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# SPECIFICATIONS & APPLICATION HANDBOOK Edition 31

**April 2013**

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Please note that the performance information included in this book is for estimation purposes only. It is based on information that Komatsu Ltd. has but actual figures will vary with the operating conditions, including material characteristics, site conditions, operator efficiency, etc. Neither Komatsu Ltd. nor its dealers will guarantee that the machines will perform as estimated.

Materials and specifications are subject to change without notice.

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# PREFACE

This handbook referes to machine specifications, productivity and owning & operation cost for construction equipment sold by Komatsu. It serves as a guide for the following cases:

* Estimation of productivity for each machine
* Estimation of owning & operating costs for each machine
* Selection of machines for purchasing construction equipment
* Selection of machines for performing construction job

The performance of a machine is determined by its production and operating costs. Important machine factors that influence production includes the horsepower, operating weight, capacity of work equipment, traveling speed and types of mechanical, hydraulic and electrical systems. They are referred to in the related section in the handbook. Some of the significant elements that comprise the operating cost factors are the consumption of fuel and lubricants, the service life of tires and undercarriage and the repair cost of components. These expenditures are discussed in the section entitled Owning & Operating Costs.

The data and tables in the handbook are based on Komatsu's bench and field tests, computer analysis and many years of experience. We continuously conduct tests to improve the reliability of the data. However, because of the complexity of factors influencing production costs and the deviations that may occur during the preparation of data, Komatsu does not guarantee that the data is exact and that the performance shown in the handbook is always obtainable with the given job conditions.

The basic performance data in the handbook are the values when machines are used at ideal efficiency. As performance varies with operator's skill, ground and weather conditions, etc., in reality, the basic data needs to be modified by using the various factors included in the handbook, resulting in different figures depending on the selection of these factors. Owning and operating cost also varies depending upon the machine usage, and the calculation result differs by what job condition and factors are applied for the calculation. Therefore, it should be understood that the calculated figures do not always completely match the actual measured data.

Nevertheless, handbook users will be able to make proper approximate calculations based on the data given in the handbook, their work experience and knowledge of local conditions.

This handbook is revised yearly. The data in the handbook is accurate at the time of printing; however, Komatsu may make changes in the specifications and materials without notice. Changes are made because of Komatsu's fundamental program of conducting continuous improvements on its products. Therefore, when you need the most updated information or specifications, obtain the latest catalogs through your distributor.

This handbook contains machine models produced in the various areas in the world. Specifications may vary depending upon production location; all models are not always available everywhere in the world.

The final objective for an owner of construction equipment is to perform the necessary construction job with the best efficiency and safety. It is desirable for an owner to understand the job efficiency factors and the machine use factors before utilizing this handbook.

They are as follows:

**1. Job efficiency factors**

1) Skill of operator

In order to obtain high productivity, the skill of the operator needs to match the performance of the machine. It is essential that the operator has the knowledge and skill to obtain high productivity from the machine.

Therefore, operators should be given education and training about machine operation, construction job operations and safety. The operator must read and understand the operator's manual. The operator must also read and understand the safety manual of the applicable manufacturers association in each area (AEM in USA, CECE in Europe, etc). The employer should assess the skill of each operator and assign the operator to an appropriate job. The operator should be given clear job instruction.


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2) Selection of type of machine and specification

The contractor should select the kind, size and specification of machine that can obtain the optimum job efficiency. The contractor can use his past results and experience to select the most appropriate machine. If the contractor is uncertain about the proper machine selection, it is recommended that the contractor consult with the Komatsu distributor or the Komatsu application engineer. They have abundant information and experience and can provide valuable assistance in machine selection.

3) Selection of construction method

To attain the job objective, the contractor must select the proper method of construction or process. The contractor can choose the optimal method of construction and the optimal process by past actual result or experience. If the contractor is uncertain about the selection, it is recommended that the contractor consult a Komatsu application engineer. Komatsu has a program called OFR (Optimum Fleet Recommendation), whitch provides suitable recommendations for optimal method of construction and process.

4) Choice and use of attachments and optional parts

Care should be taken in the selection of attachments or optional parts since they affect work efficiency and safety. Typical attachments and optional parts are shown in this handbook. Komatsu has additional attachments and optional parts. You can consult with the distributor, salesman, or Komatsu application engineer for additional details.

5) Use of special application machine

This handbook includes relatively popular special application machines (modified machine for special application), but does not include every special application machine because of the limited number of pages. Komatsu will evaluate individual special application work which is not shown in this handbook and may create a special application machine to meet job requirements. You can consult with the distributor, salesman, or application engineer of Komatsu.

## 2. Machine use factors

1) Operator's protection from hazard

The employer has a duty to secure the safety of operators. They must not start work until they understand the machines to be used, method of construction and job site, and until they check and confirm that the operator is protected from all potential hazards.

- If an additional protection device is needed on the machine for operator protection, the Komatsu distributor should be consulted.
- The owner of a machine for the purpose of raising productivity and durability may want to modify a machine. In such a case, any modifications and attachment installations that may endanger the operator must not be carried out. For example, modifications that hinder an operator's field of view, hinder operation of a machine, hinder access to a machine or worsen the function of brake, steering and ROPS, stability of a machine, etc., must not be performed.

2) Protection from breakdown or lessening of machine life

In order to lower O&O cost, it is important to lengthen the economical life of a machine while reducing machine failure. Therefore, the owner of a machine needs to address the following items:

- Understand the method of construction and the condition of job site, and choose the type, size, and specification of machine that has ample strength for the job. Komatsu machines are equipped with the adequate strength and structure for typical work. However, when the machine is used in special applications, special strengthening and/or the addition of protection structures may be needed. In such a case, it is recommended that Komatsu should be consulted through the distributor. If the owner of the machine makes modification himself without consulting Komatsu, there are risks of generating problems in the performance, durability and safety of the machine.
- To increase production or durability, the owner of a machine may want to convert a main part of the machine or attachments himself, or may want to put attachments other than a Komatsu design which is procured locally, even if it is not a special application. In such a case, it is recommended that Komatsu be consulted through the distributor. Komatsu will propose through the distributor the proper means to respond to the request of a customer. If the owner of the machine makes modification himself without consulting Komatsu, there are risks of generating problems in the performance, durability and safety of the machine.


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3) Prevention of fire

The owner and operator of a construction machine must follow the machine's maintenance guidelines and manage the job so that danger of fire will be minimized. A fire breaks out mainly by leakage of fuel, oil and grease; by electrical shorts caused from fatigue, loosening, or rubbing of electric parts and by ignition from engine high temperature parts contacting combustibles, such as plants and papers.

- The owner of a machine needs to maintain a machine by daily checks so that the causes described above do not exist.
- The operator must confirm by walk-around check before starting the machine that the above-mentioned hazards do not exist. If any problems are found, the machine must not be started until the problems are fixed.
- Equip a machine with a fire extinguisher in preparation for emergency.

4) Consideration of safety around the machine and environment.

Exercise care regarding safety, vibration, noise and flying debris (soil and stone) for the people who work around machines and for the surrounding area before putting a machine into a job site.

- Due to carelessness, the people working around the machine may suffer injury when the machine reverses, turns, and the attachment moves, etc. In order to prevent injuries, Komatsu can offer hazard alarm equipment and hazard detection equipment on its machines and the clothing of people working around the machine. The owner of the machine should evaluate whether the equipment on the machine are enough to cover the job site condition and should equip the machine and the people with additional equipment if needed.
- Komatsu sells machines that conform to the surrounding noise level regulation in the area sold. However, when it is necessary to have lower noise than a regulation level of the area, it is possible to reduce noise levels by modifying the machine. You are requested to consult Komatsu through its distributor.
- It is quite difficult to prevent the vibration of the land and flying debris by modification of the machine. Such problems should be solved by changing the work condition.

5) Compliance with regulations

Regulations pertaining to safety, noise, engine exhaust gas, etc. vary in different areas of the world. The owner of a machine has to recognize the regulations about the safety and environment legislated by each country and local government against construction machines, and has to use machines that conform to the applicable regulations. Although Komatsu supplies machines that conform to each regulation in the world, it is necessary to confirm through the Komatsu distributor if the machine conforms to all regulations in that area, before putting the machine to work.

Occasionally, a machine manufactured for another area in the world may be moved and relocated without Komatsu's knowledge. In this case, the machine may not have the specifications or structure to satisfy regulations of the area where the machine is located. In such a case, check in advance to determine if it conforms to the regulation of the area. If it does not conform, the owner must either make the necessary modifications to the machine to make it conform, or not operate the machine there.

6) Appropriate maintenance and management of a machine

The most important factor to maximize machine operation is performing maintenance and management of the machine correctly. It is essential to perform daily check & maintenance and periodic inspection & maintenance procedures shown in the operation manual of each machine.


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## ● BULLDOZERS

Horsepower 32.4 to 858 kW (43.4 to 1150 HP)



D575A-3 SD



D575A-3



D475ASD-5E0



D475A-5E0



D375A-6 D375A-5
D375A-6R D375A-5R



D275A-5
D275AX-5E0
D275A-5R



D155A-5
D155A-6
D155AX-6
D155AX-7



D85EX-15E0
D85EX-15R



D85ESS-2
D85ESS-2A



D68ESS-12



D65E-12
D65EX-16
D65EX-17
D65WX-17



D63E-12



D61EX-15E0
D61EX-23



D51EX-22



D39EX-22
D39EX-23



D37EX-22
D37EX-23



D31EX-22



D21A-8E0

## ● SWAMP BULLDOZERS

Horsepower 32.4 to 168 kW (43.4 to 225 HP)



D85PX-15E0
D85PX-15R



D65P-12
D65PX-16
D65PX-17



D61PX-15E0
D61PX-23



D51PX-22



D39PX-22
D39PX-23



D37PX-22
D37PX-23



D31PX-22



D21P-8E0

## ● PIPELAYERS

Horsepower 168 to 269 kW (225 to 360 HP)



D355C-3



D155C-1



D85C-21



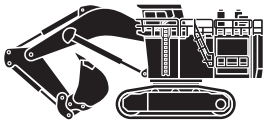
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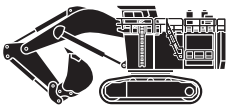


## ● HYDRAULIC EXCAVATORS (Back hoe)

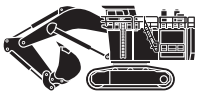
Operating weight 890 to approx. 753,500 kg (1,960to approx. 1,661,200 lb)



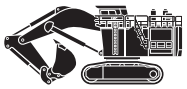
PC8000-6
PC8000E-6



PC5500-6
PC5500E-6



PC4000-6
PC4000E-6



PC3000-6
PC3000E-6



PC2000-8



PC1250-7, PC1250-8 (R)
PC1250LC-8



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PC800LC-8E0 (R1)



PC700LC-8E0 (R)



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PC650LC-8E0, PC600-8, PC600LC-8



PC550LC-8



PC450-7
PC450LC-7
PC450-8 (R)
PC450LC-8 (R)
PC490LC-10



PC400-7
PC400LC-7
PC400-8 (R)
PC400LC-8 (R)



PC360LC-10
PC360NLC-10
PC390LC-10



PC350-7
PC350LC-7
PC360-7
PC350-8
PC350LC-8



PC300-7
PC300LC-7
PC300-8
PC300LC-8



PC290LC-10
PC290NLC-10



PC270-7
PC270-8
PC270LC-8



PC240LC-8
PC240LC-10
PC240NLC-10



PC230NHD-8



PC220-7
PC220LC-7
PC220-8
PC220LC-8

PC220-8M0
PC220LC-8M0



HB205-1
HB215LC-1



PC210-8
PC210LC-8
PC210NLC-8
PC210-10
PC210LC-10



PC200-7, PC200-8
PC200LC-7, PC200LC-8
PC200-8M0, PC200LC-8M0



PC190LC-8
PC190NLC-8



PC160LC-8
PC160LC-7



PC130-7
PC130-8
PC130F-7



PC110-7



PC118MR-8



PC60-8
PC70-8
PC71-7



PC45MR-3
PC55MR-3



PC35MR-3
PC30MR-3
PC27MR-3



PC18MR-3
PC20MR-3
PC22MR-3
PC26MR-3



PC14R-3
PC16R-3



PC09-1



PC228US-8
PC228USLC-8



PC138US-8
PC138US-10
PC138USLC-10



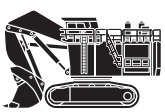
PC88MR-8
PC80MR-3



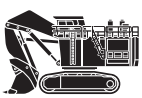
PC78US-8

## ● HYDRAULIC EXCAVATORS (Loading shovel)

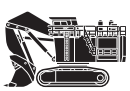
Operating weight 43,100 to approx. 743,200 kg (95,020 to approx. 1,638,500 lb)



PC8000-6
PC8000E-6



PC5500-6
PC5500E-6



PC4000-6
PC4000E-6



PC3000-6
PC3000E-6



PC2000-8



PC1250-7
PC1250-8 (R)



PC750-7
PC800-8E0 (R1)



PC600-7, PC600-8E0 (R1)
PC600LC-7, PC600LC-8E0 (R1)



PC400-7
PC400LC-7
PC400-8 (R)
PC400LC-8 (R)

## ● HYDRAULIC EXCAVATORS (Wheel type)

Operating weight 10,300 to 22,390 kg (22,710 to 49,360 lb)



PW220-7



PW200-7



PW180-7



PW160-8



PW148-8



PW118MR-8



PW98MR-8



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## WHEEL LOADERS

Bucket capacity 0.6 to 20 m³ (0.8 to 26.2 yd³)
**(C) indicates custom series.**


WA1200-6


WA900-3 (E0)


WA800-3 (E0)


WA700-3


WA600-3
WA600-6 (R)


WA500-3
WA500-6 (R)
WA500-7


WA480-6


WA470-3
WA470-5
WA470-6
WA470-7


WA430-5
WA430-6


WA380-3
WA380-5
WA380-6
WA380Z-6
WA380-7


WA320-3 (C)
WA320-5
WA320-6
WA320PZ-6


WA250-5
WA250-6
WA250PZ-6


WA200-5
WA200-6
WA200PZ-6


WA180-3


WA150-5
WA150-6
WA150PZ-6


WA120-3


WA100M-6


WA90-6


WA70-6
WA80-6


WA65-6


WA50-6

## WHEEL DOZERS

Horsepower 362 to 637 kW (485 to 853 HP)


WD900-3


WD600-3
WD600-6

## SKID STEER LOADERS

Bucket capacity 0.23 to 0.40 m³ (0.30 to 0.52 yd³)


SK820-5


SK818-5


SK815-5


SK714-5


SK510-5

## COMPACT TRACK LOADERS

Bucket capacity 0.4 m³ (0.52 yd³)


CK25-1


CK20-1

## BACKHOE LOADERS

Bucket capacity 1.03 to 1.10 m³ (1.35 to 1.43 yd³)


WB97S-5E0
WB97R-5E0


WB93R-5E0
WB93S-5E0



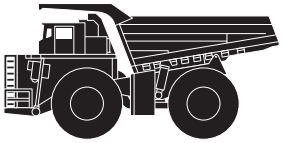
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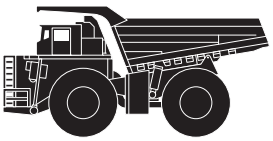


## RIGID DUMP TRUCKS

Hauling capacity 25 to 327 ton (28 to 360 US ton)



960E-2
960E-2K



930E-4
930E-4SE



860E-1K



830E-AC



730E



HD1500-7



HD785-7



HD605-7E0
HD605-7R



HD465-7 (E0)
HD465-7R



HD405-6
HD405-7
HD405-7R



HD325-6
HD325-7
HD325-7R



HD255-5

## ARTICULATED DUMP TRUCKS

Hauling capacity 27.3 to 40 ton (30.1 to 44.1 US ton)



HM400-1
HM400-2
HM400-2R
HM400-3



HM350-1
HM350-2
HM350-2R



HM300-1
HM300-2
HM300-2R
HM300-3

## MOTOR GRADERS

Horsepower 101 to 209 kW (135 to 280 HP)



GD825A-2



GD755-5R



GD705A-4



GD675-5



GD663A-2



GD655-5



GD555-3
GD555-5



GD511A-1



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- **HARVESTERS**
  Horsepower 150 to 210 kW (204 to 285 HP)


941.1


931.1


911.5


901TX.1

- **FORWARDERS**
  Max. permissible load 9 to 18 ton (9.9 to 19.8 U.S. ton)


890.3

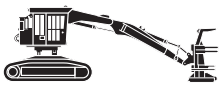

865

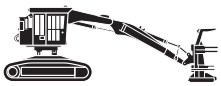

855


840TX


830.3

- **TRACKED FELLER BUNCHERS**
  Operating weight 27,290 to 31,520 kg (60,165 to 69,490 lb)


XT450L-2


XT445L-2


XT430-2
XT430L-2

- **MOBILE CRUSHER & RECYCLERS**
  Horsepower 54 to 345 HP (40.5 to 257 kW)


BR580JG-1


BR380JG-1E0


BR100JG-2


BZ210-1



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## ● DIESEL GENERATOR SETS

Rated output 41 to 1,000 kVA (33 to 800 kW)



EGS1200BS-6
EGS1200BS-6C
EGS1200BS-6CT
EGS1200-6



EGS1050BS-7
EGS1050-7



EGS1000BS-7
EGS1000-7



EGS850BS-6
EGS850BS-6C
EGS850-6



EGS760BS-6
EGS760-6



EGS630BS-6
EGS630-6



EGS500BS-6
EGS500-6



EGS380BS-6
EGS380-6



EGS360BS-6
EGS360-6



EGS300BS-6
EGS300-6



EGS240BS-6
EGS240-6



EGS160BS-7
EGS160-7



EGS120BS-6
EGS120-6



EGS65BS-6
EGS65-6



EGS45BS-6
EGS45-6

## ● ENGINES

Piston displacement 3.26 to 46.3 ltr (199 to 2825 cu in)



SA12V170E



SA12V140
SDA12V140



SA6D170E
SAA6D170E



S6D140E
SA6D140E
SAA6D140E



6D125E
S6D125E
SA6D125E
SAA6D125E



S6D114E
SA6D114E
SAA6D114E



S6D108E
SA6D108E
SAA6D108E



SAA4D107E
SAA6D107E



6D102E
S6D102E
SA6D102E
SAA6D102E



4D102E
S4D102E
SA4D102E
SAA4D102E



SAA6D95LE



4D95LE
S4D95LE
SAA4D95LE



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SECTION 1A

# CRAWLER-TYPE TRACTORS

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## ■ Ecology features

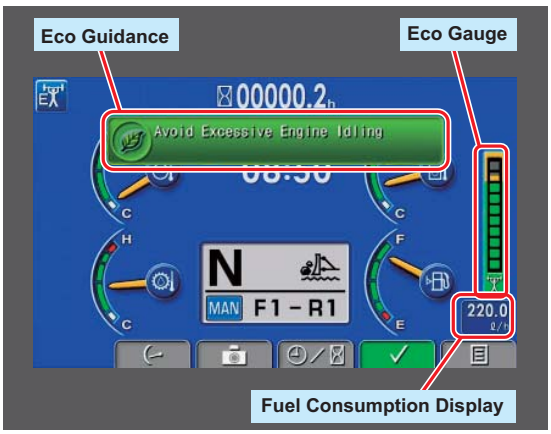
- **EPA Tier 4 Interim and EU Stage 3B emissions certified engine**
  (For details, see the page of engine features (Section 11))
- **ecot 3 (EPA Tier 3, EU Stage 3A certified engine)**
  Komatsu develops and produces all major components, such as engines, electronics and hydraulic components in house.
  With this “Komatsu Technology”, and adding customer feedback, Komatsu is achieving great advancements in technology.
  To achieve high levels of productivity and ecology, Komatsu developed the main components with an advanced control system.
  The result is a new generation of high performance and environment friendly machines.




- **Fuel efficient electronic controlled engine**
  The engine is EPA Tier 3 and EU Stage 3A emission regulation certified. The engine is turbocharged and features Common Rail Injection system (CRI) and air-to-air aftercooling to maximize power, fuel efficiency and emission compliance.
  To minimize noise and vibration, the engine is mounted to the main frame with rubber cushions.
- **Hydraulic drive radiator cooling fan**
  The engine cooling fan rotation speed is electronically controlled. The fan rotation speed depends on engine coolant and hydraulic oil temperatures, the higher the temperature the higher the fan speed. This system increases fuel efficiency, reduces the operating noise levels and requires less horsepower than belt driven fan.
  (D61-15E0, D65-16, D85-15E0, D155AX-6, D275AX-5E0, D375A-6)

## ■ ECO assistance

- **ECO guidance**
  In order to support to optimum operation, the following 5 guidance is displayed for fuel saving operation
  1) Avoid Excessive Engine Idling
  2) Use Economy Mode to Save Fuel
  3) Avoid Hydraulic Relief Pressure
  4) Avoid Over Load
  5) Use Automatic Shift Mode
- **ECO gauge**
  In order to help the operator to perform in an environmentally friendly way and minimize energy consumption, an easy-to-read “ECO gauge” is displayed on the right of the multi-monitor screen.
  - Fuel Consumption Display
    Average fuel consumption during the day is displayed and updated every 10 seconds.
    (D37-23, D39-23, D61-23, D65-17, D155AX-7)





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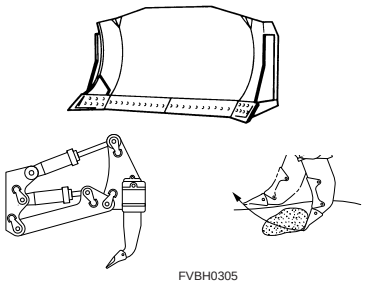


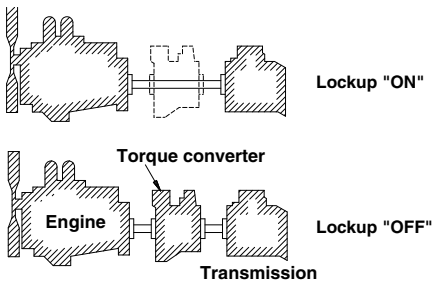
## ■ High productivity

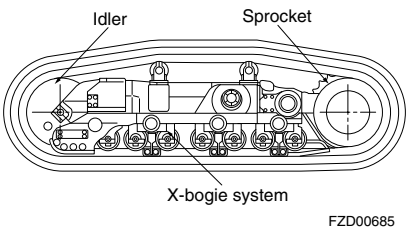
The high-power engine, highly efficient power train, large drawbar pull provided by the conventional undercarriage, and the high performance work equipment provide high productivity.

- **Large capacity blade**
  Large capacity blade, powerful digging force, large up-and-down movement of the blade, and high strength provided by high tensile steel.
- **Uniquely designed ripper**
  The unique linkage design enables the ripper point to draw an ideal locus during cylinder tilting for effective excavation of embedded rocks.
- **Automatic lock-up torque converter**
  When the lock-up clutch is engaged, the pump and the turbine are virtually connected and the internal power loss of the torque converter is minimized. (D65-17, D155AX, D275AX, D375A and D475A)
- **Resilient Equalized Undercarriage (REU)**
  This highly advanced undercarriage system utilizes an X-shape bogie structure with an independent see-saw movement for the track rollers. This allows the shoes to always follow the contour of the ground for excellent traction. The bogies contact the track frame through rubber shock absorber reduces vibration and shock. (D155A-5, D155AX-5 and D575A)
- **SIGMADOZER**
  Based on a completely new digging theory, SIGMADOZER dramatically improves dozing performance and increases productivity. A new frontal design concept adopted for digging and rolling up at the center of the blade increases soil holding capacity, simultaneously reducing sideway spillage. Reduced digging resistance produces smoother flow of earth, enabling the dozing of larger quantities of soil with less power. (D65-17, D155AX-7)
- **Automatic gearshift mode**
  The mode for general dozing. When a load is applied, the gear automatically shifts down, and when the load is off, it automatically shifts up to a set maximum gear speed. This mode economizes both fuel and production where the torque converter lockup mechanism is actuated according to load, automatically selecting the optimum gear speed.
  (D65-17, D155AX-7)
- **Power Angle Tilt (PAT) dozer with adjustable pitch**
  A power angle tilt dozer blade with adjustable blade pitch system is available. This dozer is available for the EX and PX machines.

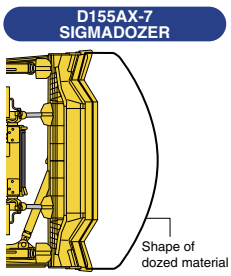
  The hydraulic blade tilt and angling function expands versatility and productivity in a variety of applications. The manually adjustable blade pitch further expands the versatility and productivity. (D21, D31, D37, D39, D51, D61)






**SIGMADOZER (D155AX-7)**





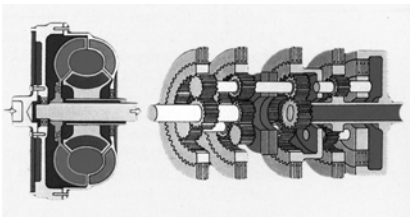
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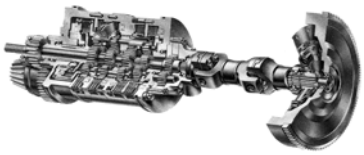
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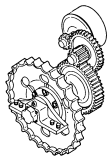


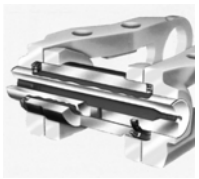
## ■ Dependable and high-performance components

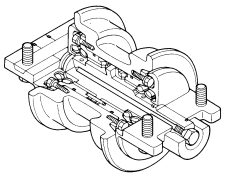
- Komatsu's diesel engine delivers a strong horsepower and has a direct-injection system for fuel savings and cleaner exhaust.
- The TORQFLOW transmission not only ensures smooth and responsive power shifting, but also makes instant speed and directional changes by a single lever.
- The HYDROSHIFT transmission ensures not only efficient power transmitting ability for reduced fuel costs, but also a single-lever speed control and F/R directional changes for easy operation. (D21)
- Wet, multiple-disc type steering clutches and brakes ensure long service life and eliminate troublesome brake-lining adjustments. (D65 over)
- Double reduction final drives feature a large reduction ratio and minimize shocks to the power train components and extend the life of components.
  [Except D21]
- Lubricated track links: Since the clearance between the link pin and bushing is lubricated, wear and pitch extensions are minimized for extended service life.
- Unique dust seals prevent dust from entering into pin-to-bushing clearance for extended service.
- Floating seals in the idlers and rollers keep dirt out and lubricant in for durable operation.
- Reduction of man-hours for turning over the bushings by employment of wedge ring. (Large Class)
- Strengthening of undercarriage by increase of press fitting width of pin. (Small-middle Class)
  The most important matters for the undercarriage of a bulldozer are holding of the oil filled in the links and easiness of turning over the bushings. KOMATSU increased the rigidity and abrasion life of the links and lowered the press fitting force of the pins to reduce scuffing when the links are disassembled. As a result, the bushings are turned over extremely easily.
  It's the link, the repair cost of the undercarriage of a bulldozer is the highest of all. You can reduce the repair cost with the turning over the bushings drastically.

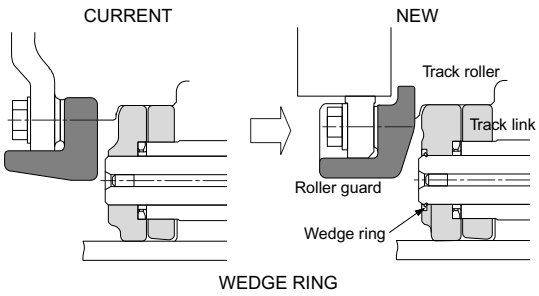


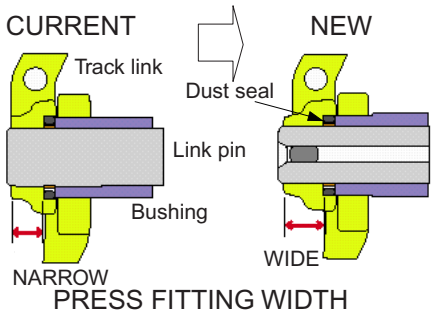


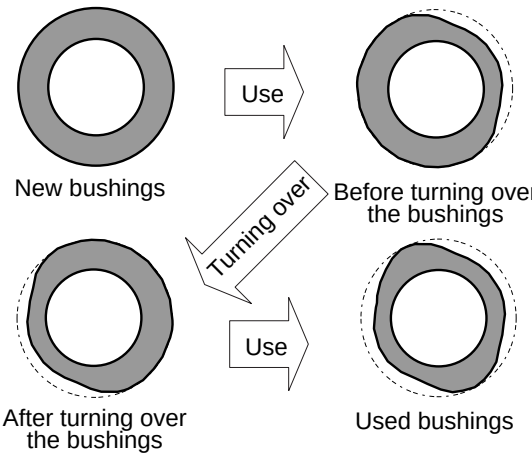








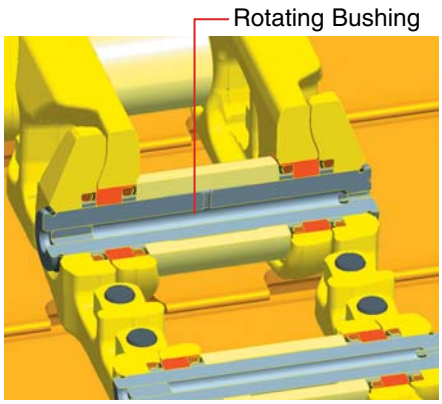



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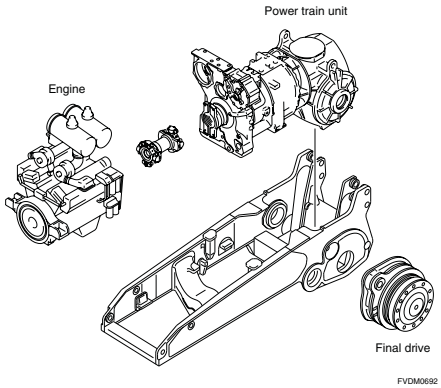
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- **Parallel Link Undercarriage System (PLUS)**
  Komatsu's new Parallel Link Undercarriage System (PLUS) provides less downtime plus longer wear with up to 40% lower undercarriege maintenance costs. Rotating bushings eliminate the cost and downtime for bushing turns, and strengthened rollers and links increase wear life up to two times. With PLUS, individual links can be replaced with common track tools.
  (D37/D39-23, D61-23, D65-17 (OPT))

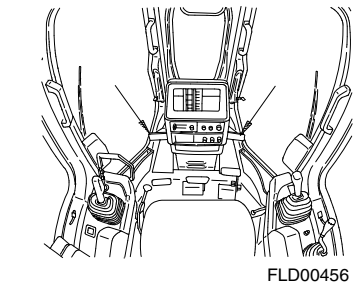


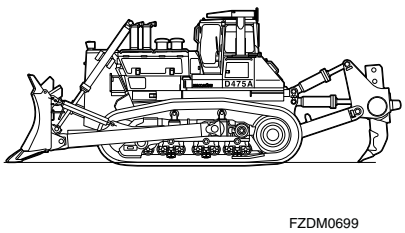

- **Modular design**
  The sealed, modular design allows the power-train components to be mounted / dismounted without any oil spillage, making servicing work clean, smooth and easy.

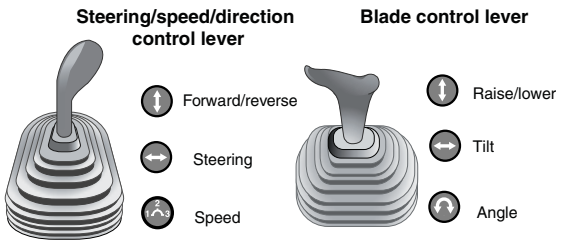



## ■ Easy operation / operator comfort

- Operator-oriented arrangement of control levers, pedals, instruments and operator seat.
- Walk-through operator compartment provides easy boarding and exiting.
- Operator seat can be adjusted to provide the most suitable operating posture.
- Steering clutches and brakes are interconnected for easy operation.
- Low profile design assures excellent machine balance and a low center of gravity, making machine dynamically stable and controllable, accounting for operator confidence and comfort.
- Oscillating type equalizer bar suspension absorbs vibrations and shocks for high mobility and comfortable ride even on rugged terrain.
  [Except D21, D31, D37 and D39]
- **Wrist-control-type single lever for steering/directional and speed change**
  All speed and directional changes, 1st to 3rd forward and reverse, and right-and left-hand steering are controlled with just a joystick single-lever on the left.
  (D21, D65 and D155A-5/D155AX)
- **Blade control joystick**
  Blade lift, angle and tilt operations are instantly accomplished with a joystick right single-lever. The introduction of this left and right "joystick" system permits simultaneous traveling and working, offering both ease and a shorter cycle time.
  (D21)



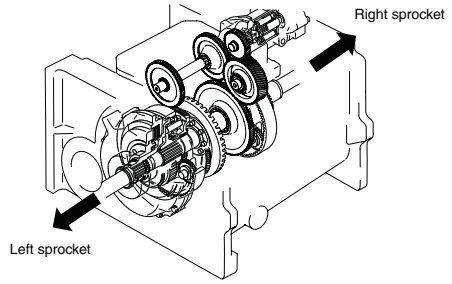



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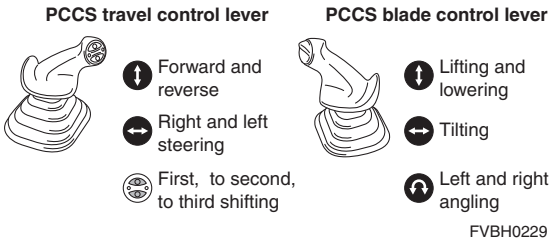
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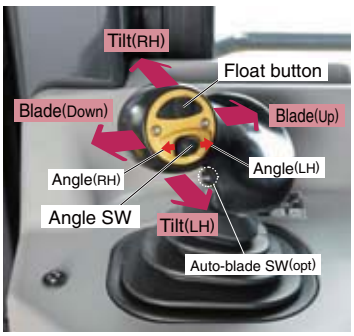
- **Hydrostatic Steering System (HSS)**
  Engine power is ideally distributed to the left and right tracks in portion to lever movement each time the machine makes a turn; the outside track moves faster and the inside slower, providing a smooth and powerful turn. (D31/D37/D39-D51, D61, D65EX/PX, D85EX/PX, D155AX and D275AX)



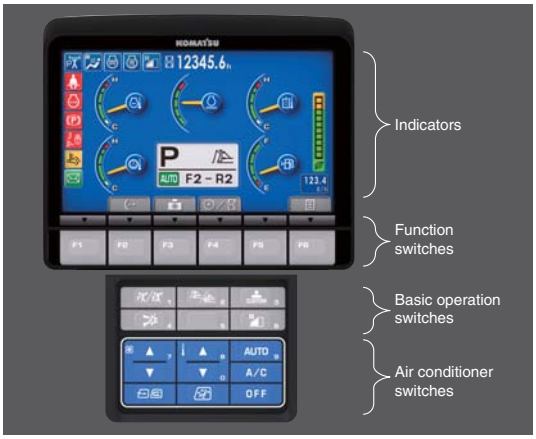

- **Palm Command Control System**
  Palm Command Control System (PCCS) joystick controls for all directional movements. Pushing the joystick forward results in forward machine travel, while pulling it rearward reverses the machine.
  Simply tilt the joystick to the left to make a left turn. Tilt it to the right for a right turn.
  The travel speed is selected by pressing the shift button on the palm lever.
  [Except D21 and D68]




- **Electronic controlled hydraulic system**
  Electronic controlled palm commanded joystick provides precise blade control, by assistance of controller.New blade angling switch operation provides easier and predictable blade control.




- **New large multi-lingual LCD color monitor**
  A large user-friendly color monitor enables safe, accurate and smooth work. Excellent screen visibility is achieved by use of TFT liquid crystal display that can easily be read at various angles and lighting conditions. Simple and easy to operate switches. Plus function keys facilitate multi-function operations.
  Displays data in 25 languages to globally support operators around the world.
  (D37, D39EX/PX-23, D61EX/PX-23, D65EX/PX/WX-17, D155AX-7)




- **Rear view monitoring system**
  On the large LCD color monitor, the operator can view, through one camera, areas directly behind the machine. This camera can be synchronized with reverse operation. This system is to be used as an auxiliary device, and areas behind you should be checked with your own eyes.
  (D37, D39EX/PX-23, D61EX/PX-23, D65EX/PX/WX-17, D155AX-7)





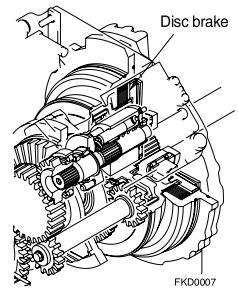
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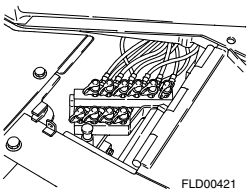
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## ■ Easy maintenance

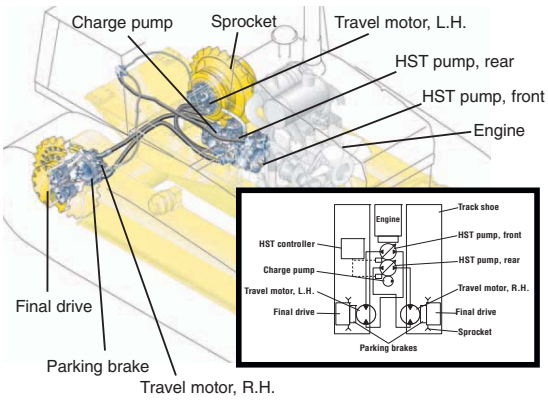
- Bolt-on type sprocket or segmented sprocket teeth for easy in- field replacement. [Except D21]
- Simple maintenance is promoted through adoption of spin-on type fuel and full-flow filters, an air cleaner with an automatic dust evacuator, and others.
- **Maintenance-free, wet, multiple-disc brakes**
  To ensure long life and dependability maintenance-free, wet, multiple-disc brakes are utilized.
  (D61 over)
- **Centralized oil pressure inspection ports**
  Oil pressure check ports are centralized on the left side of the chassis to make it easier to carry out inspection and maintenance.



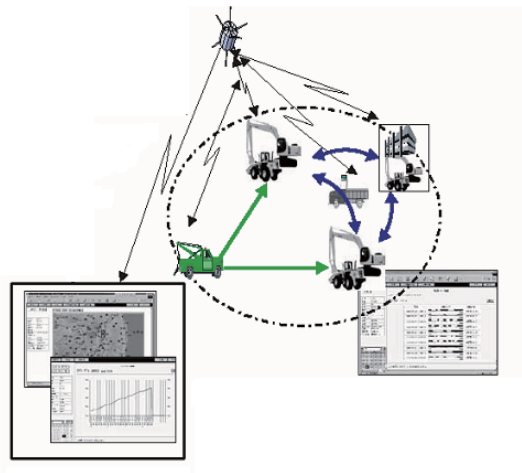

## ■ KomStat hydrostatic transmission

- **3-speed HST**
  The D31/D37/D39/D51/D61 are equipped with Komatsu's exclusive KomStat Hydrostatic Transmission (HST) consists of dual-path and closed-circuit with two variable displacement piston pumps and two 3-speed variable displacement travel motors. The 3-speed variable capacity travel motors allow the operator to select the optimum speed to match specific jobs.
- **Automatic shift between 1st and 2nd speeds**
  KomStat shifts automatically between 1st and 2nd speed depending on load or ground conditions to facilitate efficient operation.




## ■ KOMTRAX

- **Ecological operation report for assistance**
  KOMTRAX is Komatsu's remote equipment and fleet monitoring system. Wireless technology and a secure Webbased application gives you the information you need to make the best possible operation and management decisions, from location, actual hour worked, and fuel consumption to maintenance monitoring, abnormality codes, and load frequency, in simple to read and understand reports.
  - Guidance to improve fuel consumption
  - Ecological operation report.
  - Report operation hours by operation mode(E or P mode)
  - Service information for Tier 4 Interim (Regeneration, diagnostics information)

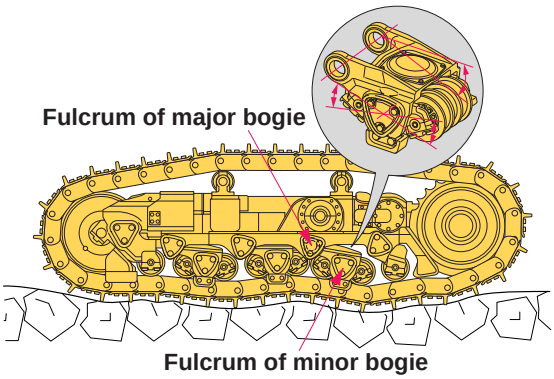




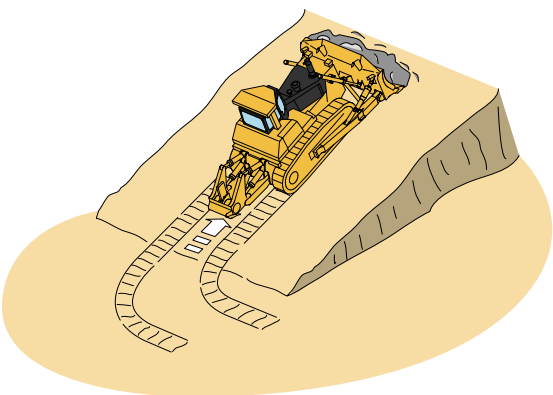
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- **HST dynamic brakes**
  KomStat uses HST dynamic brakes to ensure safe operation.
  Parking brake is wet, multiple-disc type with a unique drag-prevention control to keep hydraulic oil clean.
  (D31, D37 and D39)
- **K-Bogie undercarriage system (7-roller)**
  K-Bogie undercarriage system retains prior advantages, with new additional features.
  **Features on K-Bogie Undercarriage System:**
  - K-bogies oscillate with two fulcrums, and track roller vertical travel is greatly increased. Impact loading on all undercarriage components has been reduced and durability of components is improved since track rollers are always in contact with tack link.
  - Undercarriage life is improved due to better control of track chain alignment with track rollers.
  - Riding comfort is improved by reducing vibration and shock when traveling over rough terrain.
    (D155AX-6, D155AX-7, D275A and D275AX)




- **K-Bogie undercarriage system (8-roller, oscillating idler)**
  **Features on new K-Bogie undercarriage system:**
  - New K-Bogies with front and rear single bogies are utilized providing increased length of track on ground to improve machine stability.
  - The oscillating idler and increased sprocket lead angle improve riding comfort when traveling over rough terrain. (D375A-6, D375A-6R, D475A-5E0 and D475ASD-5E0)
- **Auto-shift down function**
  Controller monitors engine speed, travel gear and travel speed.
  When load is applied and machine travel speed is reduced, the controller automatically downshifts to optimize gear speed to provide high fuel efficiency. This function provides comfortable operation and high productivity without manual downshifting. (This function can be deactivated with cancel switch).
  (D275, D375A and D575A SD)



- **Preset travel speed selection function**
  Preset travel speed selection function is standard equipment, enabling the operator to select fore and aft travel speed among three preset patterns, F1-R2, F2-R2 and manual shift. When F1-R2 or F2-R2 preset pattern is selected, and travel control joystick moves from forward to reverse direction, the machine travels forward/reverse with F1/R2 or F2/R2 speed automatically. This function reduces gear shifting time during repeated round trip operations.
  (D275, D375A and D575A SD)


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| Item | | Model | D21A-8E0 | •D31EX-22 | •D31EX-22*** | ○D37EX-23 |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 3710 (8,180) | 7670 (16,910) | 7670 (16,910) | 8340 (18,390) |
| TRACTOR WEIGHT | | kg (lb) | 3160 (6,970) | 6520 (14,370) | 6520 (14,370) | 7300 (16,090) |
| HORSEPOWER | SAE J1995 Gross | kW (HP)/RPM | | 60 (80)/2200 | 60 (80)/2200 | 67.7 (90.7)/2200 |
| | ISO9249/SAE J1349 Net | kW (HP)/RPM | 32.4 (43.4)/2450 | 58 (78)/2200 | 58 (78)/2200 | 66.1 (88.6)/2200 |
| | Hyd. fan at max. speed Net | kW (HP)/RPM | | 53 (71)/2200 | 53 (71)/2200 | 62.3 (83.5)/2200 |
| PERFORMANCE: | | | | | | |
| Travel speed | Forward 1st | km/h (MPH) | 2.6 (1.6) | 3.4 (2.1) | 0 to | 3.4 (2.1) |
| | 2nd | | 4.4 (2.7) | 5.6 (3.5) | 8.5 (5.3) | 5.6 (3.5) |
| | 3rd L/3rd | | - | 8.5 (5.3) | - | 8.5 (5.3) |
| | Reverse 1st | | 3.3 (2.1) | 4.1 (2.5) | 0 to | 4.1 (2.5) |
| | 2nd | | 5.6 (3.5) | 6.5 (4.0) | 8.5 (5.3) | 6.5 (4.0) |
| | 3rd L/3rd | | - | 8.5 (5.3) | - | 8.5 (5.3) |
| Max. drawbar pull | | kg (lb/kN) | 4520 (9,970/44.3) | 15300 (33,730/150) | 15300 (33,730/150) | 15300 (33,730/150) |
| DIMENSIONS: | | | | | | |
| Overall length (tractor)*5 | | mm (ft.in) | 2405 (7'11") | 3220 (10'7") | 3220 (10'7") | 3270 (10'9") |
| Overall length* | | mm (ft.in) | 3250 (10'8") | 4175 (13'8") | 4175 (13'8") | 4275 (14'0") |
| Overall width (w/o trunnion) | | mm (ft.in) | 1610 (5'3") | 1910 (6'3") | 1910 (6'3") | 1970 (6'6") |
| Overall width (with blade)* | | mm (ft.in) | 2170 (7'1") | 2550 (8'4") | 2550 (8'4") | 2710 (8'11") |
| Overall height (tractor)** | | mm (ft.in) | 1785 (5'10") | 2760 (9'1")*6 | 2760 (9'1")*6 | 2775 (9'1")*6 |
| Overall height* | | mm (ft.in) | 2135 (7'7") | 2760 (9'1") | 2760 (9'1") | 2775 (9'1") |
| Track gauge | | mm (ft.in) | 1310 (4'4") | 1510 (4'11") | 1510 (4'11") | 1570 (5'2") |
| Length of track on ground | | mm (ft.in) | 1685 (5'6") | 2185 (7'2") | 2185 (7'2") | 2240 (7'4") |
| ENGINE: | | | KOMATSU | KOMATSU | KOMATSU | KOMATSU |
| Model | | | 4D94LE-2 | SAA4D95LE-5 | SAA4D95LE-5 | SAA4D95LE-6 |
| No.of cylinders- | | mm (in) | 4-94 × 110 | 4-95 × 115 | 4-95 × 115 | 4-95 x 115 |
| bore × stroke | | | (3.70 × 4.33) | (3.74 × 4.53) | (3.74 × 4.53) | (3.74 x 4.53) |
| Piston displacement | | ltr. (cu.in) | 3.053 (186) | 3.26 (199) | 3.26 (199) | 3.26 (199) |
| UNDERCARRIAGE: | | | | | | |
| No.of rollers (carrier/track) | | | 1/5 | 1/6 | 1/6 | 1/6 |
| Width of standard shoe | | mm (in) | 300 (11.8) | 400 (15.7) | 400 (15.7) | 400 (15.7) |
| FUEL TANK CAPACITY (Refilled): | | ltr. (U.S.Gal) | 60 (15.9) | 195 (51.5) | 195 (51.5) | |
| *) Spec conditions: | | | | | | |
| Bulldozer | | | PAT | PAT | PAT | PAT |
| Rear attachment | | | - | - | - | - |
| Upper attachment | | | - | ROPS canopy | ROPS canopy | ROPS cab |

| Item | | Model | ○D37EX-23*** | •D37EX-22 | •D37EX-22*** | ○D39EX-23 |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 8340 (18,390) | 7890 (17,400) | 7890 (17,400) | 9270 (20,440) |
| TRACTOR WEIGHT | | kg (lb) | 7300 (16,090) | 6710 (14,800) | 6710 (14,800) | 8160 (17,990) |
| HORSEPOWER | SAE J1995 Gross | kW (HP)/RPM | 67.7 (90.7)/2200 | 68 (91)/2200 | 68 (91)/2200 | 80 (107)/2200 |
| | ISO9249/SAE J1349 Net | kW (HP)/RPM | 66.1 (88.6)/2200 | 66 (89)/2200 | 66 (89)/2200 | 78.4 (105)/2200 |
| | Hyd. fan at max. speed Net | kW (HP)/RPM | 62.3 (83.5)/2200 | 59 (79)/2200 | 59 (79)/2200 | 72.9 (97.7)/2200 |
| PERFORMANCE: | | | | | | |
| Travel speed | Forward 1st | km/h (MPH) | 0 to | 3.4 (2.1) | 0 to | 3.4 (2.1) |
| | 2nd | | 8.5 (5.3) | 5.6 (3.5) | 8.5 (5.3) | 5.6 (3.5) |
| | 3rd L/3rd | | - | 8.5 (5.3) | - | 8.5 (5.3) |
| | Reverse 1st | | 0 to | 4.1 (2.5) | 0 to | 4.1 (2.5) |
| | 2nd | | 8.5 (5.3) | 6.5 (4.0) | 8.5 (5.3) | 6.5 (4.0) |
| | 3rd L/3rd | | - | 8.5 (5.3) | - | 8.5 (5.3) |
| Max. drawbar pull | | kg (lb/kN) | 15300 (33,730/150) | 15300 (33,730/150) | 15300 (33,730/150) | 14800 (32,630/145) |
| DIMENSIONS: | | | | | | |
| Overall length (tractor)*5 | | mm (ft.in) | 3270 (10'9") | 3185 (10'5") | 3185 (10'5") | 3345 (11'0") |
| Overall length* | | mm (ft.in) | 4275 (14'0") | 4190 (13'9") | 4190 (13'9") | 4385 (14'5") |
| Overall width (w/o trunnion) | | mm (ft.in) | 1970 (6'6") | 1910 (6'3") | 1910 (6'3") | 2080 (6'10") |
| Overall width (with blade)* | | mm (ft.in) | 2710 (8'11") | 2710 (8'11") | 2710 (8'11") | 2710 (8'11") |
| Overall height (tractor)** | | mm (ft.in) | 2775 (9'1")*6 | 2760 (9'1")*6 | 2760 (9'1")*6 | 2845 (9'4")*6 |
| Overall height* | | mm (ft.in) | 2775 (9'1") | 2760 (9'1") | 2760 (9'1") | 2845 (9'4") |
| Track gauge | | mm (ft.in) | 1570 (5'2") | 1510 (4'11") | 1510 (4'11") | 1620 (5'4") |
| Length of track on ground | | mm (ft.in) | 2240 (7'4") | 2240 (7'4") | 2240 (7'4") | 2360 (7'9") |
| ENGINE: | | | KOMATSU | KOMATSU | KOMATSU | KOMATSU |
| Model | | | SAA4D95LE-6 | SAA4D95LE-5 | SAA4D95LE-5 | SAA4D95LE-6 |
| No.of cylinders- | | mm (in) | 4-95 x 115 | 4-95 × 115 | 4-95 × 115 | 4-95 x 115 |
| bore × stroke | | | (3.74 x 4.53) | (3.74 × 4.53) | (3.74 × 4.53) | (3.74 x 4.53) |
| Piston displacement | | ltr. (cu.in) | 3.26 (199) | 3.26 (199) | 3.26 (199) | 3.26 (199) |
| UNDERCARRIAGE: | | | | | | |
| No.of rollers (carrier/track) | | | 1/6 | 1/6 | 1/6 | 1/6 |
| Width of standard shoe | | mm (in) | 400 (15.7) | 400 (15.7) | 400 (15.7) | 460 (18.1) |
| FUEL TANK CAPACITY (Refilled): | | ltr. (U.S.Gal) | 190 (50.2) | 195 (51.5) | 195 (51.5) | 190 (50.2) |
| *) Spec conditions: | | | | | | |
| Bulldozer | | | PAT | PAT | PAT | PAT |
| Rear attachment | | | - | - | - | - |
| Upper attachment | | | ROPS cab | ROPS canopy | ROPS canopy | ROPS cab |

** : Without canopy, exhaust pipe, pre-cleaner cap or other easily removed encumbrances.
*** : With variable travel speed mode
*4 : Wide track spec.
*5 : With hitch
*6 : To top of ROPS cab
*7 : Brazil source
*8 : Indonesia source
• : EPA Tier 3 and Stage 3A model
○ : EPA Tier 4 Interim and Stage 3B model



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| Item | Model | ○D39EX-23*** | ●D39EX-22 | ●D39EX-22*** | ●D51EX-22 |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | 9270 (20,440) | 9040 (19,930) | 8520 (18,780) | 12720 (28,040) |
| TRACTOR WEIGHT | kg (lb) | 8160 (17,990) | 7800 (17,200) | 6950 (15,320) | 11220 (24,740) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 80 (107)/2200 | 79.9 (107)/2200 | | 99 (133)/2200 |
| ISO9249/SAE J1349 Net | kW (HP)/RPM | 78.4 (105)/2200 | 79 (105)/2200 | 71 (95)/2200 | 97 (130)/2200 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | 72.9 (97.7)/2200 | 71 (95)/2200 | | 90 (120)/2200 |
| PERFORMANCE: | | | | | |
| Travel speed Forward 1st | km/h (MPH) | 0 to | 3.4 (2.1) | 0 to | 3.4 (2.1) |
| 2nd | | 8.5 (5.3) | 5.6 (3.5) | 8.5 (5.3) | 5.6 (3.5) |
| 3rd L/3rd | | - | 8.5 (5.3) | - | 9.0 (5.6) |
| Reverse 1st | | 0 to | 4.1 (2.5) | 0 to | 4.1 (2.5) |
| 2nd | | 8.5 (5.3) | 6.5 (4.1) | 8.5 (5.3) | 6.5 (4.0) |
| 3rd L/3rd | | - | 8.5 (5.3) | - | 9.0 (5.6) |
| Max. drawbar pull | kg (lb/kN) | 14800 (32,630/145) | 14800 (32,630/145) | 14800 (32,630/145) | - |
| DIMENSIONS: | | | | | |
| Overall length (tractor) | mm (ft.in) | 3345 (11'0") | 3295 (10'10") | 3295 (10'10") | 3665 (12'0") |
| Overall length* | mm (ft.in) | 4385 (14'5") | 4335 (14'3") | 4335 (14'3") | 4800 (15'8") |
| Overall width (w/o trunnion) | mm (ft.in) | 2080 (6'10") | 2110 (6'11") | 2110 (6'11") | 2300 (7'6") |
| Overall width (with blade)* | mm (ft.in) | 2710 (8'11") | 2710 (8'11") | 2710 (8'11") | 3045 (10'0") |
| Overall height (tractor)** | mm (ft.in) | 2845 (9'4")*6 | 2825 (9'3")*6 | 2825 (9'3")*6 | 3002 (9'10")*6 |
| Overall height* | mm (ft.in) | 2845 (9'4") | 2825 (9'3") | 2825 (9'3") | 3182 (10'5") |
| Track gauge | mm (ft.in) | 1620 (5'4") | 1650 (5'5") | 1650 (5'5") | 1790 (5'10") |
| Length of track on ground | mm (ft.in) | 2360 (7'9") | 2360 (7'9") | 2360 (7'9") | 2736 (9'0") |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA4D95LE-6 | KOMATSU SAA4D107E-1 | KOMATSU SAA4D107E-1 | KOMATSU SAA6D107E-1 |
| No.of cylinders- bore × stroke | mm (in) | 4-95 x 115 (3.74 x 4.53) | 4-107 × 124 (4.21 × 4.88) | 4-107 × 124 (4.21 × 4.88) | 6-107 × 124 (4.21 × 4.88) |
| Piston displacement | ltr. (cu.in) | 3.26 (199) | 4.46 (272) | 4.46 (272) | 6.69 (408) |
| UNDERCARRIAGE: | | | | | |
| No.of rollers (carrier/track) | | 1/6 | 1/6 | 1/6 | 2/7 |
| Width of standard shoe | mm (in) | 460 (18.1) | 460 (18.1) | 460 (18.1) | 510 (20.1) |
| FUEL TANK CAPACITY (Refilled): | ltr. (U.S.Gal) | 190 (50.2) | 195 (51.5) | 195 (51.5) | 270 (71) |
| *) Spec conditions: | | | | | |
| Bulldozer | | PAT | PAT | PAT | PAT |
| Rear attachment | | - | - | - | - |
| Upper attachment | | ROPS cab | ROPS canopy | ROPS canopy | ROPS cab |

| Item | Model | ●D51EX-22*7 | ○D61EX-23 | ○D61EX-23*** | ●D61EX-15E0*7 |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | 14000 (30,860) | 17700 (39,020) | 17700 (39,020) | 16710 (36,840) |
| TRACTOR WEIGHT | kg (lb) | 12400 (27,340) | 15530 (34,240) | 15530 (34,240) | 13920 (30,690) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 99 (133)/2200 | 127 (170)/2200 | 127 (170)/2200 | 127 (170)/1850 |
| ISO9249/SAE J1349 Net | kW (HP)/RPM | 97 (130)/2200 | 125 (168)/2200 | 125 (168)/2200 | 125 (168)/1850 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | 90 (120)/2200 | 113 (152)/2200 | 113 (152)/2200 | 116 (155)/1850 |
| PERFORMANCE: | | | | | |
| Travel speed Forward 1st | km/h (MPH) | 3.4 (2.1) | 3.4 (2.1) | 0 to | 3.2 (2.0) |
| 2nd | | 5.6 (3.5) | 5.6 (3.5) | 9.0 (5.6) | 5.6 (3.5) |
| 3rd L/3rd | | 9.0 (5.6) | 8.5 (5.3) | - | 8.7 (5.4) |
| Reverse 1st | | 4.1 (2.5) | 4.1 (2.5) | 0 to | 4.3 (2.7) |
| 2nd | | 6.5 (4.0) | 6.5 (4.0) | 9.0 (5.6) | 7.2 (4.5) |
| 3rd L/3rd | | 9.0 (5.6) | 9.0 (5.6) | | 11.0 (6.8) |
| Max. drawbar pull | kg (lb/kN) | - | 28100 (61,950/275.6) | 28100 (61,950/275.6) | - |
| DIMENSIONS: | | | | | |
| Overall length (tractor) | mm (ft.in) | 3665 (12'0") | 4165 (13'8") | 4165 (13'8") | 3920 (12'10") |
| Overall length* | mm (ft.in) | 4795 (15'9") | 5480 (18'0") | 5480 (18'0") | 5030 (16'6") |
| Overall width (w/o trunnion) | mm (ft.in) | 2300 (7'6") | 2500 (8'2") | 2500 (8'2") | 2500 (8'2") |
| Overall width (with blade)* | mm (ft.in) | 3350 (11'0") | 3250 (10'8") | 3250 (10'8") | 3275 (10'9") |
| Overall height (tractor)** | mm (ft.in) | 3015 (9'11")*6 | 3180 (10'5")*6 | 3180 (10'5")*6 | 2270 (7'5") |
| Overall height* | mm (ft.in) | 3000 (9'10") | 3180 (10'5") | 3180 (10'5") | 3150 (10'4") |
| Track gauge | mm (ft.in) | 1795 (5'11") | 1900 (6'3") | 1900 (6'3") | 1900 (6'3") |
| Length of track on ground | mm (ft.in) | 2751 (9'0") | 3165 (10'5") | 3165 (10'5") | 2600 (8'6") |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D107E-1 | KOMATSU SAA6D107E-2 | KOMATSU SAA6D107E-2 | KOMATSU SAA6D107E-1 |
| No.of cylinders- bore × stroke | mm (in) | 6-107 x 124 (4.21 x 4.88) | 6-107 x 124 (4.21 x 4.88) | 6-107 x 124 (4.21 x 4.88) | 6-107 × 124 (4.21 × 4.88) |
| Piston displacement | ltr. (cu.in) | 6.69 (408) | 6.69 (408) | 6.69 (408) | 6.69 (408) |
| UNDERCARRIAGE: | | | | | |
| No.of rollers (carrier/track) | | 2/7 | 2/8 | 2/8 | 2/7 |
| Width of standard shoe | mm (in) | 510 (20) | 600 (23.6) | 600 (23.6) | 600 (23.6) |
| FUEL TANK CAPACITY (Refilled): | ltr. (U.S.Gal) | 270 (71) | 372 (81.8) | 372 (81.8) | 390 (103) |
| *) Spec conditions: | | | | | |
| Bulldozer | | PAT | PAT | PAT | PAT |
| Rear attachment | | - | - | - | - |
| Upper attachment | | ROPS cab | ROPS cab | ROPS cab | ROPS canopy |

** : Without canopy, exhaust pipe, pre-cleaner cap or other easily removed encumbrances.
*** : With variable travel speed mode
*4 : Wide track spec.
*5 : With hitch
*6 : To top of ROPS cab
*7 : Brazil source
*8 : Indonesia source
● : EPA Tier 3 and Stage 3A model
○ : EPA Tier 4 Interim and Stage 3B model



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| Item | Model | ●D61EX-15E0*7 | D63E-12*9 | D65E-12 | ●D65EX-16 |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | 19000 (41,890) | 18500 (40,790) | 19125 (42,160) | 19510 (43,010) |
| TRACTOR WEIGHT | kg (lb) | 13920 (30,690) | 14645 (32,290) | 15620 (34,440) | 17120 (37,740) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 127 (170)/2200 | 127 (170)/1800 | | 155 (207)/1950 |
| ISO9249/SAE J1349 Net | kW (HP)/RPM | 125 (168)/2200 | 116 (155)/1800 | | 153 (205)/1950 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | 113 (152)/2200 | | 135 (180)/1950 | 139 (186)/1950 |
| PERFORMANCE: | | | | | |
| Travel speed Forward 1st | km/h (MPH) | 3.2 (2.0) | 3.4 (2.1) | 3.9 (2.4) | 3.6 (2.2) |
| 2nd | | 5.6 (3.5) | 5.8 (3.6) | 6.8 (4.2) | 5.5 (3.4) |
| 3rd L/3rd | | 8.7 (5.4) | 9.0 (5.6) | 10.6 (6.6) | 7.2 (4.5)/11.2 (7.0) |
| Reverse 1st | | 4.3 (2.7) | 4.4 (2.7) | 5.0 (3.1) | 4.4 (2.7) |
| 2nd | | 7.2 (4.5) | 7.5 (4.7) | 8.6 (5.3) | 6.6 (4.1) |
| 3rd L/3rd | | 11.0 (6.8) | 11.0 (6.8) | 13.4 (8.3) | 8.6 (5.3)/13.4 (8.3) |
| Max. drawbar pull | kg (lb/kN) | - | - | - | - |
| DIMENSIONS: | | | | | |
| Overall length (tractor) | mm (ft.in) | 3920 (12'10") | 3815 (12'6") | 4365 (14'4") | 4335 (14'3") |
| Overall length* | mm (ft.in) | 5030 (16'6") | 6510 (21'4") | 5440 (17'10") | 5490 (18'0") |
| Overall width (w/o trunnion) | mm (ft.in) | 2500 (8'2") | 2485 (8'2") | 2390 (7'10") | 2390 (7'10") |
| Overall width (with blade)* | mm (ft.in) | 3860 (12'8") | 3200 (10'6") | 3460 (11'4") | 3410 (11'2") |
| Overall height (tractor)** | mm (ft.in) | 2270 (7'5") | 2260 (7'5") | 2330 (7'8") | 3155 (10'4")*5 |
| Overall height* | mm (ft.in) | 3150 (10'4") | 3140 (10'4") | 3165 (10'5") | 3155 (10'4") |
| Track gauge | mm (ft.in) | 1900 (6'3") | 1925 (6'4") | 1880 (6'2") | 1880 (6'2") |
| Length of track on ground | mm (ft.in) | 2600 (8'6") | 2725 (8'11") | 2675 (8'9") | 2980 (9'9") |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D107E-1 | KOMATSU SA6D114E-2 | KOMATSU 6D125E-2 | KOMATSU SAA6D114E-3 |
| No.of cylinders- | mm (in) | 6-107 x 124 | 6-114 x 135 | 6 -125 × 150 | 6 - 114 × 135 |
| bore × stroke | | (4.21 x 4.88) | (4.49 x 5.31) | (4.92 × 5.91) | (4.49 × 5.31) |
| Piston displacement | ltr. (cu.in) | 6.69 (408) | 8.27 (505) | 11.04 (674) | 8.27 (505) |
| UNDERCARRIAGE: | | | | | |
| No.of rollers (carrier/track) | | 2/7 | 2/6 | 2/7 | 2/7 |
| Width of standard shoe | mm (in) | 600 (23.6) | 560 (22.0) | 510 (20.1) | 510 (20.0) |
| FUEL TANK CAPACITY (Refilled): | ltr. (U.S.Gal) | 390 (103) | 315 (83.3) | 406 (107) | 415 (109.6) |
| *) Spec conditions: | | | | | |
| Bulldozer | | PAT | Semi-U tilt | Semi-U tilt | SIGMADOZER |
| Rear attachment | | - | Single shank ripper | - | - |
| Upper attachment | | ROPS cab | Steel cab, ROPS | ROPS canopy | ROPS cab |

| Item | Model | ●D65EX-16 | ○D65EX-17 | ○D65EX-17 | ○D65WX-17 |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | 19360 (42,680) | 19680 (43,390) | 21160 (46,650) | 20530 (45,260) |
| TRACTOR WEIGHT | kg (lb) | 17120 (37,740) | 17290 (38,120) | 18200 (40,120) | 18030 (39,750) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 155 (207)/1950 | 155 (207)/1950 | 155 (207)/1950 | 155 (207)/1950 |
| ISO9249/SAE J1349 Net | kW (HP)/RPM | 153 (205)/1950 | 153 (205)/1950 | 153 (205)/1950 | 153 (205)/1950 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | 139 (186)/1950 | 139 (186)/1950 | 139 (186)/1950 | 139 (186)/1950 |
| PERFORMANCE: | | | | | |
| Travel speed Forward 1st | km/h (MPH) | 3.6 (2.2) | 3.6 (2.2) | 3.6 (2.2) | 3.6 (2.2) |
| 2nd | | 5.5 (3.5) | 5.6 (3.5) | 5.6 (3.5) | 5.6 (3.5) |
| 3rd L/3rd | | 7.2(4.5)/11.2 (7.0) | 7.3(4.5)/11.3 (7.0) | 7.3(4.5)/11.3 (7.0) | 7.3(4.5)/11.3 (7.0) |
| Reverse 1st | | 4.4 (2.7) | 4.5 (2.8) | 4.5 (2.8) | 4.5 (2.8) |
| 2nd | | 6.6 (4.1) | 6.7 (4.2) | 6.7 (4.2) | 6.7 (4.2) |
| 3rd L/3rd | | 8.6(5.3)/13.4 (8.3) | 8.7(5.4)/13.6 (8.5) | 8.7(5.4)/13.6 (8.5) | 8.7(5.4)/13.6 (8.5) |
| Max. drawbar pull | kg (lb/kN) | - | - | - | - |
| DIMENSIONS: | | | | | |
| Overall length (tractor) | mm (ft.in) | 4335 (14'3") | 4335 (14'3") | 4335 (14'3") | 4335 (14'3") |
| Overall length* | mm (ft.in) | 5310 (11'5") | 5490 (18'0") | 5790 (19'0") | 5500 (18'1") |
| Overall width (w/o trunnion) | mm (ft.in) | 2390 (7'10") | 2390 (7'10") | 2610 (8'7") | 2810 (9'3") |
| Overall width (with blade)* | mm (ft.in) | 3460 (11'4") | 3410 (11'2") | 3870 (12'8") | 3580 (11'9") |
| Overall height (tractor)** | mm (ft.in) | 3155 (10'4")*6 | 3155 (10'4")*6 | 3155 (10'4")*6 | 3155 (10'4")*6 |
| Overall height* | mm (ft.in) | 3155 (10'4") | 3155 (10'4") | 3155 (10'4") | 3155 (10'4") |
| Track gauge | mm (ft.in) | 1880 (6'2") | 1880 (6'2") | 2050 (6'9") | 2050 (6'9") |
| Length of track on ground | mm (ft.in) | 2980 (9'9") | 2980 (9'9") | 2980 (9'9") | 2980 (9'9") |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D114E-5 | KOMATSU SAA6D114E-5 | KOMATSU SAA6D114E-5 | KOMATSU SAA6D114E-5 |
| No.of cylinders- | mm (in) | 6-114 x 144.5 | 6-114 x 144.5 | 6-114 x 144.5 | 6-114 x 144.5 |
| bore × stroke | | (4.49 x 5.69) | (4.49 x 5.69) | (4.49 x 5.69) | (4.49 x 5.69) |
| Piston displacement | ltr. (cu.in) | 8.85 (540) | 8.85 (540) | 8.85 (540) | 8.85 (540) |
| UNDERCARRIAGE: | | | | | |
| No.of rollers (carrier/track) | | 2/7 | 2/7 | 2/7 | 2/7 |
| Width of standard shoe | mm (in) | 510 (20) | 510 (20) | 510 (20) | 510 (20) |
| FUEL TANK CAPACITY (Refilled): | ltr. (U.S.Gal) | 415 (109.6) | 415 (109.6) | 415 (109.6) | 415 (109.6) |
| *) Spec conditions: | | | | | |
| Bulldozer | | Semi-U tilt | SIGMADOZER | PAT | SIGMADOZER |
| Rear attachment | | - | - | - | - |
| Upper attachment | | ROPS cab | ROPS cab | ROPS cab | ROPS cab |

** : Without canopy, exhaust pipe, pre-cleaner cap or other easily removed encumbrances.
*** : With variable travel speed mode
*4 : Wide track spec.
*5 : With hitch
*6 : To top of ROPS cab
*7 : Brazil source
*8 : Indonesia source
*9 : for Russia

● : EPA Tier 3 and Stage 3A model
○ : EPA Tier 4 Interim and Stage 3B model



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| Item | Model | ○D65WX-17 | D68ESS-12*[8] | D85ESS-2*[8] | D85ESS-2A |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | 22060 (48,630) | 18800 (41,500) | 21490 (47,380) | 20670 (45,580) |
| TRACTOR WEIGHT | kg (lb) | 19070 (42,040) | 14280 (31,490) | 15740 (34,700) | 15420 (34,000) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 155 (207)/1950 | | | |
| ISO9249/SAE J1349 Net | kW (HP)/RPM | 153 (205)/1950 | 116 (155)/1850 | 161 (215)/1950 | 149 (200)/1950 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | 139 (186)/1950 | | | |
| PERFORMANCE: | | | | | |
| Travel speed Forward 1st | km/h (MPH) | 3.6 (2.2) | 3.4 (2.1) | 3.9 (2.4) | 3.9 (2.4) |
| 2nd | | 5.6 (3.5) | 5.8 (3.6) | 6.8 (4.2) | 6.8 (4.2) |
| 3rd L/3rd | | 7.3(4.5)/11.3 (7.0) | 9.0 (6.0) | 10.6 (6.6) | 10.6 (6.6) |
| Reverse 1st | | 4.5 (2.8) | 4.4 (2.7) | 5.0 (3.1) | 5.0 (3.1) |
| 2nd | | 6.7 (4.2) | 7.6 (4.7) | 8.6 (5.3) | 8.6 (5.3) |
| 3rd L/3rd | | 8.7(5.4)/13.6 (8.5) | 11.3 (7.0) | 13.4 (8.3) | 13.4 (8.3) |
| Max. drawbar pull | kg (lb/kN) | - | - | - | - |
| DIMENSIONS: | | | | | |
| Overall length (tractor) | mm (ft.in) | 4335 (14'3") | 4100 (13'5") | 4135 (13'7") | 4150 (13'7") |
| Overall length* | mm (ft.in) | 5790 (19'0") | 6120 (20'1") | 5930 (19'5") | 7150 (23'6") |
| Overall width (w/o trunnion) | mm (ft.in) | 2990 (9'10") | 2535 (8'4") | 2660 (8'9") | 2560 (8'5") |
| Overall width (with blade)* | mm (ft.in) | 4010 (13'2") | 3275 (10'9") | 4370 (14'4") | 4370 (14'4") |
| Overall height (tractor)** | mm (ft.in) | 3155 (10'4")*[6] | 2305 (7'7") | 2375 (7'10") | 2375 (7'10") |
| Overall height* | mm (ft.in) | 3155 (10'4") | 3135 (10'3") | 2560 (8'5") | 3160 (10'4") |
| Track gauge | mm (ft.in) | 2230 (7'4") | 1925 (6'4") | 2050 (6'9") | 2050 (6'9") |
| Length of track on ground | mm (ft.in) | 2980 (9'9") | 2930 (9'7") | 2980 (9'9") | 2980 (9'9") |
| ENGINE: | | KOMATSU | KOMATSU | KOMATSU | KOMATSU |
| Model | | SAA6D114E-5 | S6D114E | S6D125-2 | S6D125E-2 |
| No.of cylinders- | mm (in) | 6-114 x 144.5 | 4-114 × 135 | 6-125 × 150 | 6-125 × 150 |
| bore × stroke | | (4.49 x 5.69) | (4.49 × 5.31) | (4.92 × 5.91) | (4.92 × 5.91) |
| Piston displacement | ltr. (cu.in) | 8.85 (540) | 8.27 (505) | 11.04 (674) | 11.04 (674) |
| UNDERCARRIAGE: | | | | | |
| No.of rollers (carrier/track) | | 2/7 | 2/6 | 2/8 | 2/8 |
| Width of standard shoe | mm (in) | 510 (20) | 610 (24) | 610 (24.0) | 510 (20.1) |
| FUEL TANK CAPACITY (Refilled): | ltr. (U.S.Gal) | 415 (109.6) | 315 (93.3) | 407 (107.5) | 406 (107) |
| *) Spec conditions: | | | | | |
| Bulldozer | | PAT | PAT | Angledozer | Angledozer |
| Rear attachment | | - | Winch | Winch | Multi-shank ripper |
| Upper attachment | | ROPS cab | Sweep canopy | Sweep canopy | Canopy |

| Item | Model | •D85EX-15E0 | D85EX-15R | D155A-5 | D155A-6 |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | 28100 (61,950) | 28000 (61,730) | 38700 (85,320) | 41700 (91,930) |
| TRACTOR WEIGHT | kg (lb) | 21220 (46,780) | 21120 (46,560) | 27900 (61,510) | 32300 (71,200) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 199 (266)/1900 | 199 (266)/1900 | | 268 (360)/1900 |
| ISO9249/SAE J1349 Net | kW (HP)/RPM | 197 (264)/1900 | 197 (264)/1900 | | 264 (354)/1900 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | 179 (240)/1900 | 179 (240)/1900 | 225 (302)/1900 | 239 (320)/1900 |
| PERFORMANCE: | | | | | |
| Travel speed Forward 1st | km/h (MPH) | 3.3 (2.1) | 3.3 (2.1) | 3.7 (2.3) | 3.9 (2.4) |
| 2nd | | 6.1 (3.8) | 6.1 (3.8) | 6.7 (4.2) | 5.7 (3.5) |
| 3rd L/3rd | | 10.1 (6.3) | 10.1 (6.3) | 11.0 (6.8) | 11.4 (7.1) |
| Reverse 1st | | | 4.4 (2.7) | 5.0 (3.1) | 4.7 (2.9) |
| 2nd | | | 8.0 (5.0) | 8.2 (5.1) | 6.8 (4.2) |
| 3rd L/3rd | | 13.0 (8.1) | 13.0 (8.1) | 13.9 (8.6) | 13.7 (8.5) |
| Max. drawbar pull | kg (lb/kN) | - | - | - | - |
| DIMENSIONS: | | | | | |
| Overall length (tractor) | mm (ft.in) | 5035 (16'6") | 5035 (16'6") | 4975 (16'4") | 5030 (16'6") |
| Overall length* | mm (ft.in) | 7255 (23'10") | 7255 (23'10") | 8155 (26'9") | 8680 (28'6") |
| Overall width (w/o trunnion) | mm (ft.in) | 2560 (8'5") | 2560 (8'5") | 2695 (8'10") | 2765 (9'1") |
| Overall width (with blade)* | mm (ft.in) | 3635 (11'11") | 3635 (11'11") | 3955 (13'0") | 4130 (13'7") |
| Overall height (tractor)** | mm (ft.in) | 3163 (10'5")*[4] | 3163 (10'5")*[4] | 2590 (8'6") | 3395 (11'2") |
| Overall height* | mm (ft.in) | 3330 (10'11") | 3324 (10'11") | 3500 (11'6") | 3510 (11'6") |
| Track gauge | mm (ft.in) | 2000 (6'7") | 2000 (6'7") | 2100 (6'11") | 2140 (7'0") |
| Length of track on ground | mm (ft.in) | 3050 (10') | 3050 (10') | 3210 (10'6") | 3150 (10'4") |
| ENGINE: | | KOMATSU | KOMATSU | KOMATSU | KOMATSU |
| Model | | SAA6D125E-5 | SAA6D125E-5 | SA6D140E-2 | SAA6D140E-5 |
| No.of cylinders- | mm (in) | 6-125 × 150 | 6-125 × 150 | 6-140 × 165 | 6-140 × 165 |
| bore × stroke | | (4.92 × 5.91) | (4.92 × 5.91) | (5.51 × 6.50) | (5.51 × 6.50) |
| Piston displacement | ltr. (cu.in) | 11.04 (674) | 11.04 (674) | 15.24 (930) | 15.24 (930) |
| UNDERCARRIAGE: | | | | | |
| No.of rollers (carrier/track) | | 2/7 | 2/7 | 2/6 | 2/7 |
| Width of standard shoe | mm (in) | 560 (22) | 560 (22) | 560 (22.0) | 560 (22) |
| FUEL TANK CAPACITY (Refilled): | ltr. (U.S.Gal) | 490 (129) | 490 (129) | 500 (132) | 625 (165) |
| *) Spec conditions: | | | | | |
| Bulldozer | | Semi-U tilt | Semi-U tilt | Semi-U tilt | Semi-U tilt |
| Rear attachment | | Multi-shank ripper | Multi-shank ripper | Multi-shank ripper | Giant ripper |
| Upper attachment | | Steel cab, ROPS | Steel cab, ROPS | Steel cab, ROPS | Steel cab, ROPS |

** : Without canopy, exhaust pipe, pre-cleaner cap or other easily removed encumbrances.
*** : With variable travel speed mode
*4 : Wide track spec.
*5 : With hitch
*6 : To top of ROPS cab
*7 : Brazil source
*8 : Indonesia source
• : EPA Tier 3 and Stage 3A model
○ : EPA Tier 4 Interim and Stage 3B model



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| Item | Model | ○D155AX-7 | ●D155AX-6 | D275A-5 | D275A-5R |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | 39500 (87,080) | 39500 (87,100) | 49850 (109,900) | 50850 (112,100) |
| TRACTOR WEIGHT | kg (lb) | 31700 (69,890) | 31000 (68,350) | 37680 (83,070) | 37680 (83,070) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 268 (360)/1900 | 268 (360)/1900 | | 337 (452)/2000 |
| ISO9249/SAE J1349 Net | kW (HP)/RPM | 264 (354)/1900 | 264 (354)/1900 | | 335 (449)/2000 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | 239 (320)/1950 | 239 (320)/1900 | 306 (410)/2000 | 306 (410)/2000 |
| PERFORMANCE: | | | | | |
| Travel speed Forward 1st | km/h (MPH) | 3.5 (2.2) | 3.8 (2.4) | 3.8 (2.4) | 3.6 (2.2) |
| 2nd | | 5.6 (3.5) | 5.6 (3.5) | 6.7 (4.2) | 6.7 (4.2) |
| 3rd L/3rd | | 7.5(4.7)/11.3 (7.2) | 11.6 (7.2) | 11.2 (7.0) | 11.2 (7.0) |
| Reverse 1st | | 4.3 (2.7) | | 4.9 (3.0) | 4.7 (2.9) |
| 2nd | | 6.8 (4.2) | | 8.7 (5.4) | 8.7 (5.4) |
| 3rd L/3rd | | 9.2(5.7)/14.0 (8.7) | 14.0 (8.7) | 14.9 (9.3) | 14.9 (9.3) |
| Max. drawbar pull | kg (lb/kN) | - | - | - | - |
| DIMENSIONS: | | | | | |
| Overall length (tractor) | mm (ft.in) | 4975 (16'4") | 4875 (16'0") | 5255 (17'3") | 5255 (17'3") |
| Overall length* | mm (ft.in) | 8325 (27'4") | 8225 (27') | 9290 (30'6") | 9290 (30'6") |
| Overall width (w/o trunnion) | mm (ft.in) | 2700 (8'10") | 2765 (9'1") | 2925 (9'7") | 2925 (9'7") |
| Overall width (with blade)* | mm (ft.in) | 4060 (13'4") | 4060 (13'4") | 4300 (14'1") | 4300 (14'1") |
| Overall height (tractor)** | mm (ft.in) | 3390 (11'1")*6 | 2680 (8'10") | 3160 (10'4") | 3090 (10'2") |
| Overall height* | mm (ft.in) | 3390 (11'1") | 3395 (11'2") | 3985 (13'1") | 4015 (13'2") |
| Track gauge | mm (ft.in) | 2140 (7'0") | 2140 (7') | 2260 (7'5") | 2260 (7'5") |
| Length of track on ground | mm (ft.in) | 2700 (8'10") | 3275 (10'9") | 3480 (11'5") | 3480 (11'5") |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D140E-6 | KOMATSU SAA6D140E-5 | KOMATSU SDA6D140E-3 | KOMATSU SAA6D140E-5 |
| No.of cylinders- | mm (in) | 6-140 x 165 | 6-140 × 165 | 6-140 × 165 | 6-140 × 165 |
| bore × stroke | | (5.51 x 6.50) | (5.51 × 6.50) | (5.51 × 6.50) | (5.51 × 6.50) |
| Piston displacement | ltr. (cu.in) | 15.24 (930) | 15.24 (930) | 15.24 (930) | 15.24 (930) |
| UNDERCARRIAGE: | | | | | |
| No.of rollers (carrier/track) | | 2/7 | 2/7 | 2/7 | 2/7 |
| Width of standard shoe | mm (in) | 560 (22) | 560 (22) | 610 (24.0) | 610 (24.0) |
| FUEL TANK CAPACITY (Refilled): | ltr. (U.S.Gal) | 625 (165) | 625 (165) | 840 (222) | 840 (222) |
| *) Spec conditions: | | Strengthened | Strengthened | | |
| Bulldozer | | SIGMADOZER | SIGMADOZER | Semi-U tilt | Semi-U tilt |
| Rear attachment | | Giant ripper | Giant ripper | Giant ripper | Giant ripper |
| Upper attachment | | ROPS cab | ROPS cab | Steel cab, ROPS | Steel cab, ROPS |

| Item | Model | ●D275AX-5E0 | D375A-6 | D375A-6R | D375A-5 |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | 49850 (109,900) | 71640 (157,940) | 70235 (154,840) | 66990 (147,690) |
| TRACTOR WEIGHT | kg (lb) | 37680 (83,070) | 53200 (117,290) | 51800 (114,200) | 49800 (109,790) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 337 (452)/2000 | 474 (636)/1800 | 474 (636)/1800 | |
| ISO9249/SAE J1349 Net | kW (HP)/RPM | 335 (449)/2000 | 455 (610)/1800 | 455 (610)/1800 | |
| Hyd. fan at max. speed Net | kW (HP)/RPM | 306 (410)/2000 | 433 (580)/1800 | 433 (580)/1800 | 391 (525)/1800 |
| PERFORMANCE: | | | | | |
| Travel speed Forward 1st | km/h (MPH) | 3.6 (2.2) | 3.5 (2.2) | 3.5 (2.2) | 3.8 (2.4) |
| 2nd | | 6.7 (4.2) | 6.8 (4.2) | 6.8 (4.2) | 6.8 (4.2) |
| 3rd L/3rd | | 11.2 (7.0) | 11.8 (7.3) | 11.8 (7.3) | 11.8 (7.3) |
| Reverse 1st | | 4.7 (2.9) | 4.6 (2.9) | 4.6 (2.9) | 5.1 (3.2) |
| 2nd | | 8.7 (5.4) | 8.9 (5.5) | 8.9 (5.5) | 9.2 (5.7) |
| 3rd L/3rd | | 14.9 (9.3) | 15.8 (9.8) | 15.8 (9.8) | 15.8 (9.8) |
| Max. drawbar pull | kg (lb/kN) | - | - | - | - |
| DIMENSIONS: | | | | | |
| Overall length (tractor) | mm (ft.in) | 5255 (17'3") | 5905 (19'4") | 5905 (19'4") | 5770 (18'11") |
| Overall length* | mm (ft.in) | 9260 (30'5") | 10485 (34'5") | 10515 (34'6") | 10330 (33'11") |
| Overall width (w/o trunnion) | mm (ft.in) | 2925 (9'7") | 3240 (10'8") | 3240 (10'8") | 3220 (10'7") |
| Overall width (with blade)* | mm (ft.in) | 4300 (14'1") | 4695 (15'5") | 4695 (15'5") | 4695 (15'5") |
| Overall height (tractor)** | mm (ft.in) | 3090 (10'2") | 3365 (11'0") | 3315 (10'11") | 3280 (10'9") |
| Overall height* | mm (ft.in) | 4010 (13'2") | 4285 (14'1") | 4235 (13'11") | 4230 (13'11") |
| Track gauge | mm (ft.in) | 2260 (7'5") | 2500 (8'2") | 2500 (8'2") | 2500 (8'2") |
| Length of track on ground | mm (ft.in) | 3480 (11'5") | 3980 (13'1") | 3840 (12'7") | 3840 (12'7") |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D140E-5 | KOMATSU SAA6D170E-5 | KOMATSU SAA6D170E-5 | KOMATSU SA6D170E-3 |
| No.of cylinders- | mm (in) | 6-140 × 165 | 6-170 × 170 | 6-170 × 170 | 6-170 × 170 |
| bore × stroke | | (5.51 × 6.50) | (6.69 × 6.69) | (6.69 × 6.69) | (6.69 × 6.69) |
| Piston displacement | ltr. (cu.in) | 11.04 (674) | 23.15 (1413) | 23.15 (1413) | 23.15 (1413) |
| UNDERCARRIAGE: | | | | | |
| No.of rollers (carrier/track) | | 2/7 | 2/8 | 2/7 | 2/7 |
| Width of standard shoe | mm (in) | 610 (24.0) | 610 (24.0) | 610 (24.0) | 610 (24.0) |
| FUEL TANK CAPACITY (Refilled): | ltr. (U.S.Gal) | 840 (222) | 1200 (317) | 1200 (317) | 1050 (277) |
| *) Spec conditions: | | | | | |
| Bulldozer | | Semi-U tilt | Semi-U tilt | Semi-U tilt | Semi-U tilt |
| Rear attachment | | Giant ripper | Giant ripper | Giant ripper | Giant ripper |
| Upper attachment | | Steel cab, ROPS | Steel cab, ROPS | Steel cab, ROPS | Steel cab, ROPS |

** : Without canopy, exhaust pipe, pre-cleaner cap or other easily removed encumbrances.
*** : With variable travel speed mode
*4 : Wide track spec.
*5 : With hitch
*6 : To top of ROPS cab
*7 : Brazil source
*8 : Indonesia source
● : EPA Tier 3 and Stage 3A model
○ : EPA Tier 4 Interim and Stage 3B model



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| Item | Model | D375A-5R | D475A-5E0 | D475A-5E0 SD | D575A-3 |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | 68370 (150,730) | 108390 (238,960) | 113200 (249,560) | 131350 (289,570) |
| TRACTOR WEIGHT | kg (lb) | 50720 (111,820) | 83590 (184,290) | 84510 (186,310) | 98450 (217,040) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 451 (605)/1800 | 671 (899)/2000 | 671 (899)/2000 | |
| ISO9249/SAE J1349 Net | kW (HP)/RPM | 391 (525)/1800 | 644 (890)/2000 | 664 (890)/2000 | |
| Hyd. fan at max. speed Net | kW (HP)/RPM | 391 (525)/1800 | 641 (860)/2000 | 641 (860)/2000 | 783 (1050)/1800 |
| PERFORMANCE: | | | | | |
| Travel speed Forward 1st | km/h (MPH) | 3.5 (2.2) | 3.3 (2.1) | 3.3 (2.1) | 3.7 (2.3) |
| 2nd | | 6.8 (4.2) | 6.2 (3.9) | 6.2 (3.9) | 6.6 (4.1) |
| 3rd L/3rd | | 11.8 (7.3) | 11.2 (7.0) | 11.2 (7.0) | 11.6 (7.2) |
| Reverse 1st | | 4.6 (2.9) | | | 4.3 (2.7) |
| 2nd | | 9.2 (5.7) | | | 7.7 (4.8) |
| 3rd L/3rd | | 15.8 (9.8) | 14.0 (8.7) | 14.0 (8.7) | 13.3 (8.3) |
| Max. drawbar pull | kg (lb/kN) | - | - | - | - |
| DIMENSIONS: | | | | | |
| Overall length (tractor) | mm (ft.in) | 5905 (19'4") | 6680 (21'11") | 6680 (21'11") | 7270 (23'10") |
| Overall length* | mm (ft.in) | 10410 (34'2") | 11565 (37'11") | 10525 (34'6") | 12095 (39'8") |
| Overall width (w/o trunnion) | mm (ft.in) | 3225 (10'7") | 3660 (12') | 3610 (11'10") | 4180 (13'9") |
| Overall width (with blade)* | mm (ft.in) | 4695 (15'5") | 5265 (17'3") | 6465 (21'3") | 5880 (19'3") |
| Overall height (tractor)** | mm (ft.in) | 3475 (11'5") | 3660 (12') | 3660 (12') | 3780 (12'5") |
| Overall height* | mm (ft.in) | 4235 (13'11") | 4646 (15'3") | 4646 (15'3") | 4880 (16'0") |
| Track gauge | mm (ft.in) | 2500 (8'2") | 2770 (9'1") | 2770 (9'1") | 3220 (10'7") |
| Length of track on ground | mm (ft.in) | 3840 (12'7") | 4524 (14'10") | 4524 (14'10") | 4530 (14'10") |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D170E-5 | KOMATSU SAA12V140E-3 | KOMATSU SAA12V140E-5 | KOMATSU SA12V170 |
| No.of cylinders- | mm (in) | 6-170 × 170 | 12-140 × 165 | 12-140 × 165 | 12-170 × 170 |
| bore × stroke | | (6.69 × 6.69) | (5.51 × 6.50) | (5.51 × 6.50) | (6.69 × 6.69) |
| Piston displacement | ltr. (cu.in) | 23.15 (1413) | 30.48 (1860) | | 46.3 (2825) |
| UNDERCARRIAGE: | | | | | |
| No.of rollers (carrier/track) | | 2/8 | 2/8 | 2/8 | 2/6 |
| Width of standard shoe | mm (in) | 610 (24.0) | 710 (28.0) | 810 (32.0) | 860 (34.0) |
| FUEL TANK CAPACITY (Refilled): | ltr. (U.S.Gal) | 1050 (277) | 1670 (441) | 1670 (441) | 2100 (555) |
| *) Spec conditions: | | | | | |
| Bulldozer | | Semi-U tilt | Semi-U tilt | Super dozer | Semi-U dozer |
| Rear attachment | | Giant ripper | Giant ripper | Counterweight | Giant ripper |
| Upper attachment | | Steel cab, ROPS | Steel cab, ROPS | Steel cab, ROPS | Steel cab, ROPS |

| Item | Model | D575A-3 SD | | | |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | 152600 (336,420) | | | |
| TRACTOR WEIGHT | kg (lb) | 114580 (252,600) | | | |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | | | | |
| ISO9249/SAE J1349 Net | kW (HP)/RPM | | | | |
| Hyd. fan at max. speed Net | kW (HP)/RPM | 858 (1150)/1800 | | | |
| PERFORMANCE: | | | | | |
| Travel speed Forward 1st | km/h (MPH) | 3.7 (2.3) | | | |
| 2nd | | 6.6 (4.1) | | | |
| 3rd L/3rd | | 11.6 (7.2) | | | |
| Reverse 1st | | 4.3 (2.7) | | | |
| 2nd | | 7.7 (4.8) | | | |
| 3rd L/3rd | | 13.3 (8.3) | | | |
| Max. drawbar pull | kg (lb/kN) | - | | | |
| DIMENSIONS: | | | | | |
| Overall length (tractor) | mm (ft.in) | 7695 (25'3") | | | |
| Overall length* | mm (ft.in) | 11720 (38'5") | | | |
| Overall width (w/o trunnion) | mm (ft.in) | 4180 (13'9") | | | |
| Overall width (with blade)* | mm (ft.in) | 7400 (24'3") | | | |
| Overall height (tractor)** | mm (ft.in) | 3780 (12'5") | | | |
| Overall height* | mm (ft.in) | 4880 (16'0") | | | |
| Track gauge | mm (ft.in) | 3220 (10'7") | | | |
| Length of track on ground | mm (ft.in) | 5485 (18') | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SA12V170 | | | |
| No.of cylinders- | mm (in) | 12-170 × 170 | | | |
| bore × stroke | | (6.69 × 6.69) | | | |
| Piston displacement | ltr. (cu.in) | 46.3 (2825) | | | |
| UNDERCARRIAGE: | | | | | |
| No.of rollers (carrier/track) | | 2/8 | | | |
| Width of standard shoe | mm (in) | 860 (33.9) | | | |
| FUEL TANK CAPACITY (Refilled): | ltr. (U.S.Gal) | 2100 (555) | | | |
| *) Spec conditions: | | | | | |
| Bulldozer | | Super dozer | | | |
| Rear attachment | | Counterweight | | | |
| Upper attachment | | Steel cab, ROPS | | | |

** : Without canopy, exhaust pipe, pre-cleaner cap or other easily removed encumbrances.
*** : With variable travel speed mode
*4 : Wide track spec.
*5 : With hitch
*6 : To top of ROPS cab
*7 : Brazil source
*8 : Indonesia source
• : EPA Tier 3 and Stage 3A model
○ : EPA Tier 4 Interim and Stage 3B model



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| Item | Model | D21P-8E0 | •D31PX-22 | •D31PX-22*** | ○D37PX-23 |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | 4100 (9,040) | 8130 (17,930) | 8130 (17,930) | 8340 (18,390) |
| TRACTOR WEIGHT | kg (lb) | 3520 (7,760) | 6910 (15,240) | 6910 (15,240) | 7300 (16,090) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | | 60 (80)/2200 | 60 (80)/2200 | 67.7 (90.7)/2200 |
| ISO9249/SAE J1349 Net | kW (HP)/RPM | 32.4 (43.4)/2450 | 58 (78)/2200 | 58 (78)/2200 | 66.1 (88.6)/2200 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | 53 (71)/2200 | 53 (71)/2200 | 62.3 (83.5)/2200 |
| PERFORMANCE: | | | | | |
| Travel speed Forward 1st | km/h (MPH) | 2.6 (1.6) | 3.4 (2.1) | 0 to | 3.4 (2.1) |
| 2nd | | 4.4 (2.7) | 5.6 (3.5) | 8.5 (5.3) | 5.6 (3.5) |
| 3rd L/3rd | | - | 8.5 (5.3) | - | 8.5 (5.3) |
| Reverse 1st | | 3.3 (2.1) | 4.1 (2.5) | 0 to | 4.1 (2.5) |
| 2nd | | 5.6 (3.5) | 6.5 (4.0) | 8.5 (5.3) | 6.5 (4.0) |
| 3rd L/3rd | | - | 8.5 (5.3) | - | 8.5 (5.3) |
| Max. drawbar pull | kg (lb/kN) | 4480 (9,880/43.9) | 15300 (33,730/150) | 15300 (33,730/150) | 15300 (33,730/150) |
| DIMENSIONS: | | | | | |
| Overall length (tractor)*4 | mm (ft.in) | 2430 (8'0") | 3220 (10'7") | 3220 (10'7") | 3270 (10'9") |
| Overall length* | mm (ft.in) | 3260 (10'8") | 4155 (13'8") | 4155 (13'8") | 4275 (14'0") |
| Overall width (w/o trunnion) | mm (ft.in) | 2000 (6'7") | 2250 (7'5") | 2250 (7'5") | 1970 (6'6") |
| Overall width (with blade)* | mm (ft.in) | 2560 (8'5") | 3250 (10'8") | 3250 (10'8") | 2710 (8'11") |
| Overall height (tractor)** | mm (ft.in) | 1810 (5'11") | 2760 (9'1")*6 | 2760 (9'1")*6 | 2775 (9'1")*6 |
| Overall height* | mm (ft.in) | 2335 (7'8") | 2775 (9'1") | 2775 (9'1") | 2775 (9'1") |
| Track gauge | mm (ft.in) | 1490 (4'11") | 1650 (5'5") | 1650 (5'5") | 1710 (5'7") |
| Length of track on ground | mm (ft.in) | 1685 (5'6") | 2185 (7'2") | 2185 (7'2) | 2240 (7'4") |
| ENGINE: | | KOMATSU | KOMATSU | KOMATSU | KOMATSU |
| Model | | 4D94LE-2 | SAA4D95LE-5 | SAA4D95LE-5 | SAA4D95LE-6 |
| No.of cylinders- | mm (in) | 4-94 × 110 | 4-95 × 115 | 4-95 × 115 | 4-95 x 115 |
| bore × stroke | | (3.70 × 4.33) | (3.74 × 4.53) | (3.74 × 4.53) | (3.74 x 4.53) |
| Piston displacement | ltr. (cu.in) | 3.053 (186) | 3.26 (199) | 3.26 (199) | 3.26 (199) |
| UNDERCARRIAGE: | | | | | |
| No.of rollers (carrier/track) | | 1/5 | 1/6 | 1/6 | 1/6 |
| Width of standard shoe | mm (in) | 510 (20.1) | 600 (23.6) | 600 (23.6) | 600 (23.6) |
| FUEL TANK CAPACITY (Refilled): | ltr. (U.S.Gal) | 60 (15.9) | 195 (51.5) | 195 (51.5) | 190 (50.2) |
| *) Spec conditions: | | | | | |
| Bulldozer | | PAT | PAT | PAT | PAT |
| Rear attachment | | - | - | - | - |
| Upper attachment | | - | ROPS canopy | ROPS canopy | ROPS cab |

| Item | Model | ○D37PX-23*** | •D37PX-22 | •D37PX-22*** | ○D39PX-23 |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | 8340 (18,390) | 8240 (18,170) | 8240 (18,170) | 9270 (20,440) |
| TRACTOR WEIGHT | kg (lb) | 7300 (16,090) | 6990 (15,410) | 6990 (15,410) | 8160 (17,990) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 67.7 (90.7)/2200 | 68 (91)/2200 | 68 (91)/2200 | 80 (107)/2200 |
| ISO9249/SAE J1349 Net | kW (HP)/RPM | 66.1 (88.6)/2200 | 66 (89)/2200 | 66 (89)/2200 | 78.4 (105)/2200 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | 62.3 (83.5)/2200 | 59 (79)/2200 | 59 (79)/2200 | 72.9 (97.7)/2200 |
| PERFORMANCE: | | | | | |
| Travel speed Forward 1st | km/h (MPH) | 0 to | 3.4 (2.1) | 0 to | 3.4 (2.1) |
| 2nd | | 8.5 (5.3) | 5.6 (3.5) | 8.5 (5.3) | 5.6 (3.5) |
| 3rd L/3rd | | - | 8.5 (5.3) | - | 8.5 (5.3) |
| Reverse 1st | | 0 to | 4.1 (2.5) | 0 to | 4.1 (2.5) |
| 2nd | | 8.5 (5.3) | 6.5 (4.0) | 8.5 (5.3) | 6.5 (4.0) |
| 3rd L/3rd | | - | 8.5 (5.3) | - | 8.5 (5.3) |
| Max. drawbar pull | kg (lb/kN) | 15300 (33,730/150) | 15300 (33,730/150) | 15300 (33,730/150) | 14800 (32,630/145) |
| DIMENSIONS: | | | | | |
| Overall length (tractor)*4 | mm (ft.in) | 3270 (10'9") | 3055 (10'2") | 3055 (10'2") | 3345 (11'0") |
| Overall length* | mm (ft.in) | 4275 (14'0") | 4175 (13'8") | 4175 (13'8") | 4385 (14'5") |
| Overall width (w/o trunnion) | mm (ft.in) | 1970 (6'6") | 2250 (7'5") | 2250 (7'5") | 2080 (6'10") |
| Overall width (with blade)* | mm (ft.in) | 2710 (8'11") | 3250 (10'8") | 3250 (10'8") | 2710 (8'11") |
| Overall height (tractor)** | mm (ft.in) | 2775 (9'1")*6 | 2760 (9'1")*6 | 2760 (9'1")*6 | 2845 (9'4")*6 |
| Overall height* | mm (ft.in) | 2775 (9'1") | 2775 (9'1") | 2775 (9'1") | 2845 (9'4") |
| Track gauge | mm (ft.in) | 1710 (5'7") | 1650 (5'5") | 1650 (5'5") | 1810 (5'11") |
| Length of track on ground | mm (ft.in) | 2240 (7'4") | 2240 (7'4") | 2240 (7'4") | 2360 (7'9") |
| ENGINE: | | KOMATSU | KOMATSU | KOMATSU | KOMATSU |
| Model | | SAA4D95LE-6 | SAA4D95LE-5 | SAA4D95LE-5 | SAA4D95LE-6 |
| No.of cylinders- | mm (in) | 4-95 x 115 | 4-95 × 115 | 4-95 × 115 | 4-95 x 115 |
| bore × stroke | | (3.74 x 4.53) | (3.74 × 4.53) | (3.74 × 4.53) | (3.74 x 4.53) |
| Piston displacement | ltr. (cu.in) | 3.26 (199) | 3.26 (199) | 3.26 (199) | 3.26 (199) |
| UNDERCARRIAGE: | | | | | |
| No.of rollers (carrier/track) | | 1/6 | 1/6 | 1/6 | 1/6 |
| Width of standard shoe | mm (in) | 600 (23.6) | 600 (23.6) | 600 (23.6) | 635 (25.0) |
| FUEL TANK CAPACITY (Refilled): | ltr. (U.S.Gal) | 190 (50.2) | 195 (51.5) | 195 (51.5) | 190 (50.2) |
| *) Spec conditions: | | | | | |
| Bulldozer | | PAT | PAT | PAT | PAT |
| Rear attachment | | - | - | - | - |
| Upper attachment | | ROPS cab | ROPS canopy | ROPS canopy | ROPS cab |

** : Without canopy, exhaust pipe, pre-cleaner cap or other easily removed encumbrances.
*** : With variable travel speed mode
*4 : Wide track spec.
*5 : With hitch
*6 : To top of ROPS cab
*7 : Brazil source
*8 : Indonesia source
• : EPA Tier 3 and Stage 3A model
○ : EPA Tier 4 Interim and Stage 3B model



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| Item | Model | | ○D39PX-23*** | ●D39PX-22 | ●D39PX-22*** | ●D51PX-22*[7] |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 9270 (20,440) | 9480 (20,900) | 8900 (19,620) | 13220 (29,150) |
| TRACTOR WEIGHT | | kg (lb) | 8160 (17,990) | 8160 (17,990) | 8160 (17,990) | 11620 (25,620) |
| HORSEPOWER | SAE J1995 Gross | kW (HP)/RPM | 80 (107)/2200 | 79.9 (107)/2200 | 79.9 (107)/2200 | 99 (133)/2200 |
| | ISO9249/SAE J1349 Net | kW (HP)/RPM | 78.4 (105)/2200 | 79 (105)/2200 | 79 (105)/2200 | 97 (130)/2200 |
| | Hyd. fan at max. speed Net | kW (HP)/RPM | 72.9 (97.7)/2200 | 71 (95)/2200 | 71 (95)/2200 | 90 (120)/2200 |
| PERFORMANCE: | | | | | | |
| Travel speed | Forward 1st | km/h (MPH) | 0 to | 3.4 (2.1) | 0 to | 3.4 (2.1) |
| | 2nd | | 8.5 (5.3) | 5.6 (3.5) | 8.5 (5.3) | 5.6 (3.5) |
| | 3rd L/3rd | | - | 8.5 (5.3) | - | 9.0 (5.6) |
| | Reverse 1st | | 0 to | 4.1 (2.5) | 0 to | 4.1 (2.5) |
| | 2nd | | 8.5 (5.3) | 6.5 (4.1) | 8.5 (5.3) | 6.5 (4.0) |
| | 3rd L/3rd | | - | 8.5 (5.3) | - | 9.0 (5.6) |
| Max. drawbar pull | | kg (lb/kN) | 14800 (32,630/145) | 14500 (32,630/145) | 14500 (32,630/145) | - |
| DIMENSIONS: | | | | | | |
| Overall length (tractor)*4 | | mm (ft.in) | 3345 (11'0") | 3295 (10'10") | 3295 (10'10") | 3665 (12'0") |
| Overall length* | | mm (ft.in) | 4385 (14'5") | 4335 (14'3") | 4335 (14'3") | 4800 (15'8") |
| Overall width (w/o trunnion) | | mm (ft.in) | 2080 (6'10") | 2425 (7'11") | 2425 (7'11") | 2590 (8'6") |
| Overall width (with blade)* | | mm (ft.in) | 2710 (8'11") | 3250 (10'8") | 3250 (10'8") | 3350 (11'0") |
| Overall height (tractor)** | | mm (ft.in) | 2845 (9'4")*[6] | 2825 (9'3")*[6] | 2825 (9'3")*[6] | 3002 (9'10")*[6] |
| Overall height* | | mm (ft.in) | 2845 (9'4") | 2825 (9'3") | 2825 (9'3") | 3182 (10'5") |
| Track gauge | | mm (ft.in) | 1810 (5'11") | 1790 (5'10") | 1790 (5'10") | 1880 (6'2") |
| Length of track on ground | | mm (ft.in) | 2360 (7'9") | 2360 (7'9") | 2360 (7'9") | 2736 (9'0") |
| ENGINE: | | | | | | |
| Model | | | KOMATSU SAA4D95LE-6 | KOMATSU SAA4D107E-1 | KOMATSU SAA4D107E-1 | KOMATSU SAA6D107E-1 |
| No.of cylinders- | | mm (in) | 4-95 x 115 | 4-107 × 124 | 4-107 × 124 | 6-107 × 124 |
| bore × stroke | | | (3.74 x 4.53) | (4.21 × 4.88) | (4.21 × 4.88) | (4.21 × 4.88) |
| Piston displacement | | ltr. (cu.in) | 3.26 (199) | 4.46 (272) | 4.46 (272) | 6.69 (408) |
| UNDERCARRIAGE: | | | | | | |
| No.of rollers (carrier/track) | | | 1/6 | 1/6 | 1/6 | 2/7 |
| Width of standard shoe | | mm (in) | 635 (25.0) | 635 (25.0) | 635 (25.0) | 710 (28) |
| FUEL TANK CAPACITY (Refilled): | | ltr. (U.S.Gal) | 190 (50.2) | 195 (51.5) | 195 (51.5) | 270 (71.3) |
| *) Spec conditions: | | | | | | |
| Bulldozer | | | PAT | PAT | PAT | PAT |
| Rear attachment | | | - | - | - | - |
| Upper attachment | | | ROPS cab | ROPS canopy | ROPS canopy | ROPS cab |

| Item | Model | | ○D61PX-23 | ○D61PX-23*** | ●D61PX-15E0*[7] | D65P-12 |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 17700 (29,020) | 17700 (29,020) | 18710 (41,250) | 20185 (44,500) |
| TRACTOR WEIGHT | | kg (lb) | 15530 (34,240) | 15530 (34,240) | 15620 (34,440) | 16940 (37,350) |
| HORSEPOWER | SAE J1995 Gross | kW (HP)/RPM | 127 (170)/2200 | 127 (170)/2200 | 127 (170)/1850 | |
| | ISO9249/SAE J1349 Net | kW (HP)/RPM | 125 (168)/2200 | 125 (168)/2200 | 125 (168)/1850 | |
| | Hyd. fan at max. speed Net | kW (HP)/RPM | 113 (152)/2200 | 113 (152)/2200 | 116 (155)/1850 | 142 (190)/1950 |
| PERFORMANCE: | | | | | | |
| Travel speed | Forward 1st | km/h (MPH) | 3.4 (2.1) | 0 to | 3.2 (2.0) | 3.9 (2.4) |
| | 2nd | | 5.6 (3.5) | 9.0 (5.6) | 5.6 (3.5) | 6.8 (4.2) |
| | 3rd L/3rd | | 8.5 (5.3) | - | 8.7 (5.4) | 10.6 (6.6) |
| | Reverse 1st | | 4.1 (2.5) | 0 to | 4.3 (2.7) | 5.0 (3.1) |
| | 2nd | | 6.5 (4.0) | 9.0 (5.6) | 7.2 (4.5) | 8.6 (5.3) |
| | 3rd L/3rd | | 9.0 (5.6) | | 11.2 (6.8) | 13.4 (8.3) |
| Max. drawbar pull | | kg (lb/kN) | 28100 (61,950/275.6) | | - | - |
| DIMENSIONS: | | | | | | |
| Overall length (tractor)*4 | | mm (ft.in) | 4165 (13'8") | 4165 (13'8") | 4160 (13'8") | 4425 (14'6") |
| Overall length* | | mm (ft.in) | 5480 (18'0") | 5480 (18'0") | 5440 (17'10") | 5520 (18'1") |
| Overall width (w/o trunnion) | | mm (ft.in) | 2500 (8'2") | 2500 (8'2") | 3000 (9'10") | 2965 (9'9") |
| Overall width (with blade)* | | mm (ft.in) | 3250 (10'8") | 3250 (10'8") | 3860 (12'8") | 3970 (13'0") |
| Overall height (tractor)** | | mm (ft.in) | 3180 (10'5")*[6] | 3180 (10'5")*[6] | 2270 (7'5") | 2300 (7'7") |
| Overall height* | | mm (ft.in) | 3180 (10'5") | 3180 (10'5") | 3150 (10'4") | 3165 (10'5") |
| Track gauge | | mm (ft.in) | 2130 (7'0") | 2130 (7'0") | 2140 (7'0") | 2050 (6'9") |
| Length of track on ground | | mm (ft.in) | 3165 (10'5") | 3165 (10'5") | 3170 (10'5") | 3285 (10'9") |
| ENGINE: | | | | | | |
| Model | | | KOMATSU SAA6D107E-2 | KOMATSU SAA6D107E-2 | KOMATSU SAA6D107E-1 | KOMATSU S6D125E |
| No.of cylinders- | | mm (in) | 6-107 x 124 | 6-107 x 124 | 6-107 × 124 | 6-125 × 150 |
| bore × stroke | | | (4.21 x 4.88) | (4.21 x 4.88) | (4.21 × 4.88) | (4.92 × 5.91) |
| Piston displacement | | ltr. (cu.in) | 6.69 (408) | 6.69 (408) | 6.69 (408) | 11.04 (674) |
| UNDERCARRIAGE: | | | | | | |
| No.of rollers (carrier/track) | | | 2/8 | 2/8 | 2/8 | 2/8 |
| Width of standard shoe | | mm (in) | 600 (23.6) | 600 (23.6) | 860 (34) | 915 (36.0) |
| FUEL TANK CAPACITY (Refilled): | | ltr. (U.S.Gal) | 372 (81.8) | 372 (81.8) | 390 (103) | 406 (107.3) |
| *) Spec conditions: | | | | | | |
| Bulldozer | | | PAT | PAT | PAT | Straight tilt |
| Rear attachment | | | - | - | - | - |
| Upper attachment | | | ROPS cab | ROPS cab | ROPS canopy | Steel cab, ROPS |

** : Without canopy, exhaust pipe, pre-cleaner cap or other easily removed encumbrances.
*** : With variable travel speed mode
*4 : Wide track spec.
*5 : With hitch
*6 : To top of ROPS cab
*7 : Brazil source
*8 : Indonesia source
● : EPA Tier 3 and Stage 3A model
○ : EPA Tier 4 Interim and Stage 3B model



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| Item | Model | | •D65PX-16 | •D65PX-16 | ○D65PX-17 | ○D65PX-17 |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 20990 (46,270) | 21860 (48,190) | 21160 (46,650) | 22030 (48,570) |
| TRACTOR WEIGHT | | kg (lb) | 18890 (41,640) | 18870 (41,600) | 19060 (42,020) | 19040 (41,980) |
| HORSEPOWER | SAE J1995 Gross | kW (HP)/RPM | 155 (207)/1950 | 155 (207)/1950 | 155 (207)/1950 | 155 (207)/1950 |
| | ISO9249/SAE J1349 Net | kW (HP)/RPM | 153 (205)/1950 | 153 (205)/1950 | 153 (205)/1950 | 153 (205)/1950 |
| | Hyd. fan at max. speed Net | kW (HP)/RPM | 139 (186)/1950 | 139 (186)/1950 | 139 (186)/1950 | 139 (186)/1950 |
| PERFORMANCE: | | | | | | |
| Travel speed | Forward 1st | km/h (MPH) | 3.6 (2.2) | 3.6 (2.2) | 3.6 (2.2) | 3.6 (2.2) |
| | 2nd | | 5.5 (3.4) | 5.5 (3.4) | 5.6 (3.5) | 5.6 (3.5) |
| | 3rd L/3rd | | 11.2 (7.0) | 11.2 (7.0) | 7.3(4.5)/11.3 (7.0) | 7.3(4.5)/11.3 (7.0) |
| | Reverse 1st | | 4.4 (2.7) | 4.4 (2.7) | 4.5 (2.8) | 4.5 (2.8) |
| | 2nd | | 6.6 (4.1) | 6.6 (4.1) | 6.7 (4.2) | 6.7 (4.2) |
| | 3rd L/3rd | | 13.4 (8.3) | 13.4 (8.3) | 8.7(5.4)/13.6 (8.5) | 8.7(5.4)/13.6 (8.5) |
| Max. drawbar pull | | kg (lb/kN) | - | - | - | - |
| DIMENSIONS: | | | | | | |
| Overall length (tractor)*4 | | mm (ft.in) | 4505 (14'9") | 5130 (16'10") | 4505 (14'9") | 4505 (14'9") |
| Overall length* | | mm (ft.in) | 5680 (18'8") | 5790 (19'0") | 5680 (18'8") | 5790 (19'0") |
| Overall width (w/o trunnion) | | mm (ft.in) | 2965 (9'8") | 2990 (9'10") | 2965 (9'9") | 2990 (9'10") |
| Overall width (with blade)* | | mm (ft.in) | 3970 (13' 0") | 2990 (9'10") | 3970 (13'0") | 4010 (13'2") |
| Overall height (tractor)** | | mm (ft.in) | 3155 (10'4")*6 | 3155 (10'4")*6 | 3155 (10'4")*6 | 3155 (10'4")*6 |
| Overall height* | | mm (ft.in) | 3155 (10'4") | 3155 (10'4") | 3155 (10'4") | 3155 (10'4") |
| Track gauge | | mm (ft.in) | 2050 (6' 9") | 2230 (7' 4") | 2050 (6'9") | 2230 (7'4") |
| Length of track on ground | | mm (ft.in) | 3285 (10'9") | 3285 (10'9") | 3285 (10'9") | 2980 (9'9") |
| ENGINE: | | | | | | |
| Model | | | KOMATSU SAA6D114E-3 | KOMATSU SAA6D114E-3 | KOMATSU SAA6D114E-5 | KOMATSU SAA6D114E-5 |
| No.of cylinders- bore × stroke | | mm (in) | 6-114 × 135 (4.49 × 5.31) | 6-114 × 135 (4.49 × 5.31) | 6-114 x 144.5 (4.49 x 5.69) | 6-114 x 144.5 (4.49 x 5.69) |
| Piston displacement | | ltr. (cu.in) | 8.27 (505) | 8.27 (505) | 8.85 (540) | 8.85 (540) |
| UNDERCARRIAGE: | | | | | | |
| No.of rollers (carrier/track) | | | 2/8 | 2/8 | 2/8 | 2/8 |
| Width of standard shoe | | mm (in) | 915 (36) | 760 (30) | 915 (36) | 760 (30) |
| FUEL TANK CAPACITY (Refilled): | | ltr. (U.S.Gal) | 415 (109.6) | 415 (109.6) | 415 (109.6) | 415 (109.6) |
| *) Spec conditions: | | | | | | |
| Bulldozer | | | Straight tilt | PAT | Straight tilt | PAT |
| Rear attachment | | | - | - | - | - |
| Upper attachment | | | ROPS cab | ROPS cab | ROPS cab | ROPS cab |

| Item | Model | | •D85PX-15E0 | D85PX-15R | | |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 27650 (60,960) | 27550 (60,740) | | |
| TRACTOR WEIGHT | | kg (lb) | 23500 (51,810) | 23400 (51,590) | | |
| HORSEPOWER | SAE J1995 Gross | kW (HP)/RPM | 199 (266)/1900 | | | |
| | ISO9249/SAE J1349 Net | kW (HP)/RPM | 197 (264)/1900 | | | |
| | Hyd. fan at max. speed Net | kW (HP)/RPM | 179 (240)/1900 | 179 (240)/1900 | | |
| PERFORMANCE: | | | | | | |
| Travel speed | Forward 1st | km/h (MPH) | 3.3 (2.1) | 3.6 (2.2) | | |
| | 2nd | | 6.0 (3.7) | 6.0 (3.7) | | |
| | 3rd L/3rd | | 10.0 (6.2) | 10.0 (6.2) | | |
| | Reverse 1st | | | 4.7 (2.9) | | |
| | 2nd | | | 7.9 (4.9) | | |
| | 3rd L/3rd | | 12.7 (7.9) | 12.7 (7.9) | | |
| Max. drawbar pull | | kg (lb/kN) | - | - | | |
| DIMENSIONS: | | | | | | |
| Overall length (tractor)*4 | | mm (ft.in) | 4720 (15'6") | 4720 (15'6") | | |
| Overall length* | | mm (ft.in) | 6065 (19'11") | 6065 (19'11") | | |
| Overall width (w/o trunnion) | | mm (ft.in) | 3160 (10'4") | 3160 (10'4") | | |
| Overall width (with blade)* | | mm (ft.in) | 4365 (14'4") | 4365 (14'4") | | |
| Overall height (tractor)** | | mm (ft.in) | 3163 (10'5")*6 | 3163 (10'5")*6 | | |
| Overall height* | | mm (ft.in) | 3330 (10'11") | 3324 (10'11") | | |
| Track gauge | | mm (ft.in) | 2250 (7'5") | 2250 (7'5") | | |
| Length of track on ground | | mm (ft.in) | 3480 (11'5") | 3480 (11'5") | | |
| ENGINE: | | | | | | |
| Model | | | KOMATSU SAA6D125E-5 | KOMATSU SAA6D125E-5 | | |
| No.of cylinders- bore × stroke | | mm (in) | 6-125 × 150 (4.92 × 5.91) | 6-125 × 150 (4.9 × 5.9) | | |
| Piston displacement | | ltr. (cu.in) | 11.04 (674) | 11.04 (674) | | |
| UNDERCARRIAGE: | | | | | | |
| No.of rollers (carrier/track) | | | 2/8 | 2/8 | | |
| Width of standard shoe | | mm (in) | 910 (36) | 910 (36) | | |
| FUEL TANK CAPACITY (Refilled): | | ltr. (U.S.Gal) | 490 (129) | 490 (129) | | |
| *) Spec conditions: | | | | | | |
| Bulldozer | | | Straight tilt | Straight tilt | | |
| Rear attachment | | | - | - | | |
| Upper attachment | | | Steel cab, ROPS | Steel cab, ROPS | | |

** : Without canopy, exhaust pipe, pre-cleaner cap or other easily removed encumbrances.
*** : With variable travel speed mode
*4 : Wide track spec.
*5 : With hitch
*6 : To top of ROPS cab
*7 : Brazil source
*8 : Indonesia source
• : EPA Tier 3 and Stage 3A model
○ : EPA Tier 4 Interim and Stage 3B model

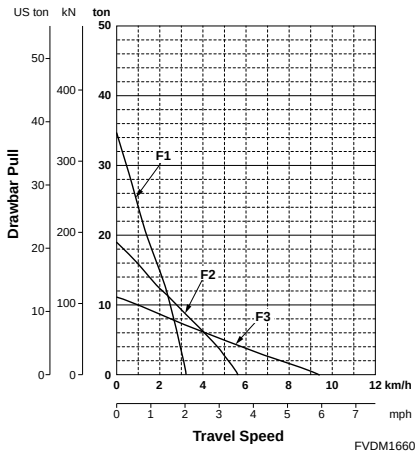


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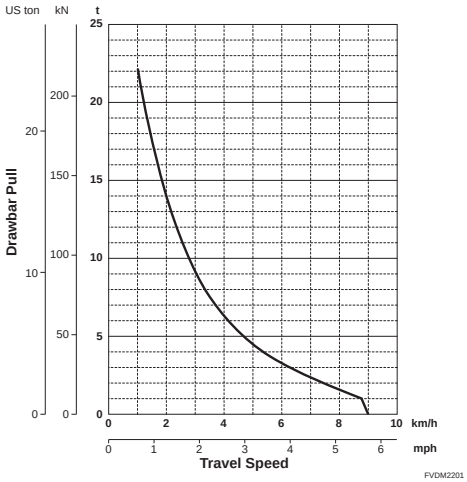
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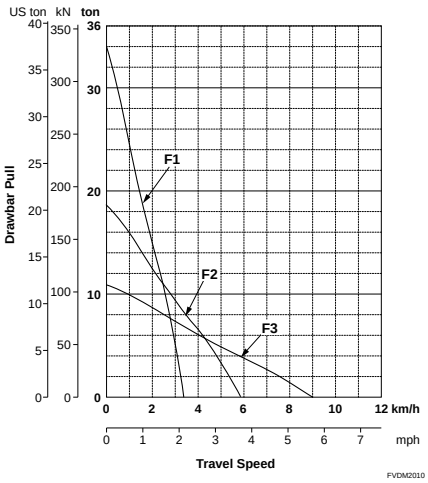
## D61EX-15E0



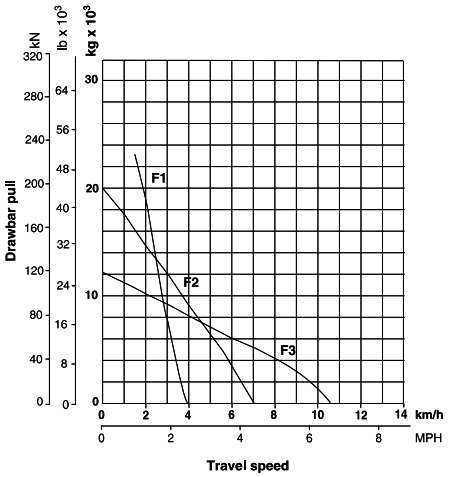

## D61EX-23



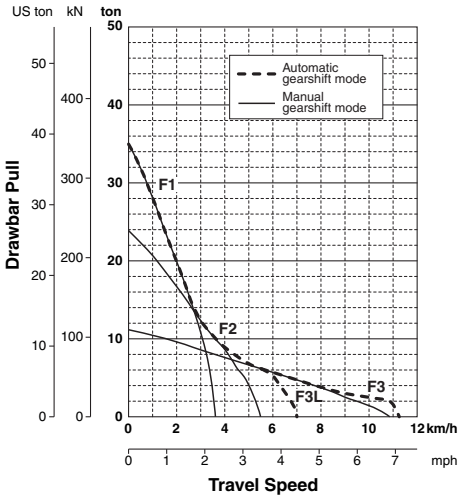

## D63E-12



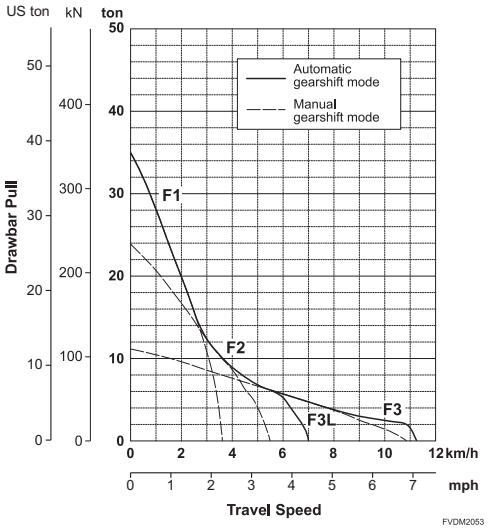

## D65E-12




## D65EX-16, D65WX-16




## D65EX-17, D65WX-17




**NOTE:** THE DRAWBAR PULL AND TRAVEL SPEED MAY BE SUBJECT TO CHANGE DEPENDING ON THE GROUND CONDITIONS AND MACHINE WEIGHT.

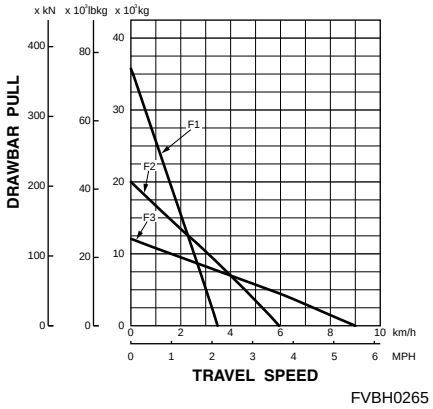


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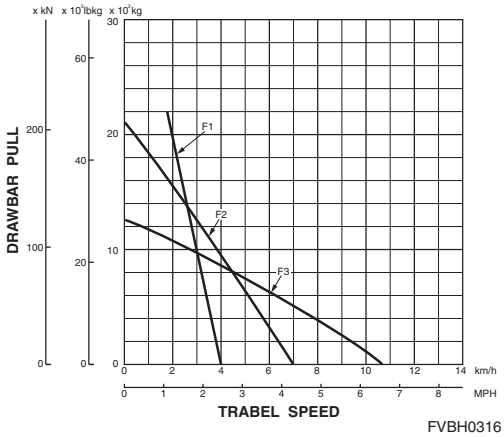


## D68ESS-12



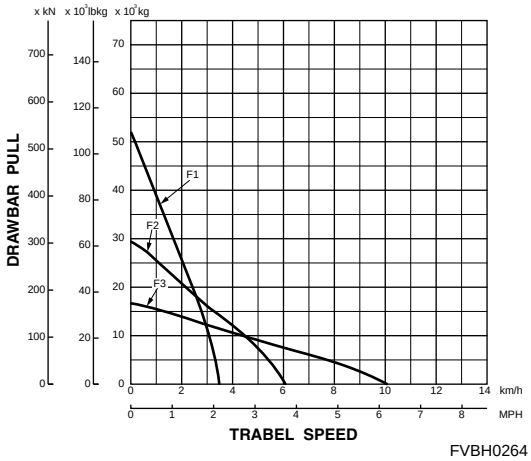

FVBH0265

## D85ESS-2, D85ESS-2A



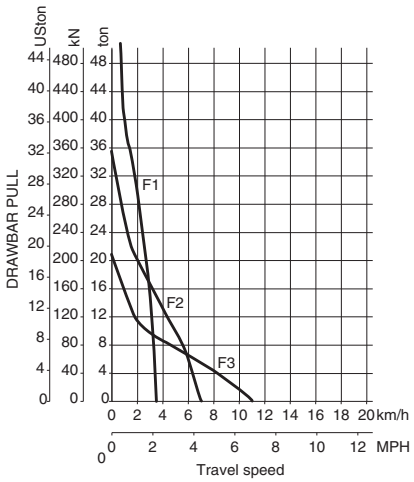

FVBH0316

## D85EX-15E0
## D85EX-15R

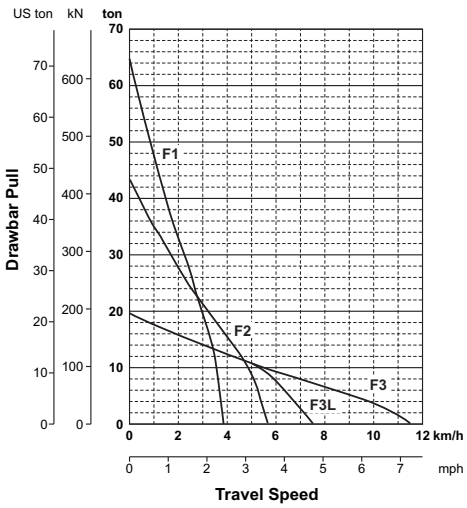



FVBH0264

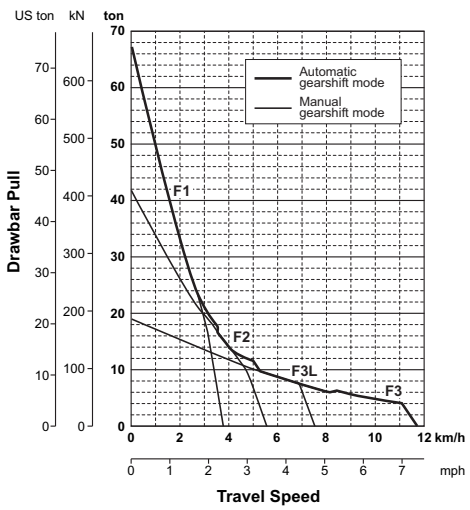
## D155A-5




## D155A-6




## D155AX-6




**NOTE:** THE DRAWBAR PULL AND TRAVEL SPEED MAY BE SUBJECT TO CHANGE DEPENDING ON THE GROUND CONDITIONS AND MACHINE WEIGHT.

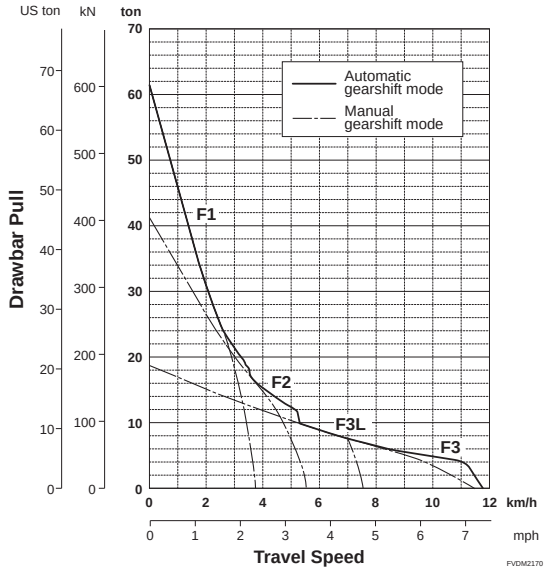


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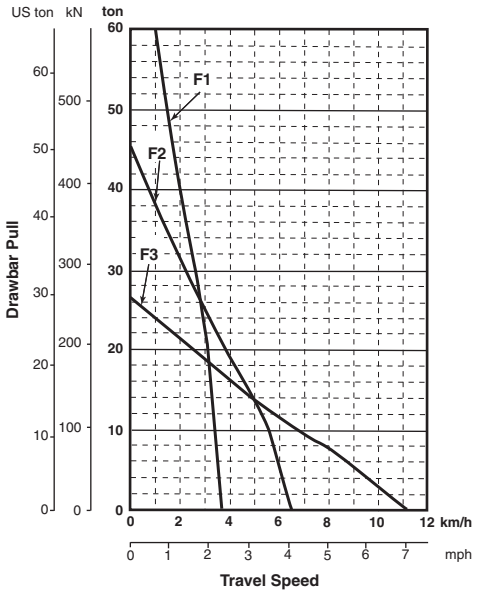
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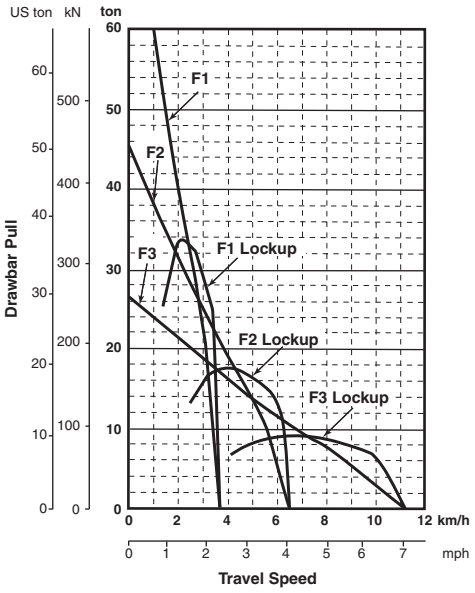
### D155AX-7



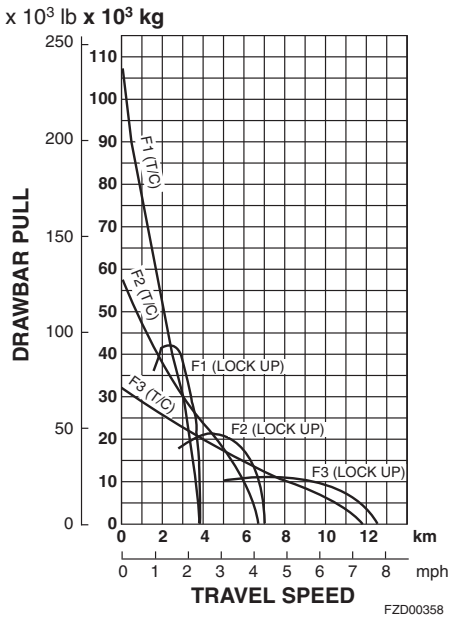

### D275A-5, D275A-5R




### D275AX-5E0




### D375A-5, D375A-5R




**NOTE:** THE DRAWBAR PULL AND TRAVEL SPEED MAY BE SUBJECT TO CHANGE DEPENDING ON THE GROUND CONDITIONS AND MACHINE WEIGHT.

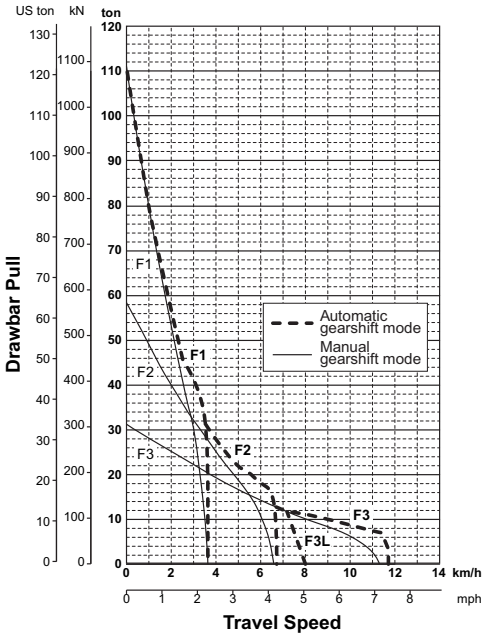


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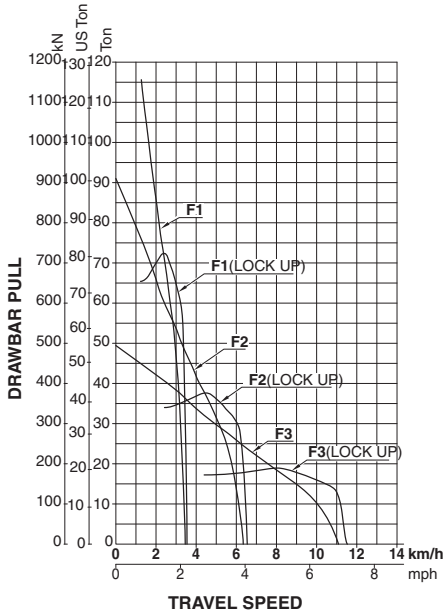
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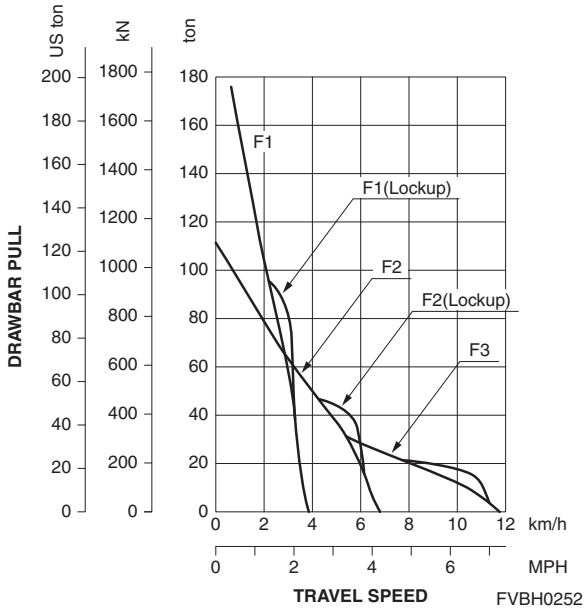
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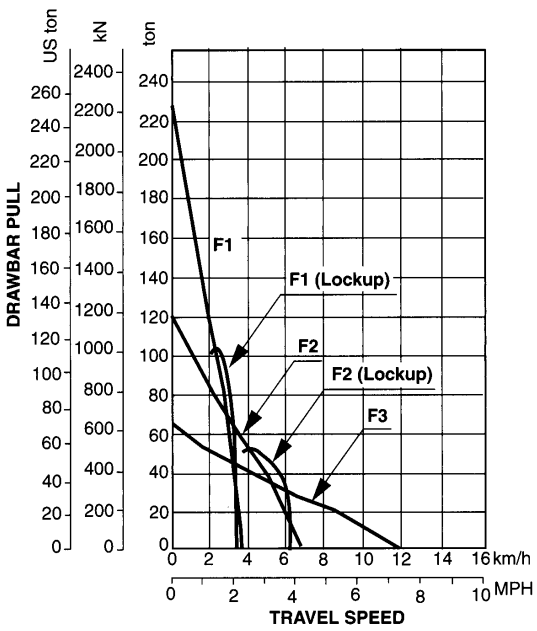

### D475A-5E0, D475ASD-5E0




### D575A-3




### D575A-3 SD




**NOTE:** THE DRAWBAR PULL AND TRAVEL SPEED MAY BE SUBJECT TO CHANGE DEPENDING ON THE GROUND CONDITIONS AND MACHINE WEIGHT.

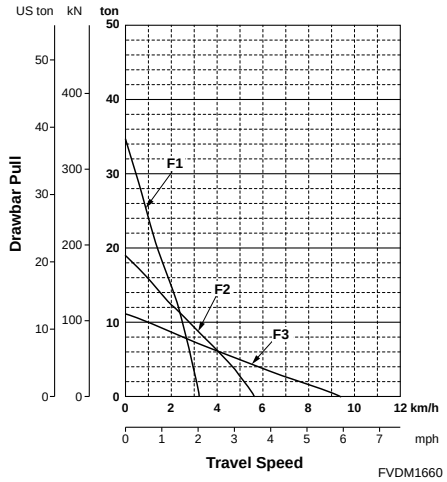


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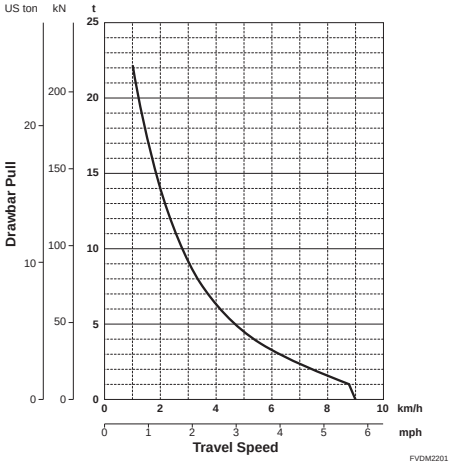
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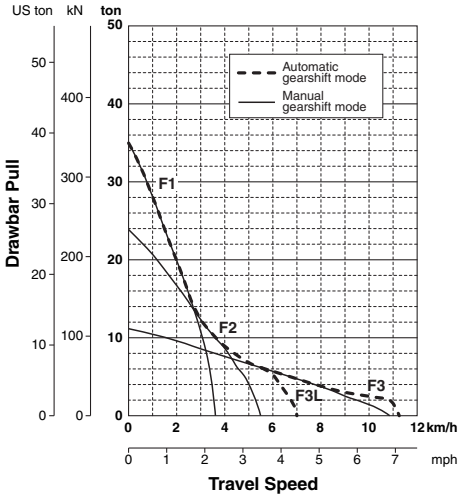
## D61PX-15E0



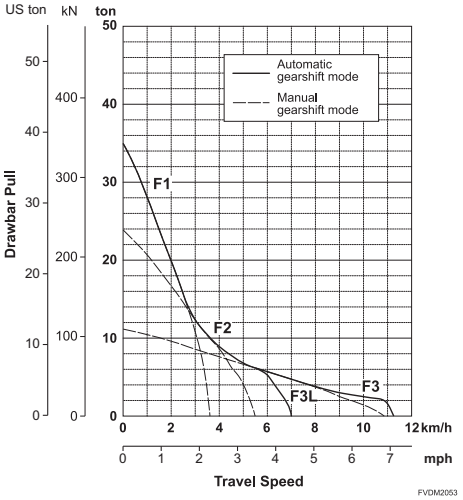

## D61PX-23



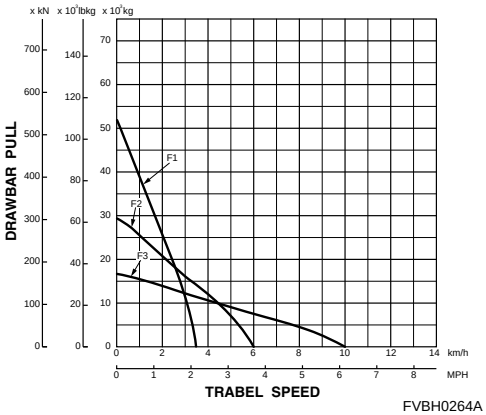

## D65PX-16




## D65PX-17




## D85PX-15E0




**NOTE:** THE DRAWBAR PULL AND TRAVEL SPEED MAY BE SUBJECT TO CHANGE DEPENDING ON THE GROUND CONDITIONS AND MACHINE WEIGHT.



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**Definition:** Ground pressure = tractor machine operating weight / total ground contact area where; total ground contact area = length of track on ground × shoe width × 2.

### Single grouser shoe

| Model | Shoe width mm (in) | Ground contact area $cm^2$ ($in^2$) | Ground pressure $kg/cm^2$ (PSI/kPa) | Change in operating weight kg (lb) | Application** |
|---|---|---|---|---|---|
| D21A-8E0 | 300 (12)* | 10110 (1,570) | 0.31 (4.41/30.4) | ±0 | B |
| | 340 (13.4) | 11460 (1,780) | 0.28 (3.98/27.5) | +32 (71) | B |
| D21P-8E0 | 510 (20)* | 17190 (2,664) | 0.20 (2.84/19.6) | ±0 | C |
| D31EX-22 | 400 (15.7)* | 17500 (2,713) | 0.37 (5.26/36.3) | ±0 | B |
| D31PX-22 | 600 (23.6)* | 26200 (4,061) | 0.26 (3.70/25.5) | ±0 | C |
| D37EX-22 | 400 (15.7)* | 17900 (2,775) | 0.37 (5.26/36.3) | ±0 | B |
| D37PX-22 | 600 (23.6)* | 26900 (4,170) | 0.26 (3.70/25.5) | ±0 | C |
| D37EX-23 | 400 (15.7)* | 17900 (2,775) | 0.41 (5.83/40.2) | ±0 | B |
| | 460 (18) | 20610 (3195) | 0.36 (5.12/35.3) | +80 (176) | B |
| D37PX-23 | 600 (23.6)* | 26900 (4,170) | 0.28 (3.98/27.5) | ±0 | C |
| D39EX-22 | 460 (18)* | 21710 (3,365) | 0.36 (5.12/35.3) | ±0 | B |
| | 510 (20) | 24070 (3,731) | 0.33 (4.69/32.4) | +90 (198) | B |
| D39PX-22 | 635 (25)* | 29970 (4,645) | 0.27 (3.84/26.5) | ±0 | B |
| | 700 (27.6) | 33040 (5,121) | 0.25 (3.56/24.5) | +110 (245) | C |
| D39EX-23 | 460 (18)* | 21710 (3,365) | 0.38 (5.40/37.3) | ±0 | B |
| | 510 (20) | 24070 (3,731) | 0.34 (4.83/33.3) | +90 (198) | B |
| D39PX-23 | 635 (25)* | 29970 (4,645) | 0.28 (3.98/27.5) | ±0 | B |
| | 700 (27.6) | 33040 (5,121) | 0.26 (3.70/25.5) | +110 (245) | C |
| D51EX-22 | 510 (20)* | 28000 (4,340) | 0.45 (5.69/39.2) | ±0 | B |
| | 560 (22) | 30745 (4,765) | | | B |
| D51EX-22*4 | 510 (20)* | 28000 (4,340) | 0.45 (5.69/39.2) | ±0 | B |
| D51PX-22 | 710 (28) | 38980 (6042) | 0.34 (4.82/33.3) | ±0 | C |
| D61EX-15E0 | 600 (23.6)* | 31200 (4,836) | 0.45 (6.40/44.1) | ±0 | B |
| D61EX-15E0*4 | 600 (23.6)* | 31200 (4,836) | 0.45 (6.40/44.1) | ±0 | B |
| D61EX-23 | 600 (23.6)* | 37980 (5,887) | 0.41 (5.83/40.2) | ±0 | B |
| D61PX-23 | 860 (33.9)* | 54440 (5,887) | 0.30 (4.27/29.4) | ±0 | C |
| D63E-12 | 510 (20) | 27800 (4,308) | 0.52 (7.39/51.0) | -120 (265) | B |
| | 560 (22)* | 30500 (4,730) | 0.48 (6.83/47.1) | ±0 | B |
| | 610 (24) | 33200 (5,146) | 0.44 (6.26/43.1) | +120 (265) | B |
| D65E-12 | 510 (20)* | 27290 (4,230) | 0.57 (8.11/55.9) | ±0 | B |
| | 560 (22) | 29970 (4,645) | 0.53 (7.54/52.0) | +120 (265) | B |
| | 610 (24) | 32640 (5,059) | 0.49 (6.97/48.1) | +230 (507) | B |
| | 660 (26) | 35320 (5,475) | 0.45 (6.40/44.1) | +360 (794) | B |
| D65EX-16 | 510 (20)* | 30400 (4,711) | 0.56 (8.01/55.2) | ±0 | B |
| | 560 (22) | 33380 (5,174) | 0.52 (7.35/51.0) | +130 (289) | B |
| | 610 (24) | 36360 (5,636) | 0.48 (6.83/47.1) | +250 (551) | B |
| | 660 (26) | 39340 (6,100) | 0.44 (6.26/43.1) | +380 (838) | B |
| D65PX-16 | 915 (36)* | 60120 (9,319) | 0.31 (4.47/30.8) | ±0 | C |
| D65WX-16 | 760 (30)* | 45300 (7,021) | 0.39 (5.61/38.2) | ±0 | C |
| D65P-12 | 915 (36)* | 60120 (9,319) | 0.28 (3.98/27.5) | ±0 | C |
| D65EX-17 | 510 (20)* | 30400 (4,712) | 0.55 (7.82/53.9) | ±0 | B |
| | 560 (22) | 33380 (5,174) | 0.52 (7.39/51.0) | +130 (289) | B |
| | 610 (24) | 36360 (5,636) | 0.48 (6.83/47.1) | +250 (551) | B |
| | 660 (26) | 39340 (6,098) | 0.45 (6.40/44.1) | +380 (838) | B |
| D65PX-17 | 915 (36)* | 60120 (9,319) | 0.31 (4.41/30.4) | ±0 | C |
| D65WX-17 | 760 (30)* | 45300 (7,021) | 0.39 (5.61/38.2) | ±0 | C |
| D68ESS-12 | 610 (24) | 35700 (5,635) | 0.53 (7.54/52.0) | ±0 | B |
| D85ESS-2 | 610 (24) | 36360 (5,635) | 0.43 (6.11/42.2) | ±0 | B |
| D85ESS-2A | 510 (20)* | 30400 (4,711) | 0.51 (7.25/50.0) | ±0 | A |
| | 560 (22) | 33380 (5,174) | 0.47(6.68/46.1) | +120 (265) | A |
| | 610 (24) | 36360 (5,636) | 0.43 (6.11/42.2) | +230 (507) | B |
| | 660 (26) | 39340 (6,100) | 0.40 (5.69/39.2) | +360 (794) | B |
| D85EX-15E0<br>D85EX-15R | 560 (22)* | 34160 (5,295) | 0.47(6.68/46.1) | ±0 | A |
| | 610 (24) | 39000 (6,045) | 0.43 (6.11/42.2) | +340 (750) | B |
| | 660 (26) | 40260 (6,240) | 0.40 (5.69/39.2) | +530 (1168) | B |
| D85PX-15E0<br>D85PX-15R | 910 836)* | 63340 (9,820) | 0.44 (6.26/43.1) | ±0 | C |

* : Standard shoe
** : See theclassfication of shoe application
*** : Long track spec.
*4 : Brazil source



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| Model | Shoe width mm (in) | Ground contact area $cm^2$ ($in^2$) | Ground pressure $kg/cm^2$ (PSI/kPa) | Change in operating weight kg (lb) | Application** |
|---|---|---|---|---|---|
| D155A-5 | 560 (22)* | 35950 (5,572) | 0.78 (11.09/76.5) | ±0 | A |
| | 610 (24) | 39160 (6,070) | 0.72 (10.23/70.6) | +210 (460) | B |
| | 660 (26) | 42370 (6,567) | 0.67 (9.53/65.7) | +400 (880) | B |
| | 710 (28) | 45580 (7,056) | 0.63 (8.96/61.8) | +620 (1370) | C |
| D155A-6 | 560 (22)* | 35280 (5,468) | 0.92 (13.1/90.2) | ±0 | A |
| | 610 (24) | 38430 (5,957) | 0.85 (12.1/83.4) | +200 (440) | B |
| | 660 (26) | 41580 (6,445) | 0.79 (11.2/77.5) | +410 (900) | B |
| | 710 (28) | 44730 (6,933) | 0.74 (105/72.6) | +610 (1340) | C |
| D155AX-6 | 560 (22)* | 36680 (5,685) | 0.84 (11.9/82.4) | ±0 | A |
| | 610 (24) | 39960 (6,193) | 0.78 (12.1/76.5) | +200 (440) | B |
| | 660 (26) | 43230 (6,700) | 0.73 (10.4/71.6) | +410 (900) | B |
| | 710 (28) | 46500 (7,208) | 0.68 (9.67/66.7) | +620 (1370) | C |
| D155AX-7 | 560 (22)* | 36680 (5,685) | 0.84 (11.9/82.4) | ±0 | A |
| | 610 (24) | 39960 (6,193) | 0.78 (12.1/76.5) | +200 (440) | B |
| | 660 (26) | 43230 (6,700) | 0.73 (10.4/71.6) | +410 (900) | B |
| | 710 (28) | 46510 (7,208) | 0.68 (9.67/66.7) | +620 (1370) | C |

* : Standard shoe
** : See theclassfication of shoe application
*** : Long track spec.
*4 : Brazil source

**Definition:** Ground pressure = tractor machine operating weight / total ground contact area where; total ground contact area = length of track on ground × shoe width × 2.

**Extreme service shoe**

| Model | Shoe width mm (in) | Ground contact area $cm^2$ ($in^2$) | Ground pressure $kg/cm^2$ (PSI/kPa) | Change in operating weight kg (lb) | Application** |
|---|---|---|---|---|---|
| D155A-5 | 560 (22) | 35950 (5,572) | 0.79 (11.23/77.5) | +460 (1,010) | A |
| | 610 (24) | 39160 (6,070) | 0.73 (10.38/71.6) | +700 (1,540) | B |
| | 660 (26) | 42370 (6,567) | 0.68 (9.67/66.1) | +940 (2,070) | B |
| D155A-6 | 560 (22) | 36680 (5,685) | 0.89 (12.7/87.3) | +450 (990) | A |
| | 610 (24) | 39960 (6,193) | 0.83 (11.8/81.4) | +690 (1,520) | B |
| | 660 (26) | 43230 (6,700) | 0.77 (10.9/75.5) | +920 (2,030) | B |
| D155AX-6 | 560 (22) | 36680 (5,685) | 0.85 (12.1/83.4) | +460 (1,010) | A |
| | 610 (24) | 39960 (6,193) | 0.79 (11.2/77.5) | +700 (1,540) | B |
| | 660 (26) | 43230 (6,700) | 0.74 (10.5/72.6) | +940 (2,070) | B |
| D155AX-7 | 560 (22) | 36680 (5,685) | 0.84 (11.9/82.4) | +460 (1,010) | A |
| | 610 (24) | 39960 (6,193) | 0.78 (12.1/76.5) | +700 (1,540) | B |
| | 660 (26) | 43230 (6,700) | 0.73 (10.4/71.6) | +940 (2,070) | B |
| D275A-5<br>D275A-5R | 610 (24)* | 42460 (6,580) | 0.89 (12.7/87.3) | ±0 | A |
| | 710 (28) | 49420 (7,659) | 0.77 (10.9/75.5) | +570 (1,260) | B |
| | 760 (30) | 52900 (8,199) | 0.73 (10.4/71.6) | +850 (1,870) | B |
| D275AX-5E0 | 610 (24)* | 42460 (6,580) | 0.89 (12.7/87.3) | ±0 | A |
| | 710 (28) | 49420 (7,659) | 0.77 (10.9/75.5) | +570 (1,260) | B |
| | 760 (30) | 52900 (8,199) | 0.73 (10.4/71.6) | +850 (1,870) | B |
| D375A-5 | 610 (24)* | 46850 (7,262) | 1.06 (15.1/104) | ±0 | A |
| | 710 (28) | 54530 (8,452) | 0.93 (13.2/91.2) | +660 (1,445) | B |
| | 810 (32) | 62210 (9,643) | 0.82 (11.7/80.4) | +1330 (2,930) | C |
| D375A-5R | 610 (24)* | 46850 (7,262) | 1.06 (15.1/104) | ±0 | A |
| | 710 (28) | 54530 (8,452) | 0.93 (13.2/91.2) | +660 (1,445) | B |
| | 810 (32) | 62210 (9,643) | 0.82 (11.7/80.4) | +1330 (2,930) | C |
| D375A-6 | 610 (24)* | 48560 (7,527) | 1.10 (15.6/108) | ±0 | A |
| | 710 (28) | 56520 (8,760) | 0.95 (13.5/93.2) | +680 (1,500) | B |
| | 810 (32) | 64480 (9,990) | 0.85 (12.1/83.4) | +1360 (3,000) | C |
| D375A-6R | 610 (24)* | 46850 (7,262) | 1.11 (15.8/109) | ±0 | A |
| | 710 (28) | 54530 (8,452) | 0.96 (13.7/94.1) | +660 (1,445) | B |
| | 810 (32) | 62210 (9,643) | 0.85 (12.1/83.4) | +1330 (2,930) | C |
| D475A-5E0 | 710 (28)* | 64240 (9,957) | 1.30 (18.5/128) | ±0 | A |
| | 810 (32) | 73290 (11,360) | 1.15 (16.4/113) | +920 (2,030) | B |
| | 910 (36) | 82340 (12,762) | 1.04 (14.8/102) | +1830 (4,030) | C |
| D475ASD-5E0 | 810 (32)* | 73290 (11,360) | 1.15 (16.4/113) | ±0 | A,B |
| | 910 (36) | 82340 (12,762) | 1.05 (14.9/103) | +1830 (4,030) | C |



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| Model | Shoe width mm (in) | Ground contact area $cm^2$ ($in^2$) | Ground pressure $kg/cm^2$ (PSI/kPa) | Change in operating weight kg (lb) | Application** |
|---|---|---|---|---|---|
| D575A-3 | 760 (30)* | 68860 (10670) | 1.43 (20.3/140) | ±0 | A |
| | 810 (32) | 73390 (11,375) | 1.35 (19.2/132) | +500 (1,100) | B |
| | 860 (34) | 77920 (12,080) | 1.28 (18.2/126) | +1000 (2,210) | B |
| | 910 (36) | 82450 (12,780) | 1.21 (17.2/119) | +1500 (3,310) | C |
| D575A-3 SD | 860 (34)* | 94340 (14,620) | 1.21 (17.2/119) | ±0 | A,B |
| | 910 (36) | 99830 (15,430) | 1.15 (16.4/113) | +570 (1,260) | B |

### Swamp shoe (Circular arc shape)

| Model | Shoe width mm (in) | Ground contact area $cm^2$ ($in^2$) | Ground pressure $kg/cm^2$ (PSI/kPa) | Change in operating weight kg (lb) | Application** |
|---|---|---|---|---|---|
| D31PX-22 | 600 (23.6) | 26200 (4,061) | 0.27 (3.84/26.5) | +40 (88) | C |
| D37PX-22 | 600 (23.6) | 26900 (4,170) | 0.26 (3.70/25.5) | +40 (88) | C |
| D39PX-22 | 700 (27.6) | 33040 (5,121) | 0.25 (3.56/24.5) | -20 (44) | C |
| D61PX-15E0 | 860 (30) | 54520 (8,451) | 0.28 (3.98/27.5) | -400 (880) | C |
| D65P-12 | 950 (37.4) | 62420 (9,675) | 0.27 (3.84/26.5) | +50 (110) | C |
| D65PX-16 | 940 (37) | 61760 (9,573) | 0.31 (4.41/30.4) | +30 (70) | C |
| D65PX-17 | 940 (37) | 61760 (9,573) | 0.31 (4.41/30.4) | +30 (70) | C |
| D85PX-15E0 | 910 (36) | 63340 (9,820) | 0.37 (5.26/36.3) | -65 (143) | C |
| D85PX-15R | | | | | |

* : Standard shoe
** : See theclassfication of shoe application
*** : Long track spec.



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**Classification of the applications:**

| Classification | Applicable terrain | Limitations |
|---|---|---|
| **A** | **Rocky terrain, general terrain** | These can be used over a wide range of general civil engineering work from crushed rock to preparation of residential land. There is no particular limitation on their use. |
| **B** | **General or soft terrain** | These are used for general earthmoving work where the main work is scraping operations and pushing operations when constructing golf courses, and overburden stripping operations in coal mines.<br>They cannot be used on rocky ground. Be careful to avoid traveling over rocks when carrying out operations on job sites where there are scattered rocks. |
| **C** | **Extremely soft terrain (swamps)** | These are used on soft ground where B classification shoes would sink. These cannot be used on ground where there are scattered rocks. |

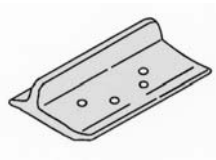
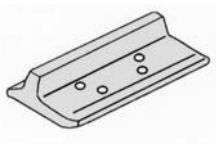
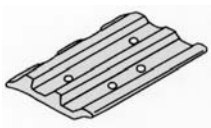
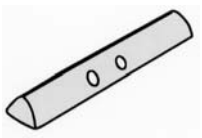
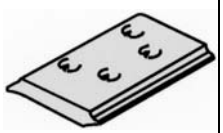
**NOTE:** Select the proper shoe width for your customers, by taking the limitations described above into consideration, (especially on wide shoes "B" and "C").
Select the narrowest possible shoes, depending on the flotation and ground pressure of the machines. If the shoe is too wide, the load on the track shoe increases and results in bends in the shoes, cracks in the links, breakage and slipping out of the pins and loosening of the bolts.


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Applications of different shoes in accordance with soil characteristics and working conditions.

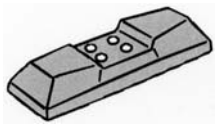
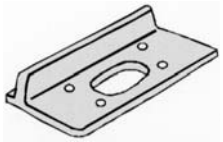
| Type of shoe | Applicable soil and work | Advantages | Disadvantages | Remarks |
|---|---|---|---|---|
| 1 Single grouser shoe  | General soil excluding rocky ground (for bulldozer) | • Because the shape of the grouser is sharp, it easily bites into the ground and provides a large traction force. | • Strength is somewhat reduced on rocky ground, and bending and other damage may occur.<br>• The riding conform is a little inferior to the triple and double grouser shoes.<br>• The road surface is liable to be roughed.<br>• The turning resistance is large. | Is available in various widths to suit the softness of the soil. |
| 2 Heavy duty shoe  | For rocky ground (for bulldozer) | • Compared to a single grouser shoe, the grouser and plate portions of this shoe are thicker and stronger, providing high bending resistance and wear resistance. | | |
| 3 • Tripple grouser shoe<br>• Double grouser shoe  | Hard ground<br>Suitable for both soft and hard ground (for hydraulic excavator and dozer shovel) | • The three grousers have the same height, hence turning ability is good.<br>• Good riding comfort is obtained as compared with a single grouser shoe.<br>• Rotating resistance is low.<br>• Because three beams are used, resistance to bending is high. | • This shoe does not readily bite into the ground, so the traction force is low. | |
| 4 Swamp shoe  | Swamp areas (for swamp dozer) | • Because the cross-section of this shoe is an arc, the ground contact area is large, and buoyancy is easily obtained.<br>• This shoe is particularly suitable for use in swamp areas and areas with low ground pressure. The ground surface is not damaged when the machine travels over it, so it is suitable for soil compaction and leveling work. | • Unsuitable for ground other than swampy ground. When used off swampy ground, it is liable to bend due to its low strength. | Various widths are available to suit the degree of softness of the swampy ground. |
| 5 Snow shoe  | On snow | • For use on snow<br>• To prevent transverse slip<br>1) Is provided with rib.<br>2) Grousers are stepped.<br>• For discharging ice and snow<br>1) Holes are provided in plate portion.<br>2) Tail of plate has been eliminated. | • Wear and damage occur rapidly when this shoe is used on general soil and rocky ground. | |
| 6 Flat shoe  | Paved roads<br>Indoor work | • Projections have been eliminated (heads of shoe bolts are recessed), permitting work on paved roads without damaging road surface.<br>• Turning resistance is very low, and tracks are highly wear resistant. | • Because there are no grousers, this shoe does not bite into the ground. | |



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| Type of shoe | Applicable soil and work | Advantages | Disadvantages | Remarks |
|---|---|---|---|---|
| 7 Road liner (rubber)  | Paved road<br>Indoor work | • The surface of the shoe in contact with the ground is made of rubber, so the machine can travel on paved roads without damaging the road surface.<br>• Prevents noise when machine is traveling. | • Use in the following places will shorten the cutting life of the rubber.<br>(1) Rocky ground<br>(2) Cold areas (below -25ºC)<br>(3) Hot areas (above 65ºC)<br>• Because there are no grouser, this shoe does not bite into the ground. | |
| 8 Center hole shoe  | Soil which clogs | • There is a hole in the plate to remove any mud or soil.<br>• The sprocket removes any mud or soil collected between the track rails, so clogging of the track is reduced. | • Strength is somewhat reduced on rocky ground, and crack and other damage may occur. | |



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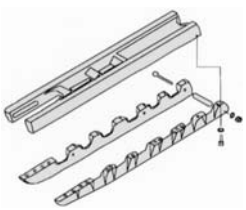
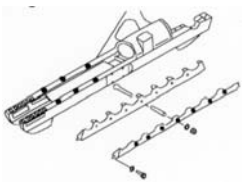
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# Roller guard installation (Bulldozer)

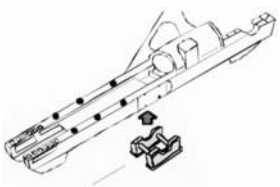
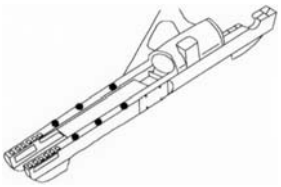
## ■ Small-middle Class

When using bulldozers, it is necessary to make most appropriate choices of the track roller guards fitting to respective working environments. Given below are the criterion for the choices.

This chart provides clearer criterion for the choices in consideration of respective functions of different types of track roller guards.

| Types / Determination criterion for different working environments | Full roller guard | |
|---|---|---|
| | Integral structure full roller guard  | 3-part split type full roller guard  Local add-on type |
| Rocks and soil containing boulders and gravel (A and E) | The part is effective for prevention of catching pebbles. | |
| Sand and sandy soil (A, E and P) | The part is effective for prevention of pitch squeaking. | |
| Clayey soil (P and PL) | Be careful when using this part since the soil sets when dried. (Note 1) | |
| Swamp (PL and PLL) | The part is effective for prevention of snaking of the track. (Prevents side sliding of the track shoes.) (Note 1) The part is effective for prevention of disengagement of the track shoes. | |
| Slopes | The part is effective for prevention of disengagement of the track shoes. (Prevents side-sliding of the track shoes.) | |

(Note 1) Although soil and sand tend to enter less, once they enter, they may not be easily discharged depending on the type of soil, so make the choice in consideration of past experience with machines having been used in the subject area and of the working environments of the machine.

| Types / Determination criterion for different working environments | Not full roller guard | |
|---|---|---|
| | Center and end section track guard  Short length guard for installation at the center section | End section track guard  |
| Rocks and soil containing boulders and gravel (A and E) | The part is not suitable | The part is not suitable |
| Sand and sandy soil (A, E and P) | No noticeable difference from use of the end-section only track guard | Although sand and soil tend to enter more, they can be easily discharged and this part is being employed. |
| Clayey soil (P and PL) | The part is effective for prevention of disengagement or side-sliding of the track shoes | |
| Swamp (PL and PLL) | | |
| Slopes | The part is not suitable | The part is not suitable |

**NOTE:** Please consult your local distributor for availability of track rollers guard for the model that you require.

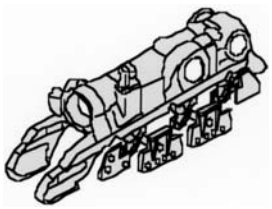
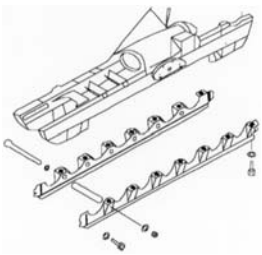

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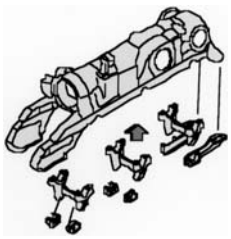
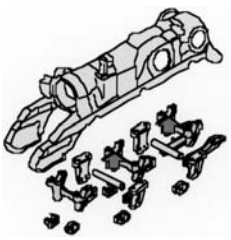
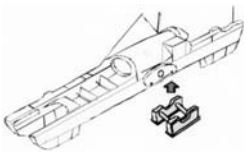

## ■ Large Class

When using bulldozers, it is necessary to make most appropriate choices of the track roller guards fitting to respective working environments. Given below are the criterion for the choices.

This chart provides clearer criterion for the choices in consideration of respective functions of different types of track roller guards.

| Types / Determination criterion for different working environments | Full roller guard | |
|---|---|---|
| | Bogie full roller guard  | Split type full roller guard  |
| Rocks and soil containing boulders and gravel (A and E) | The part is effective for prevention of catching pebbles. | |
| Sand and sandy soil (A, E and P) | The part is effective for prevention of pitch squeaking. | |
| Clayey soil (A, E and P) | Be careful when using this part since the soil sets when dried. (Note 1) | |
| Slopes | The part is effective for prevention of disengagement of the track shoes. (Prevents side-sliding of the track shoes.) | |

(Note 1) Although soil and sand tend to enter less, once they enter, they may not be easily discharged depending on the type of soil, so make the choice in consideration of past experience with machines having been used in the subject area and of the working environments of the machine.

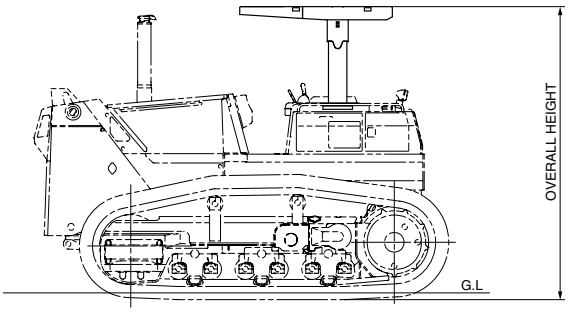
| Types / Determination criterion for different working environments | Not full roller guard | | |
|---|---|---|---|
| | Bogie roller guard  | Add-on full roller guard  | Center end section track guard  |
| Rocks and soil containing boulders and gravel (A and E) | Although sand and soil tend to enter more, they can be easily discharged and this part is being employed. | The part prevents stones from entering between rollers on the rocky soil | The part is not suitable |
| Sand and sandy soil (A, E and P) | The part is effective for prevention of disengagement or side-sliding of the track shoes. | | Although sand and soil tend to enter more, they can be easily discharged and this part is being employed. The part is effective for prevention of disengagement or side-sliding of the track shoes. |
| Clayey soil (A, E and P) | | | |
| Slopes | The part is not suitable | | The part is not suitable |

**NOTE:** Please consult your local distributor for availability of track rollers guard for the model that you require.


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| Item / Mode | Weight kg (lb) | | | Overall height mm (ft.in) | | |
|---|---|---|---|---|---|---|
| | Canvas or plastic canopy | *ROPS canopy | *ROPS cab | Canvas or plastic canopy | ROPS canopy | ROPS cab |
| D21A-8E0 | 70 (150) | 310 (680) | 566 (1,250) | 2475 (8'1") | 2450 (8') | 2450 (8') |
| D21P-8E0 | | | | 2500 (8'2") | 2475 (8'1") | 2475 (8'1") |
| D31EX-22 | — | 310 (680) | 650 (1,430) | — | 2760 (9'1") | 2760 (9'1") |
| D31PX-22 | | | | | | |
| D37EX-22 | — | 310 (680) | 650 (1,430) | — | 2760 (9'1") | 2760 (9'1") |
| D37PX-22 | | | | | | |
| D37EX-23 | — | — | — | — | — | 2775 (9'1") |
| D37PX-23 | | | | | | |
| D39EX-22 | — | 330 (730) | 670 (1,480) | — | 2825 (9'3") | 2825 (9'3") |
| D39PX-22 | | | | | | |
| D39EX-23 | — | — | — | — | — | 2845 (9'5") |
| D39PX-23 | | | | | | |
| D51EX-22 | — | — | 1716 (3783)*5 | — | — | 3002 (9'10") |
| D51PX-22 | | | | | | |
| D61EX-15E0 | — | 390 (860)*** | 710 (1,565)*4 | — | 3150 (10'4") | 3150 (10'4") |
| D61PX-15E0 | | | | | | |
| D61EX-23 | — | — | — | — | — | 3180 (10'5") |
| D61PX-23 | | | | | | |
| D63E-12 | — | 250 (550) | 285 (630) | — | 3140 (10'4") | 3025 (9'11") |
| D65E, P-12 | 140 (310) | 420 (930)*** | 760 (1,675)*4 | 2995 (9'10") | 3165 (10'5") | 3165 (10'5") |
| D65EX-16 | — | 390 (860)*** | 810 (1,790)*6 | — | 3155 (10'4") | 3155 (10'4") |
| D65PX-16 | | | | | | |
| D65WX-16 | | | | | | |
| D65EX-17<br>D65PX-17<br>D65WX-17 | — | — | — | — | — | 3155 (10'4") |
| D85ESS-2A | 140 (310) | 420 (930)*** | 760 (1675)*4 | 2995 (9'10") | 3160 (10'4") | 3160 (10'4") |
| D85EX-15E0 | — | 437 (970)*** | 781 (1730)*4 | — | 3340 (10'11") | 3324 (10'11") |
| D85EX-15R | | | | | | |
| D85PX-15E0 | | | | | | |
| D85PX-15R | | | | | | |
| D155A-5 | — | 505 (1,110)*** | 790 (1,740) | — | 3500 (11'6") | 3500 (11'6") |
| D155A-6 | — | — | 430 (950) | — | 3395 (11'2") | 3395 (11'2") |
| D155AX-6 | — | — | 700 (1545) | — | — | 3395 (11'2") |
| D155AX-7 | — | — | 1340 (2,954) | — | — | 3390 (11'1") |
| D275A-5 | — | 650 (1,430)*** | 1065 (2,350)*4 | — | 3990 (13'1") | — |
| D275A-5R | | | | | | |
| D375A-6 | — | — | — | — | 3990 (13'1") | — |
| D375A-6R | — | — | — | — | 4230 (13'11") | — |
| D275AX-5E0 | — | — | 1060 (2,340)*** | — | 4285 (14'1") | — |
| D375A-5 | — | 760 (1,680)*** | 1175 (2,590)*4 | — | 4285 (14'1") | — |
| D375A-5E0 | — | — | 1270 (2800)*** | — | 4235 (13'11") | — |
| D475A-5E0 | — | — | 1395 (3070)*** | — | 4646 (15'3") | — |
| D475ASD-5E0 | | | | | | |
| D575A-3 | — | 1970 (4,340)*** | 2450 (5,400)*** | — | 4880 (16'0") | — |
| D575A-3 SD | | | | | | |

* : With ROPS brackets, except D65-12 and D85ESS-2A
** : With inside power angle-tilt dozer
*** : Two-pole type
*4 : ROPS & steel cab
*5 : Include floor sheet and air conditioner
*6 : Include floor sheet



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## MEMO

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SECTION 1B

# BULLDOZERS

## CONTENTS


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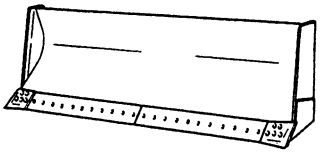



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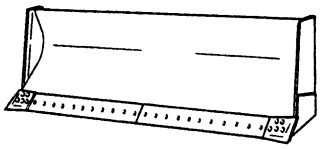

### Straight-tilltdozer

Having a high HP/ cutting edge length, this blade has an aggressive penetration. This blade also has a high HP/loose cubic yards for easy handling of heavy materials. The tilting function of this blade increases production and versatility. With a sturdy construction, this blade is suitable for powerful cutting and dozing, especially heavy cutting on rocky ground.



### Straight dozer

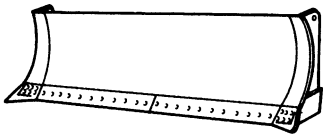
This blade has the same structure and functions but is not equipped with a tilt-cylinder.



### Angle dozer

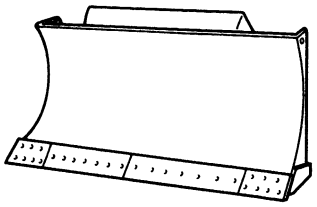
The blade can be set straight or angled to both sides. Plowing earth or snow to one side is possible by angling the blade.

Useful for road construction, back filling etc.



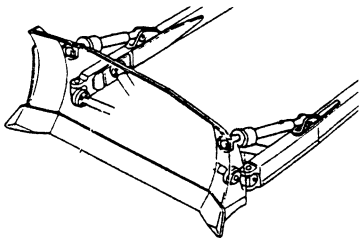
### Power angle-tiltdozer

Power angling and tilting of the blade are possible from the operator seat. This blade is applicable for versatile works such as grading, back filling, spreading and light land clearing



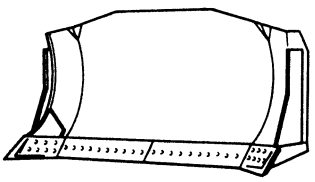
### Dual tiltdozer

The blade has two tilt cylinders on both sides. An optimum blade cutting angle for all types of materials and ground inclinations can be selected for increased loads and consequently increased production. A fast tilt speed and a large tilt angle also concentrate blade force where maximum penetration is needed.



### Semi-U-tiltdozer

The blade combines penetration ability of straight blade with increased load capacity provided by short wings which include only the end bits.




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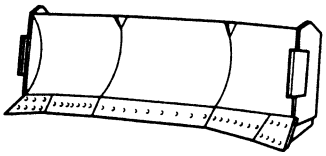
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### U-tiltdozer

The wings on this blade minimize material spillage.

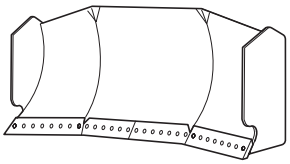
Since this blade has a lower HP/loose cubic yards than a straight-tiltdozer, this blade is suitable for moving lighter or loose materials over long distances.

Suitable works are land reclamation, stockpiling and other similar jobs.



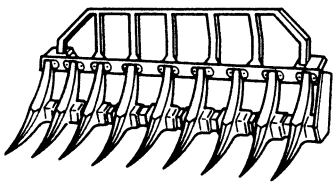
### Coal dozer

Specialized blade for pushing coal, with larger width and deep angled wings.



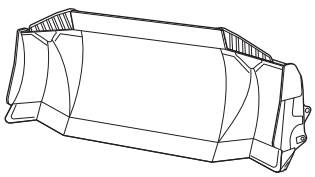
### Rake dozer

Having teeth, this blade provides good penetration into the soil for removal of stumps, roots and rocks.



### SIGMADOZER

A new frontal design concept adopted for digging and rolling up at the center of the blade increases soil holding capacity, simultaneously reducing sideway spillage. Reduced digging resistance produces smoother flow of earth, enabling the dozing of large quantities of soil with less power.




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| Model | D21-8E0 | | D31-22 | | D37-22 | | D37-23 | | D39-22 | | D39-23 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Attachment** | A | P | EX | PX | EX | PX | EX | PX | EX | PX | EX | PX |
| Straight-tiltdozer | | | | | | | | | | | | |
| Strengthened straight-tiltdozer | | | | | | | | | | | | |
| Straight dozer | | | | | | | | | | | | |
| Strengthened straight dozer | | | | | | | | | | | | |
| Angle dozer | | | | | | | | | | | | |
| Strengthened angle dozer | | | | | | | | | | | | |
| Power angle-tiltdozer | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| PAT (Narrow blade) | | | | | | | | ○ | | | | ○ |
| Wide power angle-tiltdozer | | | | | | | | | | | | |
| Mechanical angle power tiltdozer | | | | | | | | | | | | |
| Semi-U-tiltdozer | | | | | | | | | | | | |
| Strengthened semi-U-tiltdozer | | | | | | | | | | | | |
| U-tiltdozer | | | | | | | | | | | | |
| Mechanical tilt coal dozer | | | | | | | | | | | | |
| Power tilt coal dozer | | | | | | | | | | | | |
| Welded type pusher plate | | | | | | | | | | | | |
| Bolt-on type pusher plate | | | | | | | | | | | | |
| Angle-rakedozer | | | | | | | | | | | | |
| Straight-rakedozer | | | | | | | | | | | | |
| Shear blade | | | | | | | | | | | | |
| Trimming dozer | | | | ○ | | | | | | | | |
| Straight-rock rake dozer | | | | | | | | | | | | |
| Power tilt and pitch dozer | | | | | | | | | | | | |

| Model | D51-22 | | D61-15E0 | | D61-23 | | D63-12 | D65-12 | |
|---|---|---|---|---|---|---|---|---|---|
| **Attachment** | EX | PX | EX | PX | EX | PX | E | E | P |
| Straight-tiltdozer | | | | | | | ○ | ○ | ○ |
| Strengthened straight-tiltdozer | | | | | | | | | |
| Straight dozer | | | | | | | | | |
| Strengthened straight dozer | | | | | | | | | |
| Angle dozer | | | | | | | | ○ | |
| Strengthened angle dozer | | | | | | | | ○ | |
| Power angle-tiltdozer | ○ | ○ | ○ | ○ | ○ | ○ | | | |
| Wide power angle-tiltdozer | ○ | | ○ | | | | | | |
| Mechanical angle power tiltdozer | | | | | | | | | |
| Semi-U-tiltdozer | | | ○ | | | | ○ | ○ | |
| Strengthened semi-U-tiltdozer | | | | | | | | | |
| U-tiltdozer | | | | | | | | | |
| Strengthened U-tiltdozer | | | | | | | | | |
| Mechanical tilt coal dozer | | | | | | | | | |
| Power tilt coal dozer | | | | | | | | | |
| Welded type pusher plate | | | | | | | | | |
| Bolt-on type pusher plate | | | | | | | | | |
| Angle-rake dozer | | | | | | | | | |
| Straight-rake dozer | | | | | | | | ○ | |
| Shear blade | | | | | | | | | |
| Trimming dozer | | | | | | | ○ | ○ | |
| Straight rock rake dozer | | | | | | | | | |
| Semi-U-dual tiltdozer | | | | | | | | | |
| Strengthened semi-U-dual tiltdozer | | | | | | | | | |
| U-dual tiltdozer | | | | | | | | | |
| Strengthened U-dual tiltdozer | | | | | | | | | |
| Power tilt power pitch dozer | | | | | | | | | ○ |
| SIGMADOZER | | | | | | | | | |
| Sigma power-pitch dozer | | | | | | | | | |



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| Model / Attachment | D65-16 | | D65-17 | | | D68-12 | D85-2 |
|---|---|---|---|---|---|---|---|
| | EX | PX | EX | PX | WX | ESS | ESS |
| Straight-tiltdozer | ○ | ○ | ○ | ○ | | | |
| Strengthened straight-tiltdozer | | | | | | | |
| Straight dozer | | | | | | | |
| Strengthened straight dozer | | | | | | | |
| Angle dozer | ○ | | ○ | | | ○ | ○ |
| Strengthened angle dozer | | | | | | | |
| Power angle-tiltdozer | ○ | ○ | ○ | ○ | ○ | ○ | |
| Wide power angle-tiltdozer | | | | | | | |
| Mechanical angle power tiltdozer | | | | | | | |
| Semi-U-tiltdozer | ○ | | | | | | |
| Strengthened semi-U-tiltdozer | | | | | | | |
| U-tiltdozer | | | | | | | |
| Strengthened U-tiltdozer | | | | | | | |
| Mechanical tilt coal dozer | | | | | | | |
| Power tilt coal dozer | | | | | | | |
| Welded type pusher plate | | | | | | | |
| Bolt-on type pusher plate | | | | | | | |
| Angle-rake dozer | | | | | | | |
| Straight-rake dozer | | | | | | | |
| Shear blade | | | | | | | |
| Trimming dozer | | | | | | | |
| Straight rock rake dozer | | | | | | | |
| Semi-U-dual tiltdozer | | | | | | | |
| Strengthened semi-U-dual tiltdozer | | | | | | | |
| U-dual tiltdozer | | | | | | | |
| Strengthened U-dual tiltdozer | | | | | | | |
| Power tilt power pitch dozer | | ○ | | ○ | | | |
| SIGMADOZER | ○ | | ○ | | ○ | | |
| Sigma power-pitch dozer | ○ | | ○ | | ○ | | |



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| Model | D85-2A | D85-15E0 D85-15R | | D155-5 | D155-6 | | D155-7 | D275-5 | D275-5E0 |
|---|---|---|---|---|---|---|---|---|---|
| **Attachment** | ESS | EX | PX | A | A | AX | AX | A | AX |
| Straight-tiltdozer | ○ | ○ | ○ | | | | | | |
| Strengthened straight-tiltdozer | | | | | | | | | |
| Straight dozer | | | | | | | | | |
| Strengthened straight dozer | | | | | | | | | |
| Angle dozer | ○ | ○ | | ○ | ○ | ○ | | | |
| Strengthened angle dozer | | | | | | | | | |
| Power angle-tiltdozer | | | | | | | | | |
| Mechanical angle power tiltdozer | | ○ | | | | | | | |
| Semi-U-tiltdozer | ○ | ○ | | ○ | ○ | ○ | ○ | ○ | ○ |
| Strengthened semi-U-tiltdozer | | | | ○ | ○ | ○ | ○ | ○ | ○ |
| U-tiltdozer | | | | ○ | ○ | ○ | ○ | ○ | ○ |
| Strengthened U-tiltdozer | | | | ○ | ○ | ○ | ○ | ○ | ○ |
| Mechanical tilt coal dozer | | | | | | | | | |
| Power tilt coal dozer | | | | ○ | ○ | ○ | | | |
| Welded type pusher plate | | | | ○ | ○ | ○ | ○ | ○ | ○ |
| Bolt-on type pusher plate | | | | | | | | | |
| Angle-rake dozer | | | | | | | | | |
| Straight-rake dozer | | | | ○ | | | | | |
| Shear Blade | | | | | | | | | |
| Trimming dozer | | ○ | | | | | | | |
| Straight rock rake dozer | | | | ○ | | | | ○ | |
| Semi-U-dual tiltdozer | | | | | | ○ | | ○ | ○ |
| Strengthened semi-U-dual tiltdozer | | | | | | ○ | ○ | ○ | ○ |
| U-dual tiltdozer | | | | | | ○ | | ○ | ○ |
| Strengthened U-dual tiltdozer | | | | | | ○ | ○ | ○ | ○ |
| Super dozer | | | | | | | | | |
| SIGMADOZER | | | | | ○ | ○ | ○** | | |
| Strengthened SIGMADOZER | | | | | ○ | ○ | ○** | | |
| Dual SIGMADOZER | | | | | ○ | ○ | ○** | | |
| Strengthened dual SIGMADOZER | | | | | | ○ | ○ | | ○ |

| Model | D275-5R | D375-5 | D375-5R | D375-6R D375-6 | D475-5E0 | | D575-3 | |
|---|---|---|---|---|---|---|---|---|
| **Attachment** | A | A | A | A | A | A-5SD | A | A-3SD |
| Semi-U-tiltdozer | ○ | ○ | ○ | ○ | | | ○ | |
| Strengthened semi-U-tiltdozer | ○ | ○ | ○ | ○ | ○ | | ○ | |
| U-tiltdozer | ○ | ○ | ○ | | | | ○ | |
| Strengthened U-tiltdozer | ○ | ○ | ○ | ○* | ○ | | ○ | |
| Mechanical tilt coal dozer | | | | | | | | |
| Power tilt coal dozer | | | | | ○ | | | |
| Welded type pusher plate | ○ | ○ | ○ | ○ | ○ | | | |
| Bolt-on type pusher plate | | | | | | | | |
| Angle-rake dozer | | | | | | | | |
| Straight-rake dozer | | | | | | | | |
| Shear Blade | | | | | | | | |
| Trimming dozer | | | | | | | | |
| Straight rock rake dozer | ○ | | | | | | | |
| Dual tilt semi-U-dozer | ○ | ○ | ○ | ○ | | | ○ | |
| Strengthened dual tilt semi-U-dozer | ○ | ○ | ○ | ○ | ○ | | ○ | |
| U-dual tiltdozer | ○ | ○ | ○ | | | | ○ | |
| Strengthened dual tilt U-dozer | ○ | ○ | ○ | ○* | ○ | | ○ | |
| Super dozer | | | | | | ○ | | ○ |
| SIGMADOZER | | | | | | | | |
| Strengthened SIGMADOZER | ○ | | | | | | | |
| Dual SIGMADOZER | | | | | | | | |
| Strengthened dual SIGMADOZER | ○ | | | | | | | |

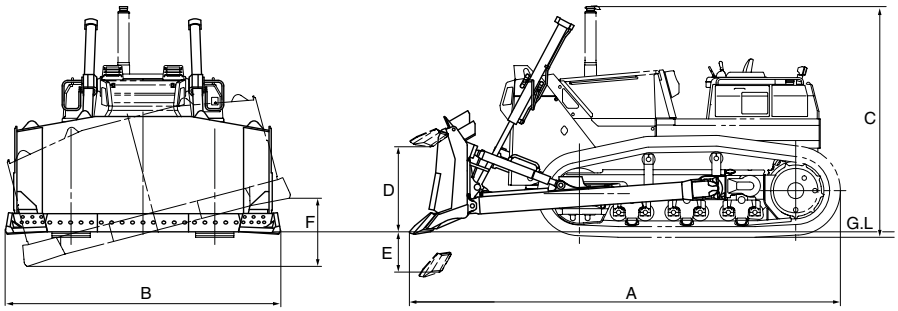
* : With spill guard
** : These are available as optional settings, but strengthened dual SIGMADOZER is recommended.



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| Item | | Model | D63E-12*** | D65E-12 | D65P-12 | D65EX-16 |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 16615 (36,630) | 17620 (38,850) | 18970 (41,820) | 19180 (42,280) |
| BLADE CAPACITY | LH2** | $m^3$ ($yd^3$) | 3.87 (5.06) | 5.12 (6.70) | 4.80 (6.28) | 5.12 (6.70) |
| | SAE | | 3.00 (3.92) | 3.89 (5.09) | 3.69 (4.83) | 3.89 (5.09) |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 5065 (16'7") | 5260 (17'3") | 5550 (18'3") | 5420 (17' 9") |
| B | Overall width | mm (ft.in) | 3200 (10'6") | 3415 (11'2") | 3970 (13') | 3415 (11' 2") |
| C | Overall height | mm (ft.in) | 2765 (9'1") | 2980 (9'9") | 3025 (9'11") | 3155 (10'4") |
| | Ground pressure | $kg/cm^2$ (PSI) | 0.54 (7.67) | 0.65 (9.24) | 0.32 (4.55) | 0.63 (8.98) |
| DOZER EQUIPMENT | | | | | | |
| | Weight (Includes hydraulic control unit) | kg (lb) | 1970 (4,340) | 2600 (5,730) | 2620 (5,780) | 2060 (4540) |
| | Length | mm (ft.in) | 3200 (10'6") | 3415 (11'2") | 3970 (13') | 3415 (11' 2") |
| | Height | mm (ft.in) | 1100 (3'7") | 1225 (4'1") | 1100 (3'7") | 1225 (4'0") |
| D | Max. lift above ground | mm (ft.in) | 1005 (3'4") | 1100 (3'7") | 1200 (3'11") | 1100 (3' 7") |
| E | Max. drop below ground | mm (ft.in) | 460 (1'6") | 450 (1'6") | 445 (1'6") | 435 (1' 5") |
| F | Max. tilting adjustment | mm (ft.in) | 600 (2'3") | 870 (2'10") | 890 (2'11") | 870 (2'10") |
| | Digging angle | degree | 56 | 55 | 57 | 55 |
| UPPER ATTACHMENT | | | - | - | - | ROPS cab |

| Item | | Model | D65PX-16 | D65EX-17 | D65PX-17 | D85ESS-2A |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 20990 (46,270) | 19350 (42,660) | 21160 (46,650) | 18230 (40,190) |
| BLADE CAPACITY | LH2** | $m^3$ ($yd^3$) | 4.80 (6.28) | 5.12 (6.70) | 4.80 (6.28) | 6.1 (7.98) |
| | SAE | | 3.69 (4.83) | 3.89 (5.09) | 3.69 (4.83) | 4.4 (5.76) |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 5825 (19'1") | 5330 (17'6") | 5680 (18'8") | 5615 (18'5") |
| B | Overall width | mm (ft.in) | 3970 (13'0") | 3415 (11'2") | 3970 (13'0") | 3620 (11'11") |
| C | Overall height | mm (ft.in) | 3155 (10'4") | 3155 (10'4") | 3155 (10'4") | 2980 (9'9") |
| | Ground pressure | $kg/cm^2$ (PSI) | 0.35 (4.98) | 0.64 (9.10) | 0.35 (4.98) | 0.60 (8.53) |
| DOZER EQUIPMENT | | | | | | |
| | Weight (Includes hydraulic control unit) | kg (lb) | 2100 (4,630) | 2060 (4,540) | 2100 (4,630) | 2810 (6,190) |
| | Length | mm (ft.in) | 3970 (13'0") | 3415 (11'2") | 3970 (13'0") | 3620 (11'11") |
| | Height | mm (ft.in) | 1100 (3'7") | 1225 (4'0") | 1100 (3'7") | 1295 (4'3") |
| D | Max. lift above ground | mm (ft.in) | 1125 (3'8") | 1100 (3'7") | 1125 (3'8") | 1070 (3'6") |
| E | Max. drop below ground | mm (ft.in) | 540 (1'9") | 435 (1'5") | 540 (1'9") | 590 (1'11") |
| F | Max. tilting adjustment | mm (ft.in) | 890 (2'11") | 870 (2'10") | 890 (2'11") | 920 (3') |
| | Digging angle | degree | 55 | 55 | 55 | 55 |
| UPPER ATTACHMENT | | | ROPS cab | ROPS cab | ROPS cab | - |

* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab
** : L: Blade length H: Blade height
*** : for Russia



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| Item | | Model | D85EX-15E0 | D85EX-15R | D85PX-15E0 | D85PX-15R |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 24550 (54,120) | 24450 (53,900) | 26870 (59,240) | 26780 (59,040) |
| BLADE CAPACITY LH[2]** | | $m^3$ ($yd^3$) | 7.66 (10.02) | 7.66 (10.02) | 8.19 (10.72) | 8.19 (10.72) |
| SAE | | | 5.2 (6.8) | 5.2 (6.8) | 5.9 (7.7) | 5.9 (7.7) |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 5640 (18'6") | 5640 (18'6") | 6065 (19'11") | 6065 (19'11") |
| B | Overall width | mm (ft.in) | 3715 (12'2") | 3715 (12'2") | 4365 (14'4") | 4365 (14'4") |
| C | Overall height | mm (ft.in) | 3330 (10'11") | 3330 (10'11") | 3330 (10'11") | 3330 (10'11") |
| | Ground pressure | $kg/cm^2$ (PSI) | 0.72 (10.21) | 0.72 (10.21) | 0.42 (6.03) | 0.42 (5.97) |
| DOZER EQUIPMENT | | | | | | |
| | Weight (Includes hydraulic control unit) | kg (lb) | 3329 (7,343) | 3329 (7,343) | 3366 (7,421) | 3366 (7,421) |
| | Length | mm (ft.in) | 3715 (12'2") | 3715 (12'2") | 4365 (14'4") | 4365 (14'4") |
| | Height | mm (ft.in) | 1436 (4'9") | 1436 (4'9") | 1370 (4'6") | 1370 (4'6") |
| D | Max. lift above ground | mm (ft.in) | 1210 (4') | 1210 (4') | 1230 (4') | 1230 (4'0") |
| E | Max. drop below ground | mm (ft.in) | 540 (1'9") | 540 (1'9") | 570 (1'10") | 570 (1'10") |
| F | Max. tilting adjustment | mm (ft.in) | 750 (2'6") | 750 (2'6") | 500 (1'8") | 500 (1'8") |
| | Digging angle | degree | 55 | 55 | 55 | 55 |
| UPPER ATTACHMENT | | | - | - | - | - |

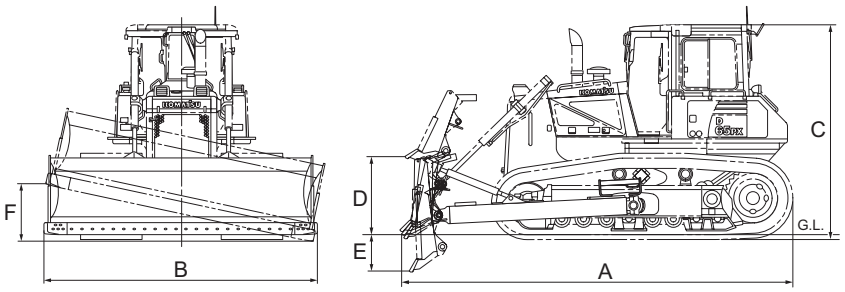
* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab
** : L: Blade length H: Blade height
*** : for Russia



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FVBH0456

| Item | | Model | D65P-12 | D65PX-16 | D65PX-17 | |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 19670 (43,360) | 21050 (46,410) | 21220 (46,780) | |
| BLADE CAPACITY | LH[2]** | $m^3$ ($yd^3$) | 4.80 (6.28) | 4.80 (6.28) | 4.80 (6.28) | |
| | SAE | | 3.69 (4.83) | 3.69 (4.83) | 3.69 (4.83) | |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 5520 (18'1") | 5680 (18'8") | 5825 (19'1") | |
| B | Overall width | mm (ft.in) | 3970 (13'0") | 3970 (13'0") | 3970 (13'0") | |
| C | Overall height | mm (ft.in) | 2990 (9'10") | 3155 (10'4") | 3155 (10'4") | |
| | Ground pressure | $kg/cm^2$ (PSI) | 0.33 (4.69) | 0.35 (4.98) | 0.35 (4.98) | |
| DOZER EQUIPMENT | | | | | | |
| | Weight (Includes hydraulic control unit) | kg (lb) | 2730 (6,020) | 2160 (4,760) | 2160 (4,760) | |
| D | Length | mm (ft.in) | 3970 (13'0") | 3970 (13'0") | 3970 (13'0") | |
| | Height | mm (ft.in) | 1100 (3'7") | 1100 (3'7") | 1100 (3'7") | |
| E | Max. lift above ground | mm (ft.in) | 1105 (3'8") | 1125 (3'8") | 1125 (3'8") | |
| | Max. drop below ground | mm (ft.in) | 540 (1'9") | 540 (1'9") | 540 (1'9") | |
| F | Max. tilting adjustment | mm (ft.in) | 890 (2'11") | 890 (2'11") | 890 (2'11") | |
| | Digging angle (Available stepless angle adjustment) | degree | 50 to 66 | 49 to 61 | 55 | |
| UPPER ATTACHMENT | | - | - | ROPS cab | ROPS cab | |

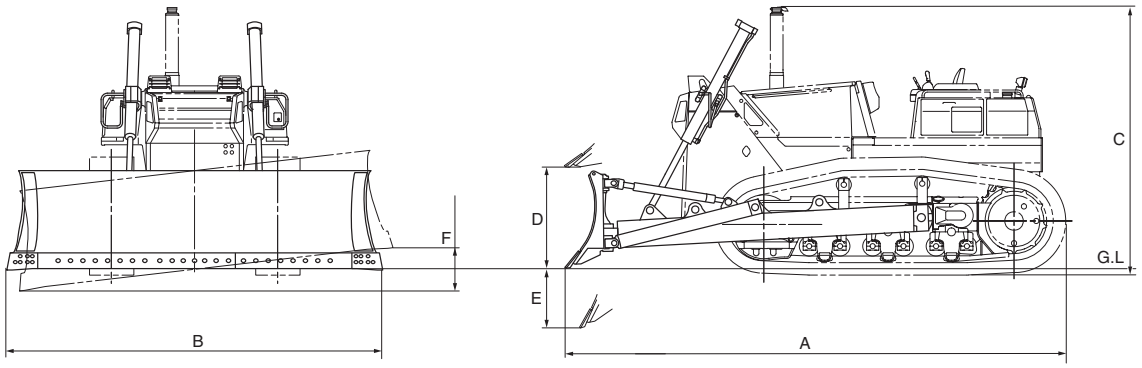
* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab
** : L: Blade length H: Blade height



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| Item | | Model | D65E-12 | D65EX-16 | D65EX-17 | D68ESS-12 |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 17690 (39,000) | 19320 (42,590) | 19490 (42,970) | 16940 (37,350) |
| BLADE CAPACITY | LH[2]** | $m^3$ ($yd^3$) | 4.80 (6.28) | 4.80 (6.28) | 4.80 (6.28) | 3.6 (4.71) |
| | SAE | | 3.55 (4.64) | 3.55 (4.64) | 3.55 (4.64) | 2.6 (3.40) |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 5470 (17'11") | 5630 (18'6") | 5540 (18'2") | 5930 (19'5") |
| B | Overall width | mm (ft.in) | 3970 (13') | 3970 (13'0") | 3970 (13'0") | 3970 (13') |
| C | Overall height | mm (ft.in) | 2980 (9'9") | 3155 (10'4") | 3155 (10'4") | 3140 (10'4") |
| | Ground pressure | $kg/cm^2$ (PSI) | 0.65 (9.2) | 0.64 (9.10) | 0.64 (9.10) | 0.54 (7.68) |
| DOZER EQUIPMENT | | | | | | |
| | Weight (Includes hydraulic control unit) | kg(lb) | 2820 (6,220)<br>2930 (6,460) | 2200 (4,850) | 2200 (4,850) | 2660 (5,860) |
| | Length | mm (ft.in) | 3970 (13') | 3970 (13'0") | 3970 (13'0") | 3970 (13') |
| | Height | mm (ft.in) | 1100 (3'7") | 1100 (3' 7") | 1100 (3' 7") | 950 (3'1") |
| D | Max. lift above ground | mm (ft.in) | 1180 (3'10") | 1175 (3'10") | 1175 (3'10") | 1205 (3'11") |
| E | Max. drop below ground | mm (ft.in) | 460 (1'6") | 445 (1' 6") | 445 (1' 6") | 535 (1'9") |
| F | Max. tilting adjustment | mm (ft.in) | 400 (1'4") | 400 (1' 4") | 400 (1' 4") | 400 (1'4") |
| | Digging angle | degree | 56.5 | 56 | 56 | 55 |
| UPPER ATTACHMENT | | - | - | ROPS cab | ROPS cab | - |

| Item | | Model | D85ESS-2 | D85ESS-2A | D85EX-15E0 | D85EX-15R |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 19170 (42,260) | 18850 (41,560) | 24804 (54,680) | 24704 (54,460) |
| BLADE CAPACITY | LH[2]** | $m^3$ ($yd^3$) | 5.0 (6.54) | 5.0 (6.54) | 5.8 (7.6) | 5.8 (7.6) |
| | SAE | | 3.4 (4.45) | 3.4 (4.45) | 4.0 (5.2) | 4.0 (5.2) |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 5930 (19'5") | 5930 (19'5") | 6035 (19'10") | 6035 (19'10") |
| B | Overall width | mm (ft.in) | 4370 (14'4") | 4370 (14'4") | 4515 (14'10") | 4515 (14'10") |
| C | Overall height | mm (ft.in) | 2560 (8'5") | 2980 (9'9") | 3330 (10'11") | 3330 (10'11") |
| | Ground pressure | $kg/cm^2$ (PSI) | 0.52 (7.39) | 0.62 (8.82) | 0.73 (10.39) | 0.72 (10.24) |
| DOZER EQUIPMENT | | | | | | |
| | Weight (Includes hydraulic control unit) | kg (lb) | 2890 (6,370) | 3430 (7,560) | 3584 (7,900) | 3584 (7,900) |
| | Length | mm (ft.in) | 4370 (14'4") | 4370 (14'4") | 4515 (14'10") | 4515 (14'10") |
| | Height | mm (ft.in) | 1070 (3'6") | 1070 (3'6") | 1130 (3'8") | 1130 (3'8") |
| D | Max. lift above ground | mm (ft.in) | 1255 (4'1") | 1255 (4'1") | 1170 (3'10") | 1170 (3'10") |
| E | Max. drop below ground | mm (ft.in) | 485 (1'7") | 485 (1'7") | 755 (2'6") | 755 (2'6") |
| F | Max. tilting adjustment | mm (ft.in) | 400 (1'4") | 400 (1'4") | 520 (1'8") | 520 (1'8") |
| | Digging angle | degree | 56 | 56 | 55 | 55 |
| UPPER ATTACHMENT | | - | - | - | - | - |

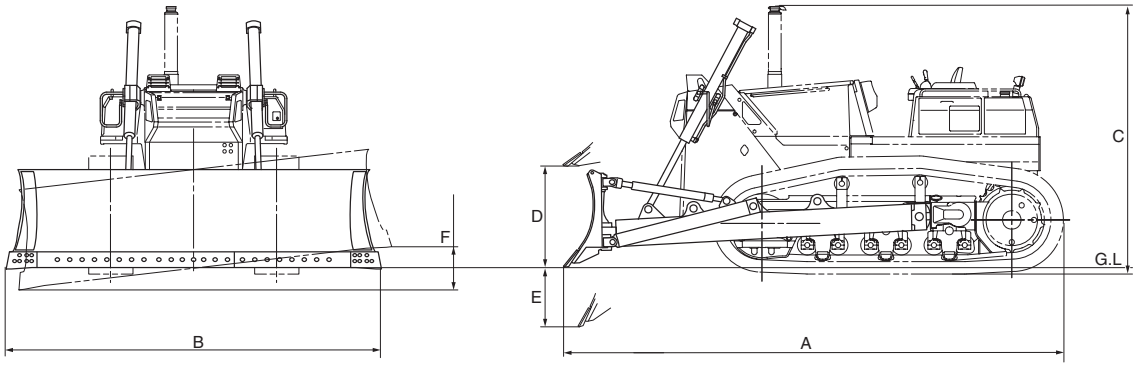
* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab
** : L: Blade length H: Blade height



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| Item | | Model / Unit | D155A-5 | D155AX-6 | D155A-6 | |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 33040 (72,840) | 36170 (79,750) | 37470 (82,610) | |
| BLADE CAPACITY | LH2** | $m^3$ ($yd^3$) | 7.04 (9.21) | 7.04 (9.21) | 6.64 (8.69) | |
| | SAE | | 4.9 (6.4) | 4.6 (6.0) | 4.6 (6.0) | |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 6502 (21'4") | 6743 (22'1") | 6580 (21'7") | |
| B | Overall width | mm (ft.in) | 4850 (15'11") | 4850 (15'11") | 4850 (15'11") | |
| C | Overall height | mm (ft.in) | 3395 (11'2") | 3385 (11'1") | 3385 (11'1") | |
| | Ground pressure | $kg/cm^2$ (PSI) | 0.92 (13.1) | 0.99 (14.02) | 1.06 (15.07) | |
| DOZER EQUIPMENT | | | | | | |
| | Weight (Includes hydraulic control unit) | kg (lb) | 5140 (11,330) | 5170 (11,400) | 5170 (11,400) | |
| | Length | mm (ft.in) | 4850 (15'11") | 4850 (15'11") | 4850 (15'11") | |
| | Height | mm (ft.in) | 1205 (3'11") | 1205 (3'11") | 1170 (3'10") | |
| D | Max. lift above ground | mm (ft.in) | 1295 (4'3") | 1562 (5'1") | 1560 (5'1") | |
| E | Max. drop below ground | mm (ft.in) | 745 (2'5") | 664 (2'2") | 660 (2'2") | |
| F | Max. tilting adjustment | mm (ft.in) | 520 (1'8") | 520 (1'8") | 520 (1'8") | |
| | Digging angle | degree | 55 | 56 | 56 | |
| UPPER ATTACHMENT | | | - | - | - | |

* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab
** : L: Blade length H: Blade height

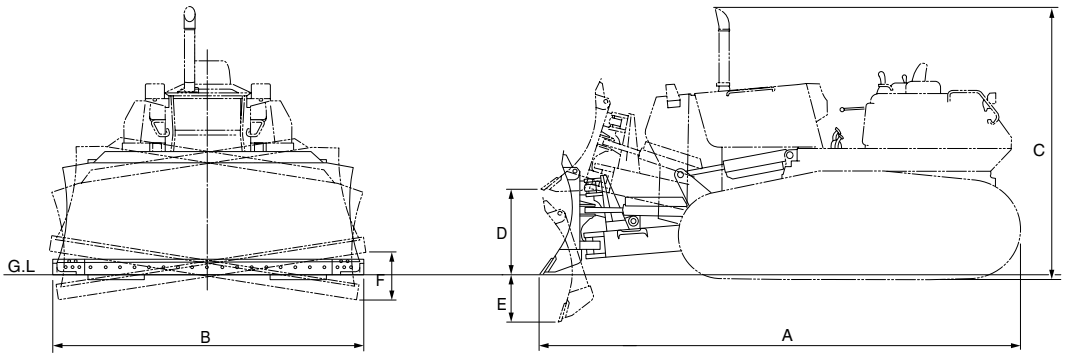


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# Blade Specifications
## Power Angle Tiltdozer




| Item | | Model | D21A-8E0 | D21P-8E0 | D31EX-22 | D31PX-22 |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 3710 (8,180) | 4100 (9,040) | 7670 (16,910) | 8130 (17,930) |
| BLADE CAPACITY LH[2]** | | $m^3$ ($yd^3$) | 0.76 (0.99) | 0.89 (1.16) | 1.80 (2.35) | 1.83 (2.39) |
| SAE | | | 0.57 (0.75) | 0.68 (0.89) | 1.61 (2.11) | 1.61 (2.11) |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 3250 (10'8") | 3260 (10'8") | 4175 (13'8") | 4155 (13'8") |
| B | Overall width | mm (ft.in) | 2170 (7'11") | 2560 (8'5") | 2550 (8'4") | 3250 (10'8") |
| C | Overall height | mm (ft.in) | 2315 (7'7") | 2335 (7'8") | 2760 (9'1") | 2760 (9'1") |
| | Ground pressure | $kg/cm^2$ (PSI) | 0.37 (5.26) | 0.24 (3.41) | 0.44 (6.26) | 0.31 (4.41) |
| DOZER EQUIPMENT | | | | | | |
| | Type | | Inside mount | Inside mount | Inside mount | Inside mount |
| | Weight (Includes hydraulic control unit) | kg (lb) | 550 (1,210) | 580 (1280) | 1100 (2,430) | 1220 (2,690) |
| | Length | mm (ft.in) | 2170 (7'11") | 2560 (8'5") | 2550 (8'4") | 3250 (10'8") |
| | Height | mm (ft.in) | 590 (1'11") | 590 (1'11") | 840 (2'9") | 750 (2'6") |
| D | Max. lift above ground | mm (ft.in) | 790 (2'7") | 850 (2'9") | 870 (2'10") | 860 (2'10") |
| E | Max. drop below ground | mm (ft.in) | 385 (1'3") | 325 (1'1") | 390 (1'3") | 380 (1'3") |
| F | Max. tilting adjustment | mm (ft.in) | 250 (9'8") | 280 (11") | 350 (1'2") | 440 (1'5") |
| | Angling angle (L/R) | degree | 25/25 | 25/25 | 25/25 | 25/25 |
| UPPER ATTACHMENT | | | - | - | ROPS canopy | ROPS canopy |

| Item | | Model | D37EX-22 | D37PX-22 | D37EX-23 | D37PX-23 |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 7890 (17,400) | 8240 (18,170) | 8340 (18,390) | 8640 (19,050) |
| BLADE CAPACITY LH[2]** | | $m^3$ ($yd^3$) | 2.00 (2.62) | 2.24 (3.52) | 2.03 (2.66) | 2.23 (2.92) |
| SAE | | | 1.77 (2.32) | 1.95 (2.55) | 1.91 (2.50) | 2.13 (2.79) |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 4190 (13'9") | 4175 (13'8") | 4275 (14'0") | 4275 (14'0") |
| B | Overall width | mm (ft.in) | 2710 (8'11") | 3250 (10'8") | 2710 (8'11") | 3200 (10'6") |
| C | Overall height | mm (ft.in) | 2760 (9'1") | 2760 (9'1") | 2775 (9'1") | 2775 (9'1") |
| | Ground pressure | $kg/cm^2$ (PSI) | 0.44 (6.26) | 0.31 (4.41) | 0.47 (6.68) | 0.32 (4.55) |
| DOZER EQUIPMENT | | | | | | |
| | Type | | Inside mount | Inside mount | Inside mount | Inside mount |
| | Weight (Includes hydraulic control unit) | kg (lb) | 1180 (2,600) | 1250 (2,760) | 1040 (2,290) | 1060 (2,340) |
| | Length | mm (ft.in) | 2710 (8'11") | 3250 (10'8") | 2710 (8'11") | 3200 (10'6") |
| | Height | mm (ft.in) | 860 (2'10") | 830 (2'9") | 865 (2'10") | 835 (2'9") |
| D | Max. lift above ground | mm (ft.in) | 880 (2'11") | 870 (2'10") | 880 (2'11") | 880 (2'11") |
| E | Max. drop below ground | mm (ft.in) | 400 (1'4") | 390 (1'3") | 390 (1'3") | 390 (1'3") |
| F | Max. tilting adjustment | mm (ft.in) | 370 (1'3") | 440 (1'5") | 370 (1'3") | 435 (1'5") |
| | Angling angle (L/R) | degree | 25/25 | 25/25 | 24/24 | 24/24 |
| UPPER ATTACHMENT | | | ROPS canopy | ROPS canopy | ROPS cab | ROPS cab |

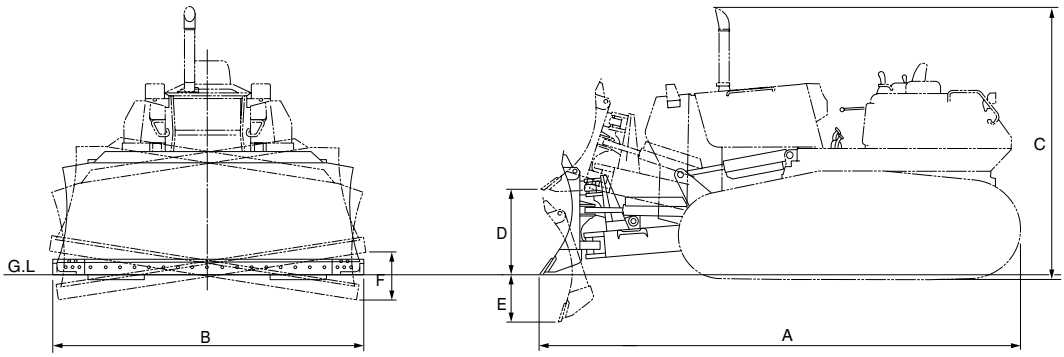
* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab
** : L: Blade length H: Blade height
*** : Wide blade
*4 : Brazil source
*5 : Mechanical angle-tiltdozer



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| Item | | Model | D37PX-23 | D39EX-22 | D39PX-22 | D39EX-23 |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 8610 (18,980) | 9040 (19,930) | 9480 (20,900) | 9270 (20,440) |
| BLADE CAPACITY | LH[2]** | $m^3$ ($yd^3$) | 2.00 (2.62) | 2.60 (3.40) | 2.69 (3.52) | 2.60 (3.40) |
| | SAE | | 2.13 (2.79) | 2.21 (2.89) | 2.30 (3.00) | 2.21 (2.89) |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 4275 (14'0") | 4335 (14'3") | 4335 (13'3") | 4385 (14'5") |
| B | Overall width | mm (ft.in) | 2875 (9'5") | 2710 (8'11") | 3250 (10'8") | 2710 (8'11") |
| C | Overall height | mm (ft.in) | 2775 (9'1") | 2835 (9'4") | 2835 (9'4") | 2845 (9'4") |
| | Ground pressure | $kg/cm^2$ (PSI) | 0.32 (4.55) | 0.42 (5.97) | 0.32 (4.55) | 0.43 (6.11) |
| DOZER EQUIPMENT | | | | | | |
| | Type | | Narrow Blade Inside mount | Inside mount | Inside mount | Inside mount |
| | Weight (Includes hydraulic control unit) | kg (lb) | 1030 (2,270) | 1240 (2,730) | 1320 (2,910) | 1110 (2,450) |
| | Length | mm (ft.in) | 2875 (9'5") | 2710 (8'11") | 3350 (11'0") | 2710 (8'11") |
| | Height | mm (ft.in) | 835 (2'9") | 980 (3'3") | 910 (3'0") | 980 (3'3") |
| D | Max. lift above ground | mm (ft.in) | 880 (2'11") | 900 (2'11") | 900 (2'11") | 910 (3'0") |
| E | Max. drop below ground | mm (ft.in) | 390 (1'3") | 450 (1'6") | 450 (1'6") | 450 (1'6") |
| F | Max. tilting adjustment | mm (ft.in) | 390 (1'3") | 370 (1'3") | 440 (1'5") | 365 (1'2") |
| | Angling angle (L/R) | degree | 24/24 | 25/25 | 25/25 | 25/25 |
| UPPER ATTACHMENT | | | ROPS cab | ROPS canopy | ROPS canopy | ROPS cab |

| Item | | Model | D39PX-23 | D39PX-23 | D51EX-22 | D51EX-22*** |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 9690 (21,360) | 9645 (21,260) | 12720 (28,040) | 12820 (28,260) |
| BLADE CAPACITY | LH[2]** | $m^3$ ($yd^3$) | 2.69 (3.52) | 2.69 (3.52) | 3.75 (4.91) | 4.13 (5.4) |
| | SAE | | 2.40 (3.14) | 2.40 (3.14) | 2.70 (3.53) | 2.90 (3.8) |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 4385 (14'5") | 4385 (14'5") | 4800 (15'8") | 4800 (15'8") |
| B | Overall width | mm (ft.in) | 3250 (10'8") | 3250 (10'8") | 3045 (10'0") | 3350 (10'0") |
| C | Overall height | mm (ft.in) | 2845 (9'4") | 2845 (9'4") | 3002 (9'10") | 3002 (9'10") |
| | Ground pressure | $kg/cm^2$ (PSI) | 0.33 (4.69) | 0.33 (4.69) | 0.45 (6.40) | 0.46 (6.54) |
| DOZER EQUIPMENT | | | | | | |
| | Type | | Inside mount | Narrow Blade Inside mount | Inside mount | Inside mount |
| | Weight (Includes hydraulic control unit) | kg (lb) | 1160 (2,560) | 1115 (2,460) | 1500 (3,310) | 1600 (3,530) |
| | Length | mm (ft.in) | 3250 (10'8") | 2980 (9'9") | 3045 (10'0") | 3350 (10'0") |
| | Height | mm (ft.in) | 910 (3'0") | 910 (3'0") | 1110 (3'8") | 1110 (3'8") |
| D | Max. lift above ground | mm (ft.in) | 910 (3'0") | 910 (3'0") | 1107 (3'8") | 1107 (3'8") |
| E | Max. drop below ground | mm (ft.in) | 450 (1'6") | 450 (1'6") | 456 (1'6") | 456 (1'6") |
| F | Max. tilting adjustment | mm (ft.in) | 440 (1'5") | 405 (1'4") | 459 (1'6") | 505 (1'8") |
| | Angling angle (L/R) | degree | 25/25 | 25/25 | 28.5/28.5 | 28.5/28.5 |
| UPPER ATTACHMENT | | ROPS cab | ROPS cab | ROPS cab | ROPS cab | ROPS cab |

* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab
** : L: Blade length H: Blade height
*** : Wide blade
*4 : Brazil source
*5 : Mechanical angle-tiltdozer

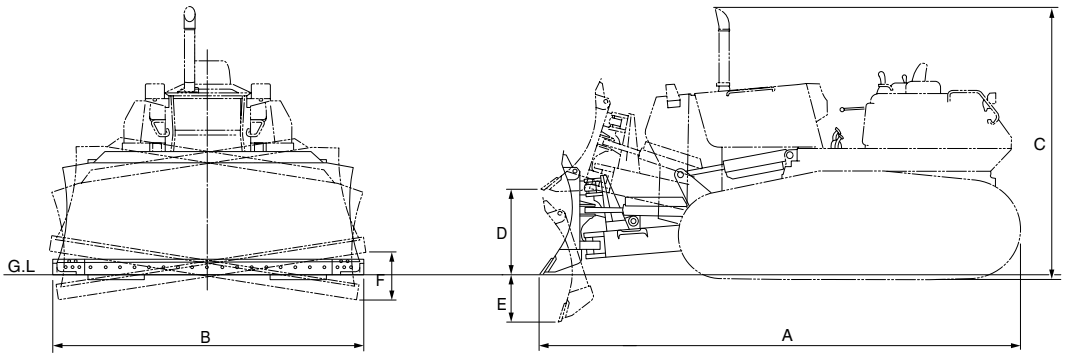


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# Blade Specifications
## Power Angle Tiltdozer




| Item | | Model / Unit | D51PX-22 | D51EX-22*4 | D61EX-15E0 | D61EX-15E0*** |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 13220 (29,150) | 14000 (30,860) | 16320 (35,980) | 16480 (36,330) |
| BLADE CAPACITY | LH2** | $m^3$ ($yd^3$) | 4.13 (5.4) | 3.8 (5.0) | 4.7 (6.1) | 5.19 (6.79) |
| | SAE | | 2.90 (3.8) | 2.90 (3.8) | 3.4 (4.4) | 3.8 (5.0) |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 4800 (15'8") | 4795 (15'9") | 5030 (16'6") | 5030 (16'6") |
| B | Overall width | mm (ft.in) | 3350 (10'0") | 3350 (10'0") | 3275 (10'9") | 3860 (12'6") |
| C | Overall height | mm (ft.in) | 3002 (9'10") | 3015 (9'11") | 3025 (9'11") | 3025 (9'11") |
| | Ground pressure | $kg/cm^2$ (PSI) | 0.34 (4.82) | 0.50 (7.11) | 0.52 (7.39) | 0.53 (7.54) |
| DOZER EQUIPMENT | | | | | | |
| | Type | | Inside mount | Inside mount | Inside mount | Inside mount |
| | Weight (Includes hydraulic control unit) | kg (lb) | 1600 (3,530) | 1600 (3,530) | 2400 (5,290) | 2560 (5,640) |
| | Length | mm (ft.in) | 3350 (10'0") | 3350 (10'0") | 3275 (10'9") | 3860 (12'8") |
| | Height | mm (ft.in) | 1110 (3'8") | 1110 (3'8") | 1200 (3'11") | 1160 (3'10") |
| D | Max. lift above ground | mm (ft.in) | 1107 (3'8") | 1107 (3'8") | 980 (3'3") | 980 (3'3") |
| E | Max. drop below ground | mm (ft.in) | 456 (1'6") | 461 (1'6") | 465 (1'6") | 465 (1'6") |
| F | Max. tilting adjustment | mm (ft.in) | 505 (1'8") | 505 (1'8") | 510 (1'8") | 600 (2'0") |
| | Angling angle (L/R) | degree | 28.5/28.5 | 28.5/28.5 | 25/25 | 25/25 |
| UPPER ATTACHMENT | | | ROPS cab | ROPS cab | - | - |

| Item | | Model / Unit | D61PX-15E0 | D61EX-23 | D61PX-23 | D65EX-16 |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 18320 (40,390) | 17700 (39,020) | 18580 (40,960) | 20990 (46,270) |
| BLADE CAPACITY | LH2** | $m^3$ ($yd^3$) | 5.19 (6.79) | 4.64 (6.07) | 5.15 (6.74) | |
| | SAE | | 3.8 (5.0) | 3.40 (4.45) | 3.80 (4.97) | 4.25 (5.56) |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 5465 (17'11") | 5480 (18'0") | 5480 (18'0") | 5790 (19'0") |
| B | Overall width | mm (ft.in) | 3860 (12'8") | 3250 (10'8") | 3860 (12'8") | 3870 (12'8") |
| C | Overall height | mm (ft.in) | 3025 (9'11") | 3180 (10'5") | 3180 (10'5") | 3155 (10'4") |
| | Ground pressure | $kg/cm^2$ (PSI) | 0.34 (4.83) | 0.47 (6.68) | 0.34 (4.83) | 0.63 (8.96) |
| DOZER EQUIPMENT | | | | | | |
| | Type | | Inside mount | Inside mount | Inside mount | Inside mount |
| | Weight (Includes hydraulic control unit) | kg (lb) | 2700 (5,950) | 2170 (4,780) | 2330 (5,140) | 2960 (6,530) |
| | Length | mm (ft.in) | 3860 (12'8") | 3250 (10'8") | 3860 (12'8") | 3870 (12'8") |
| | Height | mm (ft.in) | 1160 (3'10") | 1195 (3'11") | 1155 (3'9") | 1235 (4'1") |
| D | Max. lift above ground | mm (ft.in) | 1025 (3'4") | 1025 (3'4") | 1025 (3'4") | 1165 (3'10") |
| E | Max. drop below ground | mm (ft.in) | 580 (1'11") | 580 (1'11") | 580 (1'11") | 700 (2'4") |
| F | Max. tilting adjustment | mm (ft.in) | 600 (2'0") | 435 (1'5") | 515 (1'8") | 500 (1'8") |
| | Angling angle (L/R) | degree | 25/25 | 24/24 | 24/24 | 25/25 |
| UPPER ATTACHMENT | | ROPS cab | - | ROPS cab | ROPS cab | ROPS cab |

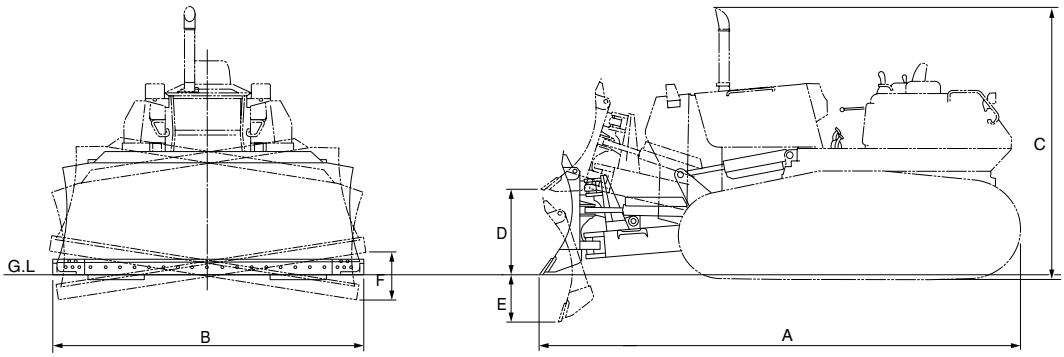
* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab
** : L: Blade length H: Blade height
*** : Wide blade
*4 : Brazil source
*5 : Mechanical angle-tiltdozer



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| Item | | Model | D65PX-16 | D65EX-17 | D65PX-17 | D65WX-17 |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 21860 (48,190) | 21160 (46,650) | 22030 (48,570) | 22060 (48,630) |
| BLADE CAPACITY | LH[2]** | $m^3$ ($yd^3$) | | 5.90 (7.72) | 5.90 (7.72) | 6.12 (8.00) |
| | SAE | | 4.42 (5.78) | 4.25 (5.56) | 4.25 (5.56) | 4.42 (5.78) |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 5790 (19'0") | 5790 (19'0") | 5790 (19'0") | 5790 (19'0") |
| B | Overall width | mm (ft.in) | 4010 (13'2") | 3870 (12'8") | 4010 (13'2") | 4010 (13'2") |
| C | Overall height | mm (ft.in) | 3155 (10'4") | 3155 (10'4") | 3155 (10'4") | 3155 (10'4") |
| | Ground pressure | $kg/cm^2$ (PSI) | 0.44 (6.26) | 0.63 (8.96) | 0.37 (5.26) | 0.49 (6.970) |
| DOZER EQUIPMENT | | | | | | |
| | Type | | Inside mount | Inside mount | Inside mount | Inside mount |
| | Weight (Includes hydraulic control unit) | kg (lb) | 2990 (6,590) | 2960 (6,530) | 2990 (6,590) | 2990 (6,590) |
| | Length | mm (ft.in) | 4010 (13'2") | 3870 (12'8") | 4010 (13'2") | 4010 (13'2") |
| | Height | mm (ft.in) | 1235 (4'1") | 1235 (4'1") | 1235 (4'1") | 1235 (4'1") |
| D | Max. lift above ground | mm (ft.in) | 1165 (3'10") | 1165 (3'10") | 1165 (3'10") | 1165 (3'10") |
| E | Max. drop below ground | mm (ft.in) | 700 (2'4") | 700 (2'4") | 700 (2'4") | 700 (2'4") |
| F | Max. tilting adjustment | mm (ft.in) | 520 (1'8") | 500 (1'8") | 520 (1'8") | 520 (1'8") |
| | Angling angle (L/R) | degree | 25/25 | 25/25 | 25/25 | 25/25 |
| UPPER ATTACHMENT | | | ROPS cab | ROPS cab | ROPS cab | ROPS cab |

| Item | | Model | D68ESS-12*6 | D85EX-15E0*5<br>D85EX-15R*5 | | |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 18,800 (41,500) | 24970 (55,050)<br>24870 (54,830) | | |
| BLADE CAPACITY | LH[2]** | $m^3$ ($yd^3$) | | 5.77 (7.55) | | |
| | SAE | | 3.4 (4.45) | 4.0 (5.2) | | |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 6,120 (20'1") | 6035 (19'10") | | |
| B | Overall width | mm (ft.in) | 3,275 (10'9") | 4515 (14'10") | | |
| C | Overall height | mm (ft.in) | 3,135 (10'3") | 3330 (10'11") | | |
| | Ground pressure | $kg/cm^2$ (PSI) | 0.53 (7.53) | 0.73 (10.38)<br>0.73 (10.38) | | |
| DOZER EQUIPMENT | | | | | | |
| | Type | | Inside mount | Outside mount | | |
| | Weight (Includes hydraulic control unit) | kg (lb) | 2,360 (5,205) | 3754 (8,276) | | |
| | Length | mm (ft.in) | 3275 (10'9") | 4515 (14'10") | | |
| | Height | mm (ft.in) | 1200 (3'11") | 1130 (3'11") | | |
| D | Max. lift above ground | mm (ft.in) | 1055 (3'6") | 1173 (3'10") | | |
| E | Max. drop below ground | mm (ft.in) | 560 (1'10") | 760 (2'6") | | |
| F | Max. tilting adjustment | mm (ft.in) | 510 (1'9") | 520 (1'8") | | |
| | Angling angle (L/R) | degree | 25/25 | 25/25 | | |
| UPPER ATTACHMENT | | | Sweep guard | - | | |

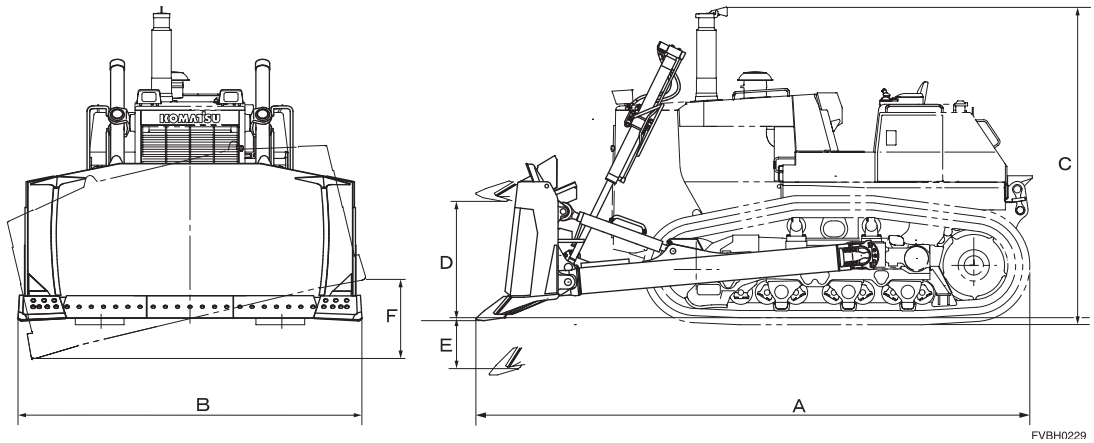
* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab
** : L: Blade length H: Blade height
*** : Wide blade
*4 : Brazil source
*5 : Mechanical angle-tiltdozer
*6 : With sweep guard



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| Item | | Model | D61EX-15E0 | D63E-12*** | D65E-12 | D65EX-16 |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 16350 (36,050) | 16705 (36,830) | 18500 (40,780) | 19360 (42,680) |
| BLADE CAPACITY | LH2** | $m^3$ ($yd^3$) | 5.4 (7.1) | 5.4 (7.1) | 6.8 (8.9) | 6.8 (8.9) |
| | SAE | | 4.3 (5.6) | 4.4 (5.6) | 5.6 (7.3) | 5.6 (7.3) |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 5050 (16'7") | 5260 (17'3") | 5440 (17'10") | 5310 (17'5") |
| B | Overall width | mm (ft.in) | 3175 (10'5") | 3200 (10'6") | 3460 (11'4") | 3460 (11'4") |
| C | Overall height | mm (ft.in) | 2945 (8'2") | 2700 (8'10") | 2990 (9'10") | 3155 (10'4") |
| | Ground pressure | $kg/cm^2$ (PSI) | 0.52 (7.39) | 0.55 (7.8) | 0.68 (9.7) | 0.64 (9.1) |
| DOZER EQUIPMENT | | | | | | |
| | Weight (Includes hydraulic control unit) | kg (lb) | 2430 (5,360) | 2060 (4,540) | 2320 (5,115) | 2320 (5,115) |
| | Length | mm (ft.in) | 3175 (10'5") | 3200 (10'6") | 3460 (11'4") | 3460 (11'4") |
| | Height | mm (ft.in) | 1300 (4'3") | 1300 (4'3") | 1425 (4'8") | 1425 (4'8") |
| D | Max. lift above ground | mm (ft.in) | 970 (3'2") | 1005 (3'4") | 1105 (3'8") | 1110 (3'8") |
| E | Max. drop below ground | mm (ft.in) | 545 (1'9") | 460 (1'6") | 440 (1'5") | 440 (1'5") |
| F | Max. tilting adjustment | mm (ft.in) | 690 (2'3") | 600 (2'3") | 855 (2'10") | 930 (3'1") |
| UPPER ATTACHMENT | | | - | - | - | ROPS cab |

| Item | | Model | D85ESS-2A | D85EX-15E0<br>D85EX-15R | D155A-5 | D155AX-6 |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 18530 (40,850) | 24820 (54,720)<br>24720 (54,500) | 32800 (72,310) | 35960 (79,280) |
| BLADE CAPACITY | LH2** | $m^3$ ($yd^3$) | 8.90 (11.64) | 9.07 (11.87) | 11.7 (15.3) | 13.23 (17.31) |
| | SAE | | 6.8 (8.9) | 7.0 (9.2) | 8.8 (11.5) | 9.4 (12.3) |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 5770 (18'11") | 5795 (19') | 6300 (20'8") | 6175 (20'3") |
| B | Overall width | mm (ft.in) | 3640 (11'11") | 3635 (11'11") | 3955 (13') | 4130 (13'7") |
| C | Overall height | mm (ft.in) | 2980 (9'9") | 3330 (10'11") | 3395 (11'2") | 3385 (11'1") |
| | Ground pressure | $kg/cm^2$ (PSI) | 0.61 (8.67) | 0.73 (10.32) | 0.91 (12.94) | 0.98 (13.94) |
| DOZER EQUIPMENT | | | | | | |
| | Weight (Includes hydraulic control unit) | kg (lb) | 3110 (6,860) | 3599 (7,943) | 4900 (10,800) | 4960 (10,936) |
| | Length | mm (ft.in) | 3640 (11'11") | 3635 (11'11") | 3955 (13') | 4130 (13'7") |
| | Height | mm (ft.in) | 1565 (5'2") | 1580 (5'2") | 1720 (5'8") | 1790 (5'10") |
| D | Max. lift above ground | mm (ft.in) | 1070 (3'6") | 1210 (4') | 1250 (4'1") | 1255 (4'1") |
| E | Max. drop below ground | mm (ft.in) | 590 (1'11") | 540 (1'9") | 590 (1'11") | 593 (1'11") |
| F | Max. tilting adjustment | mm (ft.in) | 460 (1'6") | 735 (2'5") | 1000 (3'3") | 953 (3') |
| UPPER ATTACHMENT | | | - | - | - | - |

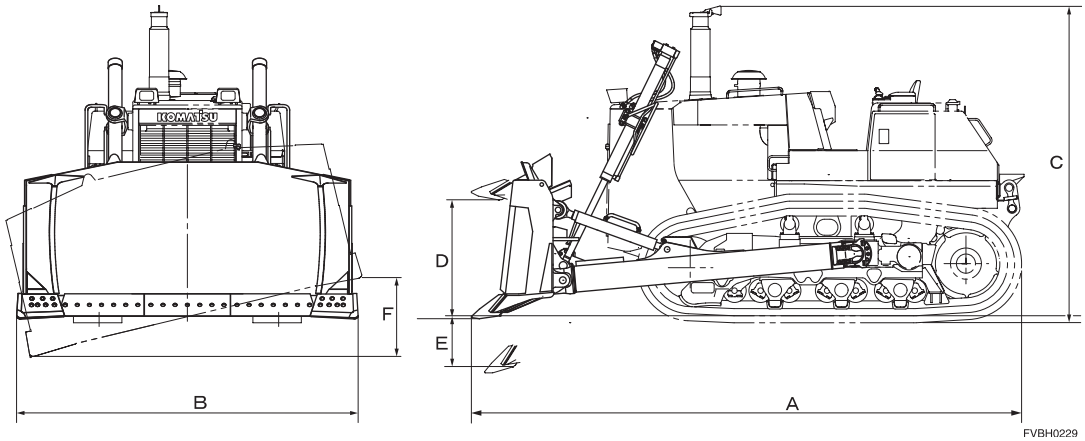
* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab
** : L: Blade length H: Blade height
*** : for Russia



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| Item | | Model | D155A-6 | D155AX-7 | D275AX-5E0<br>D275A-5R | D275A-5 |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 37260 (82,140)<br>37920(83,600)*4 | 36660 (80,820) | 45190 (99,630) | 45190 (99,630) |
| BLADE CAPACITY LH2**<br>SAE | | $m^3$ ($yd^3$) | 13.2 (17.3)<br>9.4 (12.3) | 13.2 (17.3)<br>9.4 (12.3) | 16.5 (21.6)<br>13.7 (17.9) | 16.5 (21.6)<br>13.7 (17.9) |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 6010 (19'9") | 6275 (20'7") | 6930 (22'9") | 6930 (22'9") |
| B | Overall width | mm (ft.in) | 4130 (13'7") | 4130 (13'7") | 4300 (14'1") | 4300 (14'1") |
| C | Overall height | mm (ft.in) | 3385 (11'1") | 3390 (11'1") | 3940 (12'11") | 3965 (13'0") |
| | Ground pressure | kg/$cm^2$(PSI) | 1.06 (15.07)<br>1.07 (15.22)*4 | 1.0 (14.2) | 1.06 (15.1) | 1.06 (15.1) |
| DOZER EQUIPMENT | | | | | | |
| | Weight<br>(Includes hydraulic control unit) | kg (lb) | 4960 (10,936) | 4960 (10,940) | 7507 (16,550) | 7507 (16,550) |
| | Length | mm (ft.in) | 4130 (13'7") | 4130 (13'7") | 4300 (14'1") | 4300 (14'1") |
| | Height | mm (ft.in) | 1790 (5'10") | 1790 (5'10") | 1960 (6'5") | 1960 (6'5") |
| D | Max. lift above ground | mm (ft.in) | 1250 (4'1") | 1255 (4'1") | 1475 (4'10") | 1450 (4'9") |
| E | Max. drop below ground | mm (ft.in) | 590 (1'11") | 593 (1'11") | 615 (2'0") | 640 (2'1") |
| F | Max. tilting adjustment | mm (ft.in) | 950 (3'1") | 890 (2'11") | 1000 (3'3") | 1000 (3'3") |
| UPPER ATTACHMENT | | | - | ROPS cab | - | - |

| Item | | Model | D275AX-5E0***<br>D275A-5R*** | D275A-5*** | D375A-5 | D375A-5R |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 45270 (99,800) | 45270 (99,800) | 60340 (133,030) | 61630 (135,870) |
| BLADE CAPACITY LH2**<br>SAE | | $m^3$ ($yd^3$) | 16.5 (21.6)<br>13.7 (17.9) | 16.5 (21.6)<br>13.7 (17.9) | 24.0 (31.4)<br>18.5 (24.2) | 24.0 (31.4)<br>18.5 (24.2) |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 6930 (22'9") | 6930 (22'9") | 7635 (25'1") | 7715 (25'4") |
| B | Overall width | mm (ft.in) | 4300 (14'1") | 4300 (14'1") | 4695 (15'5") | 4695 (15'5") |
| C | Overall height | mm (ft.in) | 3940 (12'11") | 3965 (13'0") | 4035 (13'3") | 4215 (13'10") |
| | Ground pressure | kg/$cm^2$(PSI) | 1.09 (15.50) | 1.09 (15.50) | 1.29 (18.34) | 1.32 (18.77) |
| DOZER EQUIPMENT | | | | | | |
| | Weight<br>(Includes hydraulic control unit) | kg (lb) | 7590 (16,730) | 7590 (16,730) | 10540 (23,240) | 10910 (24,050) |
| | Length | mm (ft.in) | 4300 (14'1") | 4300 (14'1") | 4695 (15'5") | 4695 (15'5") |
| | Height | mm (ft.in) | 1960 (6'5") | 1960 (6'5") | 2265 (7'5") | 2265 (7'5") |
| D | Max. lift above ground | mm (ft.in) | 1475 (4'10") | 1450 (4'9") | 1660 (5'5") | 1660 (5'5") |
| E | Max. drop below ground | mm (ft.in) | 615 (2'0") | 640 (2'1") | 715 (2'4") | 715 (2'4") |
| F | Max. tilting adjustment | mm (ft.in) | 1140 (3'9") | 1140 (3'9") | 1065 (3'6") | 1065 (3'6") |
| UPPER ATTACHMENT | | | - | - | - | - |

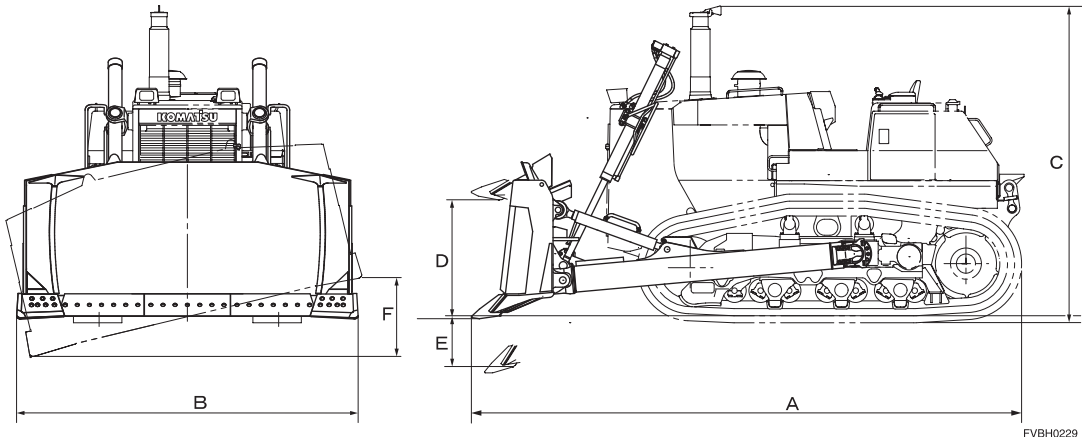
* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab
** : L: Blade length H: Blade height
*** : Dual tilt dozer
*4 : Strengthend type



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| Item | | Model | D375A-6 | D375A-6R | D475A-5E0*7 | D575A-3*7 |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 64165 (141,460) | 62765 (138,370) | 100090 (220,660) | 118240 (260,670) |
| BLADE CAPACITY | LH2** | $m^3$ ($yd^3$) | 24.0 (31.4) | 24.0 (31.4) | 38.1 (49.83) | 44.1 (57.7) |
| | SAE | | 18.5 (24.2) | 18.5 (24.2) | 27.2 (35.6) | 34 (44.5) |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 7780 (25'6") | 7820 (25'8") | 8705 (28'7") | 9310 (30'7") |
| B | Overall width | mm (ft.in) | 4695 (15'5") | 4695 (15'5") | 5265 (17'3") | 5880 (19'3") |
| C | Overall height | mm (ft.in) | 4265 (7'5") | 4215 (13'10") | 4546 (14'11") | 4495 (14'9") |
| | Ground pressure | $kg/cm^2$(PSI) | 1.32 (18.77) | 1.34 (19.05) | 1.37 (19.48) | 1.72 (24.46) |
| DOZER EQUIPMENT | | | | | | |
| | Weight (Includes hydraulic control unit) | kg (lb) | 10965 (24,170) | 10965 (24,170) | 16500 (36,380) | 19790 (43,630) |
| | Length | mm (ft.in) | 4695 (15'5") | 4695 (15'5") | 5265 (17'3") | 5880 (19'3") |
| | Height | mm (ft.in) | 2265 (7'5") | 2265 (7'5") | 2690 (8'10") | 2740 (9'0") |
| D | Max. lift above ground | mm (ft.in) | 1690 (5'7") | 1642 (5'5") | 1620 (5'4") | 1850 (6'1") |
| E | Max. drop below ground | mm (ft.in) | 735 (2'5") | 800 (2'7") | 1010 (3'4") | 900 (2'11") |
| F | Max. tilting adjustment | mm (ft.in) | 970 (3'2") | 970 (3'2") | 770 (2'6") | 1380 (4'6") |
| UPPER ATTACHMENT | | | - | - | - | - |

| Item | | Model | | | | |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | | | | |
| BLADE CAPACITY | LH2** | $m^3$ ($yd^3$) | | | | |
| | SAE | | | | | |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | | | | |
| B | Overall width | mm (ft.in) | | | | |
| C | Overall height | mm (ft.in) | | | | |
| | Ground pressure | $kg/cm^2$(PSI) | | | | |
| DOZER EQUIPMENT | | | | | | |
| | Weight (Includes hydraulic control unit) | kg (lb) | | | | |
| | Length | mm (ft.in) | | | | |
| | Height | mm (ft.in) | | | | |
| D | Max. lift above ground | mm (ft.in) | | | | |
| E | Max. drop below ground | mm (ft.in) | | | | |
| F | Max. tilting adjustment | mm (ft.in) | | | | |
| UPPER ATTACHMENT | | | | | | |

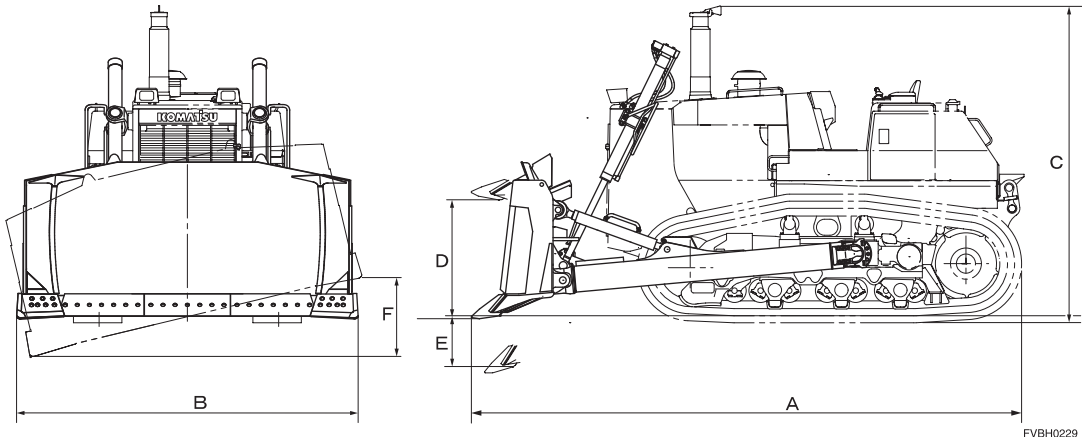
* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab
** : L: Blade length H: Blade height
*** : Wide blade
*4 : Brazil source
*5 : Mechanical angle-tiltdozer
*6 : for Russia
*7 : Strengthened type



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| Item | | Model | D375A-5 | D375A-5R | D375A-6 | D375A-6R |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 61590 (135,780) | 62010 (136,710) | 64820 (142,900) | 62950 (138,780) |
| BLADE CAPACITY | LH[2]** | $m^3$ ($yd^3$) | 24.0 (31.4) | 24.0 (31.4) | 24.0 (31.4) | 24.0 (31.4) |
| | SAE | | 18.5 (24.2) | 18.5 (24.2) | 18.5 (24.2) | 18.5 (24.2) |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 7635 (25'1") | 7715 (25'4") | 7780 (25'6") | 7820 (17240) |
| B | Overall width | mm (ft.in) | 4695 (15'5") | 4695 (15'5") | 4695 (15'5") | 4695 (15'5") |
| C | Overall height | mm (ft.in) | 4035 (13'3") | 4215 (13'10") | 4265 (7'5") | 4265 (7'5") |
| | Ground pressure | $kg/cm^2$(PSI) | 1.31 (18.63) | 1.32 (18.77) | 1.33 (18.91) | 1.34 (19.05) |
| DOZER EQUIPMENT | | | | | | |
| | Weight (Includes hydraulic control unit) | kg (lb) | 11790 (25,990) | 11290 (24,890) | 11620 (25,620) | 11150 (24,580) |
| | Length | mm (ft.in) | 4695 (15'5") | 4695 (15'5") | 4695 (15'5") | 4695 (15'5") |
| | Height | mm (ft.in) | 2265 (7'5") | 2265 (7'5") | 2265 (7'5") | 2265 (7'5") |
| D | Max. lift above ground | mm (ft.in) | 1660 (5'5") | 1660 (5'5") | 1690 (5'7") | 1642 (5'5") |
| E | Max. drop below ground | mm (ft.in) | 715 (2'4") | 715 (2'4") | 735 (2'5") | 800 (2'7") |
| F | Max. tilting adjustment | mm (ft.in) | 1165 (3'10") | 1150 (3'9") | 1185 (3'11") | 1185 (3'11") |
| UPPER ATTACHMENT | | | - | - | - | - |

| Item | | Model | D475A-5E0*** | D575A-3 | | |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 100540 (221,658) | 118810 (261,930) | | |
| BLADE CAPACITY | LH[2]** | $m^3$ ($yd^3$) | 38.1 (49.83) | 44.1 (57.7) | | |
| | SAE | | 27.2 (35.6) | 34 (44.5) | | |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 8705 (28'7") | 9310 (30'7") | | |
| B | Overall width | mm (ft.in) | 5265 (17'3") | 5880 (19'3") | | |
| C | Overall height | mm (ft.in) | 4546 (14'11") | 4495 (14'9") | | |
| | Ground pressure | $kg/cm^2$(PSI) | 1.57 (22.25) | 1.73 (24.6) | | |
| DOZER EQUIPMENT | | | | | | |
| | Weight (Includes hydraulic control unit) | kg (lb) | 16950 (37,370) | 20360 (44,890) | | |
| | Length | mm (ft.in) | 5265 (17'3") | 5880 (19'3") | | |
| | Height | mm (ft.in) | 2690 (8'10") | 2740 (9'0") | | |
| D | Max. lift above ground | mm (ft.in) | 1620 (5'4") | 1850 (6'1") | | |
| E | Max. drop below ground | mm (ft.in) | 1010 (3'4") | 900 (2'11") | | |
| F | Max. tilting adjustment | mm (ft.in) | 1145 (3'9") | 1640 (5'5") | | |
| UPPER ATTACHMENT | | | - | - | | |

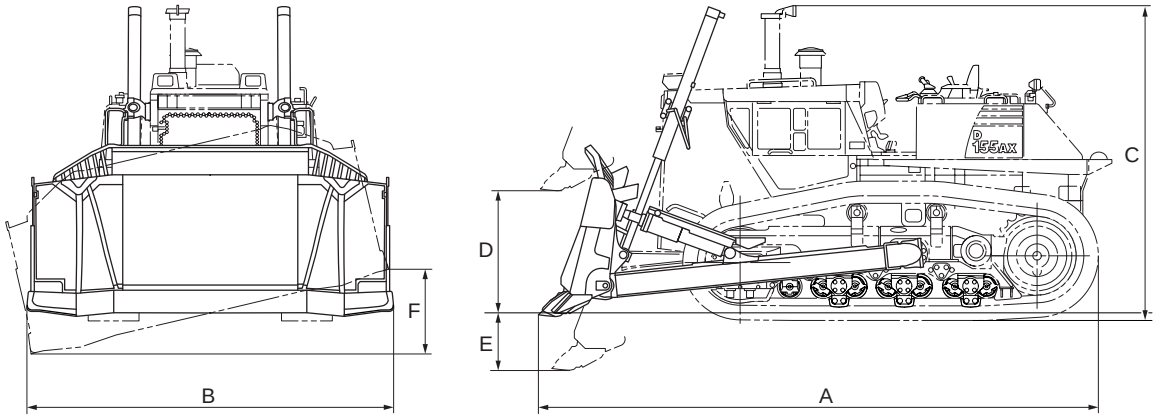
* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab
** : L: Blade length H: Blade height
*** : Strengthened type



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| Item | | Model | D65EX-16 | D65EX-16*6 | D65EX-17 | D65WX-17 |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 19510 (43,010) | 19560 (43,120) | 19680 (43,390) | 20530 (45,260) |
| BLADE CAPACITY | LH2** | $m^3$ ($yd^3$) | | | 6.92 (9.05) | 7.27 (9.51) |
| | SAE | | 5.61 (7.34) | 5.61 (7.34) | 5.61 (7.34) | 5.90 (7.72) |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 5490 (18'0") | 5490 (18'0") | 5490 (18'0") | 5500 (18'1") |
| B | Overall width | mm (ft.in) | 3410 (11'2") | 3410 (11'2") | 3410 (11'2") | 3580 (11'9") |
| C | Overall height | mm (ft.in) | 3155 (10'4") | 3155 (10'4") | 3155 (10'4") | 3155 (10'4") |
| | Ground pressure | $kg/cm^2$ (PSI) | 0.64 (9.10) | 0.64 (9.10) | 0.65 (9.2) | 0.45 (6.4) |
| DOZER EQUIPMENT | | | | | | |
| | Weight (Includes hydraulic control unit) | kg (lb) | 2390 (5,270) | 2440 (5,380) | 2390 (5,270) | 2500 (5,510) |
| | Length | mm (ft.in) | 3410 (11'2") | 3410 (11'2") | 3410 (11'2") | 3580 (11'9") |
| | Height | mm (ft.in) | 1425 (4'8") | 1425 (4'8") | 1425 (4'8") | 1425 (4'8") |
| D | Max. lift above ground | mm (ft.in) | 1130 (3'8") | 1130 (3'8") | 1130 (3'8") | 1130 (3'8") |
| E | Max. drop below ground | mm (ft.in) | 505 (1'8") | 505 (1'8") | 505 (1'8") | 505 (1'8") |
| F | Max. tilting adjustment | mm (ft.in) | 870 (2'10") | 870 (2'10") | 870 (2'10") | 770 (2'6") |
| | Digging angle | degree | 46 | 46 | 46 | 46 |
| UPPER ATTACHMENT | | | ROPS cab | ROPS cab | ROPS cab | ROPS cab |

| Item | | Model | D155AX-6 | D155AX-6*** | D155AX-6*4 | D155AX-6*5 |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 35940 (79,240) | 35940 (79,240) | 36360 (80,160) | 36360 (80,160) |
| BLADE CAPACITY | LH2** | $m^3$ ($yd^3$) | 13.9 (18.17) | 13.9 (18.17) | 13.9 (18.17) | 13.9 (18.17) |
| | SAE | | 9.4 (12.3) | 9.4 (12.3) | 9.4 (12.3) | 9.4 (12.3) |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 6125 (20'1") | 6125 (20'1") | 6125 (20'1") | 6125 (20'1") |
| B | Overall width | mm (ft.in) | 4060 (13'4") | 4060 (13'4") | 4060 (13'4") | 4060 (13'4") |
| C | Overall height | mm (ft.in) | 3385 (11'1") | 3385 (11'1") | 3385 (11'1") | 3385 (11'1") |
| | Ground pressure | $kg/cm^2$ (PSI) | 0.98 (13.92) | 0.98 (13.92) | 0.99 (14.1) | 0.99 (14.1) |
| DOZER EQUIPMENT | | | | | | |
| | Weight (Includes hydraulic control unit) | kg (lb) | 4940 (10,890) | 4940 (10,890) | 5360 (11,820) | 5360 (11,820) |
| | Length | mm (ft.in) | 4060 (13'4") | 4060 (13'4") | 4060 (13'4") | 4060 (13'4") |
| | Height | mm (ft.in) | 1850 (6'1") | 1850 (6'1") | 1850 (6'1") | 1850 (6'1") |
| D | Max. lift above ground | mm (ft.in) | 1320 (4'4") | 1320 (4'4") | 1320 (4'4") | 1320 (4'4") |
| E | Max. drop below ground | mm (ft.in) | 617 (2') | 617 (2') | 617 (2') | 617 (2') |
| F | Max. tilting adjustment | mm (ft.in) | 920 (3') | 920 (3') | 920 (3') | 920 (3') |
| | Digging angle | degree | 46 | 46 | 46 | 46 |
| UPPER ATTACHMENT | | | - | - | - | - |

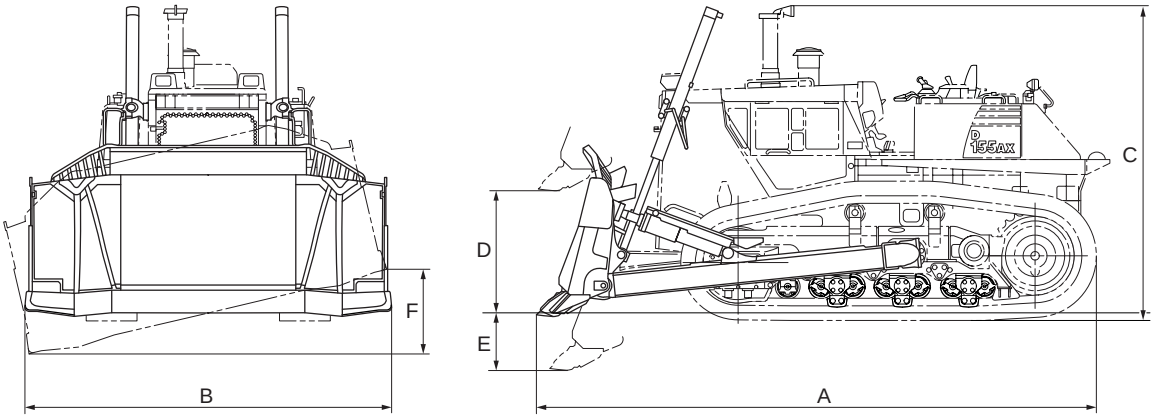
* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab
** : L: Blade length H: Blade height
*** : Dual SIGMADOZER
*4 : Strengthened type
*5 : Strengthened dual SIGMADOZER
*6 : With sigma power-pich dozer



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| Item | | Model | D155A-6 | D155A-6*** | D155AX-7*** | D155AX-7*[5] |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 37240 (82,100) | 37660 (83,030) | 36640 (80,780) | 37060 (81,700) |
| BLADE CAPACITY | LH[2]** | $m^3$ ($yd^3$) | 13.9 (18.17) | 13.9 (18.17) | 13.2 (17.3) | 13.2 (17.3) |
| | SAE | | 9.4 (12.3) | 9.4 (12.3) | 9.4 (12.3) | 9.4 (12.3) |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 6125 (20'1") | 6125 (20'1") | 6225 (20'5") | 6225 (20'5") |
| B | Overall width | mm (ft.in) | 4060 (13'4") | 4060 (13'4") | 4060 (13'4") | 4060 (13'4") |
| C | Overall height | mm (ft.in) | 3385 (11'1") | 3385 (11'1") | 3390 (11'1") | 3390 (11'1") |
| | Ground pressure | $kg/cm^2$ (PSI) | 1.06 (15.07) | 1.06 (15.07) | 1.0 (14.2) | 1.0 (14.2) |
| DOZER EQUIPMENT | | | | | | |
| | Weight (Includes hydraulic control unit) | kg (lb) | 4940 (10,890) | 4940 (10,890) | 4940 (10,890) | 4940 (10,890) |
| | Length | mm (ft.in) | 4060 (13'4") | 4060 (13'4") | 4060 (13'4") | 4060 (13'4") |
| | Height | mm (ft.in) | 1850 (6'1") | 1850 (6'1") | 1850 (6'1") | 1850 (6'1") |
| D | Max. lift above ground | mm (ft.in) | 1320 (4'4") | 1320 (4'4") | 1320 (4'4") | 1320 (4'4") |
| E | Max. drop below ground | mm (ft.in) | 617 (2') | 617 (2') | 617 (2'0") | 617 (2'0") |
| F | Max. tilting adjustment | mm (ft.in) | 920 (3') | 920 (3') | 880 (2'11") | 880 (2'11") |
| | Digging angle | degree | 46 | 46 | 50 | 50 |
| UPPER ATTACHMENT | | | - | - | ROPS cab | ROPS cab |

| Item | | Model | D275AX-5E0*[4] | D275AX-5E0*[5] | D275A-5R*[4] | D275A-5R*[5] |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 46740 (103,040) | 46825 (103,230) | 46740 (103,040) | 46825 (103,230) |
| BLADE CAPACITY | LH[2]** | $m^3$ ($yd^3$) | 20.5 (26.8) | 20.5 (26.8) | 20.5 (26.8) | 20.5 (26.8) |
| | SAE | | 14.6 (19.1) | 14.6 (19.1) | 14.6 (19.1) | 14.6 (19.1) |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 6660 (21'10") | 6660 (21'10") | 6665 (21'10") | 6665 (21'10") |
| B | Overall width | mm (ft.in) | 4440 (14'7") | 4440 (14'7") | 4440 (14'7") | 4440 (14'7") |
| C | Overall height | mm (ft.in) | 3940 (12'11") | 3940 (12'11") | 3940 (12'11") | 3940 (12'11") |
| | Ground pressure | $kg/cm^2$ (PSI) | 1.1 (15.6) | 1.1 (15.6) | 1.1 (15.6) | 1.1 (15.6) |
| DOZER EQUIPMENT | | | | | | |
| | Weight (Includes hydraulic control unit) | kg (lb) | 9060 (19,970) | 9145 (20,160) | 9060 (19,970) | 9145 (20,160) |
| | Length | mm (ft.in) | 4440 (14'7") | 4440 (14'7") | 4440 (14'7") | 4440 (14'7") |
| | Height | mm (ft.in) | 2150 (7'1") | 2150 (7'1") | 2150 (7'1") | 2150 (7'1") |
| D | Max. lift above ground | mm (ft.in) | 1415 (4'8") | 1415 (4'8") | 1415 (4'8") | 1415 (4'8") |
| E | Max. drop below ground | mm (ft.in) | 715 (2'4") | 715 (2'4") | 720 (2'4") | 720 (2'4") |
| F | Max. tilting adjustment | mm (ft.in) | 1000 (3'3") | 1070 (3'6") | 1000 (3'3") | 1070 (3'6") |
| | Digging angle | degree | 46 | 46 | 46 | 46 |
| UPPER ATTACHMENT | | | - | - | - | - |

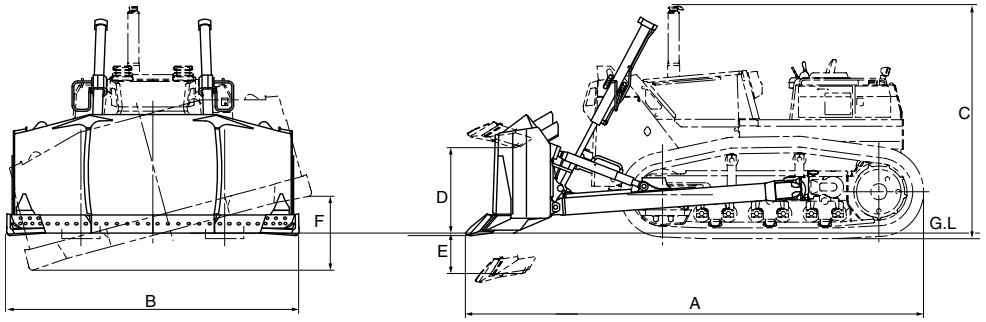
* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab
** : L: Blade length H: Blade height
*** : Dual SIGMADOZER
*[4] : Strengthened type
*[5] : Strengthened dual SIGMADOZER
*[6] : With sigma power-pich dozer



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| Item | | Model | D155A-5 | D155AX-6 | D155A-6 | D155AX-7 |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 33500 (73,850) | 36630 (80,770) | 37930 (83,620) | 37330 (82,300) |
| BLADE CAPACITY | LH2** | $m^3$ ($yd^3$) | 13.2 (17.3) | 13.5 (17.7) | 13.5 (17.7) | 13.5 (17.7) |
| | SAE | | 11.8 (15.4) | 11.9 (15.6) | 11.9 (15.6) | 11.9 (15.6) |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 6695 (22') | 6590 (21'7") | 6430 (21'1") | 6690 (21'11") |
| B | Overall width | mm (ft.in) | 4265 (14') | 4225 (13'10") | 4225 (13'10") | 4225 (13'10") |
| C | Overall height | mm (ft.in) | 3395 (11'2") | 3385 (11'1") | 3385 (11'1") | 3390 (11'1") |
| | Ground pressure | $kg/cm^2$ (PSI) | 0.93 (13.22) | 1.00 (14.19) | 1.08 (15.36) | 1.02 (14.5) |
| | | | 0.97 (13.79) | | | |
| DOZER EQUIPMENT | | | | | | |
| | Weight (Includes hydraulic control unit) | kg (lb) | 5600 (12,350) | 5630 (12,420) | 5630 (12,410) | 5630 (12,410) |
| | Length | mm (ft.in) | 4265 (14') | 4225 (13'10") | 4225 (13'10") | 4225 (13'10") |
| | Height | mm (ft.in) | 1760 (5'9") | 1790 (5'10") | 1790 (5'10") | 1790 (5'10") |
| D | Max. lift above ground | mm (ft.in) | 1250 (4'1") | 1255 (4'1") | 1250 (4'1") | 1255 (4'1") |
| E | Max. drop below ground | mm (ft.in) | 590 (1'11") | 593 (1'11") | 590 (1'11") | 593 (1'11") |
| F | Max. tilting adjustment | mm (ft.in) | 1080 (3'7") | 970 (3'2") | 970 (3'2") | 930 (3'1") |
| UPPER ATTACHMENT | | | - | - | - | ROPS cab |

| Item | | Model | D275A-5 | D275AX-5E0<br>D275A-5R | D275A-5*** | D275AX-5E0***<br>D275A-5R*** |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 46110 (101,650) | 46110 (101,650) | 46200 (101,850) | 46200 (101,850) |
| BLADE CAPACITY | LH2** | $m^3$ ($yd^3$) | 18.0 (23.5) | 18.0 (23.5) | 18.0 (23.5) | 18.0 (23.5) |
| | SAE | | 16.6 (21.7) | 16.6 (21.7) | 16.6 (21.7) | 16.6 (21.7) |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 7265 (23'10") | 7265 (23'10") | 7265 (23'10") | 7265 (23'10") |
| B | Overall width | mm (ft.in) | 4615 (15'2") | 4615 (15'2") | 4615 (15'2") | 4615 (15'2") |
| C | Overall height | mm (ft.in) | 3965 (13'0") | 3940 (12'11") | 3965 (13'0") | 3940 (12'11") |
| | Ground pressure | $kg/cm^2$ (PSI) | 1.09 (15.5) | 1.09 (15.5) | 1.09 (15.50) | 1.09 (15.50) |
| DOZER EQUIPMENT | | | | | | |
| | Weight (Includes hydraulic control unit) | kg (lb) | 8433 (18,590) | 8433 (18,590) | 8516 (18,770) | 8516 (18,770) |
| | Length | mm (ft.in) | 4615 (15'2") | 4615 (15'2") | 4615 (15'2") | 4615 (15'2") |
| | Height | mm (ft.in) | 1973 (6'6") | 1973 (6'6") | 1973 (6'6") | 1973 (6'6") |
| D | Max. lift above ground | mm (ft.in) | 1450 (4'9") | 1475 (4'10") | 1450 (4'9") | 1475 (4'10") |
| E | Max. drop below ground | mm (ft.in) | 640 (2'1") | 615 (2'0") | 640 (2'1") | 615 (2'0") |
| F | Max. tilting adjustment | mm (ft.in) | 1070 (3'6") | 1070 (3'6") | 1220 (4'0") | 1220 (4'0") |
| UPPER ATTACHMENT | | | - | - | - | - |

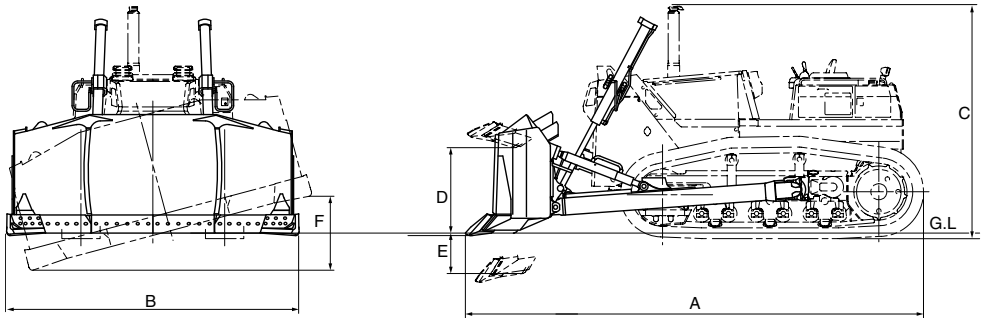
* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab
** : L: Blade length H: Blade height
*** : Dual tiltdozer



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| Item | | Model | D375A-5 | D375A-5*** | D375A-5R | D375A-5R*** |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 61590 (135,780) | 61970 (136,620) | 63140 (139,200) | 63520 (140,040) |
| BLADE CAPACITY | LH[2]** | $m^3$ ($yd^3$) | 26.3 (34.4) | 26.3 (34.4) | 26.3 (34.4) | 26.3 (34.4) |
| | SAE | | 22.0 (28.8) | 22.0 (28.8) | 22.0 (28.8) | 22.0 (28.8) |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 8000 (26'5") | 8000 (26'5") | 8130 (26'8") | 8130 (26'8") |
| B | Overall width | mm (ft.in) | 5140 (16'10") | 5140 (16'10") | 5140 (16'10") | 5140 (16'10") |
| C | Overall height | mm (ft.in) | 4035 (13'3") | 4035 (13'3") | 4215 (13'10") | 4215 (13'10") |
| | Ground pressure | $kg/cm^2$ (PSI) | 1.31 (18.63) | 1.32 (18.77) | 1.35 (19.2) | 1.36 (19.3) |
| DOZER EQUIPMENT | | | | | | |
| | Weight (Includes hydraulic control unit) | kg (lb) | 11790 (25,990) | 12170 (26,830) | 12420 (27380) | 12800 (28,220) |
| | Length | mm (ft.in) | 5140 (16'10") | 5140 (16'10") | 5140 (16'10") | 5140 (16'10") |
| | Height | mm (ft.in) | 2265 (7'5") | 2265 (7'5") | 2265 (7'5") | 2265 (7'5") |
| D | Max. lift above ground | mm (ft.in) | 1660 (5'5") | 1660 (5'5") | 1660 (5'5") | 1660 (5'5") |
| E | Max. drop below ground | mm (ft.in) | 715 (2'4") | 715 (2'4") | 715 (2'4") | 715 (2'4") |
| F | Max. tilting adjustment | mm (ft.in) | 1165 (3'10") | 1260 (4'2") | 1165 (3'10") | 1260 (4'2") |
| UPPER ATTACHMENT | | | - | - | - | - |

| Item | | Model | D375A-6*4 | D375A-6*** *4 | D375A-6R*4 | D375A-6R*** *4 |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 65665 (144,770) | 65850 (145,170) | 64265 (141,680) | 64450 (142,090) |
| BLADE CAPACITY | LH[2]** | $m^3$ ($yd^3$) | 26.3 (34.4) | 26.3 (34.4) | 26.3 (34.4) | 26.3 (34.4) |
| | SAE | | 22.0 (28.8) | 22.0 (28.8) | 22.0 (28.8) | 22.0 (28.8) |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 8140 (26'8") | 8140 (26'8") | 8180 (26'8") | 8180 (26'8") |
| B | Overall width | mm (ft.in) | 5140 (16'10") | 5140 (16'10") | 5140 (16'10") | 5140 (16'10") |
| C | Overall height | mm (ft.in) | 4265 (7'5") | 4265 (7'5") | 4215 (13'10") | 4215 (13'10") |
| | Ground pressure | $kg/cm^2$ (PSI) | 1.35 (18.77) | 1.36 (18.91) | 1.37 (19.48) | 1.38 (19.62) |
| DOZER EQUIPMENT | | | | | | |
| | Weight (Includes hydraulic control unit) | kg (lb) | 12465 (27,480) | 12650 (27,890) | 12465 (27,480) | 12650 (27,890) |
| | Length | mm (ft.in) | 5140 (16'10") | 5140 (16'10") | 5140 (16'10") | 5140 (16'10") |
| | Height | mm (ft.in) | 2265 (7'5") | 2265 (7'5") | 2265 (7'5") | 2265 (7'5") |
| D | Max. lift above ground | mm (ft.in) | 1690 (5'7") | 1690 (5'7") | 1642 (5'5") | 1642 (5'5") |
| E | Max. drop below ground | mm (ft.in) | 735 (2'5") | 735 (2'5") | 800 (2'7") | 800 (2'7") |
| F | Max. tilting adjustment | mm (ft.in) | 1065 (3'6") | 1300 (4'3") | 1065 (3'6") | 1300 (4'3") |
| UPPER ATTACHMENT | | | - | - | - | - |

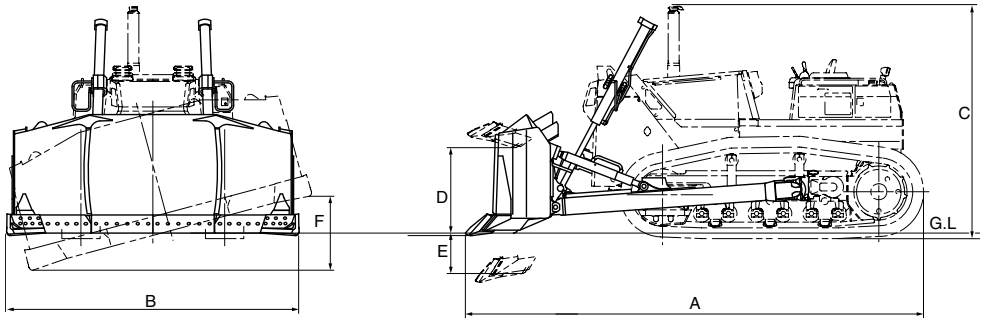
* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab
** : L: Blade length H: Blade height
*** : Dual tiltdozer
*4 : With spill guard



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| Item | | Model | D475A-5E0 | D475A-5E0*** | D575A-3 | |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 102390 (225,736) | 102840 (226,730) | 121835 (268,600) | |
| BLADE CAPACITY LH[2]** | | $m^3$ ($yd^3$) | 42.27 (55.3) | 42.27 (55.28) | 46.7 (61.1) | |
| SAE | | | 34.4 (45.0) | 34.4 (45.0) | 45 (58.9) | |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 9205 (30'2") | 9205 (30'2") | 9815 (21'8") | |
| B | Overall width | mm (ft.in) | 6205 (20'4") | 6205 (20'4") | 6800 (22'4") | |
| C | Overall height | mm (ft.in) | | 4546 (14'11") | 4495 (14'9") | |
| | Ground pressure | $kg/cm^2$ (PSI) | 1.59 (22.65) | 1.6 (22.75) | 1.56 (22.18) | |
| DOZER EQUIPMENT | | | | | | |
| | Weight (Includes hydraulic control unit) | kg (lb) | 18800 (41,446) | 19250 (42,440) | 23385 (51,550) | |
| | Length | mm (ft.in) | 6205 (20'4") | 6205 (20'4") | 6800 (22'4") | |
| | Height | mm (ft.in) | 2610 (8'7") | 2610 (8'7") | 2600 (8'6") | |
| D | Max. lift above ground | mm (ft.in) | 1620 (5'4") | 1620 (5'4") | 1850 (6'1") | |
| E | Max. drop below ground | mm (ft.in) | 1010 (3'4") | 1010 (3'4") | 900 (2'11") | |
| F | Max. tilting adjustment | mm (ft.in) | 905 (3') | 1350 (4'5") | 1600 (5'3") | |
| UPPER ATTACHMENT | | | - | - | - | |

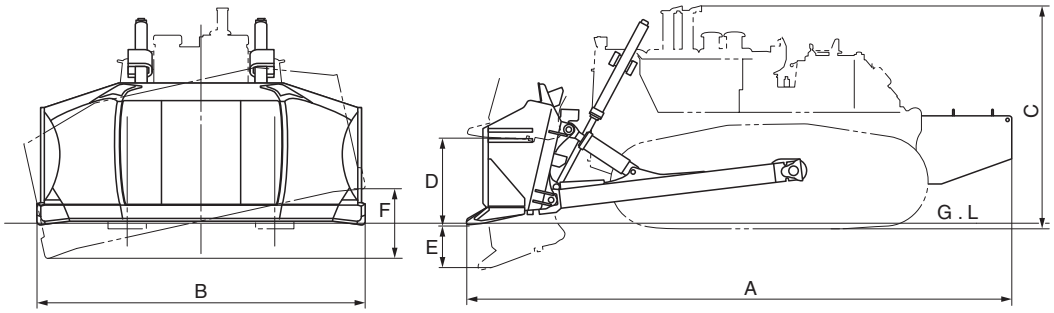
* : Including dozer equipment in addition to bare tractor, excluding ROPS and cab
** : L: Blade length H: Blade height
*** : Dual tiltdozer



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FVBH0333

| Item | | Model | D475ASD-5E0 | D575A-3 SD | | |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 112260 (247,490) | 152410 (336,000) | | |
| BLADE CAPACITY LH2** | | $m^3$ ($yd^3$) | | 69.0 (90.3) | | |
| SAE | | | 45.0 (58.9) | 60.0 (78.5) | | |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 10525 (34'6") | 11720 (38'5") | | |
| B | Overall width | mm (ft.in) | 6465 (21'3") | 7400 (24'3") | | |
| C | Overall height | mm (ft.in) | 4546 (14'11") | 4495 (14'9") | | |
| | Ground pressure | $kg/cm^2$ (PSI) | 1.53 (21.8) | 1.50 (21.33) | | |
| DOZER EQUIPMENT | | | | | | |
| | Weight (Includes hydraulic control unit) | kg (lb) | 21350 (47,070) | 32430 (71,500) | | |
| | Length | mm (ft.in) | 6465 (21'3") | 7400 (24'3") | | |
| | Height | mm (ft.in) | 2690 (8'10") | 3250 (10'8") | | |
| D | Max. lift above ground | mm (ft.in) | 1960 (6'5") | 1750 (5'9") | | |
| E | Max. drop below ground | mm (ft.in) | 860 (2'10") | 805 (2'8") | | |
| F | Max. tilting adjustment | mm (ft.in) | 900 (2'11") | 1000 (3'3") | | |
| COUNTERWEIGHT | | kg (lb) | 6400 (14,110) | 5400 (11,900) | | |
| UPPER ATTACHMENT | | | - | - | | |

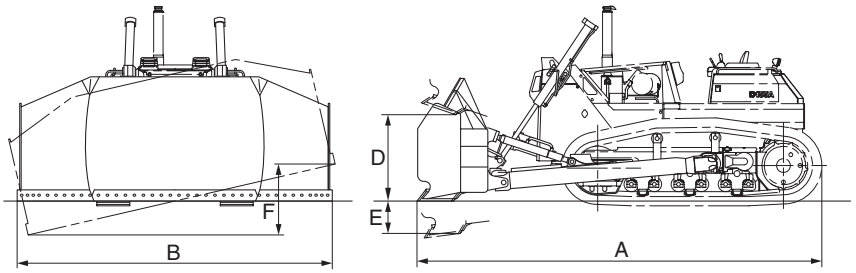
* : Including dozer equipment and counterweight in addition to bare tractor, excluding ROPS and cab
** : L: Blade length H: Blade height



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FVBH0200

| Item | | Model | D155A-5 | | | |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 33330 (73,480) | | | |
| BLADE CAPACITY LH2** SAE | | $m^3$ ($yd^3$) | 21.5 (28.1) | | | |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 6900 (22'8") | | | |
| B | Overall width | mm (ft.in) | 5300 (17'5") | | | |
| C | Overall height | mm (ft.in) | 3395 (11'2") | | | |
| | Ground pressure | $kg/cm^2$ (PSI) | 0.73 (10.5)*** | | | |
| DOZER EQUIPMENT | | | | | | |
| | Type | | Coal dozer with power tilt | | | |
| | Weight (Includes hydraulic control unit) | kg (lb) | 4930 (10,870) | | | |
| | Length | mm (ft.in) | 5300 (17'5") | | | |
| | Height | mm (ft.in) | 2125 (7'0") | | | |
| D | Max. lift above ground | mm (ft.in) | 1495 (4'11") | | | |
| E | Max. drop below ground | mm (ft.in) | 565 (1'10") | | | |
| F | Max. tilting adjustment | mm (ft.in) | 1270 (4'2") | | | |
| UPPER ATTACHMENT | | | - | | | |

* : Including dozer equipment in addition to bare tractor
** : L: Blade length H: Blade height
*** : With 710 mm (28") shoe



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The estimated production curves give maximum production before correction and are based on the following conditions.

1. 100% efficiency
2. 0.05 min time fixed (for gear shifting)
3. Machine cuts for 15 m (50 ft), then drifts blade load.
4. Gear

Machines with F3/R3

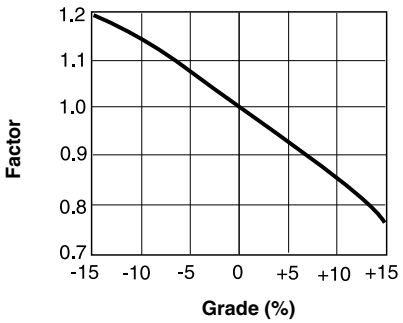
| | |
|---|---|
| Cut | : F1 |
| Carry | : F2 |
| Return | : R2 |

Actual Production = (Estimated Production) × (Blade Factor) × (Job Efficiency) × (Grade Factor)

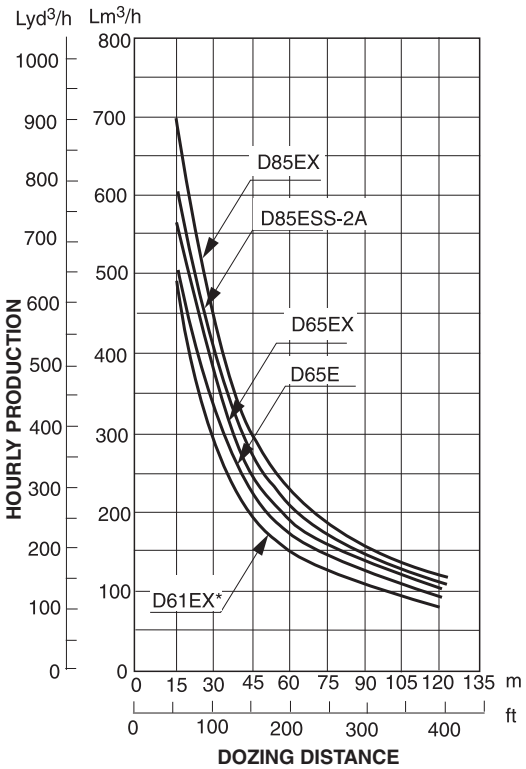
## Correction Factor

| | |
|---|---|
| BLADE FACTOR | |
| • Easy | 1.1~0.9 |
| • Average | 0.9~0.7 |
| • Rather difficult | 0.7~0.6 |
| • Difficult | 0.6~0.4 |
| JOB EFFICIENCY | |
| • Good | 0.83 (50 min out of an hour machine use) |
| • Average | 0.75 (45 min out of an hour machine use) |
| • Rather poor | 0.67 (40 min out of an hour machine use) |
| • Poor | 0.58 (35 min out of an hour machine use) |
| GRADE FACTOR | See right table |

GRADE FACTOR




**Estimated Dozing Production**
**(Straight-tiltdozer, Power angle-tiltdozer*)**



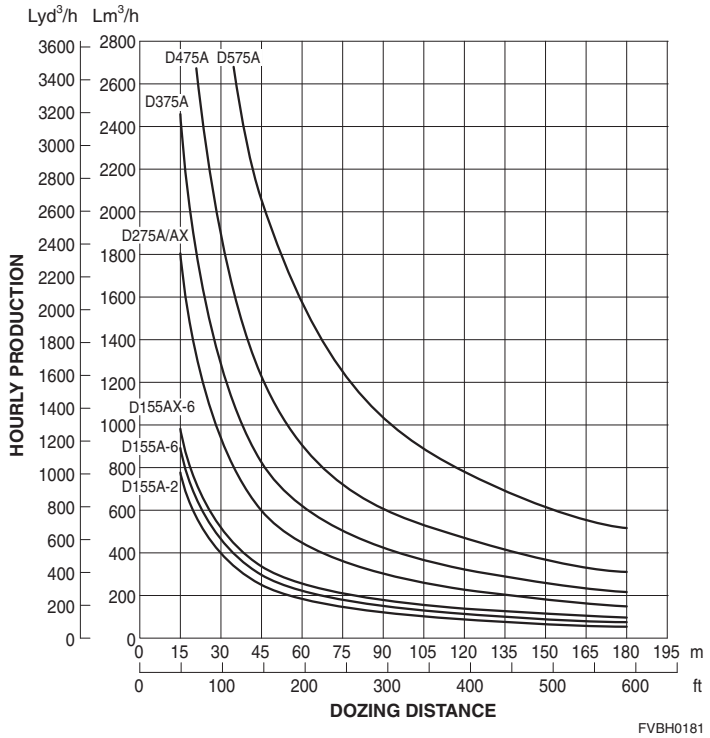


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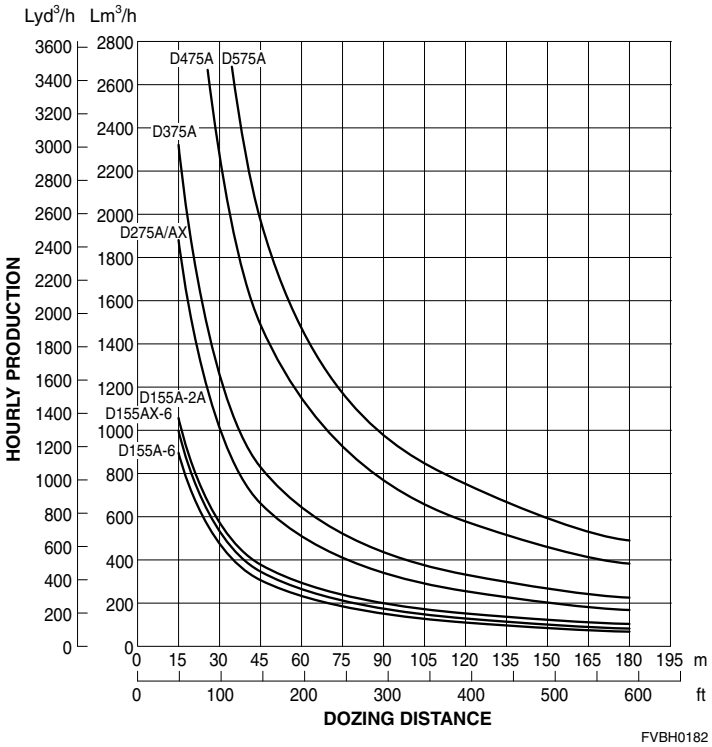
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## Estimated Dozing Production (Semi-U-tiltdozer)




## Estimated Dozing Production (U-tiltdozer)



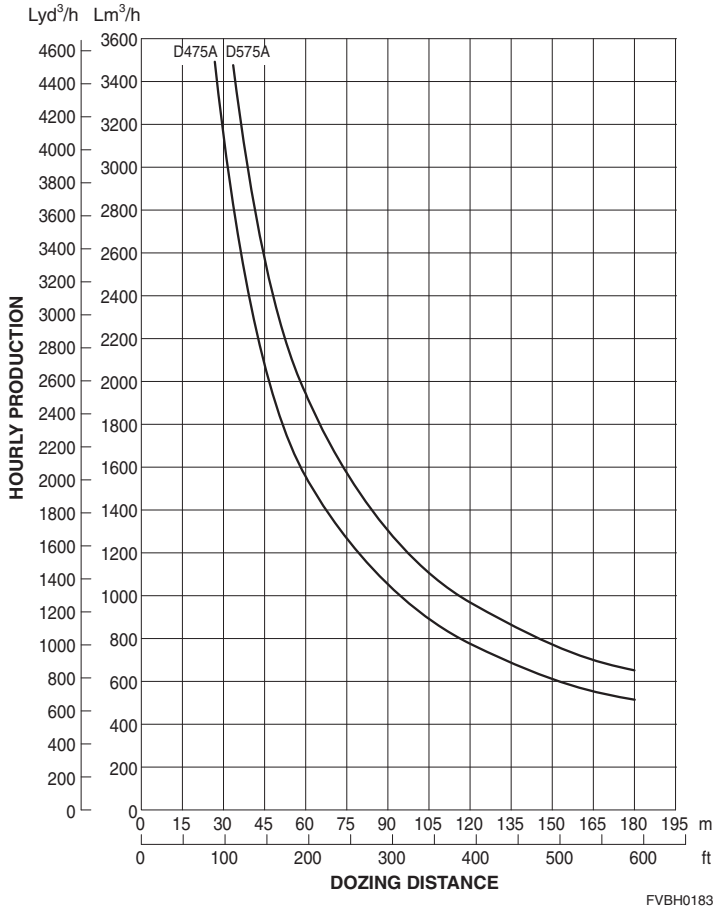



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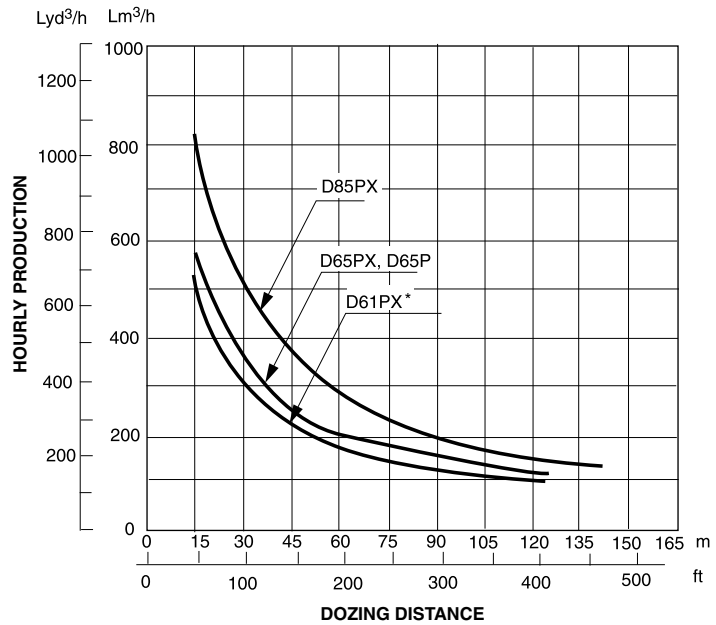
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## Estimated Dozing Production (Super Dozer)




## Estimated Dozing Production for Low Ground Pressure Bulldozers (Straight-tiltdozer, Power Angle-tiltdozer*)






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SECTION 1C

# RIPPERS

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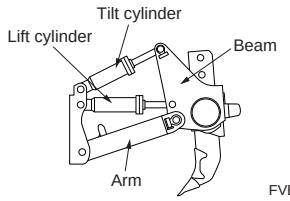
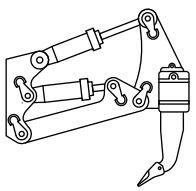
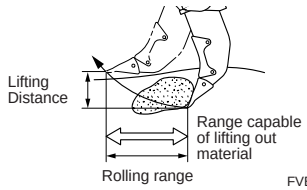
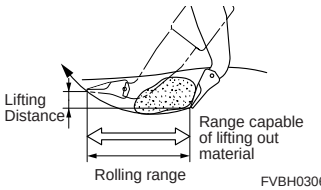
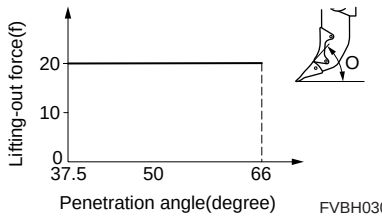
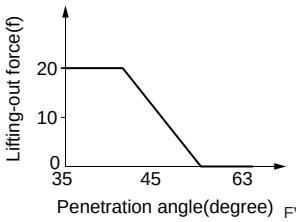
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## ■ Outstanding productivity

1. Superior ripping performance is achieved through a large operating weight, high engine output and a conventional drive undercarriage.
2. Large maximum penetration depth provides high ripper production.
3. The unique linkage design enables the ripper point to draw an ideal locus during cylinder tilting for effective excavation of embedded rocks.

   In the KOMATSU linkage, the lift cylinder is mounted on the beam, causing the point to make an ideal movement when the tilt cylinder is actuated.

   Thus, the range of digging angles practically available is wider than the conventional type range, giving excellent digging force.

| Komatsu variable type | Conventional variable type |
|---|---|
|  FVBH0302 |  FVBH0305 |
| • This patented mechanism lets the point make an ideal movement when the tilt cylinder is in action, which in turn gives rise to a large digging force over the entire digging angle range. | • After penetrating the ground, the point makes longer downward movements, resulting in a narrow digging angle range in which materials can be lifted or rolled out. |
|  FVBH0303 |  FVBH0306 |
| (Relationship between the digging angle and the digging force when the tilt cylinder is in action) | |
|  FVBH0304 |  FVBH0307 |

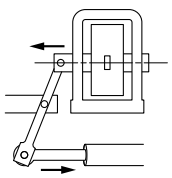
## ■ Minimum downtime

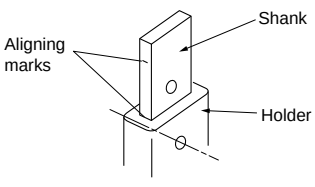
1. Large sectional area of the beam extends service life.
2. The forged ripper points are sharpened for excellent penetration and long service life.

## ■ Easy operation

1. Optional pin puller facilitates change in digging depth.

   The optional pin puller mechanism functions to insert or remove the pin from its hole. This is accomplished with a hydraulic cylinder and can be accomplished by an experienced operator, from within the cab. This feature thus provides a time savings benefit.


Pin puller hydraulic cylinder

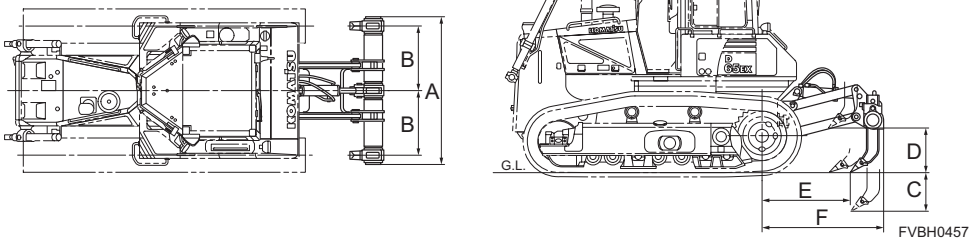


FVBH0308


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| Item | | Model | D31EX-22 | D37EX-22 | D37EX-23 | D39EX-22 |
|---|---|---|---|---|---|---|
| | RIPPER EQUIPMENT: | | | | | |
| | Type | | Parallelogram | Parallelogram | Parallelogram | Parallelogram |
| | Weight** | kg (lb) | 700 (1,540)*4 | 700 (1,540)*4 | 700 (1,540)*4 | 700 (1,540)*4 |
| A | Beam length | mm (ft.in) | 1569 (5'2") | 1569 (5'2") | 1569 (5'2") | 1569 (5'2") |
| | Shanks: | | | | | |
| | No. of shanks | | 3 | 3 | 3 | 3 |
| | Tooth point | | Replaceable | Replaceable | Replaceable | Replaceable |
| B | Pitch (3 shank) | mm (ft.in) | 700 (2'4") | 700 (2'4") | 700 (2'4") | 700 (2'4") |
| | Pitch (2 shank) | mm (ft.in) | | | | |
| | Digging angle | degree | Fixed | Fixed | Fixed | Fixed |
| | Digging depth | | Fixed | Fixed | Fixed | Fixed |
| C | Max. digging depth | mm (ft.in) | 339 (1'1") | 339 (1'1") | 326 (1'1") | 273 (10.7") |
| D | Max. lift above ground | mm (ft.in) | 387 (1'3") | 387 (1'3") | 369 (1'3") | 453 (1'6") |
| E | Ripper point reach | mm (ft.in) | 1363 (4'6") | 1273 (4'2") | 1272 (4'2") | 1228 (4'0") |
| F | Tail length | mm (ft.in) | 1657 (5'5") | 1567 (5'2") | 1567 (5'2") | 1522 (5'0") |
| | HYDRAULIC CONTROL UNIT* | kg (lb) | 20 (44) | 20 (44) | 20 (44) | 20 (44) |

| Item | | Model | D39EX-23 | D61EX-15E0 | D61EX-23 | D63E-12*** |
|---|---|---|---|---|---|---|
| | RIPPER EQUIPMENT: | | | | | |
| | Type | | Parallelogram | Parallelogram | Parallelogram | Parallelogram |
| | Weight** | kg (lb) | 700 (1,540)*4 | 1645 (3,630) | 1790 (3,950) | 1645 (3,630) |
| A | Beam length | mm (ft.in) | 1569 (5'2") | 2170 (7'1") | 2170 (7'1") | 2170 (7'1") |
| | Shanks: | | | | | |
| | No. of shanks | | 3 | 3 | 3 | 3 |
| | Tooth point | | Replaceable | Replaceable | Replaceable | Replaceable |
| B | Pitch (3 shank) | mm (ft.in) | 700 (2'4") | 950 (3'1") | 950 (3'1") | 950 (3'1") |
| | Pitch (2 shank) | mm (ft.in) | | 1900 (6'3") | 1900 (6'3") | 1900 (6'3") |
| | Digging angle | degree | Fixed | 55°, 45° 2-stage adjustable | 55° | 55°,45° 2-stage adjustable |
| | Digging depth | | Fixed | 3-stage adjustable | 3-stage adjustable | 3-stage adjustable |
| C | Max. digging depth | mm (ft.in) | 263 (10.4") | 665 (2'2") | 665 (2'2") | 655 (2'2") |
| D | Max. lift above ground | mm (ft.in) | 463 (1'6") | 565 (1'10") | 565 (1'10") | 575 (1'10") |
| E | Ripper point reach | mm (ft.in) | 1277 (4'2") | 1295 (4'3") | 1315 (4'4") | 1295 (4'3") |
| F | Tail length | mm (ft.in) | 1572 (5'2") | 1790 (5'10") | 1805 (5'11") | 1790 (5'10") |
| | HYDRAULIC CONTROL UNIT* | kg (lb) | 20 (44) | 35 (77) | 35 (77) | 35 (77) |

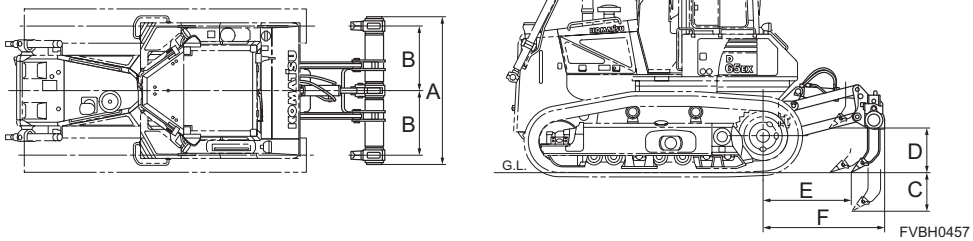
* : Including additional oil weight, except D85A
** : Including the hydraulic control unit
*** : for Russia
*4 : Including the ripper bracket



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| Item | | Model | D65E-12 | D65EX-16 | D65EX-17 | D85ESS-2A |
|---|---|---|---|---|---|---|
| | RIPPER EQUIPMENT: | | | | | |
| | Type | | Parallelogram | Parallelogram | Parallelogram | Parallelogram |
| | Weight** | kg (lb) | 1680 (3,700) | 1770 (3,900) | 1770 (3,900) | 1680 (3,700) |
| A | Beam length | mm (ft.in) | 2170 (7'1") | 2170 (7'1") | 2170 (7'1") | 2170 (7'1") |
| | Shanks: | | | | | |
| | No. of shanks | | 3 | 3 | 3 | 3 |
| | Tooth point | | Replaceable | Replaceable | Replaceable | Replaceable |
| B | Pitch (3 shank) | mm (ft.in) | 950 (3'1") | 950 (3'1") | 950 (3'1") | 950 (3'1") |
| | Pitch (2 shank) | mm (ft.in) | 1900 (6'3") | 1900 (6'3") | 1900 (6'3") | 1900 (6'3") |
| | Digging angle | degree | 55°,45° | 55° | 55° | |
| | | | 2-stage adjustable | | | 2-stage adjustable |
| | Digging depth | | 3-stage adjustable | 2-stage adjustable | 2-stage adjustable | 3-stage adjustable |
| C | Max. digging depth | mm (ft.in) | 590 (1'11") | 595 (1'11") | 595 (1'11") | 595 (1'11") |
| D | Max. lift above ground | mm (ft.in) | 645 (2'1") | 635 (2'1") | 635 (2'1") | 640 (2'1") |
| E | Ripper point reach | mm (ft.in) | 1300 (4'3") | 1300 (4'3") | 1300 (4'3") | 1295 (4'3") |
| F | Tail length | mm (ft.in) | 1795 (5'11") | 1795 (5'11") | 1795 (5'11") | 1790 (5'10") |
| | HYDRAULIC CONTROL UNIT* | kg (lb) | 70 (154) | 24 (53) | 24 (53) | 70 (154) |

| Item | | Model | D85EX-15E0<br>D85EX-15R | | | |
|---|---|---|---|---|---|---|
| | RIPPER EQUIPMENT: | | | | | |
| | Type | | Parallelogram | | | |
| | Weight** | kg (lb) | 2500 (5,520) | | | |
| A | Beam length | mm (ft.in) | 2227 (7'4") | | | |
| | Shanks: | | | | | |
| | No. of shanks | | 3 | | | |
| | Tooth point | | Replaceable | | | |
| B | Pitch (3 shank) | mm (ft.in) | 1000 (3'3") | | | |
| | Pitch (2 shank) | mm (ft.in) | 2000 (6'7") | | | |
| | Digging angle | degree | 54.5° | | | |
| | Digging depth | | 2-stage adjustable | | | |
| C | Max. digging depth | mm (ft.in) | 655 (2'2") | | | |
| D | Max. lift above ground | mm (ft.in) | 565 (1'10") | | | |
| E | Ripper point reach | mm (ft.in) | 1480 (4'10") | | | |
| F | Tail length | mm (ft.in) | 2075 (6'10") | | | |
| | HYDRAULIC CONTROL UNIT* | kg (lb) | | | | |

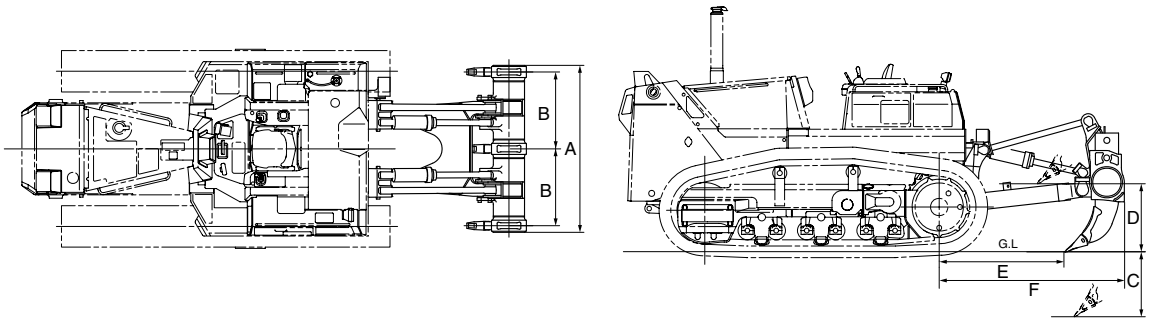
* : Including additional oil weight, except D85A
** : Including the hydraulic control unit



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| Item | | Model | D155A-5 | D155AX-6<br>D155A-6 | D155AX-7 | D275A-5<br>D275A-5E0<br>D275A-5R |
|---|---|---|---|---|---|---|
| | RIPPER EQUIPMENT:<br>Type | | Variable digging angle type | Variable digging angle type | Variable digging angle type | Variable digging angle type |
| | Weight** | kg (lb) | 3710 (8,180) | 3760 (8,290) | 3760 (8,290) | 4462 (9,840) |
| A | Beam length | mm (ft.in) | 2260 (7'5") | 2320 (7' 7") | 2320 (7'7") | 2495 (8'2") |
| | Shanks: | | | | | |
| | No. of shanks | | 3 | 3 | 3 | 3 |
| | Tooth point | | Replaceable | Replaceable | Replaceable | Replaceable |
| B | Pitch (3 shank) | mm (ft.in) | 1040 (3'5") | 1070 (3'6") | 1070 (3'6") | 1130 (3'8") |
| | Pitch (2 shank) | mm (ft.in) | 2080 (6'10") | 2140 (7'0") | 2140 (7'0") | 2260 (7'5") |
| | Digging angle | degree | Std:49°<br>Stepless adjustable | Std:49°<br>Stepless adjustable | Std:49°<br>Stepless adjustable | Std:51.7°<br>Stepless adjustable |
| | Digging depth | | 2-stage adjustable | 2-stage adjustable | 2-stage adjustable | 2-stage adjustable |
| C | Max. digging depth | mm (ft.in) | 870 (2'10") | 900 (2' 11") | 900 (2'11") | 900 (2'11") |
| D | Max. lift above ground | mm (ft.in) | 925 (3') | 950 (3' 1") | 950 (3'1") | 955 (3'2") |
| E | Ripper point reach | mm (ft.in) | 1700 (5'7") | 2100 (6'11") | 2100 (6'11") | 1905 (6'3") |
| F | Tail length | mm (ft.in) | 2510 (8'3") | 2745 (9'0") | 2745 (9'0") | 2675 (8'9") |
| | HYDRAULIC CONTROL UNIT* | kg (lb) | 90 (200) | | | 120 (260) |

| Item | | Model | D375A-5 | D375A-5R | D375A-6 | D375A-6R |
|---|---|---|---|---|---|---|
| | RIPPER EQUIPMENT:<br>Type | | Variable digging angle type | Variable digging angle type | Variable digging angle type | Variable digging angle type |
| | Weight** | kg (lb) | 6720 (14,810) | 6720 (14,810) | 6800 (14,990) | 6800 (14,810) |
| A | Beam length | mm (ft.in) | 2854 (9'4") | 2854 (9'4") | 2910 (9'7") | 2910 (9'7") |
| | Shanks: | | | | | |
| | No. of shanks | | 3 | 3 | 3 | 3 |
| | Tooth point | | Replaceable | Replaceable | Replaceable | Replaceable |
| B | Pitch (3 shank) | mm (ft.in) | 1320 (4'4") | 1320 (4'4") | 1320 (4'4") | 1320 (4'4") |
| | Pitch (2 shank) | mm (ft.in) | 2640 (8'8") | 2640 (8'8") | 2640 (8'8") | 2640 (8'8") |
| | Digging angle | degree | Std:45°<br>Stepless adjustable | Std:45°<br>Stepless adjustable | Std:45°<br>Stepless adjustable | Std:45°<br>Stepless adjustable |
| | Digging depth | | 2-stage adjustable | 2-stage adjustable | 2-stage adjustable | 2-stage adjustable |
| C | Max. digging depth | mm (ft.in) | 1075 (3'6") | 1170 (3'10") | 1140 (3'9") | 1190 (3'11") |
| D | Max. lift above ground | mm (ft.in) | 1050 (3'5") | 1090 (3'7") | 1135 (3'9") | 1082 (3'7") |
| E | Ripper point reach | mm (ft.in) | 2365 (7'9") | 2365 (7'9") | 2345 (7'9") | 2345 (7'9") |
| F | Tail length | mm (ft.in) | 3160 (10'4") | 3160 (10'4") | 3170 (10'5") | 3165 (10'5") |
| | HYDRAULIC CONTROL UNIT* | kg (lb) | 220 (490) | 220 (490) | | |

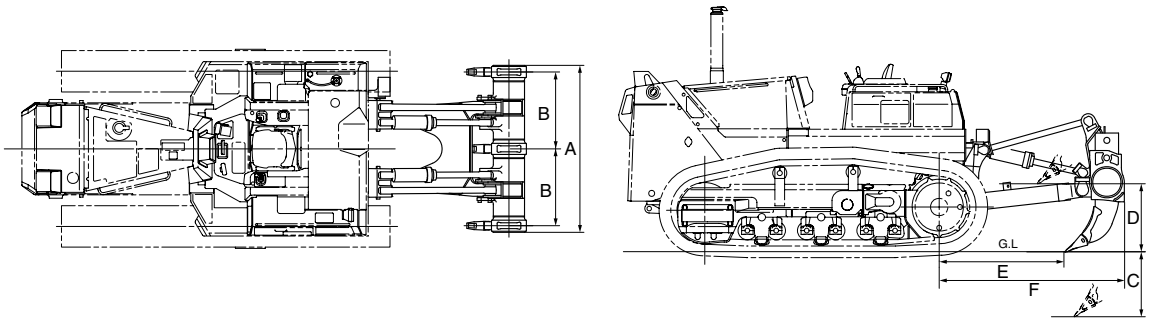
* : Including additional oil weight
** : Including the hydraulic control unit



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| Item | | Model | D475A-5E0 | | | |
|---|---|---|---|---|---|---|
| | RIPPER EQUIPMENT: | | | | | |
| | Type | | Variable digging angle type | | | |
| | Weight** | kg (lb) | 9720 (21,430) | | | |
| A | Beam length | mm (ft.in) | 3085 (10' 1") | | | |
| | Shanks: | | | | | |
| | No. of shanks | | 3 | | | |
| | Tooth point | | Replaceable | | | |
| B | Pitch (3 shank) | mm (ft.in) | 1385 (4'7") | | | |
| | Pitch (2 shank) | mm (ft.in) | 2770 (9'1") | | | |
| | Digging angle | degree | Std:45° Stepless adjustable | | | |
| | Digging depth | | 2-stage adjustable | | | |
| C | Max. digging depth | mm (ft.in) | 1124 (3' 8") | | | |
| D | Max. lift above ground | mm (ft.in) | 1196 (3' 11") | | | |
| E | Ripper point reach | mm (ft.in) | 2575 (8'5") | | | |
| F | Tail length | mm (ft.in) | 3940 (11'5") | | | |
| | HYDRAULIC CONTROL UNIT* | kg (lb) | 120 (260) | | | |

| Item | | Model | | | | |
|---|---|---|---|---|---|---|
| | RIPPER EQUIPMENT: | | | | | |
| | Type | | | | | |
| | Weight** | kg (lb) | | | | |
| A | Beam length | mm (ft.in) | | | | |
| | Shanks: | | | | | |
| | No. of shanks | | | | | |
| | Tooth point | | | | | |
| B | Pitch (3 shank) | mm (ft.in) | | | | |
| | Pitch (2 shank) | mm (ft.in) | | | | |
| | Digging angle | degree | | | | |
| | Digging depth | | | | | |
| C | Max. digging depth | mm (ft.in) | | | | |
| D | Max. lift above ground | mm (ft.in) | | | | |
| E | Ripper point reach | mm (ft.in) | | | | |
| F | Tail length | mm (ft.in) | | | | |
| | HYDRAULIC CONTROL UNIT* | kg (lb) | | | | |

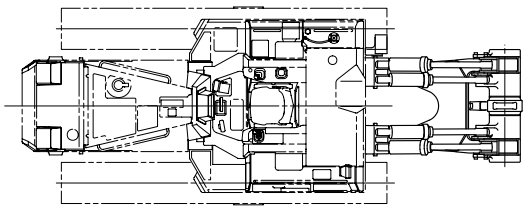
* : Including additional oil weight
** : Including the hydraulic control unit

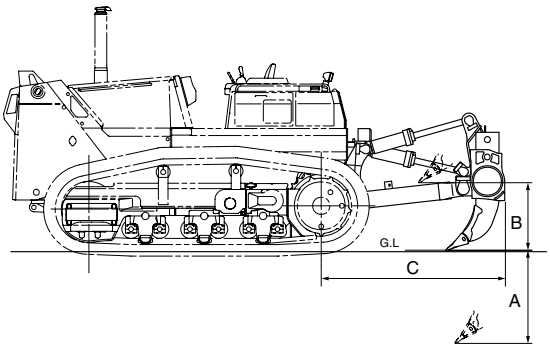


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| Item | | Model | D155A-5 | D155AX-6 | D155AX-6*** | D155A-6 |
|---|---|---|---|---|---|---|
| | RIPPER EQUIPMENT: | | | | | |
| | Type | | Variable digging angle type | Variable digging angle type | Variable digging angle type | Variable digging angle type |
| | Weight** | kg (lb) | 2760 (6,080) | 2440 (5380) | 3380 (7450) | 3380 (7450) |
| | Shanks: | | | | | |
| | No. of shanks | | 1 | 1 | 1 | 1 |
| | Tooth point | | Reversible | Reversible | Reversible | Reversible |
| | Digging angle | degree | Std:49° Stepless adjustable | Std:49° Stepless adjustable | Std:49° Stepless adjustable | Std:45° Stepless adjustable |
| | Digging depth | | 3-stage adjustable | 3-stage adjustable | 3-stage adjustable | 3-stage adjustable |
| A | Max. digging depth | mm (ft.in) | 1220 (4') | 1240 (4'1") | 1370 (4'6") | 1370 (4'6") |
| B | Max. lift above ground | mm (ft.in) | 925 (3') | 950 (3'1") | 945 (3'1") | 900 (2'11") |
| C | Tail length | mm (ft.in) | 2510 (8'3") | 2745 (9'0") | 3100 (10'2") | 3100 (10'2") |
| | HYDRAULIC CONTROL UNIT* | kg (lb) | 90 (200) | | | |

| Item | | Model | D155AX-7 | D275A-5 D275A-5R | D275AX-5E0 | D375A-5 |
|---|---|---|---|---|---|---|
| | RIPPER EQUIPMENT: | | | | | |
| | Type | | Variable digging angle type | Variable digging angle type | Variable digging angle type | Variable digging angle type |
| | Weight** | kg (lb) | 2440 (5,380) | 4600 (10,140) | 3600 (7,940) | 5470 (12,060) |
| | Shanks: | | | | | |
| | No. of shanks | | 1 | 1 | 1 | 1 |
| | Tooth point | | Replaceable | Replaceable | Replaceable | Replaceable |
| | Digging angle | degree | Std:49° Stepless adjustable | Stepless adjustable | Std:42.7° Stepless adjustable | Std:45° Stepless adjustable |
| | Digging depth | | 3-stage adjustable | 3-stage adjustable | 3-stage adjustable | 3-stage adjustable |
| A | Max. digging depth | mm (ft.in) | 1240 (4'1") | 1420 (4'8") | 1300 (4'3") | 1435 (4'8") |
| B | Max. lift above ground | mm (ft.in) | 950 (3'1") | 1195 (3'11") | 870 (2'10") | 1060 (3'6") |
| C | Tail length | mm (ft.in) | 3045 (10'0") | 3060 (10'0") | 3030 (9'11") | 3450 (11'4") |
| | HYDRAULIC CONTROL UNIT* | kg (lb) | | 120 (260) | 120 (260) | 60 (130) |

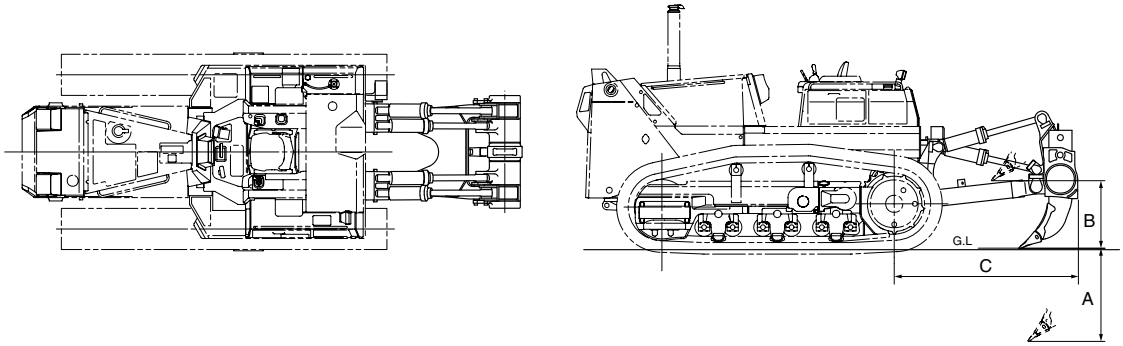
* : Including additional oil weight , except D85A
** : Including the hydraulic control unit



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| Item | | Model | D375A-5R | D375A-6 | D375A-6R | D475A-5E0 |
|---|---|---|---|---|---|---|
| | RIPPER EQUIPMENT: | | | | | |
| | Type | | Variable digging angle type | Variable digging angle type | Variable digging angle type | Variable digging angle type |
| | Weight** | kg (lb) | 5470 (12,060) | 6200 (13,670) | 6200 (13,670) | 7360 (16,230) |
| | Shanks: | | | | | |
| | No. of shanks | | 1 | 1 | 1 | 1 |
| | Tooth point | | Replaceable | Replaceable | Replaceable | Replaceable |
| | Digging angle | degree | Std:45° Stepless adjustable | Std:45° Stepless adjustable | Std:45° Stepless adjustable | Std:45° Stepless adjustable |
| | Digging depth | | 3-stage adjustable | 2-stage adjustable | 2-stage adjustable | 4-stage adjustable |
| A | Max. digging depth | mm (ft.in) | 1420 (4' 8") | 1485 (4'10") | 1538 (5'1") | 1744 (5' 9") |
| B | Max. lift above ground | mm (ft.in) | 1420 (4' 8") | 1100 (3'7") | 1050 (3'5") | 1196 (3' 11") |
| C | Tail length | mm (ft.in) | 3450 (11' 4") | 3460 (11' 4") | 3460 (11' 4") | 3720 (12'2") |
| | HYDRAULIC CONTROL UNIT* | kg (lb) | | | | |

| Item | | Model | D575A-3 | | | |
|---|---|---|---|---|---|---|
| | RIPPER EQUIPMENT: | | | | | |
| | Type | | Variable digging angle type | | | |
| | Weight** | kg (lb) | 10530 (23,210) | | | |
| | Shanks: | | | | | |
| | No. of shanks | | 1 | | | |
| | Tooth point | | Replaceable | | | |
| | Digging angle | degree | Std:45° Stepless adjustable | | | |
| | Digging depth | | 5-stage adjustable | | | |
| A | Max. digging depth | mm (ft.in) | 2050 (6' 9") | | | |
| B | Max. lift above ground | mm (ft.in) | 1290 (4' 3") | | | |
| C | Tail length | mm (ft.in) | 3755 (12' 4") | | | |
| | HYDRAULIC CONTROL UNIT* | kg (lb) | 150 (330) | | | |

* : Including additional oil weight , except D85A
** : Including the hydraulic control unit

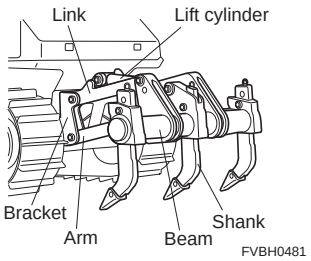


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### Multi-shank rippers (Rigid type)

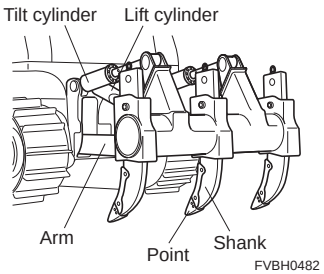
Highly efficient ripping of soft rock is possible with three shanks. The parallelogram ripper linkage maintains the shanks at the optimum digging angle during operation, regardless of the shank's penetrating depth.




### Multi-shank rippers (Variable type)

The ripper point angle can be varied hydraulically to suit the specific ground conditions.

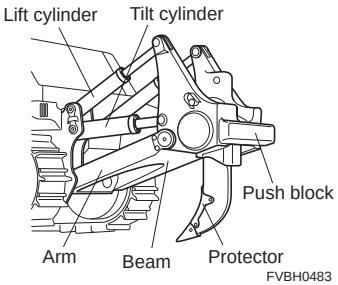
The ideal movement of ripper points ensures powerful digging force throughout the entire digging angle range.



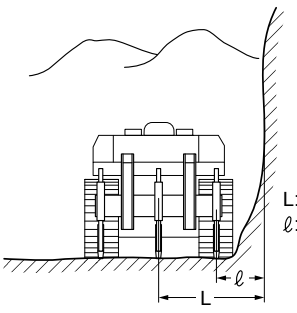
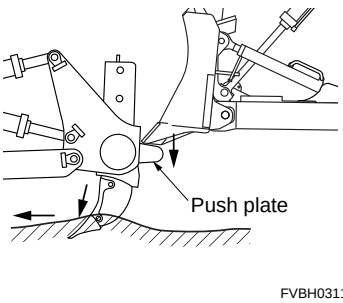

### Giant rippers (Variable type)

Specially made to handle hard rock with reinforced beam and a shank.

The tilt angle of the ripper point is adjustable for better penetration and fragmentation.




## 1. COMPARISON BETWEEN THE MULTI-SHANK AND GIANT (SINGLE SHANK) RIPPERS

| Multi-shank Ripper | | Giant Ripper | |
|---|---|---|---|
| M-1 | Three tips provide high efficiency ripping of soft rock. | G-1 | Sturdy construction. Suitable for harder rocks. |
| M-2 | Foot of cliffs or slopes can be ripped by using the left or right tip. | G-2 | Push plate allows tandem ripping. |
| |   | |   |
| M-3 | Adaptable to hard or soft rock by increasing or decreasing the number of shanks. | G-3 | Deep penetration and large distance from shank to rear of bulldozer make it possible to handle large rocks. |
| | | G-4 | Pin puller simplifies changing shank length. |

## 2. COMPARISON BETWEEN THE RIGID AND VARIABLE TYPE RIPPERS

| Rigid type Ripper | | Variable type Ripper | |
|---|---|---|---|
| F-1 | Simple construction and low price. | V-1 | Digging angle can be adjusted to obtain optimum conditions for type of rock and slope of ground. |
| F-2 | Constant digging angle. | V-2 | Digs out boulders easily. |
| F-3 | Simple hydraulic circuit means fewer oil leaks. | V-3 | Tilting function makes it possible to cut roots. |


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**Various types of ripper points are available, and the general standards for selection according to the type of use are given below.**

## 1. Types of ripper points

Ripper points are categorized according to the following three items.

| | |
|---|---|
| **Material** | There are two main types: Heat-resistant type and high-toughness type. These are distinguished with a red mark and yellow mark, respectively. |
| **Point length** | There are two types: Long and short |
| **Shape** | There are two types: A symmetric type that can be turned and the non-symmetric type that cannot be turned. |

When combining of these categories, 4~7 types of points are available for each model.

## 2. Features of each type of point

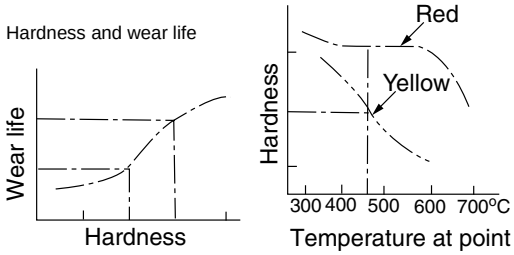
| | |
|---|---|
| **Red** | Has high resistance to wear from generation of heat at the point tip, but compared with the yellow point, it lacks toughness. |
| **Yellow** | Compared with the red point, this has excellent toughness, but it has inferior wear life when heat is generated at the point. |

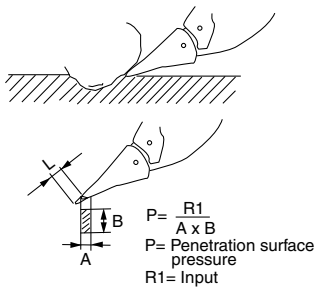
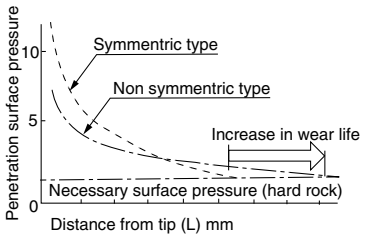
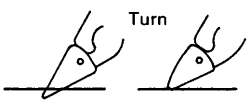
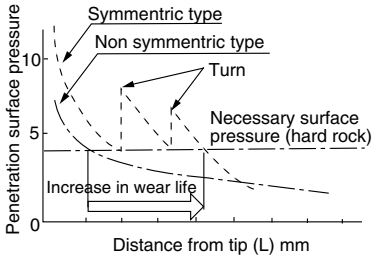
If the point does not dig into the rock, but slips on the rock surface, the friction heat between the point and rock causes an extreme rise in temperature of the point, thus reducing point hardness.

There is a close relationship between hardness and wear: The higher the hardness, the less the wear.

Also there is a close relationship between increased temperature of the point and excellent wear of the point (abnormal wear).

The red point has superior heat resistance, it retains its hardness better than the yellow point as the temperature increases. Thus , the red point is advantageous for hard rock applications, which is where extreme point temperatures are typically seen. The trade off is that due to the higher hardness of the point, it is more brittle, and thus more susceptible.




| | |
|---|---|
| **Long** | Has a wear life 1.5 ~ 2.0 times greater than the short point, but its strength is inferior to the short point because of its extra length. |
| **Short** | Compared with the long point, it has superior strength, but has inferior wear life compare to the long point. |
| **Non-symmetric type** | This has a self-sharpening shape, so it always retains its cutting edge, and provides a long life on jobsites where there is soft rock and penetration ability is not required. The rib provided only on the top surface wears gradually under the flow of the soil, and there is no change in the penetration surface pressure.     |
| **Symmetric type (can be turned)** | On hard rock where penetration ability is needed, it is possible to restore the penetration ability by turning the point.     |


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**The table below gives a summary of the features of each type of point.**

| Length | Color | Shape | Seismic velocity | Wear tolerance | Strength, resistance to impact | Abnormal wear | Penetration | Cost |
|---|---|---|---|---|---|---|---|---|
| Short | Yellow | Symmetric type | No particular limit | ○ | ⊙ | ○ | ⊙ | 4 |
| | | Non symmetric type | | | | | ○ | |
| | Red | Symmetric type | | | ○ | ⊙ | ⊙ | 2 |
| | | Non symmetric type | | | | | ○ | |
| Long | Yellow | Non symmetric type | (As a guideline) Max. 1500m/sec | | ○ | ○ | ○ | 3 |
| | Red | Non symmetric type | | | △ | ⊙ | ○ | 1 |

Key ⊙: Good, ○: Average, △: Poor
Cost: 1 (Most expensive), 4 (Least expensive)

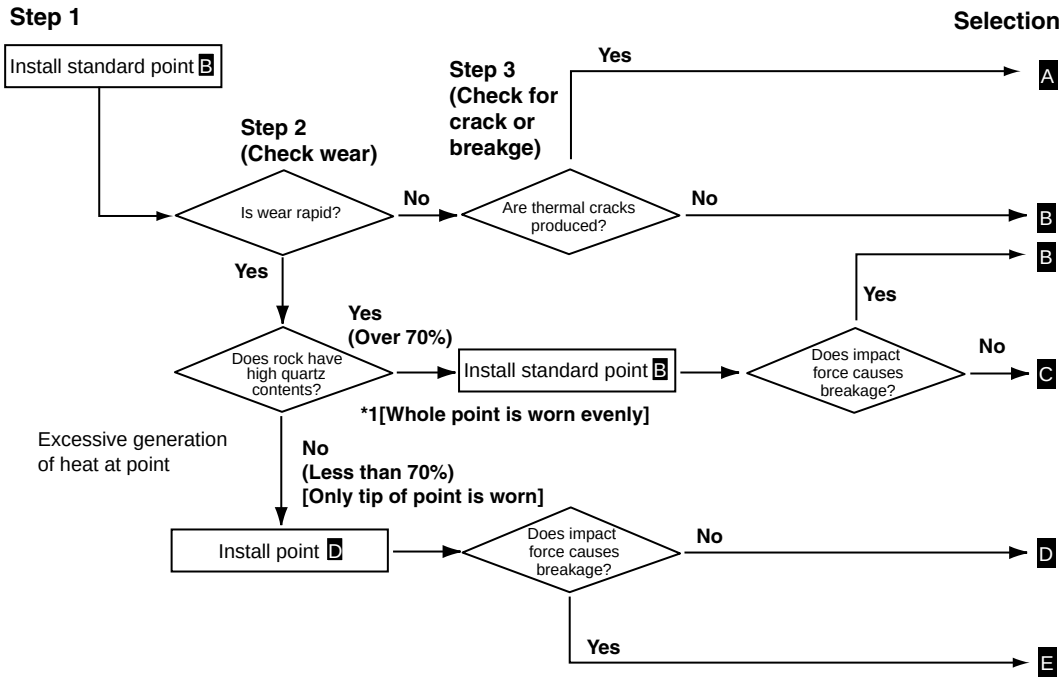


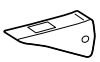
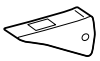
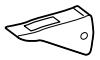
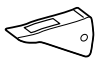
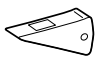
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## Procedure for selection




| Selection | Typical rock | | | Suitable point | | Availability | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Hardness | Type of rock | Features | | Shape | D85EX-15E0 D85EX-15R | D155A-6 D155AX-6 D155AX-7 | D275A-5 D275AX-5E0 D275A-5R | D375A-6 D375A-6R | D475A-5E0 |
| A | Soft ↕ Hard | Shale, lime stone | • Little quartz, little wear<br>• Deposited in layers, so ripping is easy | Point for limestone<br>• Symmetric shape<br>• Yellow<br>• Short |  | | | ○ | ○ | ○ |
| B | Soft ↕ Hard | All types of general rock | — | Standard point<br>• Symmetric shape<br>• Yellow<br>• Short |  | ○ | ○ | ○ | ○ | ○ |
| C | Soft ↕ Midium | Sandstone | • Proportion of quartz is extremely high (70%-95%), point wears rapidly | Non-symmetric Shape<br>• Yellow<br>• Long |  | ○ | ○ | ○ | ○ | ○ |
| D → Soft<br>↕<br>E → Hard | | Basalt andesite, granite, chert | • Proportion of quartz is not so high (40%-70%)<br>• Rock is not composed of layers or seams, so heat is generated at point, point wears rapidly, ripping is difficult | Non-Symmetric Shape<br>• Red<br>• Long |  | ○ | ○ | ○ | ○ | ○ |
| | | | | Symmetric Shape<br>• Red<br>• Short |  | ○ | ○ | ○ | ○ | ○ |

* 1:When the point is worn uniformly, not only the tip of the point is worn, but also the thickness of the housing metal (place where shank enters) is also worn.
On job sites where wear is rapid, it does not necessarily mean that the red point is suitable. There are many reasons why the point wears. Of these, rock hardness and the silica content are major causes.
Therefore, even on soft rock, if there is a high silica content, there will be rapid wear of the point even though the temperature of the point does not rise greatly.
As explained under the features of the red point, in such job sites, the advantages of the red point cannot be made use of. (On these job sites, there is no great difference in the wear life between the red and yellow points.)



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Not all material can be ripped. Whether or not a rock can be ripped can be determined by any of the following methods:

1) By the type of rock
2) By an indoor rock test
3) By a field rock test
4) By a digging test with the ripper in the field.

Method 4) is most effective. If the user has no experience in ripping, an actual ripping operation should be demonstrated for the user by an operator experienced in ripping. Methods 1) and 3) are described below :

## Determination of rippability by type of rock

Rocks are classified into sedimentary (aqueous), igneous, and metamorphic. The following general rules apply:

1) Sedimentary rocks such as sandstone, limestone, and shale can be ripped easily. Sedimentary rocks are usually found stratified in layers which vary in thickness. The thinner the layers, the easier it is to rip them.
2) Igneous rocks such as granite, basalt, and andesite are not found in distinct layers or cleavage planes, and this makes them difficult to rip.
3) Metamorphic rocks such as gneiss, schist, and quartzite vary in rippability according to the degree of stratification or cleavage.

Rippability depends not only on the type of rock, but also on the degree of weathering or fracturing.

Characteristics which determine the ease of rippability are summarized below.

- **Favorable rock for ripping**
  - Stratified
  - Weathered
  - Brittle, crystalline nature
  - High degree of laminations or thin layers.
  - Fractured
  - Faults or planes of weakness.

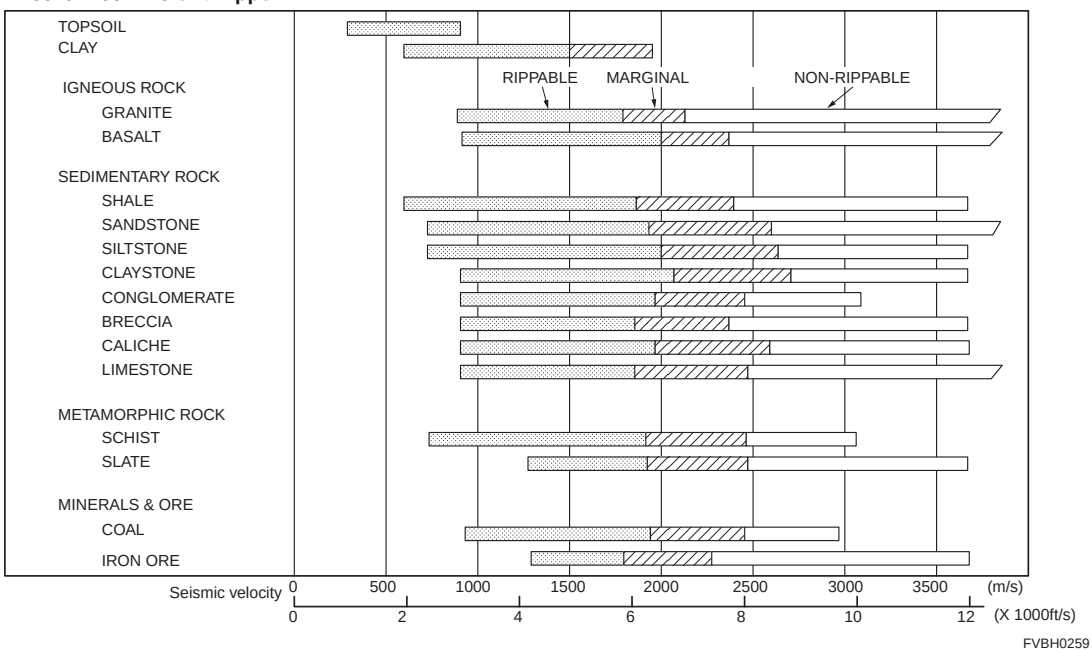
- **Unfavorable rock for ripping**
  - Fine-grained with a solid cementing agent.
  - Moisture, which tends to solidify the rock surface layer.
  - Lacking planes of weakness
  - Massive and homogeneous
  - Non-crystalline and not brittle

## Determination of rippability by in-the-field rock test.

Seismic wave velocity tests are used to estimate the rippability of rock. In this test, an artificial earthquake is introduced and the travel speeds of seismic waves through different kinds of sub-surface materials are measured. Thus the degree of consolidation, thickness of sub-surface layers, hardness, degree of fracturing, stratification, and weathering can be determined .

The chart below compares ripper performance to seismic velocities. It should be used ONLY A ROUGH GUIDE, because ripper performance is subject to many other conditions.

**D155A/D155AX Giant Ripper**



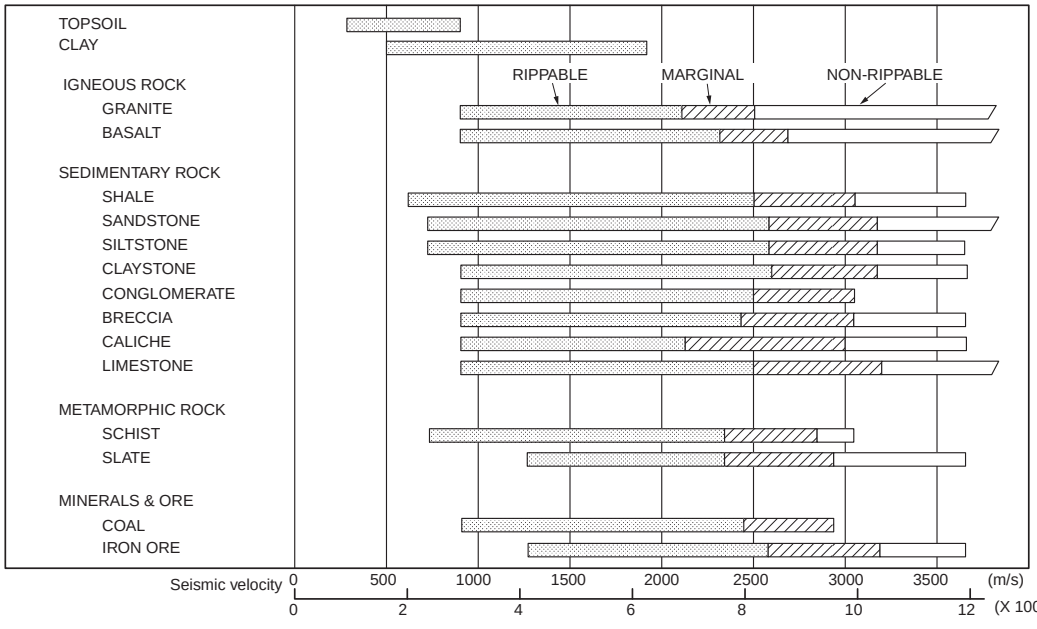

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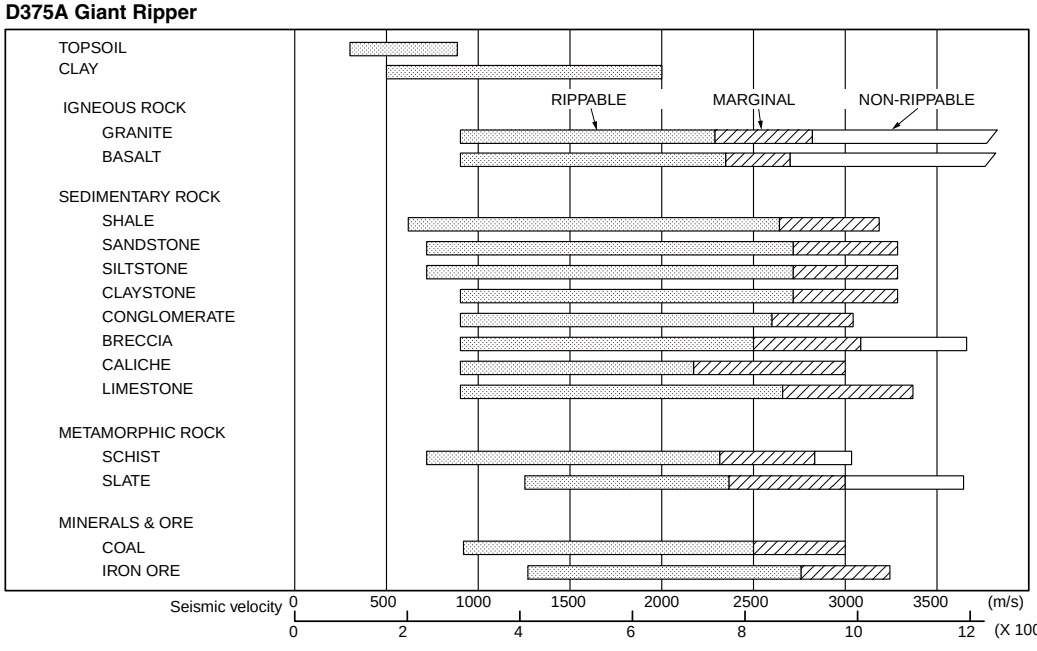

The chart below compares ripper performance to seismic velocities. It should be used ONLY A ROUGH GUIDE, because ripper performance is subject to many other conditions.

**D275A / D275AX Giant Ripper**




FVBH0260

**D375A Giant Ripper**



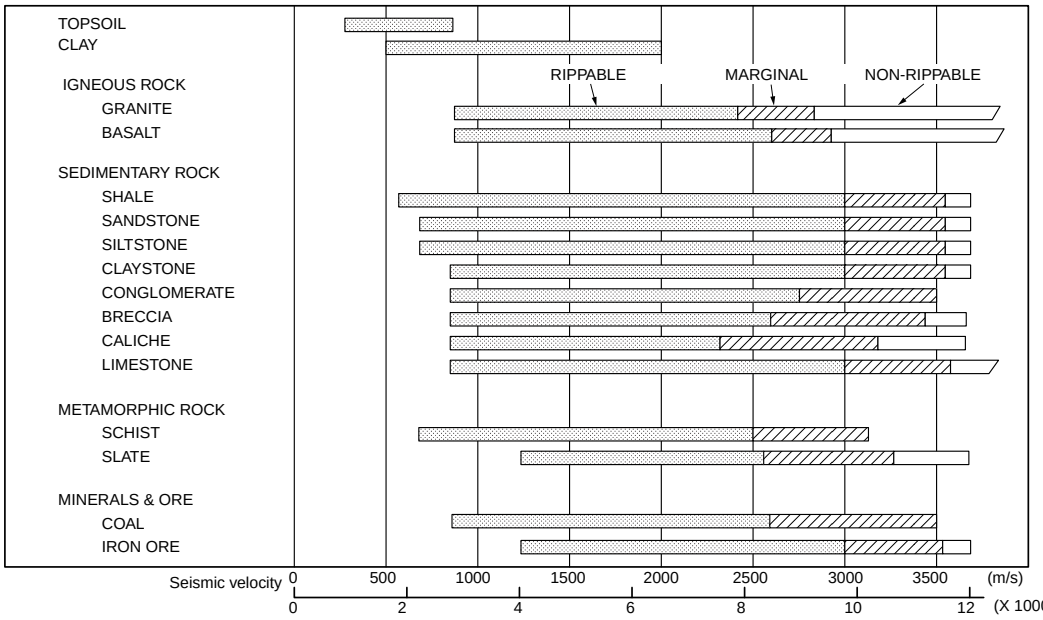

FVBH0261


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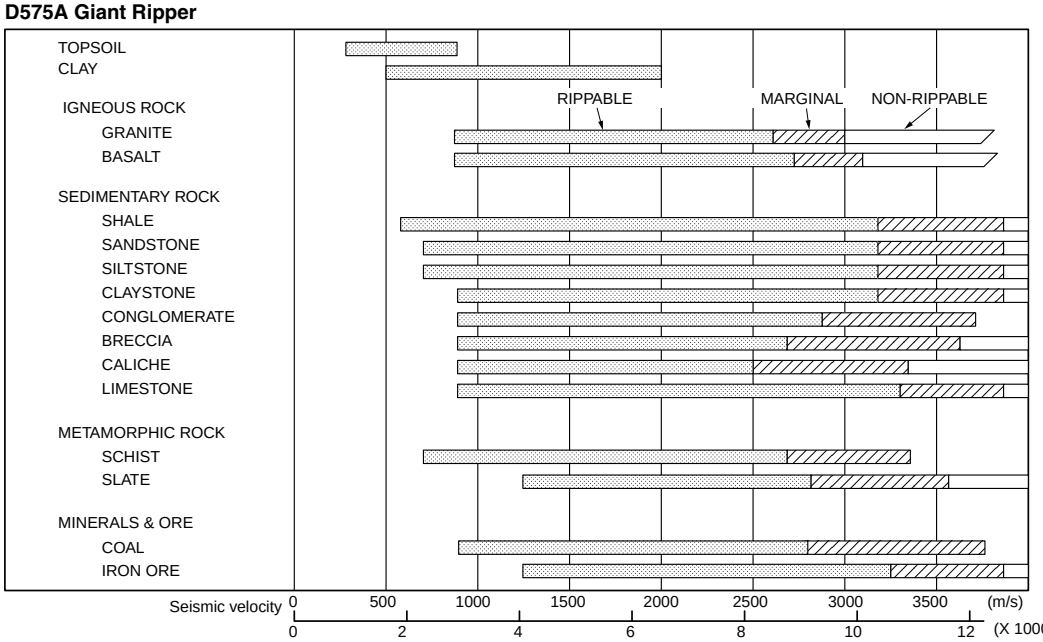


**D475A Giant Ripper**




FVBH0262

**D575A Giant Ripper**




FVBH0263



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Since ripper performance varies considerably with the characteristics of the rocks, the work methods, and operator's skill, it is impossible to estimate performance accurately. However, based on accumulated data, the relationship between seismic wave velocity and production can be ESTIMATED ROUGHLY as shown in the graph. This graph applies only to ripping operations.

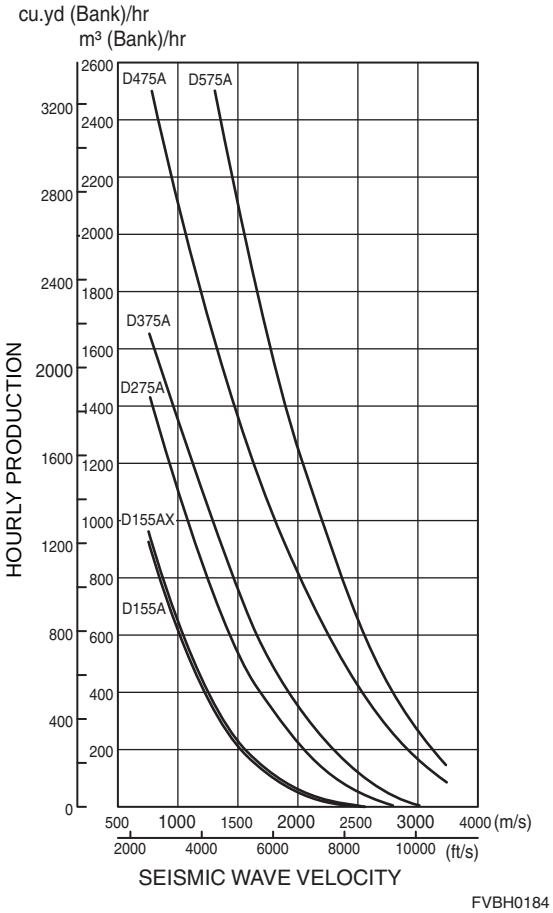
This graph is based on numerous field studies.

Actual production should be estimated as follows.

Actual production =
(Standard production) × (Job efficiency)

**Job Efficiency (E)**

| Operation conditions | E |
|---|---|
| Good | 0.75 (45 min out of an hour use) |
| Average | 0.58 (35 min out of an hour use) |
| Rather poor | 0.50 (30 min out of an hour use) |
| Poor | 0.40 (25 min out of an hour use) |




**Conditions**

1) Ripping production only
2) Bulldozers with single shank rippers
3) 100% job efficiency

**NOTE:** Production is given in bank.



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SECTION 1D

# TOWING WINCHES

## CONTENTS

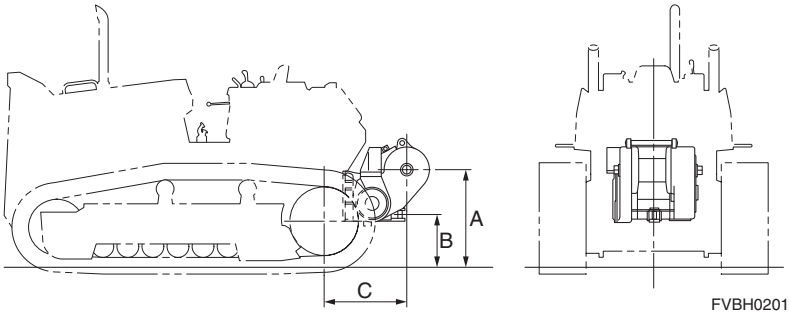
**Specifications ..... 1D-2**



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| Item | Model | D68ESS-12 | D85ESS-2 | | |
|---|---|---|---|---|---|
| Type | | Wet type | Wet type | | |
| Weight | kg (lb) | 1570 (3,455) | 1290 (2,840) | | |
| DIMENSION | | | | | |
| A: Ground to drum center | mm (ft.in) | 1145 (3'9") | 1201 (3'11") | | |
| B: Ground to hitch center | mm (ft.in) | 610 (2') | 650 (2'2") | | |
| C: Sprocket center to drum center | mm (ft.in) | 945 (3'1") | 1066 (3'6") | | |
| Drum dimension: | | | | | |
| Length | mm (ft.in) | 975 (3'2") | 1005 (3'4") | | |
| Width | mm (ft.in) | 996 (3'3") | 1070 (3'6") | | |
| Height | mm (ft.in) | 980 (3'3") | 980 (3'3") | | |
| Drum diameter | mm (ft.in) | 254 (10") | 254 (10") | | |
| Flange diameter | mm (ft.in) | 510 (1'8") | 510 (1'8") | | |
| Drum width | mm (ft.in) | 320 (1'1") | 320(1'1") | | |
| Cable: | | | | | |
| Cable dia. × length | mm × m<br>(in × ft) | 28.6 x 50<br>(1.12 x 165) | 26 × 73<br>(1.02 × 240) | | |
| Performance: | | | | | |
| Line speed: | | | | | |
| Bare drum | m/min.<br>(FPM) | F28 (92)<br>R63 (207) | F28 (92)<br>R63 (207) | | |
| Full drum | m/min.<br>(FPM) | F48 (157)<br>R110 (361) | F48 (157)<br>R110 (361) | | |
| Line pull: | | | | | |
| Bare drum | kg (lb) | 26910 (59,322) | 31400 (69,220) | | |
| Full drum | kg (lb) | 15570 (34,323) | 18200 (40,120) | | |



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SECTION 1E

# PIPELAYERS

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**Features** ..... **1E-2**
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### Faster, effortless winch control

- Komatsu pipelayers require only three levers for winch control, one each for the transmission, hook and boom.
- Choice of hook speeds for raising and lowering facilitates stringing, cradling and lowering in.

### Big lifting capacity

- Komatsu pipelayers have the largest lifting capacity in their respective classes.
- Adjustment of the counterweights is made hydraulically and conveniently by a lever beside the operator's seat for machine balance.

### Safe operation

- Komatsu pipelayers offer safety features to keep operators working confidently.
- All machines are standardly equipped with an automatic boom maximum stopper device.
- There is a free-fall setting on the hook control lever for use during an emergency.
- Komatsu pipelayers have a closed-type winch brake that prevents slips during operation in wet weather.
- Because the hook wires are located away from the operator, danger in the event of a wire cut is minimized.

### Proven, stable undercarriage

- Main components of these three machines are basically the same as those of the Komatsu D355A, D155A and D85A bulldozers. They have a proven record for reliable and durable performance, plus easy maintenance.
- A wide track gauge, large length of track on ground and counterweights give these pipelayers more stability to operate on steep slopes .


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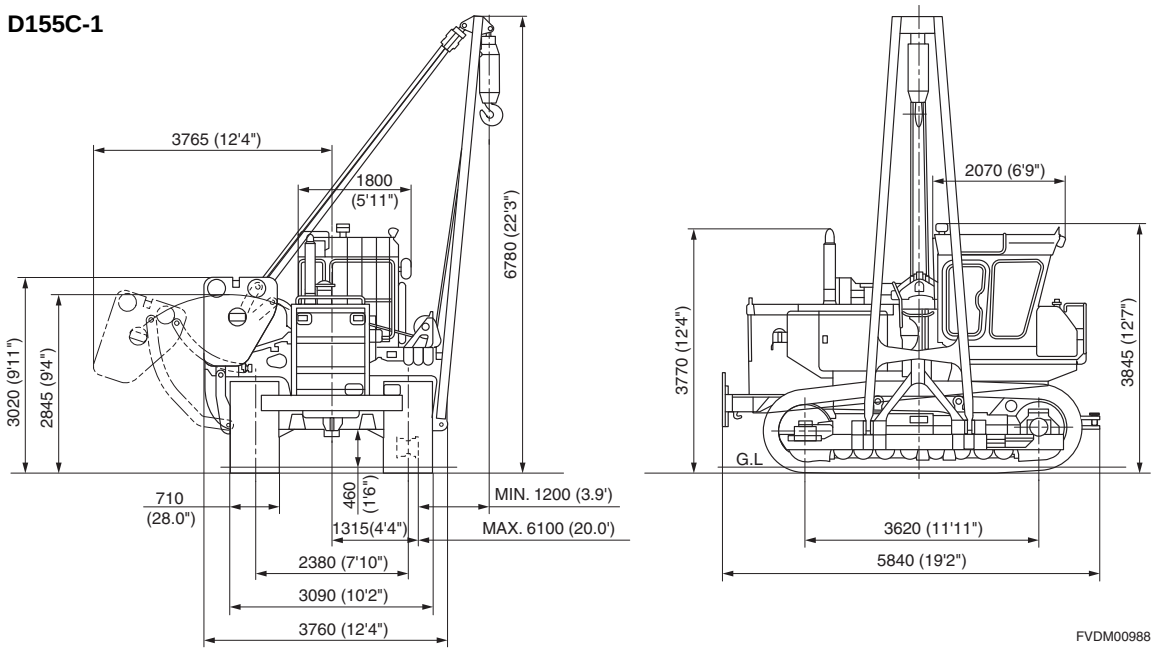
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| Item | Model | D85C-21 | D155C-1 | D355C-3 | |
|---|---|---|---|---|---|
| OPERATING WEIGHT | kg (lb) | 30050 (66,250) | 45800 (100,970) | 57850 (127,540) | |
| MAX. LIIFTING CAPACITY | kg (lb/kN) | 41000 (90,390/402) | 70000 (154,320/686) | 92000 (202,820/902) | |
| HORSEPOWER | kW (HP)/RPM | 168 (225)/2000 | 239 (320) /2000 | 269 (360)/2000 | |
| DIMENSIONS: | | | | | |
| Overall length | mm (ft.in) | 4805 (15'9") | 5840 (19'2") | 6030 (19'9") | |
| Overall width* | mm (ft.in) | 3490 (11'5") | 3760 (12'4") | 4405 (14'5") | |
| Overall height | mm (ft.in) | 3640 (11'11") | 3845 (12'7") | 3925 (12'11") | |
| Track gauge | mm (ft.in) | 2250 (7'5") | 2380 (7'10") | 2550 (8'4") | |
| Length of track on ground | mm (ft.in) | 2730 (8'11") | 3620 (11'11") | 3750 (12'4") | |
| Ground contact area | $cm^2$ (sq.in) | 33300 (5,160) | 51400 (7,967) | 64500 (10,000) | |
| Ground pressure | $kg/cm^2$(PSI/kPa) | 0.90 (12.8/88.3) | 0.89 (12.66/87.3) | 0.90 (12.8/88.3) | |
| PIPELAYING EQUIPMENT: | | | | | |
| Hook speeds:(bare drum) | m/min (FPM) | | | | |
| Raise 1st | | 9.6 (31.5) | 6.0 (19.7) | 5.5 (18.0) | |
| 2nd | | 21.7 (71.2) | 13.8 (45.3) | 12.7 (41.7) | |
| Lower 1st | | 9.3 (30.5) | 4.8 (15.7) | 4.5 (14.8) | |
| 2nd | | 21.1 (69.2) | 11.1 (36.4) | 10.2 (33.5) | |
| Boom: Length | mm (ft.in) | 5500 (18'1") | 6200 (20'4") | 7300 (23'11") | |
| Winch: Type | | H.C** | H.C** | H.C** | |
| ENGINE: | | KOMATSU | KOMATSU | KOMATSU | |
| Model | | S6D125 | SA6D140 | SA6D140 | |
| No.of cylinders- | mm | 6-125 × 150 | 6-140 × 165 | 6-140 × 165 | |
| bore × stroke | (in) | (4.92 × 5.91) | (5.51 × 6.50) | (5.51 × 6.50) | |
| Piston displacement | ltr (cu.in) | 11.04 (674) | 15.24 (930) | 15.24 (930) | |
| PERFORMANCE: | | | | | |
| Travel speeds | km/h (MPH) | | | | |
| Forward/Reverse 1st | | 3.5 (2.2)/4.7 (2.9) | 3.6 (2.2)/4.4 (2.7) | 3.3 (2.1)/3.9 (2.4) | |
| 2nd | | 6.5 (4.0)/8.3 (5.2) | 6.6 (4.1)/7.8 (4.8) | 5.9 (3.7)/7.0 (4.3) | |
| 3rd | | 10.7(6.6)/13.3(8.3) | 11.2(7.0)/12.4(7.7) | 9.8(6.1)/11.0(6.8) | |
| UNDERCARRIAGE: | | | | | |
| No. of rollers | (Carrier/track) | 2/6 | 2/8 | 2/8 | |
| Shoe width | | | | | |
| Standard | mm (in) | 610 (24.0) | 710 (28.0") | 860 (34.0) | |
| Optional | mm (in) | 660 (26.0) | 760 (30.0") | 960 (38.0) | |
| | | 710 (28.0) | | 1010 (40.0) | |

* : Counterweight retracted, excluding boom
** : Hydraulically-controlled double-drum, reversible

**D155C-1**



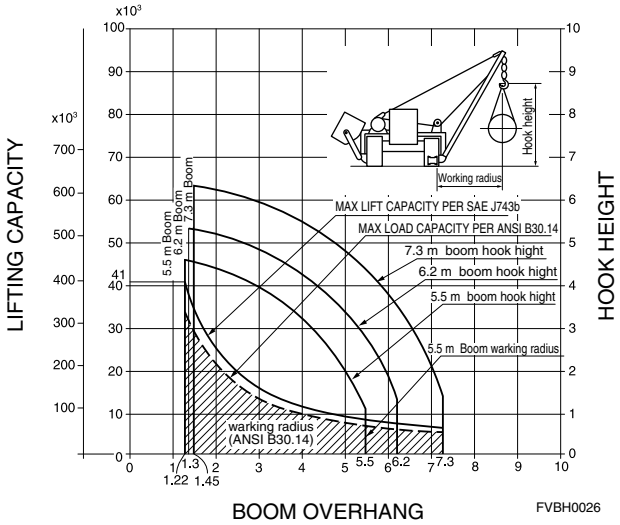



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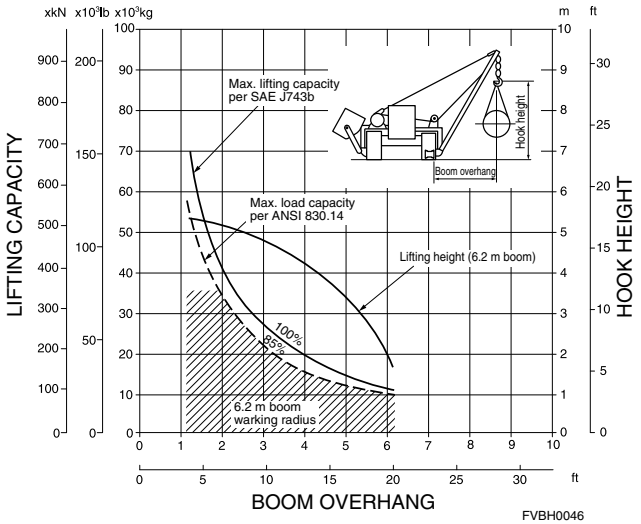
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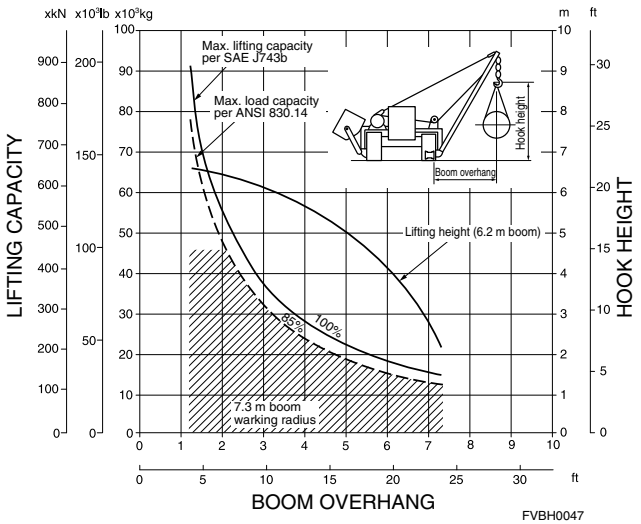
## D85C-21




## D155C-1




## D355C-3






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SECTION 1F

# TRIMMING DOZERS

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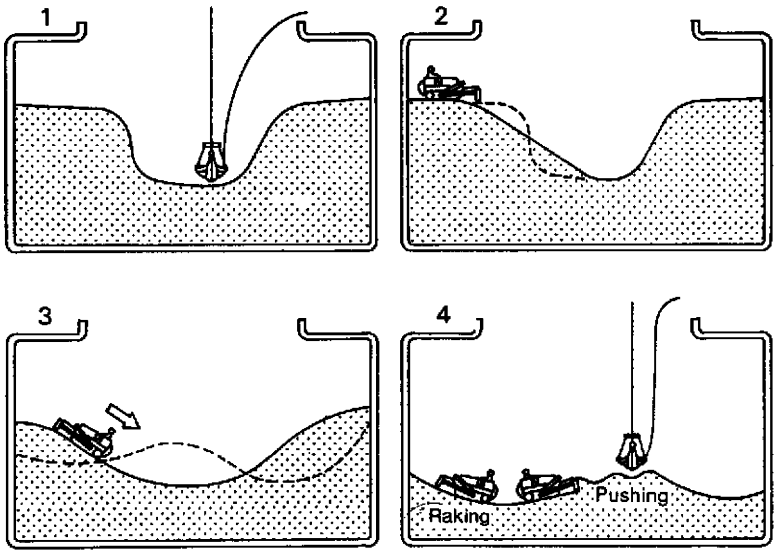
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Unloading clamshell buckets and pneumatic unloader have been conventionally used to unload bulk cargoes (grain, salt, sugar, coal, ore fertilizer, chips, etc.) from vessels.
However, the bucket scooping amount of unloading materials or suction decreases when the unloading work progresses, resulting in a corresponding deterioration of unloading efficiency.

This reduced efficiency means that vessels must remain longer in port, leading to a direct lowering of vessel operating efficiency and a substantial increase in port charges. Consequently, it has become necessary to find an effective method to facilitate bulk unloading. The conventional method is bulk cargoes were raked manually has been replaced by the bulldozer, and a trimming dozer has now been developed specifically for the handling of bulk cargoes in vessels.

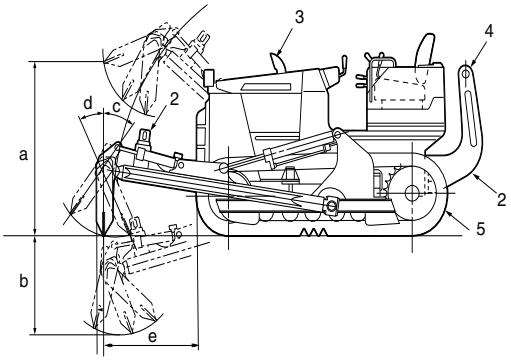
Wheel loaders have often been employed at the final stages of unloading to protect the bottom of the vessel hold, however these have been replaced quite recently by trimming dozers equipped with rubber crawler.






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**(1) Trimming blade**

Since the maximum lift (a), maximum drop (b), forward pitch angle (c) and backward pitch angle (d) of the blade are larger than usual and the breast dimension (e) is longer, substantially greater amounts of the bulk cargo can be raked and pushed at a time.

**(2) Rear protector**

Even if the trimming dozer inadvertently touches the hold frame, shoring, etc., the protector effectively prevents damage to the fuel and hydraulic oil tanks.

**(3) Short exhaust pipe**

A short exhaust pipe has been fitted to the trimming dozer to reduce overall height.

**(4) Slinging hooks**

The trimming dozer is provided with slinging hooks to enable it to be lowered into the hold.

**(5) Track coming off prevention**

Bulk cargo material caught between the tracks and sprocket is released through holes provided in the shoes, and this prevents the tracks from coming off.

**(6) Dust preventive measures**

Exhaust gas remains inside the hold, and dust resulting from the operation of the blade and the tracks accumulates both inside and outside the trimming dozer. To counter this problem, various measures have been taken.

1) Washable air cleaner inner element

   Since the interior of the hold is extremely dusty, the air cleaner element becomes quickly clogged. However, as the inner elements are made of no-woven cloth or urethane and can therefore be washed, maintenance cost is greatly reduced.

2) Facilitation of washing

   The trimming dozer requires washing on completion of one operation in readiness for the next to prevent deposits from the first operation being mixed in with the subsequent one. Hinges have therefore been adopted for the radiator grille and undercover to facilitate washing.

**(7) Corrosion preventive measures**

Bulk cargoes such as salt and potassium chloride corrode the terminals of electrical equipment, leading to short-circuiting. Thus, corrosion-proof alternators and starting motors have been adopted for the trimming dozers, and terminals are coated with silicone compound.

**(8) Safety measures**

Trimming dozers are equipped with backup buzzers and red color lights to provide ample warning when moving in reverse.


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**The trimming dozers destined for in-vessel cargo work are selected so as that other cargo handling unloaders and derricks may function with good efficiency.**

When selection is made on the models of trimming dozer, the structure of holds (hatch size, existence of twin deck, frame conditions, etc.), capacity of unloader (lifting capacity and cargo volume),and cargo material to be handled must be taken into consideration.

**(1) Lifting capacity of derricks, unloaders, etc.(weight and height)**

The most important factors to be taken into consideration for selecting the trimming dozer model are that the weight of the trimming dozer should be less than the capacity of derricks and unloaders that take them down to vessel hold.

**(2) Hourly production**

When trimming dozers are thrown into vessel cargo work theater, they have to work in cooperation with other unloading machines and other hold dozers, etc. It is necessary to grasp previously the treating capacity of each dozer, in order not only to elaborate the entire work schedule but also to study the economical of the work.

**(3) Hatch opening area**

Generally, the opening of vessels, hatch has sufficient dimensions for letting trimming dozers in and out of the hold, but it is advisable to check its dimensions prior to proceeding to actual work.

**(4) Selection of track shoe**

It is difficult to change the ground-pressure of the trimming dozer according to cargo to be handled. However, there exists a certain degree of adaptability to ground-pressure depending on the cargo. Therefore, it is recommended to take into consideration of the following table as a reference when selecting the shoe.


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## Standard Equipment

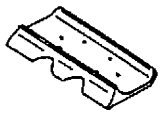
| | D31E•P-20 | D31PX-22M0 | D63E-12 |
|---|---|---|---|
| Air cleaner inner element, no-woven cloth made | ○ | ○ | ○ |
| Air cleaner inner element, urethane made | | | |
| Alternator, corrosion proof type | ○ | ○ | ○ |
| Backup buzzer | ○ | ○ | ○ |
| Backup lamp, red color | ○ | ○ | ○ |
| Cab | | ○ | ○ |
| Electric terminals, silicon compound coated | ○ | ○ | ○ |
| Engine side covers, perforated | ○ | ○ | ○ |
| Engine under guard, hinged type | ○ | | |
| Exhaust pipe, short | ○ | | ○ |
| Fan, high speed | ○ | | |
| Front lights, additional | | | |
| Fuel tank, large capacity | | | |
| Hydraulic cylinder rod, thick chrome plated | ○ | ○ | ○ |
| Intake manifold, cast iron made | ○ | | |
| Oil pan, dual-bottom | ○ | | |
| Oil pan, stainless steel made | | | |
| Radiator core protective grid | | | |
| Radiator mask, hinged type | ○ | ○ | ○ |
| Radiator, corrosion proof type | | | |
| Rear protector | ○ | ○ | ○ |
| Recoil spring, sealed type | ○ | ○ | ○ |
| Shoe, holed single grouser | ○ | ○ | |
| Shoe, holed triple grouser | | ○ | ○ |
| Starting motor, corrosion proof type | ○ | ○ | ○ |
| Tachometer with mechanical drive service meter | | | |
| Track adjusting cylinders, thick chrome plated | ○ | ○ | ○ |
| Transmission oil cooler, tiltable | ○ | | |
| Wear resistant pulley | ○ | | |

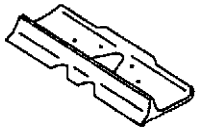
| | D65E-12 | D85EX-15 |
|---|---|---|
| Air cleaner inner element, non-woven cloth made | ○ | |
| Air cleaner inner element, urethane made | | |
| Air cleaner inner element, non-woven fabric made | | ○ |
| Alternator, corrosion proof type | ○ | ○ |
| Backup buzzer | ○ | ○ |
| Backup lamp, red color | ○ | ○ |
| Cab | | |
| Electric terminals, silicon compound coated | ○ | |
| Engine side covers, perforated | ○ | |
| Engine under guard, hinged type | | |
| Exhaust pipe, elbow type | | |
| Exhaust pipe, short | | ○ |
| Exhaust pipe, straight type | | ○ |
| Fan, high speed | | |
| Front lights, additional | | |
| Fuel tank, large capacity | | ○ |
| Hydraulic cylinder rod, thick chrome plated | | |
| Intake manifold, cast iron made | | |
| Oil pan, dual-bottom | | |
| Oil pan, stainless steel made | | |
| Radiator core protective grid | | |
| Radiator mask, hinged type | | |
| Radiator, corrosion proof type | | |
| Rear protector | ○ | ○ |
| Recoil spring, sealed type | ○ | |
| Shoe, holed single grouser | | |
| Shoe, holed triple grouser | | |
| Starting motor, corrosion proof type | ○ | ○ |
| Tachometer with mechanical drive service meter | | |
| Track adjusting cylinders, thick chrome plated | ○ | |
| Transmission oil cooler, tiltable | | |
| Under guard, hinged type | | ○ |
| Wear resistant pulley | | |

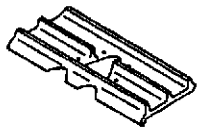

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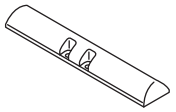
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## Track Shoe Selection


SINGLE GROUSER SHOE
A


HOLED SINGLE GROUSER SHOE
B


HOLED TRIPLE GROUSER SHOE
C



SWAMP SHOE
D

| Shoe width | | | D31E-20 | | | D31P-20 | | | | D31PX-22M0 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | A | B | C | A | B | C | D | A | B | C | D |
| 300 mm (11.8") | | | | | | | | | | | | | |
| 340 mm (13.4") | | | | | | | | | | | | | |
| 400 mm (15.7") | | | | ⊙ | ○ | | ○ | | | | ○ | ○ | |
| 460 mm (18.1") | | | | | | | | | | | | | |
| 510 mm (20.0") | | | | | | | | | | | | | |
| 560 mm (22.0") | | | | | | | | | | | | | |
| 600 mm (23.6") | | | | | | | ○ | | ⊙ | | ○ | | ⊙ |
| Material | Ore | 0.8 kg/cm² (11.4 PSI) | | ○ | ○ | | | | | | ○ | ○ | |
| | Coal | 0.8 kg/cm² (11.4 PSI) | | ○ | ○ | | | | ○ | | ○ | ○ | ○ |
| | Wooden chips | 0.5 kg/cm² (7.1 PSI) | | ○ | ○ | | ○ | | | | ○ | ○ | |
| | Salt | 0.5 kg/cm² (7.1 PSI) | | ○ | ○ | | | | | | ○ | ○ | |
| | Sugar | 0.5 kg/cm² (7.1 PSI) | | ○ | | | ○ | | | | ○ | | |
| | Grain | 0.3 kg/cm² (4.3 PSI) | | | | | | | ○ | | | | ○ |
| | Fertilizer | 0.3 kg/cm² (4.3 PSI) | | | | | | | ○ | | | | ○ |

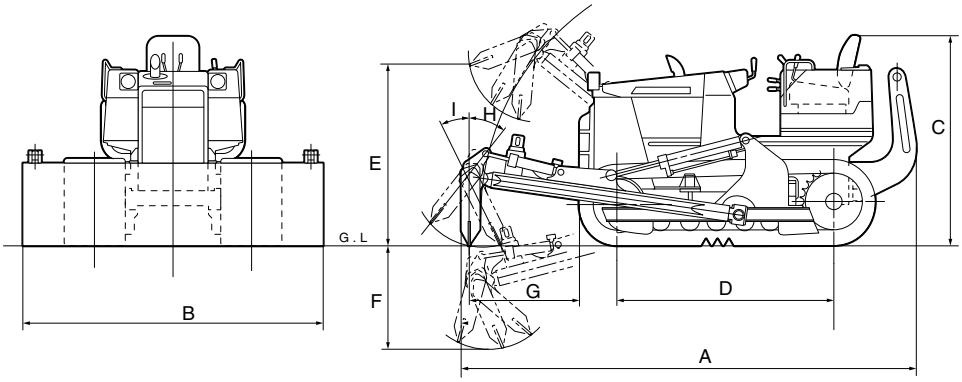
| Shoe width | | | D63E-12 | | | D65EX-12 | | | D85EX-15 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | A | B | C | A | B | C | A | B | C |
| 300 mm (11.8") | | | | | | | | | | | |
| 340 mm (13.4") | | | | | | | | | | | |
| 400 mm (15.7") | | | | | | | | | | | |
| 460 mm (18.1") | | | | | | | | | | | |
| 510 mm (20.0") | | | ○ | | ⊙ | ⊙ | | ○ | | | |
| 560 mm (22.0") | | | | | | | | | ○ | | ⊙ |
| 600 mm (23.6") | | | | | | | | | | | |
| Material | Ore | 0.8 kg/cm² (11.4 PSI) | | | | ○ | | ○ | ○ | | ○ |
| | Coal | 0.8 kg/cm² (11.4 PSI) | ○ | | ○ | ○ | | ○ | ○ | | ○ |
| | Wooden chips | 0.5 kg/cm² (7.1 PSI) | | | | | | | | | |
| | Salt | 0.5 kg/cm² (7.1 PSI) | | | | (○) | | (○) | | | |
| | Sugar | 0.5 kg/cm² (7.1 PSI) | | | | | | | | | |
| | Grain | 0.3 kg/cm² (4.3 PSI) | | | | | | | | | |
| | Fertilizer | 0.3 kg/cm² (4.3 PSI) | | | | | | | | | |

Note 1 : ○ : Currently available shoes which can be used. ( ⊙ means standard shoes.)
Note 2 : (○) : Ground pressures are greater than the target values but have been used so far.


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| Item | | Model | D31E-20 | D31P-20 | D31PX-22M0*5 | D63E-12 |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 7000 (15,430) | 7660 (16,890) | 9610 (21,190) | 17600 (38,800) |
| HORSEPOWER | | kW (HP)/RPM | 52.3 (70)/2350 | 52.3 (70)/2350 | 58 (79)/2200 | 116 (155)/1800 |
| PERFORMANCE: | | | | | | |
| Travel speed | | | | | | |
| Forward | 1st | km/h (MPH) | 2.2 (1.4) | 2.2 (1.4) | 3.4 (2.1) | 3.4 (2.1) |
| | 2nd | | 3.9 (2.4) | 3.9 (2.4) | 5.6 (3.5) | 5.8 (3.6) |
| | 3rd | | 6.5 (4.0) | 6.5 (4.0) | 8.5 (5.3) | 9.0 (5.6) |
| Reverse | 1st | | 2.4 (1.5) | 2.4 (1.5) | 4.1 (2.5) | 4.4 (2.7) |
| | 2nd | | 4.3 (2.7) | 4.3 (2.7) | 6.5 (4.0) | 7.5 (4.7) |
| | 3rd | | 7.1 (4.4) | 7.1 (4.4) | 8.5 (5.3) | 11.0 (6.8) |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 4540 (14'11") | 4700 (15'5") | 5080 (16'8") | 5855 (19'3") |
| B | Overall width | mm (ft.in) | 2480 (8'2") | 2780 (9'1") | 2880 (9'5") | 3020 (9'11") |
| C | Overall height | mm (ft.in) | 2025 (6'8") | 2045 (6'9") | 2800 (9'2")*4 | 2990 (9'10")*** |
| D | Length of track on ground | mm (ft.in) | 1880 (6'2") | 2185 (7'2") | 2185 (7'2") | 2725 (8'11") |
| | Ground pressure | kg/cm$^2$ (P.S.I) | 0.47 (6.68) | 0.29 (4.12) | 0.37 (5.26) | 0.63 (8.96) |
| DOZER EQUIPMENT | | | | | | |
| | Weight (includes hydraulic control unit) | kg (lb) | 1380 (3,040) | 1280 (2820) | | 2550 (5,620) |
| | Length | mm (ft.in) | 2480 (8'2") | 2780 (9'1") | 2880 (9'5") | 3020 (9'11") |
| | Height | mm (ft.in) | 760 (2'6") | 760 (2'6") | 760 (2'6") | 960 (3'2") |
| E | Max. lift above ground | mm (ft.in) | 1480 (4'10") | 1630 (5'4") | 1625 (5'4") | 1655 (5'5") |
| F | Max. drop below ground | mm (ft.in) | 710 (2'4") | 650 (2'2") | 655 (2'2") | 735 (2'5") |
| G | Breast dimension | mm (ft.in) | 1210 (4'0") | 1370 (4'6") | 1315 (4'4") | 1565 (5'2") |
| | Max. pitch adjustment | | | | | |
| H | Forward | degree | 38 | 37 | 37 | 45 |
| I | Reverse | degree | 24 | 26 | 26 | 26 |

| Item | | Model | D65E-12 | D85EX-15*5 | | |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 19950 (43,980)** | 26540 (58,510) | | |
| HORSEPOWER | | kW (HP)/RPM | 135 (180)/1950 | 179 (240)/1900 | | |
| PERFORMANCE: | | | | | | |
| Travel speed | | | | | | |
| Forward | 1st | km/h (MPH) | 3.9 (2.4) | 3.6 (2.2) | | |
| | 2nd | | 6.8 (4.2) | 6.1 (3.8) | | |
| | 3rd | | 10.6 (6.6) | 10.1 (6.3) | | |
| Reverse | 1st | | 5.0 (3.1) | 4.7 (2.9) | | |
| | 2nd | | 8.6 (5.3) | 8.0 (5.0) | | |
| | 3rd | | 13.4 (8.3) | 13.0 (8.1) | | |
| DIMENSION* | | | | | | |
| A | Overall length | mm (ft.in) | 6475 (21'3") | 6690 (21'11") | | |
| B | Overall width | mm (ft.in) | 3210 (10'6") | 3410 (11'2") | | |
| C | Overall height | mm (ft.in) | 3055 (10'0")*** | 3290 (10'10")*4 | | |
| D | Length of track on ground | mm (ft.in) | 2675 (8'9") | 3050 (10'0") | | |
| | Ground pressure | kg/cm$^2$ (P.S.I) | 0.73 (10.38) | 0.78 (11.1) | | |
| DOZER EQUIPMENT | | | | | | |
| | Weight (includes hydraulic control unit) | kg (lb) | 4330 (9,550) | 3810 (8,400) | | |
| | Length | mm (ft.in) | 3210 (10'6") | 3410 (11'2") | | |
| | Height | mm (ft.in) | 1000 (3'3") | 1185 (3'11") | | |
| E | Max. lift above ground | mm (ft.in) | 1610 (5'3") | 1730 (5'8") | | |
| F | Max. drop below ground | mm (ft.in) | 685 (2'3") | 900 (2'11") | | |
| G | Breast dimension | mm (ft.in) | 1610 (5'3") | 1620 (5'4") | | |
| | Max. pitch adjustment | | | | | |
| H | Forward | degree | 29 | 35 | | |
| I | Reverse | degree | 22 | 35 | | |

* : Including dozer equipment in addition to bare tractor
** : Including cab and air conditioner
*** : To top of cab
*4: To top of ROPS
*5: With ROPS & cab



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SECTION **2A**

# EXCAVATORS (BACKHOE)

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# Ecology Features

## EPA Tier 4 Interim and EU Stage 3B emissions certified engine

**NOTE:** For details of features, see the page of engine features (Section 11).

## ecot3 (EPA Tier 3, EU Stage 3A certified engine)

Komatsu develops and produces all major components, such as engines, electronics and hydraulic components in house.

With this “Komatsu Technology”, and adding customer feedback, Komatsu is achieving great advancements in technology.

To achieve high levels of productivity and ecology, Komatsu developed the main components with an advanced control system.

The result is a new generation of high performance and environment friendly machines.

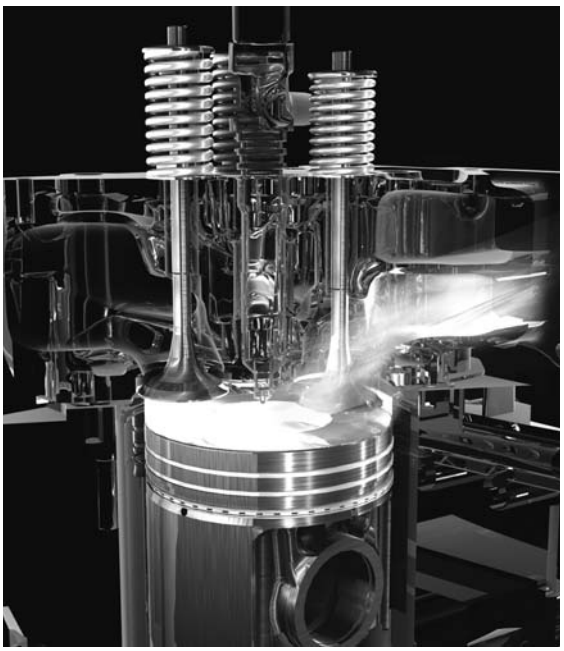



## Fuel efficient electronic controlled engine

The engine is EPA Tier 3 and EU Stage 3A emission regulation certified. The engine is turbocharged and features Common Rail Injection System (CRI) and air-to-air aftercooling to maximize power, fuel efficiency and emission compliance.

To minimize noise and vibration, the engine is mounted to the main frame with rubber cushions.

(PC130-8, PC160LC-8, PC200-8 – PC290-8, PC300-8 – PC450-8, PC600-8, PC800/850-8, PC1250-8)



## Hydraulic drive radiator cooling fan

The engine cooling fan rotation speed is electronically controlled. The fan rotation speed depends on engine coolant and hydraulic oil temperatures, the higher the temperature the higher the fan speed. This system increases fuel efficiency, reduces the operating noise levels and requires less horsepower than belt driven fan.

(PC600-8, PC800/850-8, PC1250-8)



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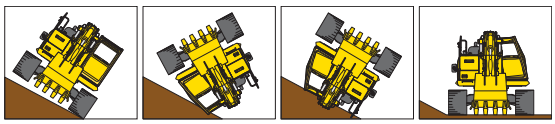
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# Dash-10 Series (PC138US-10 – PC490-10)

## ROPS cab (ISO 12117-2)

The machine is equipped with a ROPS cab that conforms to ISO 12117-2 for excavators as standard equipment. The ROPS cab has high shock-absorption performance, featuring excellent durability and impact strength. It also satisfies the requirements of ISO OPG top guard level 1 for falling objects. Combined with the retractable seat belt, The ROPS cab protects the operator in case of tipping over and against falling objects.





## Rear view monitoring system

The operator can view the rear of the machine with a color monitor screen.





Rear view image on monitor

## Large multi-lingual high resolution LCD monitor

A large user-friendly high resolution LCD color monitor enables safe, accurate and smooth work. Visibility and resolution are further improved compared with current 7-inch large TFT LCD. Simple and easy to operate switches. Function keys facilitate multi-function operations.

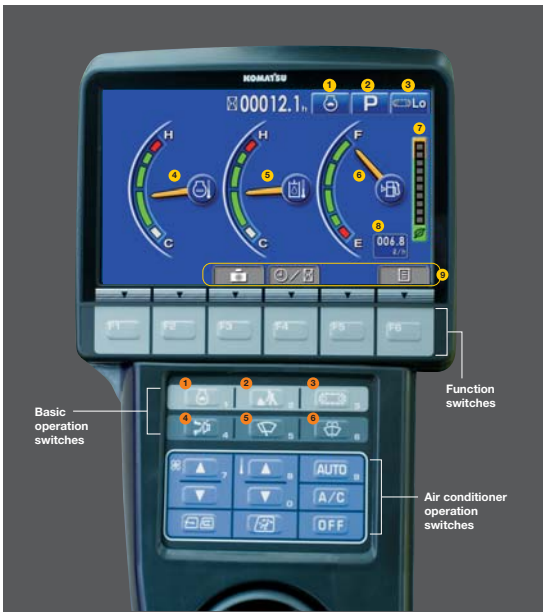
Displays data in 25 languages to globally support operators around the world.

**Indicators**

1. Auto-decelerator
2. Working mode
3. Travel speed
4. Engine water temperature gauge
5. Hydraulic oil temperature gauge
6. Fuel gauge
7. ECO-gauge
8. Fuel consumption gauge
9. Function switches menu

**Basic operation switches**

1. Auto-decelerator
2. Working mode selector
3. Traveling selector
4. Buzzer cancel
5. Wiper
6. Windshield washer






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## Supports efficiency improvement

The main screen displays advices for promoting energy-saving operations as needed. The operator can use the ECO guidance menu to check the operation records, ECO guidance records, average fuel consumption logs, etc.



## Hand rails prevent accidental fall-off

Prevents fall-off from machine cab. During engine service, there is no need to move to counterweight area.

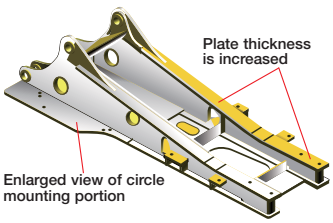



## Heavier counterweight for higher lifting capacity and reinforced components

A reinforced undercarriage design provides additional strength and reliability.
(PC490/LC-10)




1. **Counterweight: Heavier for increased lift capacity**
   + 450 kg **992 lb**
2. **Swing circle: Reinforced**
   Increased swing bearing capacity (Increased diameter)
3. **Track shoe: Reinforced**
   Increased link height and tread width
   Diameter of pin and bushing is increased
   Shoe thickness and bolt strength is increased
4. **Final drive**
   Track frame bolt and sprocket mounting bolt have higher axial tension
5. **Sprocket**
   Material strength is increased
   New tooth shape design
6. **Center frame: Reinforced**
7. **Carrier rollers and idler: Reinforced**
   Increased tread width
8. **Crawler frame: Reinforced**
9. **Revolving frame: Reinforced**






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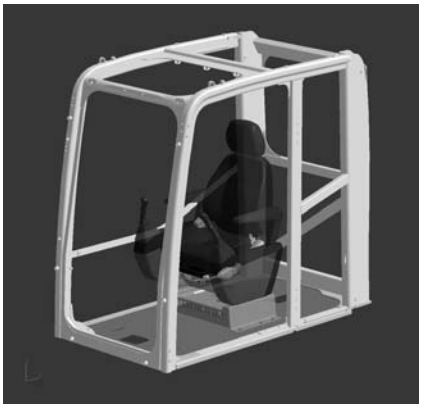
# Dash-8 Series (PC130-8 – PC850-8E0)

## Cab dedicated to hydraulic excavator

The cab is designed specifically for hydraulic excavators' and gains reinforced strength from the pipe-structured cab framework. The cab frame work provides the high durability and impact resistance with very high impact absorbency. The seat belt keeps the operator is the safety of the cab during a rollover.





## Large multi-lingual LCD monitor

A large user-friendly color monitor enables safe, accurate and smooth work. Improved screen visibility is achieved by use of TFT liquid crystal display that can easily be read at various angles and lighting conditions. Simple and easy to operate switches. Industry first function keys facilitate multi-function operations.

Displays data in 10 languages to globally support operators around the world.

**Indicators**

1. Auto-decelerator
2. Working mode
3. Travel speed
4. Engine water temperature gauge
5. Hydraulic oil temperature gauge
6. Fuel gauge
7. Eco-gauge
8. Function switches menu

**Basic operation switches**

1. Auto-decelerator
2. Working mode selector
3. Traveling selector
4. Buzzer cancel
5. Wiper
6. Windshield washer




## Eco-gauge that assists energy-saving Operations

Equipped with the Eco-gauge that can be recognized at glance on the right of the multi-monitor for environment-friendly energy-saving operations.

Allows focus on operation in the green range with reduced $CO_2$ emissions and efficient fuel consumption.




## Idling caution

To prevent unnecessary fuel consumption, an idling caution is displayed on the monitor, if the engine idles for 5 minutes or more.






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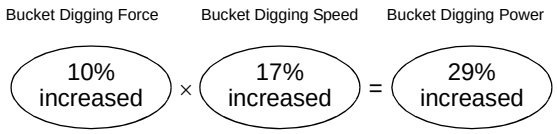
# Dash-7 Series

## ■ High production and low fuel consumption

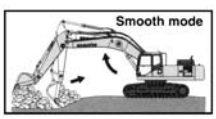
- **Working mode selection**
  Dash-7 excavators are equipped with three working modes (**A**, **E** and **B** mode).
  Production is increased with larger output during Active mode while efficiency is further improved.

| Working Mode | Application | Advantage |
|---|---|---|
| A | Active mode | • Maximum production/ power<br>• Fast cycle times |
| E | Economy mode | • Excellent fuel economy |
| B | Breaker operation | • Optimum engine rpm, hydraulic flow |

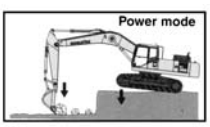
- **Larger digging power provides increased production**
  Bucket digging force and bucket digging speed are increased, so resulting total bucket digging force increased.
  (PC200-7, PC220-7)
  Example: PC200-7




- **Larger arm crowd force and digging force provide increased production (PC300-7, PC600-7)**
- **Large lifting capacity**
  Lateral stability is improved resulting in increased lifting capacity.
- **Larger maximum drawbar pull**
  Maximum drawbar pull is increased, provides superb steering and slope climbing performance.
- **Power max function**
  This function temporarily increases digging force by 7% for added power in tough situations.
- **Two boom settings**
  Smooth mode provides easy operation for gathering blasted rock or scraping down operation. When maximum digging force is needed, switch to Power mode for more effective excavating. (PC300-7, PC800-7)




Boom floats upward, reducing lifting of machine front. This facilitates gathering blasted rock and scraping down operations.



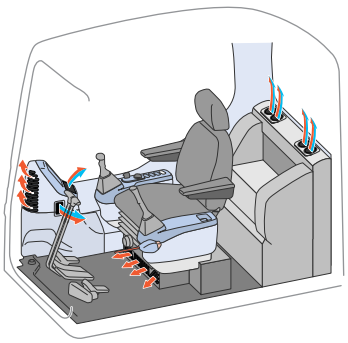

Boom pushing force is increased, ditch digging and box digging operation on hard ground are improved.

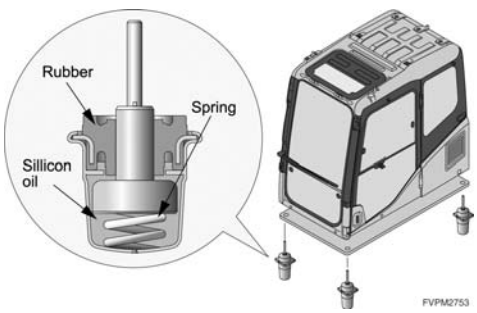
## ■ Harmony with environment

- **Low emission engine**
  Komatsu Dash-7 Series engine meets EPA, EU and Japan Tier ll emissions regulations.
- **Environment oriented mode (Economy mode)**
  Economy mode offers the user fuel savings, quiet operation and less $CO_2$ emission.

## ■ Large comfortable cab

- **Large-sized cab**
  New cab volume is increased by 14%.
- **Pressurized cab**
  With optional air conditioner, air filter and higher internal air pressure prevent external dust from entering the cab.
- **Low noise**
  Noise is reduced not only from the engine but also during swing and hydraulic relief.
- **Low vibration with cab damper mounting**
  The new cab damper mounting combined with strengthened left and right side decks aids vibration reduction at operator seat.
- **Automatic air conditioner (Optional)**
  A 6,900 kcal (SAE) air conditioner is utilized.








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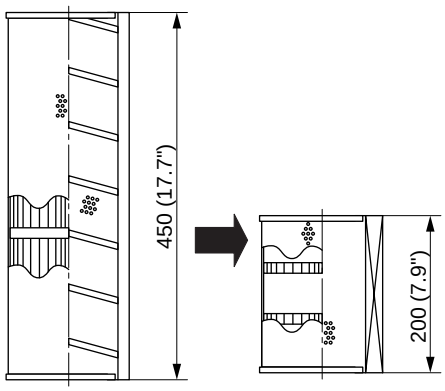


## ■ Easy maintenance

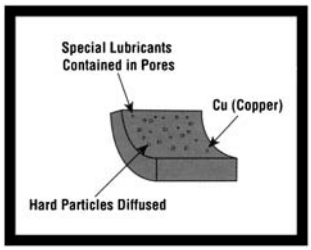
- **Hydraulic oil and filter/engine oil and filter replacement interval extended**
  Oil and filter change interval

| Item \ Model | | Dash-7 | Avance series |
|---|---|---|---|
| Engine oil | h | **500** | 250 |
| Engine oil filter | h | **500** | 250 |
| Hydraulic oil | h | **5000** | 5000 |
| Hydraulic oil filter | h | **1000** | 500 |

- **Easy radiator cleaning**
  Clearance between radiator and oil cooler is increased to facilitate radiator core cleaning with an air nozzle.
- **Remote mounted engine oil filter and fuel drain valve for easy access**
- **Water separator is standard equipment**
- **Fuel tank capacity is increased**
- **SCSH bushings on work equipment extend lubricating interval from 100 hours to 500 hours (optional)**

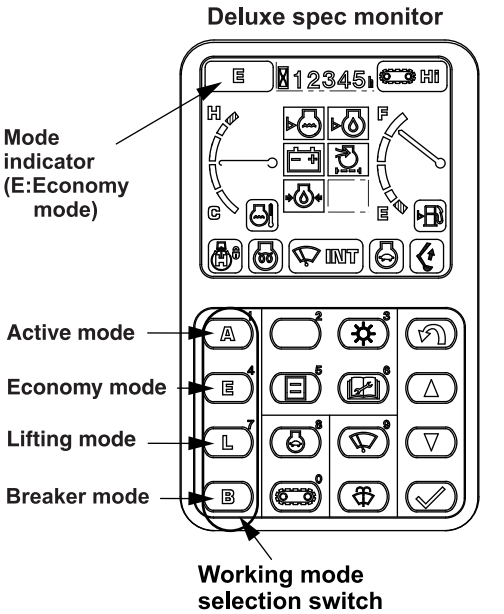



*SCSH Bushing*




## ■ Multi-function color monitor (optional)

- **Hydraulic pump oil flow adjustment system**
  When installing attachments (breaker, crusher, etc.) and B, A, or E mode is selected, it is possible to adjust engine and hydraulic pump discharge flow to match attachment characteristics.
- **Lifting mode**
  When the Lifting mode is selected, lifting capacity is increased by 7% by raising hydraulic pressure.
- **EMMS (Equipment Management Monitoring System)**
- **Monitor function**
  Controller monitors engine oil level, coolant level, engine oil pressure, coolant temperature, battery charge and air cleaner clogging, etc. If controller finds any abnormality, it is displayed on the LCD.
- **Maintenance function**
  Monitor informs replacement time of oil and filters on LCD when the replacement interval is reached.
- **Trouble data memory function**
  Monitor stores abnormalities for effective troubleshooting.






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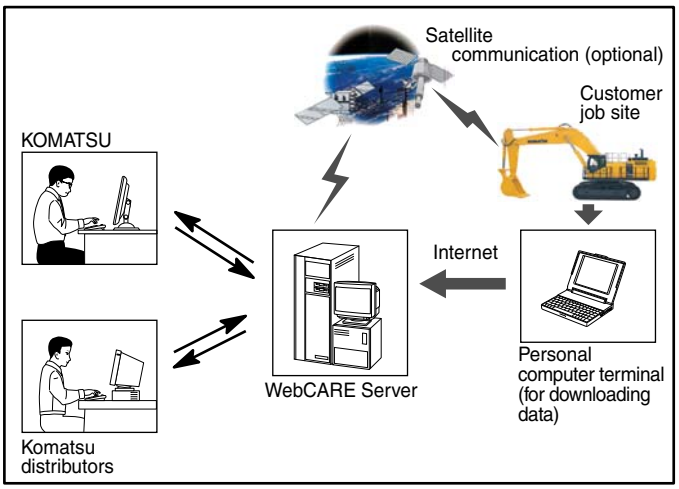
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## VHMS (Vehicle Health Monitoring System)

VHMS controller monitors the health conditions of major components, enables remote analysis of the machine and its operation. This process is supported by the Komatsu distributors, factory and design team. This contributes to reduced repair costs and to maintaining maximum availability.

(PC1250-7, PC1250-8, PC2000-8)




### ■ Merits of using VHMS

**Diagnosis**

- Machine health information that used to take approximately 1 hour to be measured can now be downloaded by personal computer in approximately 10 minutes, shortening the vehicle's down time.
- Furthermore, if the satellite communications function is equipped, the machine information can be gathered without stopping the vehicle at all. (Not available in some regions.)

**Recommendation**

- An appropriate recommendation can be made by viewing these data over the Internet.
  - Proper driving methods
  - Formulation of maintenance plans in advance that suit the customer's production schedule.

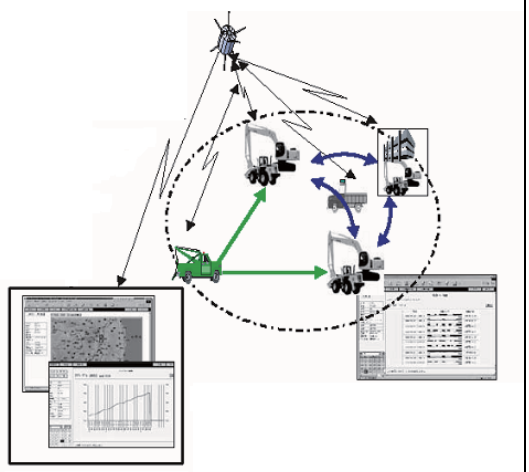
**Customer's Benefit**

- Sudden break down can be prevented through utilization of data trend (change over time).
- Ascertaining the facts and searching for the cause of the breakdown are simplified, thus enabling problems to be resolved quickly.
- Down time can be shortened by the systematic use of Reman components.
- Machine life can be extended significantly by proper operation and proper maintenance.

### ■ KOMTRAX

- **Ecological operation report for assistance**

  KOMTRAX is Komatsu's remote equipment and fleet monitoring system. Wireless technology and a secure Webbased application gives you the information you need to make the best possible operation and management decisions, from location, actual hour worked, and fuel consumption to maintenance monitoring, abnormality codes, and load frequency, in simple to read and understand reports.
  - Guidance to improve fuel consumption
  - Ecological operation report.
  - Report operation hours by operation mode(E or P mode)
  - Service information for Tier 4 Interim (Regeneration, diagnostics information)





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# Rubber Crawler Excavators

## ■ Komatsu rubber crawler excavators for low noise, low vibration and less damage

Compared to steel, rubber crawlers emit much less traveling noise and transmit far less vibration to the ground.

Rubber crawlers enable you to move your equipment smoothly and easily over short distances, without a carrier. There's no need to lay any extra sheet over the road because rubber causes less damage to roads and other paved areas. In other words, rubber crawlers and pad shoes are safer for the environment, more comfortable for the operator and less disturbing to the neighborhood.

Smooth, quiet, damage-free machines are just what you need for reconstruction and redevelopment projects in busy streets and other urban areas.

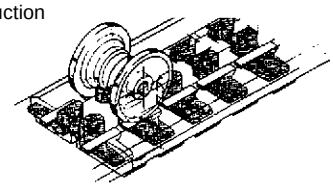
- **Rubber crawlers for mini hydraulic excavator**

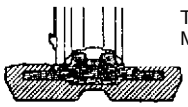
  When mini hydraulic excavators ride on durable rubber crawlers, they can accomplish an even wider variety of jobs smoothly, quietly and over all types of pavement, without damage to the urban environment.

  In addition, large metallic base embedded in rubber assures extended crawler life.

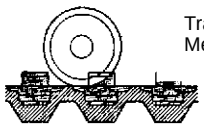
  The rubber crawler is securely held in position by two flanges of track rollers, minimizing the chance of crawler removal from the undercarriage and enabling stable traveling**.**

Strong, durable rubber crawler construction





Track roller
Metallic base



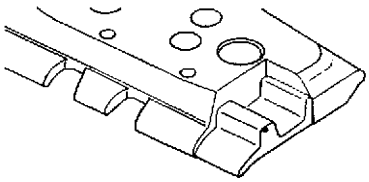
Track roller
Metallic base

- **Rubber pad shoes for medium-class hydraulic excavators**

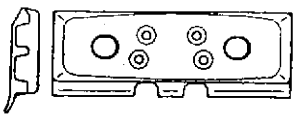
  Rubber pad shoes provide the same strength as conventional tracks but with a smooth, quiet and gentle grip.

  A blend of natural and synthetic rubbers assures maximum strength. This durable, hard material is baked onto the metallic triple-grouser shoe. As a result, the total shoe assembly is as strong as conventional shoes.

  To assure lower maintenance costs, each rubber pad shoe is bolted on the track link in the same manner as standard steel shoes. So, shoe plates are completely interchangeable and only damaged shoes need to be replaced. What's more, rubber pad shoes offer extended service life because even after the rubber pad wears out, these shoes are still usable as the flat or triple-grouser shoes.



Bolt-on pad rubber shoe




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## Komatsu Mining Shovel Features

High production with low running costs

High digging forces provide fast cycle times and low cost per tonnage

**Environmental harmony**

- Komatsu engines which meet EPA, EU and Japan emission regulations
- Extended oil change intervals and filter replacement intervals to reduce environmental impacts
- Long term experience in use of biological hydraulic oils and lubricants, as an option available

**Large, comfortable and safe mining operator's cab**

- Integrated FOPS structure according ISO 3449
- Internal floor area 4.2 $m^2$ (6510 sq.in)
- Large windows for good all around visibility
- Side sliding windows
- Pressurized to keep dust out
- Noise level in cab approx. 76 dB(A) according ISO 63096
- High intensive XENON working lights.
- Cab heating and air conditioner of 10 kW
- Comfortable multi-functional operator seat with internal heating
- Second swing out fold away seat for trainer
- Wash-hand basin
- Refrigerator

**ECS or VHMS monitoring system for greater machine efficiency and low maintenance time**

- Comprehensive overview of shovel functions with operator friendly display
- Optional data transfer possibility via Modular Mining System controller
- All important machine running datas are monitored and electronically stored, with down load facility
- Acoustic and visually alarms warn of machine malfunctions

**Komatsu engine**

- Latest engine technology compliant with emission regulations
- Engine life time self cleaning stainless steel engine oil filter (ELIMINATOR) to avoid filter change; only filter cleaning at every 1000 hour is required
- Engine oil management system (Reserve and Centinel system) to extend oil change intervals up to 4000 hours
- Fuel tank capacity for continuous work up to 24 hours

**Electric drive as option**

- Electric motor 6600/7200 V and 50 or 60 Hz available
- Squirrel cage motor with soft start
- Optimized electrical design for all international standards
- Compact design with low vibration and noise
- Cable drum with automatic tensioning, as option

**Komatsu hydraulic system HYDRO-PILOT**

- Multi-circuit hydraulic system with electronic load governor, pump flow summation capability, and oil flow priority based on demand, for fast working cycles and high productivity
- All main hydraulic circuits are run at one pressure level only, simplifing pressure adjustment and service
- Each circuit with connection facility for pressure check gauges
- Changing from front shovel to backhoe is simple
- Un-pressurized hydraulic tank with large pump suction lines and low pump speed prevents risk of cavitation
- Each hydraulic circuit protected with high pressure filters
- Full flow 10 µm return line filters for system safety and for supplementary circuits 3 µm by-pass filter to improve oil quality for long component lifetime
- Swing out hydraulic cooler for simple cleaning to keep the cooling efficiency

**Heavy-duty shovel undercarriage design**

- Komatsu Mining Germany track system with oscillating shoes for optimum response to rugged mining ground conditions
- Lifetime lubricated rollers
- Automatic track tensioning system
- Track shoes in high quality casting steel and engineered by finite element method
- Precision hard facing of contact surfaces for long term performance
- Different width of shoes available for best performance in softer mining ground conditions

**Attachments**

- Backhoe attachment available for all mining applications
- Closed box design combining steel plates and castings, engineered by finite element method for full lifetime
- Wide selection of buckets and customized options
- Bucket wear package ranges to meet all mining conditions
- Attachment pin sealing arrangement for reduced bearing wear-parts costs

**Service**

- Hydraulically assisted ladder for ease and convenience access
- Upper structure walkway allows safe access to all service points
- Walk in machinery house provides all weather protection for service attention
- Automatic central lubrication system for attachment and main swing bearing
- Swing down service arm for fast, ground level refilling and evacuation and the minimizing of leakages during service
- Complete machine delivered in pre-tested modules for fast erection on job side


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| Item | Model | PC09-1 | PC14R-3 | PC16R-3 | PC18MR-3 |
|---|---|---|---|---|---|
| Source | | Japan | Italy | Italy | Japan |
| OPERATING WEIGHT* | kg (lb) | 890 (1,960) | 1440 (3,170) | 1570 (3,460) | 1780 (3,920) |
| HORSEPOWER SAE J1995 Gross<br>ISO9249 /SAE J1349 Net<br>Hyd. fan at max. speed Net | kW (HP)/RPM<br>kW (HP)/RPM<br>kW (HP)/RPM | 6.2 (8.4)/2800 | 11.2 (15.0)/2600 | 11.2 (15.0)/2600 | 11.2 (15.0)/2600 |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 0.017 ~ 0.025<br>(0.022) (0.033) | 0.03 ~ 0.06<br>(0.04) (0.078) | 0.03 ~ 0.06<br>(0.04) (0.078) | 0.022 ~ 0.044<br>(0.029) (0.058) |
| PERFORMANCE:<br>Swing speed<br>Max travel speed Hi<br>Mi<br>Lo | <br>RPM<br>km/h (MPH) | <br>8.3<br>3.0 (1.9)<br><br>1.5 (0.9) | <br>8.9<br>2 (1.2)<br><br> | <br>8.9<br>4.2 (2.6)<br><br>2.2 (1.4) | <br>8.9<br>4.3 (2.7)<br><br>2.3 (1.4) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE:<br>Model<br>No. of cylinders-<br>bore × stroke<br>Piston displacement | <br><br>mm<br>(in)<br>ltr. (cu.in) | <br>KOMATSU<br>2D68E<br>2-68 × 72<br>(2.68 × 2.83)<br>0.522 (31.9) | <br>KOMATSU<br>3D67E<br>3-67 × 73.6<br>(2.64 × 2.90)<br>0.778 (47.5) | <br>KOMATSU<br>3D67E-2A<br>3-67 × 73.6<br>(2.64 × 2.90)<br>0.778 (47.5) | <br>KOMATSU<br>3D67E-2A<br>3-67 × 73.6<br>(2.64 × 2.90)<br>0.778 (47.0) |
| HYDRAULIC SYSTEM:<br>Hydraulic pump<br>Max. oil flow<br>Max. oil pressure (Implement) | <br><br>ltr. (U.S.Gal)/min.<br>$kg/cm^2$ (PSI) | <br>Gear pumps<br>22 (5.8)<br>160 (2275) | <br>Gear pumps<br>40.8 (10.8)<br>194 (2760) | <br>1 × Variable<br>Piston<br>40.8 (10.8)<br>214 (3040) | <br>1 × Variable<br>Piston+Gear pump<br>54.3 (14.3)<br>235 (3340) |
| Track shoe width/<br>ground pressure | mm (in)/<br>$kg/cm^2$ (PSI) | 180 (7)/<br>0.28 (4.0) | 230 (9)/<br>0.27 (3.8) | 230 (9)/<br>0.30 (4.3) | 230 (9)/<br>0.29 (4.1) |
| CAPACITY (Refilled):<br>Fuel tank<br>Hydraulic oil tank | <br>ltr. (U.S.Gal) | <br>11 (2.9)<br>12 (3.2) | <br>19 (5.0)<br>12 (3.2) | <br>19 (5.0)<br>12 (3.2) | <br>19 (5.0)<br>15.2 (4.0) |
| MACHINE SPEC:<br>Boom<br>Arm<br>Bucket (SAE)<br>Upper attachment | <br>mm (ft.in)<br>mm (ft.in)<br>$m^3$ (cu.yd) | <br>1357 (4'5")<br>684 (2'3")<br>0.022 (0.029) | <br>1620 (5'4")<br>880 (2'11")<br>0.04 (0.05)<br>Canopy | <br>1760 (5'9")<br>965 (3'2")<br>0.04 (0.05)<br>Canopy | <br>1760 (5'9")<br>965 (3'2")<br>0.044 (0.058)<br>ROPS Canopy |

| Item | Model | PC18MR-3 | PC20MR-3 | PC22MR-3 | PC26MR-3 |
|---|---|---|---|---|---|
| Source | | Italy | Japan | Italy | Italy |
| OPERATING WEIGHT* | kg (lb) | 1840 (4,060) | 2155 (4,750) | 2425 (5,350) | 2710 (5,970) |
| HORSEPOWER SAE J1995 Gross<br>ISO9249 /SAE J1349 Net<br>Hyd. fan at max. speed Net | kW (HP)/RPM<br>kW (HP)/RPM<br>kW (HP)/RPM | 11.2 (15.0)/2600 | 15.5 (20.8)/2500 | 15.5 (20.8)/2500 | 15.5 (21)/2500 |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 0.03 ~ 0.06<br>(0.04) (0.078) | 0.033 ~ 0.08<br>(0.043) (0.10) | 0.035 ~ 0.085<br>(0.046) (0.11) | 0.035 ~ 0.085<br>(0.046) (0.11) |
| PERFORMANCE:<br>Swing speed<br>Max travel speed Hi<br>Mi<br>Lo | <br>RPM<br>km/h (MPH) | <br>8.9<br>4.3 (2.7)<br><br>2.3 (1.4) | <br>8.9<br>4.6 (2.9)<br><br>2.8 (1.7) | <br>8.9<br>4.6 (2.9)<br><br>2.8 (1.7) | <br>8.9<br>4.0 (2.5)<br><br>2.5 (1.6) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE:<br>Model<br>No. of cylinders-<br>bore × stroke<br>Piston displacement | <br><br>mm<br>(in)<br>ltr. (cu.in) | <br>KOMATSU<br>3D67E-2A<br>3-67 × 73.6<br>(2.64 × 2.90)<br>0.778 (47.0) | <br>KOMATSU<br>3D76E-6<br>3-76 × 78<br>(2.99 × 3.07)<br>1.115 (68.0) | <br>KOMATSU<br>3D76E<br>3-76 × 82<br>(2.99 × 3.07)<br>1.115 (68.0) | <br>KOMATSU<br>3D76E<br>3-76 × 78<br>(2.99 × 3.07)<br>1.115 (68.0) |
| HYDRAULIC SYSTEM:<br>Hydraulic pump<br>Max. oil flow<br>Max. oil pressure (Implement) | <br><br>ltr. (U.S. Gal)/min.<br>$kg/cm^2$ (PSI) | 1 × Variable<br>Piston+Gear pump<br>40.8 (10.8)<br>235 (3340) | 1 × Variable<br>Piston+Gear pump<br>68.9 (18.2)<br>250 (3555) | 1 × Variable<br>Piston+Gear pump<br>71 (18.8)<br>250 (3555) | 1 × Variable<br>Piston+Gear pump<br>69.1 (18.3)<br>250 (3555) |
| Track shoe width/<br>ground pressure | mm (in)/<br>$kg/cm^2$ (PSI) | 230 (9)/<br>0.28 (3.98) | 250 (10)/<br>0.27 (3.8) | 250 (10)/<br>0.25 (3.56) | 300 (12)/<br>0.25 (3.6) |
| CAPACITY (Refilled):<br>Fuel tank<br>Hydraulic oil tank | <br>ltr. (U.S.Gal) | <br>19 (5.0)<br>15.2 (4.0) | <br>28 (7.4)<br>19 (5.0) | <br>28 (7.4)<br>29 (7.7)** | <br>28 (7.4)<br>29 (7.7) |
| MACHINE SPEC:<br>Boom<br>Arm<br>Bucket (SAE)<br>Upper attachment | <br>mm (ft.in)<br>mm (ft.in)<br>$m^3$ (cu.yd) | <br>1760 (5'9")<br>965 (3'2")<br>0.04 (0.05)<br>ROPS Canopy | <br>1810 (5'11")<br>970 (3'2")<br>0.066 (0.86)<br>ROPS Canopy | <br>1810 (5'11")<br>970 (3'2")<br>0.07 (0.09)<br>ROPS Cab | <br>2200 (7'3")<br>1115 (3'8")<br>0.07 (0.09)<br>ROPS Cab |

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and, indicated implement, shoes and upper attachment.
** Full capacity



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| Item | Model | PC27MR-3 | PC30MR-3 | PC30MR-3 | PC35MR-3 |
|---|---|---|---|---|---|
| Source | | Japan | Japan | Italy | Japan |
| OPERATING WEIGHT* | kg (lb) | 2890 (6,370) | 3140 (6,920) | 3290 (7,250) | 3575 (7,880) |
| HORSEPOWER SAE J1995 Gross<br>ISO9249 /SAE J1349 Net<br>Hyd. fan at max. speed Net | kW (HP)/RPM<br>kW (HP)/RPM<br>kW (HP)/RPM | <br>19.2 (25.7)/2600 | <br>21.4 (28.6)/2400 | <br>21.6 (29.0)/2400 | <br>21.4 (28.6)/2400 |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 0.035 ~ 0.09<br>(0.046) (0.12) | 0.035 ~ 0.11<br>(0.045) (0.14) | 0.035 ~ 0.13<br>(0.046) (0.17) | 0.055 ~ 0.13<br>(0.07) (0.17) |
| PERFORMANCE:<br>Swing speed<br>Max travel speed Hi<br>Mi<br>Lo | <br>RPM<br>km/h (MPH) | <br>9.2<br>4.8 (3.0)<br><br>2.6 (1.6) | <br>9.3<br>4.6 (2.9)<br><br>2.5 (1.6) | <br>9.3<br>4.6 (2.9)<br><br>2.5 (1.6) | <br>9<br>4.8 (3.0)<br><br>2.8 (1.7) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE:<br>Model<br>No. of cylinders-<br>bore × stroke<br>Piston displacement | <br><br>mm<br>(in)<br>ltr. (cu.in) | <br>KOMATSU<br>3D82AE-6<br>3-82 × 84<br>(3.23 × 3.31)<br>1.33 (81.2) | <br>KOMATSU<br>3D88E-6<br>3-88 × 90<br>(3.46 × 3.54)<br>1.642 (100) | <br>KOMATSU<br>3D88E-6<br>3-88 × 90<br>(3.46 × 3.54)<br>1.642 (100) | <br>KOMATSU<br>3D88E-6<br>3-88 × 90<br>(3.46 × 3.54)<br>1.642 (100) |
| HYDRAULIC SYSTEM:<br>Hydraulic pump<br>Max. oil flow<br>Max. oil pressure (Implement) | <br>ltr. (U.S. Gal)/min.<br>$kg/cm^2$ (PSI) | <br>1 × Variable<br>Piston+Gear pump<br>92 (24.3)<br>250 (3555) | <br>1 × Variable<br>Piston+Gear pump<br>89.6 (23.6)<br>265 (3770) | <br>1 × Variable<br>Piston+Gear pump<br>89.8 (23.7)<br>265 (3770) | <br>2 × Variable<br>Piston+Gear pump<br>92 (24.3)<br>265 (3770) |
| Track shoe width/<br>ground pressure | mm (in)/<br>$kg/cm^2$ (PSI) | 300 (12)/<br>0.30 (4.3) | 300 (12)/<br>0.30 (4.3) | 300 (12)/<br>0.30 (4.27) | 300 (12)/<br>0.34 (4.8) |
| CAPACITY (Refilled):<br>Fuel tank<br>Hydraulic oil tank | <br>ltr. (U.S.Gal) | <br>44 (11.6)<br>14 (3.7) | <br>44 (11.6)<br>14 (3.7) | <br>44 (11.6)<br>34 (9.0)** | <br>44 (11.6)<br>14 (3.7) |
| MACHINE SPEC:<br>Boom<br>Arm<br>Bucket (SAE)<br>Upper attachment | <br>mm (ft.in)<br>mm (ft.in)<br>$m^3$ (cu.yd) | <br>2180 (7'2")<br>1100 (3'7")<br>0.08 (0.105)<br>ROPS Canopy | <br>2285 (7'6")<br>1240 (4'1")<br>0.095 (0.12)<br>ROPS Canopy | <br>2285 (7'6")<br>1240 (4'1")<br>0.09 (0.12)<br>ROPS Cab | <br>2540 (8'4")<br>1370 (4'6")<br>0.11 (0.14)<br>ROPS Canopy |

| Item | Model | PC35MR-3 | PC45MR-3 | PC45MR-3 | PC55MR-3 |
|---|---|---|---|---|---|
| Source | | Italy | Japan | Italy | Japan |
| OPERATING WEIGHT* | kg (lb) | 3725 (8,210) | 4775 (10,480) | 4715 (10,390) | 5160 (11,380) |
| HORSEPOWER SAE J1995 Gross<br>ISO9249 /SAE J1349 Net<br>Hyd. fan at max. speed Net | kW (HP)/RPM<br>kW (HP)/RPM<br>kW (HP)/RPM | <br>21.6 (29.0)/2400 | <br>28.5 (38.2)/2400 | <br>28.5 (38.2)/2400 | <br>28.5 (38.2)/2400 |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 0.035 ~ 0.13<br>(0.046) (0.17) | 0.055 ~ 0.16<br>(0.07) (0.21) | 0.07 ~ 0.175<br>(0.09) (0.23) | 0.055 ~ 0.16<br>(0.07) (0.21) |
| PERFORMANCE:<br>Swing speed<br>Max travel speed Hi<br>Mi<br>Lo | <br>RPM<br>km/h (MPH) | <br>9<br>4.8 (3.0)<br><br>2.8 (1.7) | <br>9<br>4.8 (3.0)<br><br>2.8 (1.7) | <br>9<br>4.6 (2.9)<br><br>2.8 (1.7) | <br>9<br>4.6 (2.9)<br><br>2.8 (1.7) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE:<br>Model<br>No. of cylinders-<br>bore × stroke<br>Piston displacement | <br><br>mm<br>(in)<br>ltr. (cu.in) | <br>KOMATSU<br>3D88E-6<br>3-88 × 90<br>(3.46 × 3.54)<br>1.642 (100) | <br>KOMATSU<br>4D88E-6<br>4-88 × 90<br>(3.46 × 3.54)<br>2.189 (134) | <br>KOMATSU<br>4D88E-6<br>4-88 × 90<br>(3.46 × 3.54)<br>2.189 (134) | <br>KOMATSU<br>4D88E-6<br>4-88 × 90<br>(3.46 × 3.54)<br>2.189 (134) |
| HYDRAULIC SYSTEM:<br>Hydraulic pump<br>Max. oil flow<br>Max. oil pressure (Implement) | <br>ltr. (U.S. Gal)/min.<br>$kg/cm^2$ (PSI) | <br>2 × Variable<br>Piston+Gear pump<br>92 (24.3)<br>265 (3770) | <br>2 × Variable<br>Piston+Gear pump<br>140.8 (37.2)<br>270 (3840) | <br>2 × Variable<br>Piston+Gear pump<br>140.8 (37.2)<br>270 (3840) | <br>2 × Variable<br>Piston+Gear pump<br>140.8 (37.2)<br>270 (3840) |
| Track shoe width/<br>ground pressure | mm (in)/<br>$kg/cm^2$ (PSI) | 300 (12)/<br>0.36 (5.12) | 400 (16)/<br>0.27 (3.8) | 400 (16)/<br>0.25 (3.56) | 400 (16)/<br>0.29 (4.1) |
| CAPACITY (Refilled):<br>Fuel tank<br>Hydraulic oil tank | <br>ltr. (U.S.Gal) | <br>44 (11.6)<br>39 (10.3)** | <br>65 (17.2)<br>20 (5.3) | <br>65 (17.2)<br>55 (14.5)** | <br>65 (17.2)<br>20 (5.3) |
| MACHINE SPEC:<br>Boom<br>Arm<br>Bucket (SAE)<br>Upper attachment | <br>mm (ft.in)<br>mm (ft.in)<br>$m^3$ (cu.yd) | <br>2540 (8'4")<br>1370 (4'6")<br>0.12 (0.17)<br>ROPS Cab | <br>2640 (8'8")<br>1375 (4'6")<br>0.14 (0.18)<br>ROPS Canopy | <br>2640 (8'8")<br>1375 (4'6")<br>0.15 (0.20)<br>ROPS Cab | <br>2900 (9'6")<br>1640 (5'5")<br>0.16 (0.21)<br>ROPS Canopy |

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and, indicated implement, shoes and upper attachment.
** Full capacity



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| Item | Model | PC55MR-3 | PC56-7 |
|---|---|---|---|
| Source | | Italy | China |
| OPERATING WEIGHT* | kg (lb) | 5280 (11,640) | 5300 (11,680) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | | 36.5 (48.9)/2300 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 28.5 (38.2)/2400 | 34.6 (46.4)/2300 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 0.07 ~ 0.175 (0.09) (0.23) | 0.055 ~ 0.22 (0.072) (0.29) |
| PERFORMANCE: | | | |
| Swing speed | RPM | 9 | 9.0 |
| Max travel speed Hi | km/h (MPH) | 4.6 (2.9) | 4.2 (2.6) |
| Mi | | | |
| Lo | | 2.8 (1.7) | 2.6 (1.6) |
| DIMENSIONS: See the page of dimensions. | | | |
| ENGINE: | | | |
| Model | | KOMATSU 4D88E-6 | KOMATSU S4D87E-1 |
| No. of cylinders- | mm | 4-88 × 90 | 4-87 × 102.4 |
| bore × stroke | (in) | (3.46 × 3.54) | (3.43 × 4.03) |
| Piston displacement | ltr. (cu.in) | 2.189 (134) | 2.434 (149) |
| HYDRAULIC SYSTEM: | | | |
| Hydraulic pump | | 2 × Variable Piston+Gear pump | 2 × Variable Piston+Gear pump |
| Max. oil flow | ltr. (U.S. Gal)/min. | 140.8 (37.2) | 146 (38.6) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 270 (3840) | 270 (3840) |
| Track shoe width/ ground pressure | mm (in)/ $kg/cm^2$ (PSI) | 400 (16)/ 0.25 (3.56) | 400 (16)/ 0.31 (4.41) |
| CAPACITY (Refilled): | | | |
| Fuel tank | ltr. (U.S.Gal) | 65 (17.2) | 120 (31.7) |
| Hydraulic oil tank | | 55 (14.5)** | 37 (9.8) |
| MACHINE SPEC: | | | |
| Boom | mm (ft.in) | 2900 (9'6") | 2900 (9'6") |
| Arm | mm (ft.in) | 1640 (5'5") | 1640 (5' 5") |
| Bucket (SAE) | $m^3$ (cu.yd) | 0.15 (0.20) | 0.2 (0.26) |
| Upper attachment | | ROPS Cab | ROPS Cab |

| Item | Model | PC60-8 | PC70-8 | PC70-8 | PC71-7 |
|---|---|---|---|---|---|
| Source | | China | Japan | China | India |
| OPERATING WEIGHT* | kg (lb) | 6180 (13,620) | 6590 (14,530) | 6500 (14,330) | 7050 (15,510) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 42.8 (57.4)/1950 | 50.7 (68)/1950 | | 44.1 (60)/1900 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 40.7 (54.2)/1950 | 48.5 (65)/1950 | 48.5 (65)/1950 | |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | | | |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 0.25 ~ 0.3 (0.33) (0.39) | 0.30 ~ 0.37 (0.39) (0.48) | 0.30 ~ 0.37 (0.39) (0.48) | 0.09 ~ 0.35 (0.12) (0.47) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 10.0 | 11.0 | 11.0 | 12.0 |
| Max travel speed Hi | km/h (MPH) | 4.5 (2.8) | 4.5 (2.8) | 4.5 (2.8) | 3.5 (2.2) |
| Mi | | | | | |
| Lo | | 2.8 (1.7) | 2.8 (1.7) | 2.8 (1.7) | 2.3 (1.4) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA4D95LE-5 | KOMATSU SAA4D95LE-5 | KOMATSU SAA4D95LE-5-L | KOEL 4R-1040 |
| No. of cylinders- | mm | 4-95 × 115 | 4-95 × 115 | 4-95 × 115 | 4-105 × 120 |
| bore × stroke | (in) | (3.74 × 4.53) | (3.74 × 4.53) | (3.74 × 4.53) | (4.13 × 4.72) |
| Piston displacement | ltr. (cu.in) | 3.26 (199) | 3.26 (199) | 3.26 (199) | 4.16 (254) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | 1 × Variable Piston | 1 × Variable Piston | 1 × Variable Piston | 1 × Variable Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 172 (45.4) | 172 (45.4) | 172 (45.4) | 155 (41.0) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 250 (3555) | 250 (3555) | 250 (3555) | 250 (3555) |
| Track shoe width/ ground pressure | mm (in)/ $kg/cm^2$ (PSI) | 450 (18)/ 0.29 (4.12) | 450 (18)/ 0.29 (4.12) | 450 (18)/ 0.31 (4.41) | 450 (18)/ 0.34 (4.82) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S.Gal) | 130 (34.3) | 130 (34.3) | 130 (34.3) | 130 (34.3) |
| Hydraulic oil tank | | 61 (16.1) | 61 (16.1) | 57 (15.1) | 57 (15.1) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 3650 (12' 0") | 3710 (12' 2") | 3710 (12' 2") | 3710 (12' 2") |
| Arm | mm (ft.in) | 1550 (5' 1") | 1650 (5' 5") | 1650 (5' 5") | 1650 (5' 5") |
| Bucket (SAE) | $m^3$ (cu.yd) | 0.25 (0.33) | 0.30 (0.39) | 0.30 (0.39) | 0.30 (0.39) |

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and, indicated implement, shoes and upper attachment.
** Full capacity
• EPA Tier 3 and EU Stage 3A model



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| Item | Model | ○PC78US-8 | PC80MR-3 | ○PC88MR-8 | •PC88MR-8 |
|---|---|---|---|---|---|
| Source | | Japan | Italy | Japan | Italy |
| OPERATING WEIGHT* | kg (lb) | 6945 (15,315) | 7618 (16,790) | 8225 (18,130) | 8225 (18,130) |
| HORSEPOWER SAE J1995 Gross<br>ISO9249 /SAE J1349 Net<br>Hyd. fan at max. speed Net | kW (HP)/RPM<br>kW (HP)/RPM<br>kW (HP)/RPM | 42.8 (57)/1950<br>41.5 (55)/1950 | 45.6 (61.2)/2200 | 49 (65)/1950 | 49 (65)/1950 |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 0.09 ~ 0.34<br>(0.12) (0.45) | 0.086 ~ 0.265<br>(0.11) (0.35) | 0.09 ~ 0.34<br>(0.12) (0.45) | 0.077 ~ 0.282<br>(0.10) (0.37) |
| PERFORMANCE:<br>Swing speed<br>Max travel speed Hi<br>Mi<br>Lo | <br>RPM<br>km/h (MPH) | <br>10.0<br>5.0 (3.1)<br><br>2.9 (1.8) | <br>10.2<br>4.9 (3.0)<br><br>2.9 (1.8) | <br>10.0<br>5.1 (3.2)<br><br>2.9 (1.8) | <br>10.0<br>5.1 (3.2)<br><br>2.9 (1.8) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE:<br>Model<br>No. of cylinders-<br>bore × stroke<br>Piston displacement | <br><br>mm<br>(in)<br>ltr. (cu.in) | <br>KOMATSU<br>SAA4D95LE-5<br>4-95 × 115<br>(3.74 × 4.53)<br>3.26 (199) | <br>KOMATSU<br>4D98E-3ZSFB<br>4-98 × 110<br>(3.86 × 4.33)<br>3.318 (202) | <br>KOMATSU<br>SAA4D95LE-5<br>4-95 × 115<br>(3.74 × 4.53)<br>3.26 (199) | <br>KOMATSU<br>SAA4D95LE-5<br>4-95 × 115<br>(3.74 × 4.53)<br>3.26 (199) |
| HYDRAULIC SYSTEM:<br>Hydraulic pump<br>Max. oil flow<br>Max. oil pressure (Implement) | <br><br>ltr. (U.S. Gal)/min.<br>$kg/cm^2$ (PSI) | <br>2 × Variable<br>Piston<br>223 (49.1)<br>270 (3840) | <br>1 × Variable<br>Piston+Gear pump<br>250 (66.1)<br>270 (3840) | <br>1 × Variable<br>Piston+Gear pump<br>230 (60.8)<br>270 (3840) | <br>1 × Variable<br>Piston+Gear pump<br>230 (60.8)<br>270 (3840) |
| Track shoe width/<br>ground pressure | mm (in)/<br>$kg/cm^2$ (PSI) | 450 (18)/<br>0.32 (4.5) | 450 (18)/<br>0.34 (4.8) | 450 (18)/<br>0.37 (5.26) | 450 (18)/<br>0.37 (5.3) |
| CAPACITY (Refilled):<br>Fuel tank<br>Hydraulic oil tank | <br>ltr. (U.S.Gal) | <br>125 (33)<br>56 (14.8) | <br>110 (29.1)<br>65 (17.2) | <br>125 (33)<br>100 (26.4) | <br>125 (33)<br>100 (26.4) |
| MACHINE SPEC:<br>Boom<br>Arm<br>Bucket (SAE) | <br>mm (ft.in)<br>mm (ft.in)<br>$m^3$ (cu.yd) | <br>3710 (12'2")<br>1650 (5'5")<br>0.28 (0.37) | <br>3200 (10'6")<br>1650 (5'5")<br>0.2 (0.26) | <br>3405 (11' 2")<br>1650 (5' 5")<br>0.28 (0.37) | <br>3405 (11' 2")<br>2100 (6'11")<br>0.282 (0.37) |

| Item | Model | PC110-7 | •PC118MR-8 | •PC130-8 | •PC130-8 |
|---|---|---|---|---|---|
| Source | | China | Italy | Japan, Thailand | Brazil |
| OPERATING WEIGHT* | kg (lb) | 10980 (24,210) | 11885 (26,200) | 12380 (27,300) | 12905 (28,450) |
| HORSEPOWER SAE J1995 Gross<br>ISO9249 /SAE J1349 Net<br>Hyd. fan at max. speed Net | kW (HP)/RPM<br>kW (HP)/RPM<br>kW (HP)/RPM | 66 (88.7)/2200 | 68.4 (91.7)/2200 | 72.1 (96.6)/2200<br>68.4 (91.7)/2200 | 72 (97)/2200<br>68 (92)/2200 |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 0.48<br>(0.63) | 0.093 ~ 0.40<br>(0.12) (0.52) | 0.18 ~ 0.60<br>(0.24) (0.78) | 0.50 ~ 0.60<br>(0.65) (0.78) |
| PERFORMANCE:<br>Swing speed<br>Max travel speed Hi<br>Mi<br>Lo | <br>RPM<br>km/h (MPH) | <br>11.0<br>5.5 (3.4)<br><br>2.7 (1.7) | <br>8.5<br>4.5 (2.8)<br><br>3.0 (1.9) | <br>11.0<br>5.5 (3.4)<br><br>2.9 (1.8) | <br>11.0<br>5.5 (3.4)<br><br>2.9 (1.8) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE:<br>Model<br>No. of cylinders-<br>bore × stroke<br>Piston displacement | <br><br>mm<br>(in)<br>ltr. (cu.in) | <br>KOMATSU<br>SAA4D95LE-3<br>4-95 × 115<br>(3.74 × 4.53)<br>3.26 (199) | <br>KOMATSU<br>SAA4D95LE-5<br>4-95 × 115<br>(3.74 × 4.53)<br>3.26 (199) | <br>KOMATSU<br>SAA4D95LE-5<br>4-95 × 115<br>(3.74 × 4.53)<br>3.26 (199) | <br>KOMATSU<br>SAA4D95LE-5<br>4-95 × 115<br>(3.74 × 4.53)<br>3.26 (199) |
| HYDRAULIC SYSTEM:<br>Hydraulic pump<br>Max. oil flow<br>Max. oil pressure (Implement) | <br><br>ltr. (U.S. Gal)/min.<br>$kg/cm^2$ (PSI) | <br>1 × Variable<br>Piston+Gear pump<br>226 (59.7)<br>325 (4620) | <br>1 × Variable<br>Piston+Gear pump<br>278 (73.4)<br>300 (4270) | <br>1 × Variable<br>Piston<br>241.5 (63.8)<br>325 (4620) | <br>1 × Variable<br>Piston+Gear pump<br>242 (63.9)<br>325 (4620) |
| Track shoe width/<br>ground pressure | mm (in)/<br>$kg/cm^2$ (PSI) | 500 (20)/<br>0.37 (5.26) | 500 (20)/<br>0.43 (6.11) | 500 (20)/<br>0.39 (5.6) | 500 (20)/<br>0.41 (5.83) |
| CAPACITY (Refilled):<br>Fuel tank<br>Hydraulic oil tank | <br>ltr. (U.S.Gal) | <br>247 (65.3)<br>90 (23.8) | <br>150 (39.6)<br>80 (21.1) | <br>247 (65.3)<br>90 (23.8) | <br>247 (65.3)<br>90 (23.8) |
| MACHINE SPEC:<br>Boom<br>Arm<br>Bucket (SAE) | <br>mm (ft.in)<br>mm (ft.in)<br>$m^3$ (cu.yd) | <br>4260 (14' 0")<br>2260 (7' 5")<br>0.48 (0.63) | <br>3505 (11' 5")<br>2000 (6' 7")<br>0.38 (0.50) | <br>4600 (15'1")<br>2500 (8'2")<br>0.50 (0.65) | <br>4600 (15' 1")<br>2500 (8' 2")<br>0.6 (0.78) |

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and, indicated implement, shoes and upper attachment.

• EPA Tier 3 and EU Stage 3A model

○ EPA Tier 4 Interim and EU Stage 3B model



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| Item | Model | PC130-7 | PC130-7 | PC130F-7 | •PC138US-8 |
|---|---|---|---|---|---|
| Source | | India | China | Indonesia | Japan |
| OPERATING WEIGHT* | kg (lb) | 12600 (27,780) | 12600 (27,780) | 13975 (30,810) | 13480 (29,720) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | | | | 72.1 (96.6)/2200 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 66 (89)/2200 | 66 (88)/2200 | 66 (88)/2200 | 68.4 (91.7)/2200 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | | | |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 0.53 ~ 0.70 (0.69) (0.91) | 0.36 ~ 0.64 (0.47) (0.84) | 0.45 ~ 0.55 (0.59) (0.72) | 0.18 ~ 0.60 (0.24) (0.78) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 11.0 | 11.0 | 11.0 | 11.0 |
| Max travel speed Hi | km/h (MPH) | 5.5 (3.4) | 5.5 (3.4) | 4.2 (2.6) | 5.1 (3.2) |
| Mi | | | | | |
| Lo | | 2.7 (1.67) | 2.7 (1.7) | 2.4 (1.5) | 2.9 (1.8) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA4D95LE-3 | KOMATSU SAA4D95LE | KOMATSU SAA4D95LE-3 | KOMATSU SAA4D95LE-5 |
| No. of cylinders- | mm | 4-95 × 115 | 4-95 × 115 | 4-95 × 115 | 4-95 × 115 |
| bore × stroke | (in) | (3.74 × 4.53) | (3.74 × 4.53) | (3.74 × 4.53) | (3.74 × 4.53) |
| Piston displacement | ltr. (cu.in) | 3.26 (199) | 3.26 (199) | 3.26 (199) | 3.26 (199) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | 1 × Variable Piston+Gear pump | 1 × Variable Piston | 1 × Variable Piston+Gear pump | 1 × Variable Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 226 (59.7) | 226 (60) | 312 (82.4) | 241.5 (63.8) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 325 (4620) | 355 (5050) | 325 (4620) | 355 (5050) |
| Track shoe width/ ground pressure | mm (in)/ $kg/cm^2$ (PSI) | 500 (20)/ 0.39 (5.54) | 500 (20)/ 0.39 (5.5) | 900 (35.4)/ 0.26 (3.70) | 500 (20)/ 0.43 (6.1) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S.Gal) | 247 (65.3) | 247 (65.3) | 247 (65.3) | 195 (51.5) |
| Hydraulic oil tank | | 90 (23.8) | 90 (23.8) | 90 (23.8) | 69 (18.2) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 4600 (15' 1") | 4600 (15'1") | 4260 (14' 0") | 4600 (15'1") |
| Arm | mm (ft.in) | 2100 (6'10") | 2500 (8'2") | 2360 (7' 9") | 2500 (8'2") |
| Bucket (SAE) | $m^3$ (cu.yd) | 0.64 (0.83) | 0.53 (0.69) | 0.55 (0.72) | 0.50 (0.65) |

| Item | Model | ○PC138USLC-10 | •PC160LC-8 | •PC160LC-8 | •PC160LC-8 |
|---|---|---|---|---|---|
| Source | | USA | Japan | UK | Thailand |
| OPERATING WEIGHT* | kg (lb) | 14600 (32,190) | 16680 (36,770) | 17260 (38,050) | 16760 (36,850) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 72.6 (97.3)/2050 | 90 (121)/2200 | 90 (121)/2200 | 90 (121)/2200 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 69.7 (93.5)/2050 | 86 (115)/2200 | 86 (115)/2200 | 86 (115)/2200 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | | | |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 0.26 ~ 0.76 (0.34) (0.99) | 0.60 ~ 0.70 (0.78) (0.92) | 0.38 ~ 0.94 (0.50) (1.23) | 0.60 ~ 0.74 (0.78) (0.97) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 11.0 | 12.0 | 12.0 | 12.0 |
| Max travel speed Hi | km/h (MPH) | 5.1 (3.2) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) |
| Mi | | | | | |
| Lo | | 2.9 (1.8) | 3.4 (2.1) | 3.4 (2.1) | 3.4 (2.1) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA4D95LE-6 | KOMATSU SAA4D107E-1 | KOMATSU SAA4D107E-1 | KOMATSU SAA4D107E-1 |
| No. of cylinders- | mm | 4-95 × 115 | 4-107 × 124 | 4-107 × 124 | 4-107 × 124 |
| bore × stroke | (in) | (3.74 × 4.53) | (4.21 × 4.88) | (4.21 × 4.88) | (4.21 × 4.88) |
| Piston displacement | ltr. (cu.in) | 3.26 (199) | 4.46 (272) | 4.46 (272) | 4.46 (272) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | 1 × Variable Piston+Gear pump | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 242 (63.9) | 312 (82.4) | 312 (82.4) | 312 (82.4) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 355 (5050) | 380 (5400) | 380 (5400) | 380 (5400) |
| Track shoe width/ ground pressure | mm (in)/ $kg/cm^2$ (PSI) | 600 (24)/ 0.36 (5.12) | 500 (20)/ 0.49 (7.0) | 500 (20)/ 0.53 (7.54) | 500 (20)/ 0.49 (6.96) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S.Gal) | 200 (52.8) | 280 (74) | 280 (74) | 280 (74) |
| Hydraulic oil tank | | 69 (18.2) | 121 (32.0) | 121 (32) | 121 (32) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 4600 (15' 1") | 5150 (16'11") | 5150 (16'11") | 5150 (16'11") |
| Arm | mm (ft.in) | 2500 (8' 2") | 2610 (8'7") | 2610 (8'7") | 2900 (9'6") |
| Bucket (SAE) | $m^3$ (cu.yd) | 0.50 (0.65) | 0.65 (0.85) | 0.66 (0.86) | 0.74 (0.97) |

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and, indicated implement, shoes and upper attachment.
• EPA Tier 3 and EU Stage 3A model
○ EPA Tier 4 Interim and EU Stage 3B model



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| Item | Model | •PC160LC-8 | PC160LC-7 | •PC190LC-8 | •PC190NLC-8 |
|---|---|---|---|---|---|
| Source | | Brazil | China | UK | UK |
| OPERATING WEIGHT* | kg (lb) | 17400 (38,360) | 16400 (36,160) | 19040 (41,980) | 18820 (41,490) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 90 (121)/2200 | | | |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 86 (115)/2200 | 82.4 (111)/2200 | 92 (123)/2200 | 92 (123)/2200 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | | | |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 0.65 ~ 1.20 (0.85) (1.57) | 0.65 ~ 0.75 (0.85) (0.98) | 0.38 ~ 1.14 (0.50) (1.49) | 0.38 ~ 1.14 (0.50) (1.49) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 12.0 | 12.0 | 12.0 | 12.0 |
| Max travel speed Hi | km/h (MPH) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) |
| Mi | | | | | |
| Lo | | 3.4 (2.1) | 3.4 (2.1) | 3.4 (2.1) | 3.4 (2.1) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE: | | KOMATSU | KOMATSU | KOMATSU | KOMATSU |
| Model | | SAA4D107E-1 | SAA4D102E-2 | SAA4D107E-1 | SAA4D107E-1 |
| No. of cylinders- | mm | 4-107 × 124 | 4-102 × 120 | 4-107 × 124 | 4-107 × 124 |
| bore × stroke | (in) | (4.21 × 4.88) | (4.05 × 4.72) | (4.21 × 4.88) | (4.21 × 4.88) |
| Piston displacement | ltr. (cu.in) | 4.46 (272) | 3.92 (239) | 4.46 (272) | 4.46 (272) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 312 (82.4) | 312 (82.4) | 312 (82.4) | 312 (82.4) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 380 (5400) | 380 (5400) | 380 (5400) | 380 (5400) |
| Track shoe width/ ground pressure | mm (in)/ $kg/cm^2$ (PSI) | 700 (28)/ 0.36 (5.12) | 500 (20)/ 0.47 (6.7) | 600 (24)/ 0.44 (6.26) | 500 (20)/ 0.50 (7.11) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S.Gal) | 280 (74) | 280 (74) | 280 (74) | 280 (74) |
| Hydraulic oil tank | | 121 (32) | 121 (32.0) | 121 (32) | 121 (32) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 5150 (16'11") | 5150 (16'11") | 5150 (16'11") | 5150 (16'11") |
| Arm | mm (ft.in) | 2250 (7' 5") | 2610 (8'7") | 2610 (8'7") | 2610 (8'7") |
| Bucket (SAE) | $m^3$ (cu.yd) | 0.80 (1.05) | 0.65 (0.85) | 0.75 (0.98) | 0.75 (0.98) |

| Item | Model | •HB205-1 | •HB215LC-1 | •HB215LC-1 | •PC200-8 |
|---|---|---|---|---|---|
| Source | | Japan | Japan | UK | Japan, Russia |
| OPERATING WEIGHT* | kg (lb) | 20200 (44,530) | 21600 (47,620) | 21220 (46,780) | 19500 (42,990) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 110 (148)/2000 | 110 (148)/2000 | 110 (148)/2000 | 116 (155)/2000 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 104 (139)/2000 | 104 (139)/2000 | 104 (139)/2000 | 110 (148)/2000 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | | | |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 0.80 ~ 1.05 (1.05) (1.37) | 0.80 ~ 1.05 (1.05) (1.37) | 0.43 ~ 1.68 (0.56) (2.20) | 0.50 ~ 1.17 (0.65) (1.53) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 12.4 | 12.4 | 12.4 | 12.4 |
| Max travel speed Hi | km/h (MPH) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) |
| Mi | | 4.1 (2.5) | 4.1 (2.5) | 4.1 (2.5) | 4.1 (2.5) |
| Lo | | 3.0 (1.9) | 3.0 (1.9) | 3.0 (1.9) | 3.0 (1.9) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE: | | KOMATSU | KOMATSU | KOMATSU | KOMATSU |
| Model | | SAA4D107E-1-A | SAA4D107E-1-A | SAA4D107E-1-A | SAA6D107E-1 |
| No. of cylinders- | mm | 4-107 × 124 | 4-107 × 124 | 4-107 × 124 | 6-107 × 124 |
| bore × stroke | (in) | (4.21 × 4.88) | (4.21 × 4.88) | (4.21 × 4.88) | (4.21 × 4.88) |
| Piston displacement | ltr. (cu.in) | 4.46 (272) | 4.46 (272) | 4.46 (272) | 6.69 (408) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 439 (116) | 439 (116) | 439 (116) | 439 (116) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 380 (5400) | 380 (5400) | 380 (5400) | 380 (5400) |
| Track shoe width/ ground pressure | mm (in)/ $kg/cm^2$ (PSI) | 600 (24)/ 0.47 (6.68) | 700 (28)/ 0.39 (5.55) | 600 (24)/ 0.45 (6.40) | 600 (24)/ 0.46 (6.54) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S.Gal) | 400 (106) | 400 (106) | 400 (106) | 400 (105.7) |
| Hydraulic oil tank | | 135 (36) | 135 (36) | 135 (36) | 135 (35.7) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 5700 (18' 8") | 5700 (18' 8") | 5700 (18' 8") | 5700 (18' 8") |
| Arm | mm (ft.in) | 2925 (9' 7") | 2925 (9' 7") | 2925 (9' 7") | 2925 (9' 7") |
| Bucket (SAE) | $m^3$ (cu.yd) | 0.80 (1.05) | 0.80 (1.05) | 0.80 (1.05) | 0.80 (1.05) |

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and, indicated implement, shoes and upper attachment.

• EPA Tier 3 and EU Stage 3A model



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| Item | Model | PC200-8M0 | •PC200-8 | PC200-8M0 | •PC200-8 |
|---|---|---|---|---|---|
| Source | | Japan | Indonesia | Thailand | China |
| OPERATING WEIGHT* | kg (lb) | 19900 (43,870) | 20010 (44,110) | 19900 (43,870) | 19900 (43,870) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 110 (147)/2000 | 116 (155)/2000 | 110 (147)/2000 | 116 (155)/2000 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 103 (138)/2000 | 110 (148)/2000 | 103 (138)/2000 | 110 (148)/2000 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | | | |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 0.50 ~ 1.17 (0.65) (1.53) | 0.8 ~ 0.93 (1.05) (1.22) | 0.50 ~ 1.17 (0.65) (1.53) | 0.80 ~ 1.00 (1.05) (1.31) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 12.4 | 12.4 | 12.4 | 12.4 |
| Max travel speed Hi | km/h (MPH) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) |
| Mi | | 4.1 (2.5) | 4.1 (2.5) | 4.1 (2.5) | 4.1 (2.5) |
| Lo | | 3.0 (1.9) | 3.0 (1.9) | 3.0 (1.9) | 3.0 (1.9) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE: | | KOMATSU | KOMATSU | KOMATSU | KOMATSU |
| Model | | SAA4D107E-1 | SAA6D107E-1 | SAA4D107E-1 | SAA6D107E-1 |
| No. of cylinders- | mm | 4-107 × 124 | 6-107 × 124 | 4-107 × 124 | 6-107 × 124 |
| bore × stroke | (in) | (4.21 × 4.88) | (4.21 × 4.88) | (4.21 × 4.88) | (4.21 × 4.88) |
| Piston displacement | ltr. (cu.in) | 4.46 (272) | 6.69 (408) | 4.46 (272) | 6.69 (408) |
| HYDRAULIC SYSTEM: | | 2 × Variable | 2 × Variable | 2 × Variable | 2 × Variable |
| Hydraulic pump | | Piston | Piston | Piston | Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 439 (116) | 439 (116) | 439 (116) | 439 (116) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 380 (5400) | 380 (5400) | 380 (5400) | 380 (5400) |
| Track shoe width/ | mm (in)/ | 600 (24)/ | 800 (31.5)/ | 600 (24)/ | 600 (24)/ |
| ground pressure | $kg/cm^2$ (PSI) | 0.47 (6.68) | 0.35 (5.00) | 0.47 (6.68) | 0.46 (6.5) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S.Gal) | 400 (106) | 400 (106) | 400 (106) | 400 (105.7) |
| Hydraulic oil tank | | 135 (36) | 135 (36) | 135 (36) | 135 (35.7) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 5700 (18' 8") | 5700 (18' 8") | 5700 (18' 8") | 5700 (18'8") |
| Arm | mm (ft.in) | 2925 (9' 7") | 2925 (9' 7") | 2925 (9' 7") | 2925 (9'7") |
| Bucket (SAE) | $m^3$ (cu.yd) | 0.80 (1.05) | 0.80 (1.05) | 0.80 (1.05) | 0.8 (1.05) |

| Item | Model | •PC200-8 | PC200-7 | •PC200LC-8 | PC200LC-8M0 |
|---|---|---|---|---|---|
| Source | | Brazil | Japan | Japan, Russia | Japan |
| OPERATING WEIGHT* | kg (lb) | 21000 (46,300) | 19500 (42,990) | 20900 (46,080) | 21100 (46,520) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 116 (155)/2000 | | 116 (155)/2000 | 110 (147)/2000 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 110 (148)/2000 | 107 (143)/1950 | 110 (148)/2000 | 103 (138)/2000 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | | | |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 0.8 ~ 1.5 (1.05) (1.96) | 0.50 ~ 1.17 (0.65) (1.53) | 0.50 ~ 1.17 (0.65) (1.53) | 0.50 ~ 1.17 (0.65) (1.53) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 12.4 | 12.4 | 12.4 | 12.4 |
| Max travel speed Hi | km/h (MPH) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) |
| Mi | | 4.1 (2.5) | | 4.1 (2.5) | 4.1 (2.5) |
| Lo | | 3.0 (1.9) | 3.0 (1.9) | 3.0 (1.9) | 3.0 (1.9) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE: | | KOMATSU | KOMATSU | KOMATSU | KOMATSU |
| Model | | SAA6D107E-1 | SAA6D102E-2 | SAA6D107E-1 | SAA4D107E-1 |
| No. of cylinders- | mm | 6-107 × 124 | 6-102 × 120 | 6-107 × 124 | 4-107 × 124 |
| bore × stroke | (in) | (4.21 × 4.88) | (4.02 × 4.72) | (4.21 × 4.88) | (4.21 × 4.88) |
| Piston displacement | ltr. (cu.in) | 6.69 (408) | 5.88 (359) | 6.69 (408) | 4.46 (272) |
| HYDRAULIC SYSTEM: | | 2 × Variable | 2 × Variable | 2 × Variable | 2 × Variable |
| Hydraulic pump | | Piston | Piston | Piston | Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 438 (116) | 428 (113) | 439 (116) | 439 (116) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 380 (5400) | 380 (5400) | 380 (5400) | 380 (5400) |
| Track shoe width/ | mm (in)/ | 700 (28)/ | 600 (24)/ | 700 (28)/ | 700 (28)/ |
| ground pressure | $kg/cm^2$ (PSI) | 0.40 (5.69) | 0.46 (6.5) | 0.44 (6.26) | 0.44 (6.26) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S.Gal) | 400 (106) | 400 (105.7) | 400 (105.7) | 400 (106) |
| Hydraulic oil tank | | 135 (36) | 143 (37.8) | 135 (35.7) | 135 (36) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 5700 (18' 8") | 5700 (18'8") | 5700 (18'8") | 5700 (18' 8") |
| Arm | mm (ft.in) | 2410 (7'11") | 2925 (9'7") | 2925 (9' 7") | 2925 (9' 7") |
| Bucket (SAE) | $m^3$ (cu.yd) | 1.2 (1.57) | 0.80 (1.05) | 0.80 (1.05) | 0.80 (1.05) |

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and, indicated implement, shoes and upper attachment.

• EPA Tier 3 and EU Stage 3A model



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| Item | Model | PC200LC-8M0 | •PC200LC-8 | •PC200LC-8 | ○PC210-10 |
|---|---|---|---|---|---|
| Source | | Thailand | China | Brazil | UK |
| OPERATING WEIGHT* | kg (lb) | 21100 (46,520) | 21300 (46,960) | 22680 (500,000) | 22020 (48,560) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 110 (147)/2000 | 116 (155)/2000 | 116 (155)/2000 | 123 (165)/2000 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 103 (138)/2000 | 110 (148)/2000 | 110 (148)/2000 | 118 (158)/2000 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | | | |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 0.50 ~ 1.17 (0.65) (1.53) | 0.80 ~ 1.00 (1.05) (1.31) | 0.80 ~ 1.50 (1.05) (1.96) | 0.43 ~ 1.68 (0.56) (2.20) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 12.4 | 12.4 | 12.4 | 12.4 |
| Max travel speed Hi | km/h (MPH) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) |
| Mi | | 4.1 (2.5) | 4.1 (2.5) | 4.1 (2.5) | 4.1 (2.5) |
| Lo | | 3.0 (1.9) | 3.0 (1.9) | 3.0 (1.9) | 3.0 (1.9) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA4D107E-1 | KOMATSU SAA6D107E-1 | KOMATSU SAA6D107E-1 | KOMATSU SAA6D107E-2 |
| No. of cylinders- | mm | 4-107 × 124 | 6-107 × 124 | 6-107 × 124 | 6-107 x 124 |
| bore × stroke | (in) | (4.21 × 4.88) | (4.21 × 4.88) | (4.21 × 4.88) | (4.21 x 4.88) |
| Piston displacement | ltr. (cu.in) | 4.46 (272) | 6.69 (408) | 6.69 (408) | 6.69 (408) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston | 2 x Variable Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 439 (116) | 439 (116) | 438 (116) | 475 (125.5) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 380 (5400) | 380 (5400) | 380 (5400) | 380 (5400) |
| Track shoe width/ ground pressure | mm (in)/ $kg/cm^2$ (PSI) | 700 (28)/ 0.44 (6.26) | 600 (24)/ 0.45 (6.4) | 800 (31.5)/ 0.38 (5.40) | 600 (24)/ 0.51 (7.25) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S.Gal) | 400 (106) | 400 (105.7) | 400 (106) | 400 (106) |
| Hydraulic oil tank | | 135 (36) | 135 (35.7) | 135 (36) | 132 (35) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 5700 (18' 8") | 5700 (18'8") | 5200 (17' 1") | 5700 (18' 8") |
| Arm | mm (ft.in) | 2925 (9' 7") | 2925 (9'7") | 2410 (7'11") | 2925 (9' 7") |
| Bucket (SAE) | $m^3$ (cu.yd) | 0.80 (1.05) | 0.80 (1.05) | 1.5 (1.96) | 0.84 (1.10) |

| Item | Model | •PC210-8 | ○PC210LC-10 | ○PC210LC-10 | •PC210NLC-8 |
|---|---|---|---|---|---|
| Source | | China | USA | UK | UK |
| OPERATING WEIGHT* | kg (lb) | 20000 (44,090) | 23603 (52,036) | 22620 (49,870) | 21830 (48,130) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 116 (155)/2000 | 123 (165)/2000 | 123 (165)/2000 | 116 (155)/2000 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 110 (148)/2000 | 118 (158)/2000 | 118 (158)/2000 | 110 (148)/2000 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | | | |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 0.80 ~ 1.00 (1.05) (1.31) | 0.50 ~ 1.20 (0.65) (1.57) | 0.43 ~ 1.68 (0.56) (2.20) | 0.43 ~ 1.68 (0.56) (2.20) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 12.4 | 12.4 | 12.4 | 12.4 |
| Max travel speed Hi | km/h (MPH) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) |
| Mi | | 4.1 (2.5) | 4.1 (2.5) | 4.1 (2.5) | 4.1 (2.5) |
| Lo | | 3.0 (1.9) | 3.0 (1.9) | 3.0 (1.9) | 3.0 (1.9) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D107E-1 | KOMATSU SAA6D107E-2 | KOMATSU SAA6D107E-2 | KOMATSU SAA6D107E-1 |
| No. of cylinders- | mm | 6-107 × 124 | 6-107 × 124 | 6-107 × 124 | 6-107 × 124 |
| bore × stroke | (in) | (4.21 × 4.88) | (4.21 × 4.88) | (4.21 × 4.88) | (4.21 × 4.88) |
| Piston displacement | ltr. (cu.in) | 6.69 (408) | 6.69 (408) | 6.69 (408) | 6.69 (408) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 439 (116) | 475 (125.5) | 475 (125.5) | 439 (116) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 380 (5400) | 380 (5400) | 380 (5400) | 380 (5400) |
| Track shoe width/ ground pressure | mm (in)/ $kg/cm^2$ (PSI) | 600 (24)/ 0.46 (6.5) | 800 (32)/ 0.38 (5.5) | 600 (24)/ 0.48 (6.83) | 500 (20)/ 0.55 (7.82) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S.Gal) | 400 (105.7) | 400 (106) | 400 (106) | 325 (85.9) |
| Hydraulic oil tank | | 135 (35.7) | 132 (35) | 132 (35) | 137 (36.2) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 5700 (18'8") | 5700 (18' 8") | 5700 (18' 8") | 5700 (18' 8") |
| Arm | mm (ft.in) | 2925 (9'7") | 2925 (9' 7") | 2925 (9' 7") | 2925 (9' 7") |
| Bucket (SAE) | $m^3$ (cu.yd) | 0.90 (1.18) | 1.02 (1.34) | 0.84 (1.10) | 0.84 (1.10) |

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and, indicated implement, shoes and upper attachment.
• EPA Tier 3 and EU Stage 3A model
○ EPA Tier 4 Interim and EU Stage 3B model



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| Item | Model | •PC210LC-8 | •PC210LC-8 | •PC220-8 | •PC220-8 |
|---|---|---|---|---|---|
| Source | | China | India | Japan, Russia | China |
| OPERATING WEIGHT* | kg (lb) | 21400 (47,180) | 21600 (47,620) | 22900 (50,490) | 23100 (50,930) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 116 (155)/2000 | | 134 (179)/2000 | 134 (179)/2000 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 110 (148)/2000 | 110 (148)/2000 | 125 (168)/2000 | 125 (168)/2000 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | | | |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 0.80 ~ 1.00 (1.05) (1.31) | 0.95 ~ 1.05 (1.24) (1.37) | 0.72 ~ 1.26 (0.94) (1.65) | 1.0 ~ 1.26 (1.31) (1.65) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 12.4 | 12.4 | 11.7 | 11.7 |
| Max travel speed Hi | km/h (MPH) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) |
| Mi | | 4.1 (2.5) | 4.1 (2.5) | 4.2 (2.6) | 4.2 (2.6) |
| Lo | | 3.0 (1.9) | 3.0 (1.9) | 3.1 (1.9) | 3.1 (1.9) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D107E-1 | KOMATSU SAA6D107E-1 | KOMATSU SAA6D107E-1 | KOMATSU SAA6D107E-1 |
| No. of cylinders- | mm | 6-107 × 120 | 6-107 × 124 | 6-107 × 124 | 6-107 × 120 |
| bore × stroke | (in) | (4.21 × 4.88) | (4.21 × 4.88) | (4.21 × 4.88) | (4.21 × 4.88) |
| Piston displacement | ltr. (cu.in) | 6.69 (408) | 6.69 (408) | 6.69 (408) | 6.69 (408) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 439 (116) | 438 (116) | 439 (116) | 439 (116) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 380 (5400) | 380 (5400) | 380 (5400) | 380 (5400) |
| Track shoe width/ | mm (in)/ | 600 (24)/ | 600 (24)/ | 600 (24)/ | 600 (24)/ |
| ground pressure | $kg/cm^2$ (PSI) | 0.45 (6.4) | 0.47 (6.68) | 0.51 (7.25) | 0.5 (7.1) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S.Gal) | 400 (105.7) | 325 (86) | 400 (105.7) | 400 (105.7) |
| Hydraulic oil tank | | 135 (35.7) | 137 (36) | 135 (35.7) | 135 (35.7) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 5700 (18'8") | 5700 (18' 8") | 5850 (19'2") | 5850 (19'2") |
| Arm | mm (ft.in) | 2925 (9'7") | 2400 (7'10") | 3045 (10'0") | 3045 (10'0") |
| Bucket (SAE) | $m^3$ (cu.yd) | 0.90 (1.18) | 1.05 (1.37) | 1.00 (1.31) | 1.0 (1.31) |

| Item | Model | PC220-8M0 | PC220-7 | •PC220LC-8 | PC220LC-8M0 |
|---|---|---|---|---|---|
| Source | | Japan | Japan | Japan, Russia | Japan |
| OPERATING WEIGHT* | kg (lb) | 23200 (51,150) | 22840 (50,350) | 24330 (53,640) | 24600 (54,230) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 129 (173)/2000 | | 134 (179)/2000 | 129 (173)/2000 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 123 (164)/2000 | 125 (168)/2200 | 125 (168)/2000 | 123 (164)/2000 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | | | |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 0.72 ~ 1.26 (0.94) (1.65) | 0.72 ~ 1.26 (0.94) (1.65) | 0.72 ~ 1.26 (0.94) (1.65) | 0.72 ~ 1.26 (0.94) (1.65) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 11.7 | 11.7 | 11.7 | 11.7 |
| Max travel speed Hi | km/h (MPH) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) |
| Mi | | 4.2 (2.6) | | 4.2 (2.6) | 4.2 (2.6) |
| Lo | | 3.1 (1.9) | 3.1 (1.9) | 3.1 (1.9) | 3.1 (1.9) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D107E-1 | KOMATSU SAA6D102E-2 | KOMATSU SAA6D107E-1 | KOMATSU SAA6D107E-1 |
| No. of cylinders- | mm | 6-107 × 124 | 6-102 × 120 | 6-107 × 124 | 6-107 × 124 |
| bore × stroke | (in) | (4.21 × 4.88) | (4.02 × 4.72) | (4.21 × 4.88) | (4.21 × 4.88) |
| Piston displacement | ltr. (cu.in) | 6.69 (408) | 5.88 (359) | 6.69 (408) | 6.69 (408) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 439 (116) | 439 (116) | 439 (116) | 439 (116) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 380 (5400) | 380 (5400) | 380 (5400) | 380 (5400) |
| Track shoe width/ | mm (in)/ | 600 (24)/ | 600 (24)/ | 700 (28)/ | 600 (24)/ |
| ground pressure | $kg/cm^2$ (PSI) | 0.52 (7.39) | 0.51 (7.3) | 0.42 (5.97) | 0.52 (7.39) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S.Gal) | 400 (106) | 400 (105.7) | 400 (105.7) | 400 (106) |
| Hydraulic oil tank | | 135 (36) | 143 (37.8) | 135 (35.7) | 135 (36) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 5850 (19' 2") | 5850 (19'2") | 5850 (19'2") | 5850 (19' 2") |
| Arm | mm (ft.in) | 3045 (10' 0") | 3045 (10'0") | 3045 (10'0") | 3045 (10' 0") |
| Bucket (SAE) | $m^3$ (cu.yd) | 1.0 (1.31) | 1.0 (1.31) | 1.0 (1.31) | 1.0 (1.31) |

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and, indicated implement, shoes and upper attachment.

• EPA Tier 3 and EU Stage 3A model



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| Item | Model | PC220LC-7 | •PC228US-8 | •PC228USLC-8 | •PC228USLC-8 |
|---|---|---|---|---|---|
| Source | | Japan | Japan | Japan | Japan (for USA) |
| OPERATING WEIGHT* | kg (lb) | 24270 (53,510) | 21900 (48,280) | 23100 (50,930) | 24675 (54,405) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | | 116 (155)/2000 | 116 (155)/2000 | 116 (155)/2000 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 125 (168)/2000 | 110 (148)/2000 | 110 (148)/2000 | 110 (148)/2000 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | | | |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 0.72 ~ 1.26 (0.94) (1.65) | 0.50 ~ 1.10 (0.65) (1.31) | 0.50 ~ 1.10 (0.65) (1.31) | 0.50 ~ 1.20 (0.65) (1.57) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 11.7 | 11.0 | 11.0 | 11.0 |
| Max travel speed Hi | km/h (MPH) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) |
| Mi | | | 4.1 (2.5) | 4.1 (2.5) | 4.1 (2.5) |
| Lo | | 3.1 (1.9) | 3.0 (1.9) | 3.0 (1.9) | 3.0 (1.9) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D102E-2 | KOMATSU SAA6D107E-1 | KOMATSU SAA6D107E-1 | KOMATSU SAA6D107E-1 |
| No. of cylinders- bore × stroke | mm (in) | 6-107 × 120 (4.02 × 4.72) | 6-107 × 124 (4.21 × 4.88) | 6-107 × 124 (4.21 × 4.88) | 6-107 × 124 (4.21 × 4.88) |
| Piston displacement | ltr. (cu.in) | 5.88 (359) | 6.69 (408) | 6.69 (408) | 6.69 (408) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 439 (116) | 428 (113) | 428 (113) | 428 (113) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 380 (5400) | 380 (5400) | 380 (5400) | 380 (5400) |
| Track shoe width/ ground pressure | mm (in)/ $kg/cm^2$ (PSI) | 700 (28)/ 0.42 (6.0) | 600 (24)/ 0.51 (7.25) | 700 (28)/ 0.42 (5.97) | 800 (31.5)/ 0.39 (5.55) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S.Gal) | 400 (105.7) | 320 (84.5) | 320 (84.5) | 320 (84.5) |
| Hydraulic oil tank | | 143 (37.8) | 126 (33.3) | 126 (33.3) | 126 (33.3) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 5850 (19.2) | 5700 (18'8") | 5700 (18'8") | 5700 (18' 8") |
| Arm | mm (ft.in) | 3045 (10'0") | 2925 (9'7") | 2925 (9'7") | 2925 (9' 7") |
| Bucket (SAE) | $m^3$ (cu.yd) | 1.0 (1.31) | 0.80 (1.05) | 0.80 (1.05) | 0.80 (1.05) |

| Item | Model | •PC228USLC-8 | •PC230NHD-8 | ○PC240LC-10 | ○PC240LC-10 |
|---|---|---|---|---|---|
| Source | | Japan (for EU) | UK | USA | UK |
| OPERATING WEIGHT* | kg (lb) | 22730 (50,110) | 22820 (50,310) | 25006 (55,129) | 25500 (56,220) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 116 (155)/2000 | 116 (155)/2000 | 141 (189)/2000 | 141 (189)/2000 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 110 (148)/2000 | 110 (148)/2000 | 132 (177)/2000 | 132 (177)/2000 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | | | |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 0.48 ~ 1.68 (0.63) (2.20) | 0.43 ~ 1.58 (0.56) (2.07) | 0.58 ~ 1.41 (0.76) (1.85) | 0.47 ~ 1.89 (0.61) (2.47) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 11.0 | 12.4 | 11.7 | 11.7 |
| Max travel speed Hi | km/h (MPH) | 5.5 (3.4) | 5.4 (3.4) | 5.5 (3.4) | 5.5 (3.4) |
| Mi | | 4.1 (2.5) | 3.6 (2.2) | 4.1 (2.5) | 4.1 (2.5) |
| Lo | | 3.0 (1.9) | 2.6 (1.6) | 3.0 (1.9) | 3.0 (1.9) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D107E-1 | KOMATSU SAA6D107E-1 | KOMATSU SAA6D107E-2 | KOMATSU SAA6D107E-2 |
| No. of cylinders- bore × stroke | mm (in) | 6-107 × 124 (4.21 × 4.88) | 6-107 × 124 (4.21 × 4.88) | 6-107 × 124 (4.21 × 4.88) | 6-107 × 124 (4.21 × 4.88) |
| Piston displacement | ltr. (cu.in) | 6.69 (408) | 6.69 (415) | 6.69 (408) | 6.69 (408) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 438 (116) | 438 (116) | 475 (125.5) | 475 (125.5) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 380 (5400) | 380 (5400) | 380 (5400) | 380 (5400) |
| Track shoe width/ ground pressure | mm (in)/ $kg/cm^2$ (PSI) | 600 (24)/ 0.48 (6.83) | 550 (22)/ 0.56 (8.0) | 800 (31.5)/ 0.38 (5.40) | 700 (28)/ 0.44 (6.26) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S.Gal) | 320 (84.5) | 325 (85.9) | 400 (105.7) | 400 (105.7) |
| Hydraulic oil tank | | 126 (33.3) | 137 (36.2) | 132 (34.9) | 132 (34.9) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 5700 (18'8") | 5700 (18' 8") | 5850 (19'2") | 5850 (19'2") |
| Arm | mm (ft.in) | 2900 (9'7") | 2400 (7' 10") | 3045 (10'0") | 3000 (10'0") |
| Bucket (SAE) | $m^3$ (cu.yd) | 0.80 (1.05) | 1.16 (1.52) | 1.2 (1.57) | 1.0 (1.31) |

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and, indicated implement, shoes and upper attachment.
• EPA Tier 3 and EU Stage 3A model
○ EPA Tier 4 Interim and EU Stage 3B model



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| Item | | Model | ○PC240NLC-10 | •PC240LC-8 | •PC240LC-8 | •PC270-8 |
|---|---|---|---|---|---|---|
| Source | | | UK | China | Brazil | Japan |
| OPERATING WEIGHT* | | kg (lb) | 24600 (54,230) | 25130 (55,400) | 24850 (54,790) | 27140 (59,830) |
| HORSEPOWER | SAE J1995 Gross | kW (HP)/RPM | 141 (189)/2000 | 134 (179)/2000 | 134 (180)/2000 | 149 (200)/2050 |
| | ISO9249 /SAE J1349 Net | kW (HP)/RPM | 132 (177)/2000 | 125 (168)/2000 | 125 (168)/2000 | 140 (187)/2050 |
| | Hyd. fan at max. speed Net | kW (HP)/RPM | | | | |
| BUCKET CAPACITY RANGE (SAE) | | $m^3$ (cu.yd) | 0.47 ~ 1.89 (0.61) (2.49) | 1.0 ~ 1.2 (1.31) (1.57) | 0.72 ~ 1.73 (0.94) (2.26) | 1.14 ~ 1.26 (1.49) (1.65) |
| PERFORMANCE: | | | | | | |
| Swing speed | | RPM | 11.7 | 11.7 | 11.7 | 10.5 |
| Max travel speed | Hi | km/h (MPH) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) |
| | Mi | | 4.1 (2.5) | 4.2 (2.6) | 4.2 (2.6) | 4.1 (2.5) |
| | Lo | | 3.0 (1.9) | 3.1 (1.9) | 3.1 (1.9) | 3.0 (1.9) |
| DIMENSIONS: See the page of dimensions. | | | | | | |
| ENGINE: | | | | | | |
| Model | | | KOMATSU SAA6D107E-2 | KOMATSU SAA6D107E-1 | KOMATSU SAA6D107E-1 | KOMATSU SAA6D107E-1 |
| No. of cylinders- | | mm | 6-107 × 124 | 6-107 × 124 | 6-107 × 124 | 6-107 × 124 |
| bore × stroke | | (in) | (4.21 × 4.88) | (4.21 × 4.88) | (4.21 × 4.88) | (4.21 × 4.88) |
| Piston displacement | | ltr. (cu.in) | 6.69 (408) | 6.69 (408) | 6.69 (408) | 6.69 (408) |
| HYDRAULIC SYSTEM: | | | | | | |
| Hydraulic pump | | | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston |
| Max. oil flow | | ltr. (U.S. Gal)/min. | 475 (125.5) | 439 (116) | 439 (116) | 450 (119) |
| Max. oil pressure (Implement) | | $kg/cm^2$ (PSI) | 380 (5400) | 380 (5400) | 380 (5400) | 380 (5400) |
| Track shoe width/ ground pressure | | mm (in)/ $kg/cm^2$ (PSI) | 600 (24)/ 0.52 (7.39) | 600 (24)/ 0.51 (7.25) | 600 (24)/ 0.50 (7.11) | 600 (24)/ 0.56 (7.96) |
| CAPACITY (Refilled): | | | | | | |
| Fuel tank | | ltr. (U.S.Gal) | 400 (105.7) | 400 (105.7) | 400 (105.7) | 400 (105.7) |
| Hydraulic oil tank | | | 132 (34.9) | 135 (35.7) | 135 (35.7) | 132 (34.9) |
| MACHINE SPEC: | | | | | | |
| Boom | | mm (ft.in) | 5850 (19'2") | 5850 (19'2") | 5850 (19'2") | 5850 (19'2") |
| Arm | | mm (ft.in) | 3000 (10'0") | 3045 (10'0") | 2500 (8'2") | 3045 (10'0") |
| Bucket (SAE) | | $m^3$ (cu.yd) | 1.0 (1.31) | 1.0 (1.31) | 1.73 (2.26) | 1.26 (1.65) |

| Item | | Model | PC270-7 | •PC270LC-8 | ○PC290LC-10 | ○PC290LC-10 |
|---|---|---|---|---|---|---|
| Source | | | China | Japan | USA | UK |
| OPERATING WEIGHT* | | kg (lb) | 27350 (60,300) | 28640 (63,140) | 30950 (68,234) | 30300 (66,800) |
| HORSEPOWER | SAE J1995 Gross | kW (HP)/RPM | | 149 (200)/2050 | 159 (213)/2050 | 159 (213)/2050 |
| | ISO9249 /SAE J1349 Net | kW (HP)/RPM | 134 (179)/2050 | 140 (187)/2050 | 147 (196)/2050 | 147 (196)/2050 |
| | Hyd. fan at max. speed Net | kW (HP)/RPM | | | | |
| BUCKET CAPACITY RANGE (SAE) | | $m^3$ (cu.yd) | 1.3 (1.7) | 1.14 ~ 1.26 (1.49) (1.65) | 0.58 ~ 1.63 (0.76) (2.13) | 0.85 ~ 2.02 (1.11) (2.64) |
| PERFORMANCE: | | | | | | |
| Swing speed | | RPM | 10.5 | 10.5 | 10.5 | 10.5 |
| Max travel speed | Hi | km/h (MPH) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) |
| | Mi | | 4.1 (2.6) | 4.1 (2.5) | 4.1 (2.5) | 4.1 (2.5) |
| | Lo | | 3.0 (1.9) | 3.0 (1.9) | 3.0 (1.9) | 3.0 (1.9) |
| DIMENSIONS: See the page of dimensions. | | | | | | |
| ENGINE: | | | | | | |
| Model | | | KOMATSU SAA6D102E-2 | KOMATSU SAA6D107E-1 | KOMATSU SAA6D107E-2 | KOMATSU SAA6D107E-2 |
| No. of cylinders- | | mm | 6-102 × 120 | 6-107 × 124 | 6-107 × 124 | 6-107 × 124 |
| bore × stroke | | (in) | (4.02 × 4.72) | (4.21 × 4.88) | (4.21 × 4.88) | (4.21 × 4.88) |
| Piston displacement | | ltr. (cu.in) | 5.88 (359) | 6.69 (408) | 6.69 (408) | 6.69 (408) |
| HYDRAULIC SYSTEM: | | | | | | |
| Hydraulic pump | | | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston |
| Max. oil flow | | ltr. (U.S. Gal)/min. | 450 (119) | 450 (119) | 479 (126.5) | 479 (126.5) |
| Max. oil pressure (Implement) | | $kg/cm^2$ (PSI) | 380 (5400) | 380 (5400) | 380 (5400) | 380 (5400) |
| Track shoe width/ ground pressure | | mm (in)/ $kg/cm^2$ (PSI) | 600 (24)/ 0.56 (8.0) | 700 (28)/ 0.47 (6.68) | 800 (31.5)/ 0.45 (6.40) | 700 (28)/ 0.46 (6.54) |
| CAPACITY (Refilled): | | | | | | |
| Fuel tank | | ltr. (U.S.Gal) | 400 (106) | 400 (105.7) | 400 (105.7) | 400 (105.7) |
| Hydraulic oil tank | | | 143 (37.8) | 132 (34.9) | 132 (34.9) | 132 (34.9) |
| MACHINE SPEC: | | | | | | |
| Boom | | mm (ft.in) | 5850 (19'2") | 5850 (19'2") | 6150 (20'2") | 6150 (20'2") |
| Arm | | mm (ft.in) | 3045 (10'0") | 3045 (10'0") | 3200 (10'6") | 3200 (10'6") |
| Bucket (SAE) | | $m^3$ (cu.yd) | 1.3 (1.7) | 1.26 (1.65) | 1.41 (1.85) | 1.20 (1.57) |

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and, indicated implement, shoes and upper attachment.

• EPA Tier 3 and EU Stage 3A model

○ EPA Tier 4 Interim and EU Stage 3B model



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| Item | | Model | ○PC290NLC-10 | •PC300-8 | •PC300-8 | •PC300-8 (SE spec.) |
|---|---|---|---|---|---|---|
| Source | | | UK | Japan, Russia | Indonesia | Indonesia |
| OPERATING WEIGHT* | | kg (lb) | 29800 (65,700) | 31100 (68,560) | 31810 (70,130) | 33790 (74,490) |
| HORSEPOWER | SAE J1995 Gross | kW (HP)/RPM | 159 (213)/2050 | 194 (260)/1950 | 194 (260)/1950 | 194 (260)/1950 |
| | ISO9249 /SAE J1349 Net | kW (HP)/RPM | 147 (196)/2050 | 184 (246)/1950 | 184 (246)/1950 | 184 (246)/1950 |
| | Hyd. fan at max. speed Net | kW (HP)/RPM | | | | |
| BUCKET CAPACITY RANGE (SAE) | | $m^3$ (cu.yd) | 0.85 ~ 2.02 (1.11) (2.64) | 0.52 ~ 1.80 (0.68) (2.35) | 0.52 ~ 2.30 (0.68) (3.01) | 0.52 ~ 2.30 (0.68) (3.01) |
| PERFORMANCE: | | | | | | |
| Swing speed | | RPM | 10.5 | 9.5 | 9.5 | 9.5 |
| Max travel speed | Hi | km/h (MPH) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) |
| | Mi | | 4.1 (2.5) | 4.5 (2.8) | 4.5 (2.8) | 4.5 (2.8) |
| | Lo | | 3.0 (1.9) | 3.2 (2.0) | 3.2 (2.0) | 3.2 (2.0) |
| DIMENSIONS: See the page of dimensions. | | | | | | |
| ENGINE: | | | KOMATSU | KOMATSU | KOMATSU | KOMATSU |
| Model | | | SAA6D107E-2 | SAA6D114E-3 | SAA6D114E-3 | SAA6D114E-3 |
| No. of cylinders- | | mm | 6-107 × 124 | 6-114 × 135 | 6-114 × 135 | 6-114 × 135 |
| bore × stroke | | (in) | (4.21 × 4.88) | (4.49 × 5.31) | (4.49 × 5.31) | (4.49 × 5.31) |
| Piston displacement | | ltr. (cu.in) | 6.69 (408) | 8.27 (505) | 8.27 (505) | 8.27 (505) |
| HYDRAULIC SYSTEM: | | | 2 × Variable | 2 × Variable | 2 × Variable | 2 × Variable |
| Hydraulic pump | | | Piston | Piston | Piston | Piston |
| Max. oil flow | | ltr. (U.S. Gal)/min. | 479 (126.5) | 535 (141) | 535 (141) | 535 (141) |
| Max. oil pressure (Implement) | | $kg/cm^2$ (PSI) | 380 (5400) | 380 (5400) | 380 (5400) | 380 (5400) |
| Track shoe width/ ground pressure | | mm (in)/ $kg/cm^2$ (PSI) | 600 (24)/ 0.53 (7.54) | 600 (24)/ 0.64 (9.1) | 800 (31.5)/ 0.49 (6.97) | 800 (31.5)/ 0.52 (7.39) |
| CAPACITY (Refilled): | | | | | | |
| Fuel tank | | ltr. (U.S.Gal) | 400 (105.7) | 605 (160) | 605 (160) | 605 (160) |
| Hydraulic oil tank | | | 132 (34.9) | 188 (49.7) | 188 (49.7) | 188 (49.7) |
| MACHINE SPEC: | | | | | | |
| Boom | | mm (ft.in) | 6150 (20'2") | 6470 (21' 3") | 6470 (21'3") | 6470 (21'3") |
| Arm | | mm (ft.in) | 3200 (10'6") | 3185 (10' 5") | 3185 (10'5") | 3185 (10'5") |
| Bucket (SAE) | | $m^3$ (cu.yd) | 1.20 (1.57) | 1.4 (1.83) | 1.4 (1.83) | 1.4 (1.83) |

| Item | | Model | •PC300-8 | PC300-7 | PC300-7 | •PC300LC-8 |
|---|---|---|---|---|---|---|
| Source | | | Thailand | Japan | China | Japan, Russia |
| OPERATING WEIGHT* | | kg (lb) | 31100 (68,560) | 30800 (67,900) | 31200 (68,780) | 32200 (70,990) |
| HORSEPOWER | SAE J1995 Gross | kW (HP)/RPM | 194 (260)/1950 | | | 194 (260)/1950 |
| | ISO9249 /SAE J1349 Net | kW (HP)/RPM | 184 (246)/1950 | 180 (242)/1900 | 180 (242)/1900 | 184 (246)/1950 |
| | Hyd. fan at max. speed Net | kW (HP)/RPM | | | | |
| BUCKET CAPACITY RANGE (SAE) | | $m^3$ (cu.yd) | 0.52 ~ 2.30 (0.68) (3.01) | 0.52 ~ 1.80 (0.68) (1.83) | 1.40 ~ 1.60 (1.83) (2.09) | 0.52 ~ 1.80 (0.68) (2.35) |
| PERFORMANCE: | | | | | | |
| Swing speed | | RPM | 9.5 | 9.5 | 9.5 | 9.5 |
| Max travel speed | Hi | km/h (MPH) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) |
| | Mi | | 4.5 (2.8) | | 4.5 (2.8) | 4.5 (2.8) |
| | Lo | | 3.2 (2.0) | 3.2 (2.0) | 3.2 (2.0) | 3.2 (2.0) |
| DIMENSIONS: See the page of dimensions. | | | | | | |
| ENGINE: | | | KOMATSU | KOMATSU | KOMATSU | KOMATSU |
| Model | | | SAA6D114E-3 | SAA6D114E-2 | SAA6D114E-2 | SAA6D114E-3 |
| No. of cylinders- | | mm | 6-114 × 135 | 6-114 × 135 | 6-114 × 135 | 6-114 × 135 |
| bore × stroke | | (in) | (4.49 × 5.31) | (4.49 × 5.31) | (4.49 × 5.31) | (4.49 × 5.31) |
| Piston displacement | | ltr. (cu.in) | 8.27 (505) | 8.27 (505) | 8.27 (505) | 8.27 (505) |
| HYDRAULIC SYSTEM: | | | 2 × Variable | 2 × Variable | 2 × Variable | 2 × Variable |
| Hydraulic pump | | | Piston | Piston | Piston | Piston |
| Max. oil flow | | ltr. (U.S. Gal)/min. | 535 (141) | 535 (141) | 535 (141) | 535 (141) |
| Max. oil pressure (Implement) | | $kg/cm^2$ (PSI) | 380 (5400) | 380 (5400) | 380 (5400) | 380 (5400) |
| Track shoe width/ ground pressure | | mm (in)/ $kg/cm^2$ (PSI) | 600 (24)/ 0.64 (9.12) | 600 (24)/ 0.64 (9.1) | 600 (24)/ 0.65 (9.2) | 700 (28)/ 0.53 (7.48) |
| CAPACITY (Refilled): | | | | | | |
| Fuel tank | | ltr. (U.S.Gal) | 605 (160) | 605 (160) | 605 (160) | 605 (160) |
| Hydraulic oil tank | | | 188 (49.7) | 188 (49.7) | 188 (49.7) | 188 (49.7) |
| MACHINE SPEC: | | | | | | |
| Boom | | mm (ft.in) | 6470 (21'3") | 6470 (21'3") | 6470 (21'3") | 6470 (21'3") |
| Arm | | mm (ft.in) | 3185 (10'5") | 3185 (10'5") | 3185 (10'5") | 3185 (10'5") |
| Bucket (SAE) | | $m^3$ (cu.yd) | 1.4 (1.83) | 1.40 (1.83) | 1.40 (1.83) | 1.4 (1.83) |

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and, indicated implement, shoes and upper attachment.
• EPA Tier 3 and EU Stage 3A model
○ EPA Tier 4 Interim and EU Stage 3B model



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| Item | Model | •PC300LC-8 | •PC300LC-8 (SE spec.) | •PC300LC-8 | PC300LC-7 |
|---|---|---|---|---|---|
| Source | | Indonesia | Indonesia | Thailand | India |
| OPERATING WEIGHT* | kg (lb) | 32580 (71,830) | 34400 (75,840) | 32200 (70,990) | 33300 (73,410) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 194 (260)/1950 | 194 (260)/1950 | 194 (260)/1950 | |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 184 (246)/1950 | 184 (246)/1950 | 184 (246)/1950 | 180 (242)/1900 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | | | |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 0.52 ~ 2.30 (0.68) (3.01) | 0.52 ~ 2.30 (0.68) (3.01) | 0.52 ~ 2.30 (0.68) (3.01) | 1.4 ~ 2.1 (1.83) (2.75) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 9.5 | 9.5 | 9.5 | 9.5 |
| Max travel speed Hi | km/h (MPH) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) |
| Mi | | 4.5 (2.8) | 4.5 (2.8) | 4.5 (2.8) | |
| Lo | | 3.2 (2.0) | 3.2 (2.0) | 3.2 (2.0) | 3.2 (2.0) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D114E-3 | KOMATSU SAA6D114E-3 | KOMATSU SAA6D114E-3 | KOMATSU SAA6D114E-2 |
| No. of cylinders- bore × stroke | mm (in) | 6-114 × 135 (4.49 × 5.31) | 6-114 × 135 (4.49 × 5.31) | 6-114 × 135 (4.49 × 5.31) | 6-114 × 135 (4.49 × 5.31) |
| Piston displacement | ltr. (cu.in) | 8.27 (505) | 8.27 (505) | 8.27 (505) | 8.27 (505) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 535 (141) | 535 (141) | 535 (141) | 535 (141) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 380 (5400) | 380 (5400) | 380 (5400) | 380 (5400) |
| Track shoe width/ ground pressure | mm (in)/ $kg/cm^2$ (PSI) | 800 (31.5)/ 0.47 (6.68) | 800 (31.5)/ 0.50 (7.11) | 700 (28)/ 0.53 (7.48) | 600 (24)/ 0.67 (9.53) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S.Gal) | 605 (160) | 605 (160) | 605 (160) | 605 (160) |
| Hydraulic oil tank | | 188 (49.7) | 188 (49.7) | 188 (49.7) | 188 (49.7) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 6470 (21'3") | 6470 (21'3") | 6470 (21'3") | 6470 (21'3") |
| Arm | mm (ft.in) | 3185 (10'5") | 3185 (10'5") | 3185 (10'5") | 3185 (10'5") |
| Bucket (SAE) | $m^3$ (cu.yd) | 1.4 (1.83) | 1.4 (1.83) | 1.4 (1.83) | 1.4 (1.83) |

| Item | Model | •PC350-8 | PC350-7 | •PC350LC-8 | PC350LC-7 |
|---|---|---|---|---|---|
| Source | | Japan | Japan | Japan | Japan |
| OPERATING WEIGHT* | kg (lb) | 32600 (71,870) | 32300 (71,210) | 33660 (74,210) | 33400 (73,630) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 194 (260)/1950 | | 194 (260)/1950 | |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 184 (246)/1950 | 180 (242)/1900 | 184 (246)/1950 | 180 (242)/1900 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | | | |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 1.40 (1.83) | 1.40 (1.83) | 1.40 (1.83) | 1.40 (1.83) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 9.5 | 9.5 | 9.5 | 9.5 |
| Max travel speed Hi | km/h (MPH) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) |
| Mi | | 4.5 (2.8) | 4.5 (2.8) | 4.5 (2.8) | 4.5 (2.8) |
| Lo | | 3.2 (2.0) | 3.2 (2.0) | 3.2 (2.0) | 3.2 (2.0) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D114E-3 | KOMATSU SAA6D114E-2 | KOMATSU SAA6D114E-3 | KOMATSU SAA6D114E-2 |
| No. of cylinders- bore × stroke | mm (in) | 6-114 x135 (4.49 × 5.31) | 6-114 × 135 (4.49 × 5.31) | 6-114 x135 (4.49 × 5.31) | 6-114 × 135 (4.49 × 5.31) |
| Piston displacement | ltr. (cu.in) | 8.27 (505) | 8.27 (505) | 8.27 (505) | 8.27 (505) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 535 (141) | 535 (141) | 535 (141) | 535 (141) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 380 (5400) | 380 (5400) | 380 (5400) | 380 (5400) |
| Track shoe width/ ground pressure | mm (in)/ $kg/cm^2$ (PSI) | 600 (24)/ 0.67 (9.52) | 600 (24)/ 0.67 (9.5) | 600 (24)/ 0.64 (9.12) | 600 (24)/ 0.67 (9.52) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S.Gal) | 605 (160) | 605 (160) | 605 (160) | 605 (160) |
| Hydraulic oil tank | | 188 (49.7) | 188 (49.7) | 188 (49.7) | 188 (49.7) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 6470 (21'3") | 6470 (21'3") | 6470 (21'3") | 6470 (21'3") |
| Arm | mm (ft.in) | 3185 (10'5") | 3185 (10'3") | 3185 (10'5") | 3185 (10'3") |
| Bucket (SAE) | $m^3$ (cu.yd) | 1.4 (1.83) | 1.40 (1.83) | 1.4 (1.83) | 1.40 (1.83) |

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and, indicated implement, shoes and upper attachment.

• EPA Tier 3 and EU Stage 3A model



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| Item | Model | •PC350LC-8 | ○PC360LC-10 | ○PC360LC-10 | ○PC360NLC-10 |
|---|---|---|---|---|---|
| Source | | Brazil | USA | UK | UK |
| OPERATING WEIGHT* | kg (lb) | 35000 (77,160) | 35876 (79,090) | 35980 (79,320) | 35490 (78,240) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 194 (260)/1950 | 202 (271)/1950 | 202 (271)/1950 | 202 (271)/1950 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 184 (246)/1950 | 192 (257)/1950 | 192 (257)/1950 | 192 (257)/1950 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | | | |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 0.68 ~ 2.50 (0.89) (3.27) | 0.68 ~ 1.96 (0.89) (2.56) | 0.85 ~ 2.32 (1.11) (3.03) | 0.85 ~ 2.32 (1.11) (3.03) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 9.5 | 9.5 | 9.5 | 9.5 |
| Max travel speed Hi | km/h (MPH) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) |
| Mi | | 4.5 (2.8) | 4.5 (2.8) | 4.5 (2.8) | 4.5 (2.8) |
| Lo | | 3.2 (2.0) | 3.2 (2.0) | 3.2 (2.0) | 3.2 (2.0) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D114E-3 | KOMATSU SAA6D114E-5 | KOMATSU SAA6D114E-5 | KOMATSU SAA6D114E-5 |
| No. of cylinders- bore × stroke | mm (in) | 6-114 × 135 (4.49 × 5.31) | 6-114 × 144.5 (4.49 × 5.69) | 6-114 × 144.5 (4.49 × 5.69) | 6-114 × 144.5 (4.49 × 5.69) |
| Piston displacement | ltr. (cu.in) | 8.27 (505) | 8.85 (540) | 8.85 (540) | 8.85 (540) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 535 (141) | 535 (141) | 535 (141) | 535 (141) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 380 (5400) | 380 (5400) | 380 (5400) | 380 (5400) |
| Track shoe width/ ground pressure | mm (in)/ $kg/cm^2$ (PSI) | 600 (24)/ 0.67 (9.53) | 800 (31.5)/ 0.52 (7.39) | 700 (28)/ 0.59 (8.39) | 600 (24)/ 0.68 (9.67) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S.Gal) | 605 (160) | 605 (160) | 605 (160) | 605 (160) |
| Hydraulic oil tank | | 188 (49.7) | 188 (49.7) | 188 (49.7) | 188 (49.7) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 6500 (21'4") | 6500 (21'4") | 6500 (21'4") | 6500 (21'4") |
| Arm | mm (ft.in) | 2550 (8'4") | 3185 (10'5") | 3185 (10'5") | 3185 (10'5") |
| Bucket (SAE) | $m^3$ (cu.yd) | 2.23 (2.92) | 1.96 (2.56) | 2.66 (3.48) | 2.66 (3.48) |

| Item | Model | PC360-7 | ○PC390LC-10 | •PC400-8 | •PC400-8 |
|---|---|---|---|---|---|
| Source | | China | USA | Japan | China |
| OPERATING WEIGHT* | kg (lb) | 33000 (72,750) | 39965 (88,110) | 41740 (92,020) | 42100 (92,810) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | | 202 (271)/1950 | 270 (362)/1900 | |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 180 (242)/1900 | 192 (257)/1950 | 257 (345)/1900 | 257 (345)/1900 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | | | |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 1.60 (2.09) | 0.68 ~ 2.22 (0.89) (2.91) | 1.3 ~ 2.2 (1.70) (2.88) | 1.9 (2.49) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 9.5 | 9.5 | 9.1 | 9.1 |
| Max travel speed Hi | km/h (MPH) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) |
| Mi | | 4.5 (2.8) | 4.4 (2.7) | 4.0 (2.5) | 4.0 (2.5) |
| Lo | | 3.2 (2.0) | 3.0 (1.9) | 3.0 (1.9) | 3.0 (1.9) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D114E-2 | KOMATSU SAA6D114E-5 | KOMATSU SAA6D125E-5 | KOMATSU SAA6D125E-5 |
| No. of cylinders- bore × stroke | mm (in) | 6-114 × 135 (4.49 × 5.31) | 6-114 × 144.5 (4.49 × 5.69) | 6-125 × 150 (4.92 × 5.91) | 6-125 × 150 (4.92 × 5.91) |
| Piston displacement | ltr. (cu.in) | 8.27 (505) | 8.85 (540) | 11.04 (674) | 11.04 (674) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 535 (141) | 535 (141) | 690 (182) | 690 (182) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 380 (5400) | 380 (5400) | 380 (5400) | 380 (5400) |
| Track shoe width/ ground pressure | mm (in)/ $kg/cm^2$ (PSI) | 600 (24)/ 0.69 (9.8) | 800 (31.5)/ 0.52 (7.39) | 600 (24)/ 0.79 (11.2) | 600 (24)/ 0.80 (11.4) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S.Gal) | 605 (160) | 605 (160) | 650 (172) | 650 (172) |
| Hydraulic oil tank | | 188 (49.7) | 188 (49.7) | 248 (65.5) | 248 (65.5) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 6470 (21'3") | 6500 (21'4") | 7060 (23'2") | 7060 (23'2") |
| Arm | mm (ft.in) | 3185 (10'3") | 3185 (10'5") | 3380 (11'1") | 3380 (11'1") |
| Bucket (SAE) | $m^3$ (cu.yd) | 1.60 (2.09) | 1.96 (2.56) | 1.9 (2.49) | 1.9 (2.49) |

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and, indicated implement, shoes and upper attachment.
• EPA Tier 3 and EU Stage 3A model
○ EPA Tier 4 Interim and EU Stage 3B model



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| Item \ Model | | PC400-8R | PC400-8R (SE spec.) | PC400-7 | •PC400LC-8 |
|---|---|---|---|---|---|
| Source | | Japan | Indonesia | Japan, Russia | Japan |
| OPERATING WEIGHT* | kg (lb) | 41740 (92,020) | 43480 (95,860) | 41400 (91,270) | 42740 (94,220) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 270 (362)/1900 | 270 (362)/1900 | | 270 (362)/1900 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 257 (345)/1900 | 257 (345)/1900 | 246 (330)/1850 | 257 (345)/1900 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | | | |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 1.3 ~ 2.2 (1.70) (2.88) | 1.3 ~ 3.0 (1.70) (3.90) | 1.3 ~ 2.2 (1.7) (2.9) | 1.3 ~ 2.2 (1.70) (2.88) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 9.1 | 9.1 | 9.0 | 9.1 |
| Max travel speed Hi | km/h (MPH) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) |
| Mi | | 4.0 (2.5) | 4.0 (2.5) | | 4.0 (2.5) |
| Lo | | 3.0 (1.9) | 3.0 (1.9) | 3.0 (1.9) | 3.0 (1.9) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D125E-5 | KOMATSU SAA6D125E-5 | KOMATSU SAA6D125E-3 | KOMATSU SAA6D125E-5 |
| No. of cylinders- bore × stroke | mm (in) | 6-125 × 150 (4.92 × 5.91) | 6-125 × 150 (4.92 × 5.91) | 6-125 × 150 (4.92 × 5.90) | 6-125 × 150 (4.92 × 5.91) |
| Piston displacement | ltr. (cu.in) | 11.04 (674) | 11.04 (674) | 11.04 (674) | 11.04 (674) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 690 (182) | 690 (182) | 690 (182) | 690 (182) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 380 (5400) | 380 (5400) | 380 (5400) | 380 (5400) |
| Track shoe width/ ground pressure | mm (in)/ $kg/cm^2$ (PSI) | 600 (24)/ 0.79 (11.2) | 800 (31.5)/ 0.62 (8.81) | 600 (24)/ 0.79 (11.2) | 700 (28)/ 0.65 (9.24) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S.Gal) | 650 (172) | 650 (172) | 650 (172) | 650 (172) |
| Hydraulic oil tank | | 248 (65.5) | 248 (65.5) | 248 (65.5) | 248 (65.5) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 7060 (23'2") | 7060 (23'2") | 7060 (23'2") | 7060 (23'2") |
| Arm | mm (ft.in) | 3380 (11'1") | 2400 (7'10") | 3380 (11'1") | 3380 (11'1") |
| Bucket (SAE) | $m^3$ (cu.yd) | 1.9 (2.49) | 3.0 (3.90) | 1.90 (2.49) | 1.9 (2.49) |

| Item \ Model | | PC400LC-8R | PC400LC-8R (SE spec.) | PC400LC-7 | •PC450-8 |
|---|---|---|---|---|---|
| Source | | Japan | Indonesia | Japan, Russia | Japan |
| OPERATING WEIGHT* | kg (lb) | 42740 (94,220) | 44090 (97,200) | 42850 (94,470) | 43320 (95,500) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 270 (362)/1900 | 270 (362)/1900 | | 270 (362)/1900 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 257 (345)/1900 | 257 (345)/1900 | 246 (330)/1850 | 257 (345)/1900 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | | | |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 1.3 ~ 2.2 (1.70) (2.88) | 1.3 ~ 3.0 (1.70) (3.90) | 1.3 ~ 2.2 (1.7) (2.9) | 1.90 ~ 2.10 (2.49) (2.75) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 9.1 | 9.1 | 9.0 | 9.1 |
| Max travel speed Hi | km/h (MPH) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) |
| Mi | | 4.0 (2.5) | 4.0 (2.5) | | 4.0 (2.5) |
| Lo | | 3.0 (1.9) | 3.0 (1.9) | 3.0 (1.9) | 3.0 (1.9) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D125E-5 | KOMATSU SAA6D125E-5 | KOMATSU SAA6D125E-3 | KOMATSU SAA6D125E-5 |
| No. of cylinders- bore × stroke | mm (in) | 6-125 × 150 (4.92 × 5.91) | 6-125 × 150 (4.92 × 5.91) | 6-125 × 150 (4.92 × 5.90) | 6-125 × 150 (4.92 × 5.91) |
| Piston displacement | ltr. (cu.in) | 11.04 (674) | 11.04 (674) | 11.04 (674) | 11.04 (674) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston | 1 × Variable Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 690 (182) | 690 (182) | 690 (182) | 690 (182) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 380 (5400) | 380 (5400) | 380 (5400) | 380 (5400) |
| Track shoe width/ ground pressure | mm (in)/ $kg/cm^2$ (PSI) | 700 (28)/ 0.65 (9.24) | 800 (31.5)/ 0.58 (8.3) | 700 (28)/ 0.66 (9.4) | 600 (24)/ 0.82 (11.7) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S.Gal) | 650 (172) | 650 (172) | 650 (172) | 650 (172) |
| Hydraulic oil tank | | 248 (65.5) | 248 (65.5) | 248 (65.5) | 248 (65.5) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 7060 (23'2") | 7060 (23'2") | 7060 (23'2") | 7060 (23'2") |
| Arm | mm (ft.in) | 3380 (11'1") | 2400 (7'10") | 3380 (11'1") | 3380 (11'1") |
| Bucket (SAE) | $m^3$ (cu.yd) | 1.9 (2.49) | 3.0 (3.90) | 1.90 (2.49) | 1.9 (2.49) |

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and, indicated implement, shoes and upper attachment.

• EPA Tier 3 and EU Stage 3A model



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| Item | Model | PC450-8R | •PC450-8 | PC450-7 | •PC450LC-8 |
|---|---|---|---|---|---|
| Source | | Japan | China | Japan | Japan |
| OPERATING WEIGHT* | kg (lb) | 43320 (95,500) | 45125 (99,480) | 43000 (94,800) | 44320 (97,710) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 270 (362)/1900 | | | 270 (362)/1900 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 257 (345)/1900 | 257 (345)/1900 | 246 (330)/1850 | 257 (345)/1900 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | | | |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 1.90 ~ 2.10 (2.49) (2.75) | 2.1 (2.75) | 1.90 ~ 2.10 (2.49) (2.75) | 1.90 ~ 2.10 (2.49) (2.75) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 9.1 | 9.1 | 9.0 | 9.1 |
| Max travel speed Hi | km/h (MPH) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) |
| Mi | | 4.0 (2.5) | 4.0 (2.5) | 4.4 (2.7) | 4.0 (2.5) |
| Lo | | 3.0 (1.9) | 3.0 (1.9) | 3.0 (1.9) | 3.0 (1.9) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D125E-5 | KOMATSU SAA6D125E-5 | KOMATSU SAA6D125E-3 | KOMATSU SAA6D125E-5 |
| No. of cylinders- bore × stroke | mm (in) | 6-125 × 150 (4.92 × 5.91) | 6-125 × 150 (4.92 × 5.91) | 6-125 × 150 (4.92 × 5.90) | 6-125 × 150 (4.92 × 5.91) |
| Piston displacement | ltr. (cu.in) | 11.04 (674) | 11.04 (674) | 11.04 (673) | 11.04 (674) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | 1 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 690 (182) | 690 (182) | 690 (182) | 690 (182) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 380 (5400) | 380 (5400) | 380 (5400) | 380 (5400) |
| Track shoe width/ ground pressure | mm (in)/ $kg/cm^2$ (PSI) | 600 (24)/ 0.82 (11.7) | 600 (24)/ 0.85 (12.1) | 600 (24)/ 0.83 (11.8) | 600 (24)/ 0.78 (11.1) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S.Gal) | 650 (172) | 650 (172) | 650 (172) | 650 (172) |
| Hydraulic oil tank | | 248 (65.5) | 248 (65.5) | 248 (65.5) | 248 (65.5) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 7060 (23'2") | 7060 (23'2") | 7060 (23'2") | 7060 (23'2") |
| Arm | mm (ft.in) | 3380 (11'1") | 3380 (11'1") | 3380 (11'1") | 3380 (11'1") |
| Bucket (SAE) | $m^3$ (cu.yd) | 1.9 (2.49) | 2.1 (2.75) | 1.90 (2.49) | 1.9 (2.49) |

| Item | Model | PC450LC-8R | ○PC490-10 | ○PC490LC-10 | ○PC490LC-10 |
|---|---|---|---|---|---|
| Source | | Japan | UK | USA | UK |
| OPERATING WEIGHT* | kg (lb) | 44320 (97,710) | 46630 (102,800) | 47490 (104,700) | 47410 (104,520) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 270 (362)/1900 | | 270 (362)/1900 | |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 257 (345)/1900 | 268 (359)/1900 | 268 (359)/1900 | 268 (359)/1900 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | | | |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 1.90 ~ 2.10 (2.49) (2.75) | 1.34 ~ 2.76 (1.75) (3.61) | 1.12 ~ 3.17 (1.47) (4.15) | 1.34 ~ 2.76 (1.75) (3.61) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 9.1 | 9.4 | 9.1 | 9.4 |
| Max travel speed Hi | km/h (MPH) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) | 5.5 (3.4) |
| Mi | | 4.0 (2.5) | 4.2 (2.6) | 4.2 (2.6) | 4.2 (2.6) |
| Lo | | 3.0 (1.9) | 3.0 (1.9) | 3.0 (1.9) | 3.0 (1.9) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D125E-5 | KOMATSU SAA6D125E-6-A | KOMATSU SAA6D125E-6-A | KOMATSU SAA6D125E-6-A |
| No. of cylinders- bore × stroke | mm (in) | 6-125 × 150 (4.92 × 5.91) | 6-125 × 150 (4.92 × 5.91) | 6-125 × 150 (4.92 × 5.91) | 6-125 × 150 (4.92 × 5.91) |
| Piston displacement | ltr. (cu.in) | 11.04 (674) | 11.04 (674) | 11.04 (674) | 11.04 (674) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 690 (182) | 690 (182) | 695 (184) | 690 (182) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 380 (5400) | 380 (5400) | 380 (5400) | 380 (5400) |
| Track shoe width/ ground pressure | mm (in)/ $kg/cm^2$ (PSI) | 600 (24)/ 0.78 (11.1) | 600 (24)/ 0.89 (12.7) | 700 (28)/ 0.72 (10.2) | 700 (28)/ 0.72 (10.2) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S.Gal) | 650 (172) | 650 (172) | 650 (172) | 650 (172) |
| Hydraulic oil tank | | 248 (65.5) | 248 (65.5) | 248 (65.5) | 248 (65.5) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 7060 (23'2") | 7060 (23'2") | 7060 (23'2") | 7060 (23'2") |
| Arm | mm (ft.in) | 3380 (11'1") | 3380 (11'1") | 3380 (11'1") | 3380 (11'1") |
| Bucket (SAE) | $m^3$ (cu.yd) | 1.9 (2.49) | 2.2 (2.88) | 2.25 (2.94) | 2.2 (2.88) |

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and, indicated implement, shoes and upper attachment.

• EPA Tier 3 and EU Stage 3A model

○ EPA Tier 4 Interim and EU Stage 3B model



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| Item | Model | •PC550LC-8 | •PC600-8E0 | PC600-8R1 | •PC600-8 |
|---|---|---|---|---|---|
| Source | | Japan | Japan | Japan | UK |
| OPERATING WEIGHT* | kg (lb) | 51130 (112,720) | 59200 (130,510) | 59200 (130,510) | 57640 (127,070) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 270 (362)/1900 | 323 (433)/1800 | 323 (433)/1800 | 323 (433)/1800 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 263 (353)/1900 | 320 (429)/1800 | 320 (429)/1800 | 320 (429)/1800 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | 288 (386)/1800 | 288 (386)/1800 | 288 (386)/1800 |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 3.05 (3.99) | 2.0 ~ 3.5 (2.62) (4.58) | 2.0 ~ 3.5 (2.62) (4.58) | 2.4 ~ 3.5 (3.14) (4.58) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 9.1 | 8.3 | 8.3 | 8.3 |
| Max travel speed Hi | km/h (MPH) | 4.0 (2.5) | 4.9 (3.0) | 4.9 (3.0) | 4.9 (3.0) |
| Mi | | 3.0 (1.9) | | | |
| Lo | | 2.6 (1.6) | 3.0 (1.9) | 3.0 (3.9) | 3.0 (1.9) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D125E-5-A | KOMATSU SAA6D140E-5 | KOMATSU SAA6D140E-5 | KOMATSU SAA6D140E-5 |
| No. of cylinders- | mm | 6-125 × 150 | 6-140 × 165 | 6-140 × 165 | 6-140 × 165 |
| bore × stroke | (in) | (4.92 × 5.91) | (5.51 × 6.50) | (5.51 × 6.50) | (5.51 × 6.50) |
| Piston displacement | ltr. (cu.in) | 11.04 (674) | 15.24 (930) | 15.24 (930) | 15.24 (930) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | 2 × Variable Piston | 2 × Variable Piston | 2 x Variable Piston | 2 × Variable Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 690 (182) | 820 (217) | 820 (217) | 820 (217) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 380 (5400) | 325 (4620) | 325 (4620) | 325 (4620) |
| Track shoe width/ ground pressure | mm (in)/ $kg/cm^2$ (PSI) | 600 (24)/ 0.93 (13.2) | 600 (24)/ 1.07 (15.2) | 600 (24)/ 1.07 (15.2) | 600 (24)/ 1.03 (14.6) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S.Gal) | 650 (172) | 880 (232) | 880 (232) | 880 (232) |
| Hydraulic oil tank | | 248 (65.5) | 360 (95.0) | 360 (95.0) | 360 (95) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 6670 (21'11") | 7660 (25'2") | 7660 (25'2") | 6600 (21'8") |
| Arm | mm (ft.in) | 2400 (7'10") | 3500 (11'6") | 3500 (11'6") | 2900 ( (9'6") |
| Bucket (SAE) | $m^3$ (cu.yd) | 3.05 (3.99) | 2.7 (3.53) | 2.7 (3.53) | 3.5 (4.58) |

| Item | Model | PC600-7 | •PC600LC-8E0 | PC600LC-8R1 | •PC600LC-8 |
|---|---|---|---|---|---|
| Source | | Japan (for Russia) | Japan | Japan | UK |
| OPERATING WEIGHT* | kg (lb) | 56600 (124,780) | 60200 (132,720) | 60200 (132,720) | 58640 (129,280) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | | 323 (433)/1800 | 323 (433)/1800 | 323 (433)/1800 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 287 (385)/180 | 320 (429)/1800 | 320 (429)/1800 | 320 (429)/1800 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | 288 (386)/1800 | 288 (386)/1800 | 288 (386)/1800 |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 2.0 ~ 3.5 (2.62) (4.58) | 2.0 ~ 3.5 (2.62) (4.58) | 2.0 ~ 3.5 (2.62) (4.58) | 2.4 ~ 3.5 (3.14) (4.58) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 8.3 | 8.3 | 8.3 | 8.3 |
| Max travel speed Hi | km/h (MPH) | 4.9 (3.0) | 4.9 (3.0) | 4.9 (3.0) | 4.9 (3.0) |
| Mi | | | | | |
| Lo | | 3.0 (1.9) | 3.0 (1.9) | 3.0 (1.9) | 3.0 (1.9) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SA6D140E-3 | KOMATSU SAA6D140E-5 | KOMATSU SAA6D140E-5 | KOMATSU SAA6D140E-5 |
| No. of cylinders- | mm | 6-140 × 165 | 6-140 × 165 | 6-140 × 165 | 6-140 × 165 |
| bore × stroke | (in) | (5.51 × 6.50) | (5.51 × 6.50) | (5.51 × 6.50) | (5.51 × 6.50) |
| Piston displacement | ltr. (cu.in) | 15.24 (930) | 15.24 (930) | 15.24 (930) | 15.24 (930) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 820 (217) | 820 (217) | 820 (217) | 820 (217) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 325 (4620) | 325 (4620) | 325 (4620) | 325 (4620) |
| Track shoe width/ ground pressure | mm (in)/ $kg/cm^2$ (PSI) | 600 (24)/ 1.02 (14.5) | 600 (24)/ 1.01 (14.4) | 600 (24)/ 1.01 (14.4) | 600 (24)/ 0.98 (13.9) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S.Gal) | 880 (232) | 880 (232) | 880 (232) | 880 (232) |
| Hydraulic oil tank | | 360 (95) | 360 (95.0) | 360 (95.0) | 360 (95) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 7660 (25'2") | 7660 (25'2") | 7660 (25' 2") | 6600 (21'8") |
| Arm | mm (ft.in) | 3500 (11'6") | 3500 (11'6") | 3500 (11' 6") | 2900 ( (9'6") |
| Bucket (SAE) | $m^3$ (cu.yd) | 2.7 (3.53) | 2.7 (3.53) | 2.7 (3.53) | 3.5 (4.58) |

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and, indicated implement, shoes and upper attachment.

• EPA Tier 3 and EU Stage 3A model

◦ EPA Tier 4 Interim and EU Stage 3B model



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| Item | Model | PC600LC-7 | •PC650LC-8E0 | PC650LC-8R | •PC700LC-8E0 |
|---|---|---|---|---|---|
| Source | | Japan (for Russia) | Japan (for USA) | China | UK |
| OPERATING WEIGHT* | kg (lb) | 57600 (126,990) | 65050 (143,410) | 59100 (130,290) | 65640 (144,710) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 287 (385)/1800 | 323 (433)/1800 | 323 (433)/1800 | 323 (433)/1800 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | | 320 (429)/1800 | 320 (429)/1800 | 320 (429)/1800 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | 288 (386)/1800 | | 288 (386)/1800 |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 2.0 ~ 3.5 (2.62) (4.58) | 1.57 ~ 3.81 (2.05) (4.98) | 3.1 (4.05) | 2.4 ~ 3.5 (3.14) (4.58) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 8.3 | 8.3 | 8.3 | 8.3 |
| Max travel speed Hi | km/h (MPH) | 4.9 (3.0) | 4.9 (3.0) | 4.9 (3.0) | 4.6 (2.9) |
| Mi | | | | | |
| Lo | | 3.0 (1.9) | 3.0 (1.9) | 3.0 (1.9) | 2.8 (1.7) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SA6D140E-3 | KOMATSU SAA6D140E-5 | KOMATSU SAA6D140E-5 | KOMATSU SAA6D140E-5 |
| No. of cylinders- | mm | 6-140 × 165 | 6-140 × 165 | 6-140 × 165 | 6-140 × 165 |
| bore × stroke | (in) | (5.51 × 6.50) | (5.51 × 6.50) | (5.51 × 6.50) | (5.51 × 6.50) |
| Piston displacement | ltr. (cu.in) | 15.24 (930) | 15.24 (930) | 15.24 (930) | 15.24 (930) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 820 (217) | 820 (217) | 820 (217) | 820 (217) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 325 (4620) | 325 (4620) | 325 (4620) | 325 (4620) |
| Track shoe width/ ground pressure | mm (in)/ $kg/cm^2$ (PSI) | 600 (24)/ 0.97 (13.8) | 900 (35.4)/ 0.73 (10.3) | 600 (245)/ 0.99 (14.1) | 610 (24)/ 1.08 (15.4) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S.Gal) | 880 (232) | 880 (232) | 880 (232) | 880 (232) |
| Hydraulic oil tank | | 360 (95) | 360 (95.0) | 360 (95.0) | 360 (95.0) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 7660 (25'2") | 7660 (25'2") | 7300 (23'11") | 6600 (21'8") |
| Arm | mm (ft.in) | 3500 (11'6") | 3500 (11'6") | 3500 (11' 6") | 2900 (9' 6") |
| Bucket (SAE) | $m^3$ (cu.yd) | 2.7 (3.53) | 2.7 (3.53) | 3.1 (4.05) | 2.7 (3.53) |

| Item | Model | •PC700LC-8E0 | PC700LC-8R | •PC700LC-8E0 | PC750-7 |
|---|---|---|---|---|---|
| Source | | Japan | Japan | China | Japan (for Russia) |
| OPERATING WEIGHT* | kg (lb) | 65700 (144,840) | 65700 (144,840) | 67300 (148,370) | 72370 (159,550) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 323 (433)/1800 | 323 (433)/1800 | 323 (433)/1800 | |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 320 (429)/1800 | 320 (429)/1800 | 320 (429)/1800 | 338 (454)/1800 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | 288 (386)/1800 | 288 (386)/1800 | | |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 2.0 ~ 4.0 (2.62) (5.23) | 2.0 ~ 4.0 (2.62) (5.23) | 4.0 (5.23) | 2.8 ~ 3.4 (3.66) (4.45) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 8.3 | 8.3 | 8.3 | 6.8 |
| Max travel speed Hi | km/h (MPH) | 4.6 (2.9) | 4.6 (29) | 4.6 (29) | 4.2 (2.6) |
| Mi | | | | | |
| Lo | | 2.8 (1.7) | 2.8 (1.7) | 2.8 (1.7) | 2.8 (1.7) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE (Electric Motor): | | | | | |
| Model | | KOMATSU SAA6D140E-5 | KOMATSU SAA6D140E-5 | KOMATSU SAA6D140E-5 | KOMATSU SAA6D140E-3 |
| No. of cylinders- | mm | 6-140 × 165 | 6-140 × 165 | 6-140 × 165 | 6-140 × 165 |
| bore × stroke | (in) | (5.51 × 6.50) | (5.51 × 6.50) | (5.51 × 6.50) | (5.51 × 6.50) |
| Piston displacement | ltr. (cu.in) | 15.24 (930) | 15.24 (930) | 15.24 (930) | 15.24 (930) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 820 (217) | 820 (217) | 820 (217) | 988 (261) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 325 (4620) | 325 (4620) | 325 (4620) | 325 (4550) |
| Track shoe width/ ground pressure | mm (in)/ $kg/cm^2$ (PSI) | 610 (24)/ 1.09 (15.5) | 610 (24)/ 1.09 (15.5) | 610 (24)/ 1.11 (15.8) | 610 (24)/ 1.20 (17.1) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S.Gal) | 880 (232) | 880 (232) | 880 (232) | 880 (232) |
| Hydraulic oil tank | | 360 (95.0) | 360 (95.0) | 360 (95.0) | 440 (116) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 7660 (25'2") | 7660 (25'2") | 6600 (21'9") | 8200 (26'11") |
| Arm | mm (ft.in) | 3500 (11'6") | 3500 (11'6") | 3500 (11'6") | 3600 (11'0") |
| Bucket (SAE) | $m^3$ (cu.yd) | 2.7 (3.53) | 2.7 (3.53) | 2.7 (3.53) | 3.10 (4.05) |

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and, indicated implement, shoes and upper attachment.

• EPA Tier 3 and EU Stage 3A model



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| Item | Model | PC750-7 (SE spec.) | •PC800-8E0 | PC800-8R1 | •PC800-8E0 |
|---|---|---|---|---|---|
| Source | | Japan (for Russia) | Japan | Japan | UK |
| OPERATING WEIGHT* | kg (lb) | 73170 (161,310) | 74500 (164,240) | 74500 (164,240) | 79700 (175,710) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | | 370 (496)/1800 | 370 (496)/1800 | 370 (496)/1800 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 338 (454)/1800 | 363 (487)/1800 | 363 (487)/1800 | 363 (487)/1800 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | 338 (454)/1800 | 338 (454)/1800 | 338 (454)/1800 |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 4.0 ~ 4.5 (5.23) (5.89) | 2.8 ~ 3.4 (3.66) (4.45) | 2.8 ~ 3.4 (3.66) (4.45) | 3.6 ~ 6.0 (4.71) (7.85) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 6.8 | 6.8 | 6.8 | 6.8 |
| Max travel speed Hi | km/h (MPH) | 4.2 (2.6) | 4.2 (2.6) | 4.2 (2.6) | 4.2 (2.6) |
| Mi | | | | | |
| Lo | | 2.8 (1.7) | 2.8 (1.7) | 2.8 (1.7) | 2.8 (1.7) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE (Electric Motor): | | | | | |
| Model | | KOMATSU SAA6D140E-3 | KOMATSU SAA6D140E-5 | KOMATSU SAA6D140E-5 | KOMATSU SAA6D140E-5 |
| No. of cylinders- bore × stroke | mm (in) | 6-140 × 165 (5.51 × 6.50) | 6-140 × 165 (5.51 × 6.50) | 6-140 × 165 (5.51 × 6.50) | 6-140 × 165 (5.51 × 6.50) |
| Piston displacement | ltr. (cu.in) | 15.24 (930) | 15.24 (930) | 15.24 (930) | 15.24 (930) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 988 (261) | 988 (261) | 988 (261) | 988 (261) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 320 (4550) | 320 (4550) | 320 (4550) | 320 (4550) |
| Track shoe width/ ground pressure | mm (in)/ $kg/cm^2$ (PSI) | 610 (24)/ 1.22 (17.3) | 610 (24)/ 1.24 (17.6) | 610 (24)/ 1.24 (17.6) | 610 (24)/ 1.31 (18.6) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S.Gal) | 880 (232) | 980 (259) | 980 (259) | 980 (259) |
| Hydraulic oil tank | | 440 (116) | 470 (124) | 470 (124) | 470 (124) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 7100 (23'4") | 8200 (26'11") | 8200 (26'11") | 8000 (26'3") |
| Arm | mm (ft.in) | 2945 (9'8") | 3600 (11'10") | 3600 (11'10") | 3400 (11'2") |
| Bucket (SAE) | $m^3$ (cu.yd) | 4.0 (5.23) | 3.1 (4.05) | 3.1 (4.05) | 3.4 (4.45) |

| Item | Model | •PC800LC-8E0 | •PC800LC-8E0 | PC800LC-8R1 | •PC800LC-8E0 |
|---|---|---|---|---|---|
| Source | | Japan (for USA) | Japan | Japan | UK |
| OPERATING WEIGHT* | kg (lb) | 84180 (185,580) | 77500 (170,860) | 77500 (170,860) | 81900 (180,560) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 370 (496)/1800 | 370 (496)/1800 | 370 (496)/1800 | 370 (496)/1800 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 363 (487)/1800 | 363 (487)/1800 | 363 (487)/1800 | 363 (487)/1800 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | 338 (454)/1800 | 338 (454)/1800 | 338 (454)/1800 | 338 (454)/1800 |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 1.7 ~ 4.53 (2.23) (5.93) | 2.8 ~ 3.4 (3.66) (4.45) | 2.8 ~ 3.4 (3.66) (4.45) | 3.6 ~ 6.0 (4.71) (7.85) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 6.8 | 6.8 | 6.8 | 6.8 |
| Max travel speed Hi | km/h (MPH) | 4.2 (2.6) | 4.2 (2.6) | 4.2 (2.6) | 4.2 (2.6) |
| Mi | | | | | |
| Lo | | 2.8 (1.7) | 2.8 (1.7) | 2.8 (1.7) | 2.8 (1.7) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE (Electric Motor): | | | | | |
| Model | | KOMATSU SAA6D140E-5 | KOMATSU SAA6D140E-5 | KOMATSU SAA6D140E-5 | KOMATSU SAA6D140E-5 |
| No. of cylinders- bore × stroke | mm (in) | 6-140 × 165 (5.51 × 6.50) | 6-140 × 165 (5.51 × 6.50) | 6-140 × 165 (5.51 × 6.50) | 6-140 × 165 (5.51 × 6.50) |
| Piston displacement | ltr. (cu.in) | 15.24 (930) | 15.24 (930) | 15.24 (930) | 15.24 (930) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 988 (261) | 988 (261) | 988 (261) | 988 (261) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 320 (4550) | 320 (4550) | 320 (4550) | 320 (4550) |
| Track shoe width/ ground pressure | mm (in)/ $kg/cm^2$ (PSI) | 810 (32)/ 0.95 (13.5) | 810 (32)/ 0.88 (12.5) | 810 (32)/ 0.88 (12.5) | 710 (28)/ 1.05 (14.9) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S.Gal) | 980 (259) | 980 (259) | 980 (259) | 980 (259) |
| Hydraulic oil tank | | 470 (124) | 470 (124) | 470 (124) | 470 (124) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 8200 (26'11") | 8200 (26'11") | 8200 (26'11") | 8000 (26'3") |
| Arm | mm (ft.in) | 3600 (11'10") | 3600 (11'10") | 3600 (11'10") | 3400 (11'2") |
| Bucket (SAE) | $m^3$ (cu.yd) | 3.1 (4.05) | 3.1 (4.05) | 3.1 (4.05) | 3.4 (4.45) |

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and, indicated implement, shoes and upper attachment.

• EPA Tier 3 and EU Stage 3A model



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| Item | Model | •PC800-8E0 (SE spec.) | PC800-8R1 (SE spec.) | •PC800LC-8E0 (SE spec.) | PC800LC-8R1 (SE spec.) |
|---|---|---|---|---|---|
| Source | | Japan | Japan | Japan | Japan |
| OPERATING WEIGHT* | kg (lb) | 75500 (166,450) | 75500 (166,450) | 76500 (168,650) | 76500 (168,650) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 370 (496)/1800 | 370 (496)/1800 | 370 (496)/1800 | 370 (496)/1800 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 363 (487)/1800 | 363 (487)/1800 | 363 (487)/1800 | 363 (487)/1800 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | 338 (454)/1800 | 338 (454)/1800 | 338 (454)/1800 | 338 (454)/1800 |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 4.0 ~ 4.5 (5.23) (5.89) | 4.0 ~ 4.5 (5.23) (5.89) | 4.0 ~ 4.5 (5.23) (5.89) | 4.0 ~ 4.5 (5.23) (5.89) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 6.8 | 6.8 | 6.8 | 6.8 |
| Max travel speed Hi | km/h (MPH) | 4.2 (2.6) | 4.2 (2.6) | 4.2 (2.6) | 4.2 (2.6) |
| Mi | | | | | |
| Lo | | 2.8 (1.7) | 2.8 (1.7) | 2.8 (1.7) | 2.8 (1.7) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE (Electric Motor): | | | | | |
| Model | | KOMATSU SAA6D140E-5 | KOMATSU SAA6D140E-5 | KOMATSU SAA6D140E-5 | KOMATSU SAA6D140E-5 |
| No. of cylinders- bore × stroke | mm (in) | 6-140 × 165 (5.51 × 6.50) | 6-140 × 165 (5.51 × 6.50) | 6-140 × 165 (5.51 × 6.50) | 6-140 × 165 (5.51 × 6.50) |
| Piston displacement | ltr. (cu.in) | 15.24 (930) | 15.24 (930) | 15.24 (930) | 15.24 (930) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 988 (261) | 988 (261) | 988 (261) | 988 (261) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 320 (4550) | 320 (4550) | 320 (4550) | 320 (4550) |
| Track shoe width/ ground pressure | mm (in)/ $kg/cm^2$ (PSI) | 610 (24)/ 1.25 (17.8) | 610 (24)/ 1.25 (17.8) | 810 (32)/ 0.87 (12.4) | 810 (32)/ 0.87 (12.4) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S.Gal) | 980 (259) | 980 (259) | 980 (259) | 980 (259) |
| Hydraulic oil tank | | 470 (124) | 470 (124) | 470 (124) | 470 (124) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 7100 (23'4") | 7100 (23'4") | 7100 (23'4") | 7100 (23'4") |
| Arm | mm (ft.in) | 2945 (9'8") | 2945 (9'8") | 2945 (9'8") | 2945 (9'8") |
| Bucket (SAE) | $m^3$ (cu.yd) | 4.0 (5.23) | 4.0 (5.23) | 4.0 (5.23) | 4.0 (5.23) |

| Item | Model | •PC850-8E0 | PC850-8R1 | PC800-7 | •PC850-8E0 (SE spec.) |
|---|---|---|---|---|---|
| Source | | Japan | Japan | Japan (for Russia) | Japan |
| OPERATING WEIGHT* | kg (lb) | 79000 (17,420) | 79000 (17,420) | 76070 (167,700) | 78600 (173,280) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 370 (496)/1800 | 370 (496)/1800 | | 370 (496)/1800 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 363 (487)/1800 | 363 (487)/1800 | 338 (454)/1800 | 363 (487)/1800 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | 338 (454)/1800 | 338 (454)/1800 | | 338 (454)/1800 |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 3.4 (4.45) | 3.4 (4.45) | 3.4 (4.45) | 4.0 ~ 4.5 (5.23) (5.89) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 6.8 | 6.8 | 6.8 | 6.8 |
| Max travel speed Hi | km/h (MPH) | 4.2 (2.6) | 4.2 (2.6) | 4.2 (2.6) | 4.2 (2.6) |
| Mi | | | | | |
| Lo | | 2.8 (1.7) | 2.8 (1.7) | 2.8 (1.7) | 2.8 (1.7) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE (Electric Motor): | | | | | |
| Model | | KOMATSU SAA6D140E-5 | KOMATSU SAA6D140E-5 | KOMATSU SAA6D140E-3 | KOMATSU SAA6D140E-5 |
| No. of cylinders- bore × stroke | mm (in) | 6-140 × 165 (5.51 × 6.50) | 6-140 × 165 (5.51 × 6.50) | 6-140 × 165 (5.51 × 6.50) | 6-140 × 165 (5.51 × 6.50) |
| Piston displacement | ltr. (cu.in) | 15.24 (930) | 15.24 (930) | 15.24 (930) | 15.24 (930) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 988 (261) | 988 (261) | 988 (261) | 988 (261) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 320 (4550) | 320 (4550) | 320 (4550) | 320 (4550) |
| Track shoe width/ ground pressure | mm (in)/ $kg/cm^2$ (PSI) | 610 (24)/ 1.31 (18.6) | 610 (24)/ 1.31 (18.6) | 610 (24)/ 1.27 (18.1) | 610 (24)/ 1.31 (18.6) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S.Gal) | 980 (259) | 980 (259) | 880 (232) | 980 (259) |
| Hydraulic oil tank | | 470 (124) | 470 (124) | 440 (116) | 470 (124) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 8040 (26'5") | 8040 (26'5") | 8040 (26'5") | 7100 (23'4") |
| Arm | mm (ft.in) | 3600 (11'10") | 3600 (11'10") | 3600 (11'10") | 2945 (9'8") |
| Bucket (SAE) | $m^3$ (cu.yd) | 3.4 (4.45) | 3.4 (4.45) | 3.4 (4.45) | 4.3 (5.62) |

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and, indicated implement, shoes and upper attachment.

• EPA Tier 3 and EU Stage 3A model



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| Item | Model | PC850-8R1 (SE spec.) | PC800-7 (SE spec.) | •PC1250-8 | PC1250-8R |
|---|---|---|---|---|---|
| Source | | Japan | Japan (for Russia) | Japan | Japan |
| OPERATING WEIGHT* | kg (lb) | 78600 (173,280) | 75570 (166,600) | 106500 (234,790) | 106500 (234,790) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 370 (496)/1800 | | 514 (688)/1800 | 514 (688)/1800 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 363 (487)/1800 | 338 (454)/1800 | 502 (672)/1800 | 502 (672)/1800 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | 338 (454)/1800 | | 463 (620)/1800 | 463 (620)/1800 |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 4.0 ~ 4.5 (5.23) (5.89) | 4.0 ~ 4.5 (5.23) (5.89) | 3.4 ~ 5.2 (4.4) (6.8) | 3.4 ~ 5.2 (4.4) (6.8) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 6.8 | 6.8 | 5.5 | 5.5 |
| Max travel speed Hi | km/h (MPH) | 4.2 (2.6) | 4.2 (2.6) | 3.2 (2.0) | 3.2 (2.0) |
| Mi | | | | | |
| Lo | | 2.8 (1.7) | 2.8 (1.7) | 2.1 (1.3) | 2.1 (1.3) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE (Electric Motor): | | | | | |
| Model | | KOMATSU SAA6D140E-5 | KOMATSU SAA6D140E-3 | KOMATSU SAA6D170E-5 | KOMATSU SAA6D170E-5 |
| No. of cylinders- | | 6-140 × 165 | 6-140 × 165 | 6-170 × 170 | 6-170 × 170 |
| bore × stroke | mm (in) | (5.51 × 6.50) | (5.51 × 6.50) | (6.69 × 6.69) | (6.69 × 6.69) |
| Piston displacement | ltr. (cu.in) | 15.24 (930) | 15.24 (930) | 23.15 (1413) | 23.15 (1413) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | 2 × Variable Piston | 2 × Variable Piston | 3 × Variable Piston | 3 × Variable Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 988 (261) | 988 (261) | 1588 (420) | 1588 (420) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 320 (4550) | 320 (4550) | 320 (4550) | 320 (4550) |
| Track shoe width/ ground pressure | mm (in)/ $kg/cm^2$ (PSI) | 610 (24)/ 1.31 (18.6) | 610 (24)/ 1.25 (17.8) | 700 (28)/ 1.39 (19.8) | 700 (28)/ 1.39 (19.8) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S.Gal) | 980 (259) | 880 (232) | 1360 (359) | 1360 (359) |
| Hydraulic oil tank | | 470 (124) | 440 (116) | 670 (177) | 670 (177) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 7100 (23'4") | 7100 (23'4") | 9100 (29'10") | 9100 (29'10") |
| Arm | mm (ft.in) | 2945 (9'8") | 2945 (9'8") | 3400 (11'2") | 3400 (11'2") |
| Bucket (SAE) | $m^3$ (cu.yd) | 4.3 (5.62) | 4.3 (5.62) | 5.0 (6.5) | 5.0 (6.5) |

| Item | Model | PC1250-8R | PC1250-7 | •PC1250LC-8 | •PC1250-8 (SP spec.) |
|---|---|---|---|---|---|
| Source | | Indonesia | Japan | Japan | Japan |
| OPERATING WEIGHT* | kg (lb) | 106500 (234,790) | 106700 (235,230) | 113500 (250,150) | 110700 (244,050) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 514 (688)/1800 | | 514 (688)/1800 | 514 (688)/1800 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 502 (672)/1800 | 485 (651)/1800 | 502 (672)/1800 | 502 (672)/1800 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | 463 (620)/1800 | | 463 (620)/1800 | 463 (620)/1800 |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 6.7 (8.76) | 3.4 ~ 5.2 (4.45) (6.80) | 3.4 ~ 5.2 (5.23) (6.8) | 6.7 (8.8) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 5.8 | 5.5 | 5.5 | 5.5 |
| Max travel speed Hi | km/h (MPH) | 3.2 (2.0) | 3.2 (2.0) | 3.2 (2.0) | 3.2 (2.0) |
| Mi | | | | | |
| Lo | | 2.1 (1.3) | 2.1 (1.3) | 2.1 (1.3) | 2.1 (1.3) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE (Electric Motor): | | | | | |
| Model | | KOMATSU SAA6D170E-5 | KOMATSU SAA6D170E-3 | KOMATSU SAA6D170E-5 | KOMATSU SAA6D170E-5 |
| No. of cylinders- | | 6-170 × 170 | 6-170 × 170 | 6-170 × 170 | 6-170 × 170 |
| bore × stroke | mm (in) | (6.69 × 6.69) | (6.69 × 6.69) | (6.69 × 6.69) | (6.69 × 6.69) |
| Piston displacement | ltr. (cu.in) | 23.15 (1423) | 23.15 (1413) | 23.15 (1413) | 23.15 (1413) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | 3 × Variable Piston | 3 × Variable Piston | 3 × Variable Piston | 3 × Variable Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 1588 (420) | 1588 (420) | 1588 (420) | 1588 (420) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 320 (4550) | 320 (4550) | 320 (4550) | 320 (4550) |
| Track shoe width/ ground pressure | mm (in)/ $kg/cm^2$ (PSI) | 700 (28)/ 1.39 (19.8) | 700 (28)/ 1.38 (19.6) | 1000 (39.4)/ 0.88 (12.5) | 700 (28)/ 1.44 (20.4) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S.Gal) | 1360 (359) | 1360 (359) | 1360 (359) | 1360 (359) |
| Hydraulic oil tank | | 670 (177) | 670 (177) | 670 (177) | 670 (177) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 7800 (25'7") | 9100 (29'10") | 9100 (29'10") | 7800 (25'7") |
| Arm | mm (ft.in) | 3400 (11'2") | 3400 (11'2") | 3400 (11' 2") | 3400 (11'2") |
| Bucket (SAE) | $m^3$ (cu.yd) | 6.7 (8.76) | 5.0 (6.54) | 5.0 (6.5) | 6.7 (8.8) |

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and, indicated implement, shoes and upper attachment.

• EPA Tier 3 and EU Stage 3A model



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| Item | Model | PC1250-8R (SP spec.) | PC1250-7 (SP spec) | PC2000-8 | PC3000-6 Diesel Tier 1 |
|---|---|---|---|---|---|
| Source | | Japan | Japan | Japan, Indonesia | Japan, Germany |
| OPERATING WEIGHT* | kg (lb) | 110700 (244,050) | 109500 (241,400) | 200000 (440,920) | 252350 (556,300) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 514 (688)/1800 | | 728 (976)/1800 | 940 (1260)/1800 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 502 (672)/1800 | 485 (651)/1800 | 713 (956)/1800 | 895 (1200)/1800 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | 463 (620)/1800 | | 679 (910)/1800 | |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 6.7 (8.8) | 6.7 (8.76) | 12 ~ 13.7 (15.7) (17.9) | 10 ~ 20 (13.1) (26.2) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 5.5 | 5.5 | 4.8 | 4.6 |
| Max travel speed Hi | km/h (MPH) | 3.2 (2.0) | 3.2 (2.0) | 2.7 (1.7) | 2.4 (1.5) |
| Mi | | | | | |
| Lo | | 2.1 (1.3) | 2.1 (1.3) | | |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE (Electric Motor): | | | | | |
| Model | | KOMATSU SAA6D170E-5 | KOMATSU SAA6D170E-3 | KOMATSU SAA12V140E-3 | KOMATSU SSA12V159 |
| No. of cylinders- | mm | 6-170 × 170 | 6-170 × 170 | 12-140 × 165 | 12-159 × 159 |
| bore × stroke | (in) | (6.69 × 6.69) | (6.69 × 6.69) | (5.51 × 6.50) | (6.26 × 6.26) |
| Piston displacement | ltr. (cu.in) | 23.15 (1413) | 23.15 (1413) | 30.48 (1860) | 37.5 (2288) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | 3 × Variable Piston | 3 × Variable Piston | 2 × Variable Piston | 3 × Variable Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 1588 (420) | 1588 (420) | 2317 (612) | 2730 (721) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 320 (4550) | 320 (4550) | 300 (4270) | 310 (4410) |
| Track shoe width/ ground pressure | mm (in)/ $kg/cm^2$ (PSI) | 700 (28)/ 1.44 (20.4) | 700 (28)/ 1.43 (20.3) | 810 (32)/ 1.94 (27.6) | 800 (31.4)/ 2.37 (33.7) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S.Gal) | 1360 (359) | 1360 (359) | 3400 (898) | 4500 (1190) |
| Hydraulic oil tank | | 670 (177) | 670 (177) | 1300 (343) | 2900 (765) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 7800 (25'7") | 7800 (25'7") | 8700 (28'7") | 8600 (28'3") |
| Arm | mm (ft.in) | 3400 (11'2") | 3400 (11'2") | 3900 (12'10") | 4000 (13'1") |
| Bucket (SAE) | $m^3$ (cu.yd) | 6.7 (8.8) | 6.7 (8.76) | 12 (15.7) | 15 (19.5) |

| Item | Model | PC3000-6 Diesel Tier 2 | PC3000E-6 Electric Drive | PC4000-6 Diesel Tier 1 | PC4000-6 Diesel Tier 2 |
|---|---|---|---|---|---|
| Source | | Japan, Germany | Japan, Germany | Japan, Germany | Japan,Germany |
| OPERATING WEIGHT* | kg (lb) | 252350 (556,300) | 254250 (560,500) | 394200 (869,000) | 394200 (869,000) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 940 (1260)/1800 | 900 (1206) | 1400 (1875)/1800 | 1400 (1875)/1800 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 895 (1200)/1800 | | 1324 (1775)/1800 | 1324 (1775)/1800 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | | | |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 10 ~ 20 (13.1) (26.2) | 10 ~ 20 (13.1) (26.2) | 16 ~ 28 (20.9) (36.6) | 16 ~ 28 (20.9) (36.6) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 4.6 | 4.6 | 4.0 | 4.0 |
| Max travel speed Hi | km/h (MPH) | 2.4 (1.5) | 2.4 (1.5) | 2.1 (1.3) | 2.1 (1.3) |
| Mi | | | | | |
| Lo | | | | | |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE (Electric Motor): | | | | | |
| Model | | KOMATSU SSA12V159E-2 | Siemens (6.6 kV) 1LA452 | KOMATSU SDA16V160 | KOMATSU SDA16V160E-2 |
| No. of cylinders- | mm | 12-159 × 159 | | 16-159 × 190 | 16-159 × 190 |
| bore × stroke | (in) | (6.26 × 6.26) | | (6.26 × 7.48) | (6.26 × 7.48) |
| Piston displacement | ltr. (cu.in) | 37.5 (2288) | | 60.2 (3673) | 60.2 (3673) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | 3 × Variable Piston | 3 × Variable Piston | 4 × Variable Piston | 4 × Variable Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 2730 (721) | 2730 (721) | 4140 (1094) | 4140 (1094) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 310 (4410) | 310 (4410) | 310 (4410) | 310 (4410) |
| Track shoe width/ ground pressure | mm (in)/ $kg/cm^2$ (PSI) | 800 (31.4)/ 2.37 (33.7) | 800 (31.4)/ 2.38 (33.8) | 1200 (47)/ 2.20 (31.3) | 1200 (47)/ 2.20 (31.3) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S.Gal) | 4500 (1190) | — | 6400 (1690) | 6400 (1690) |
| Hydraulic oil tank | | 2900 (765) | 2900 (765) | 3900 (1030) | 3900 (1030) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 8600 (28'3") | 8600 (28'3") | 9750 (32'0") | 9750 (32'0") |
| Arm | mm (ft.in) | 4000 (13'1") | 4000 (13'1") | 4500 (14'9") | 4500 (14'9") |
| Bucket (SAE) | $m^3$ (cu.yd) | 15 (19.5) | 15 (19.5) | 22 (28.8) | 22 (28.8) |

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and, indicated implement, shoes and upper attachment.



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| Item | Model | PC4000E-6 Electric Drive | PC5500-6 Diesel Tier 1 | PC5500-6 Diesel Tier 2 | PC5500E-6 Electric Drive |
|---|---|---|---|---|---|
| Source | | Japan, Germany | Germany | Germany | Germany |
| OPERATING WEIGHT* | kg (lb) | 385850 (850,650) | 536500 (1,182,800) | 538000 (1,186,100) | 531700 (1,172,200) |
| HORSEPOWER SAE J1995 Gross<br>ISO9249 /SAE J1349 Net<br>Hyd. fan at max. speed Net | kW (HP)/RPM<br>kW (HP)/RPM<br>kW (HP)/RPM | 1350 (1809) | 1880 (2520)/1800<br>1825 (2446)/1800 | 1880 (2520)/1800<br>1825 (2446)/1800 | 1800 (2412) |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 16 ~ 28<br>(20.9) (36.6) | 21 ~ 36<br>(27.5) (47.1) | 21 ~ 36<br>(27.5) (47.1) | 21 ~ 36<br>(27.5) (47.1) |
| PERFORMANCE:<br>Swing speed<br>Max travel speed Hi<br>Mi<br>Lo | RPM<br>km/h (MPH) | 4.0<br>2.1 (1.3) | 3.1<br>2.1 (1.3) | 3.1<br>2.1 (1.3) | 3.1<br>2.1 (1.3) |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE (Electric Motor):<br>Model<br>No. of cylinders-<br>bore × stroke<br>Piston displacement | <br><br>mm<br>(in)<br>ltr. (cu.in) | ABB (6.6 kV)<br>AMA500L4A | KOMATSU<br>SSA12V159 × 2<br>12-159 × 159<br>(6.26 × 6.26)<br>37.5 (2288) × 2 | KOMATSU<br>2 × SDA12V159E-2<br>12-159 × 159<br>(6.26 × 6.26)<br>2 × 37.5 (2288) | ABB (6.6 kV) × 2<br>AHA450L4A |
| HYDRAULIC SYSTEM:<br>Hydraulic pump<br>Max. oil flow<br>Max. oil pressure (Implement) | <br>ltr. (U.S. Gal)/min.<br>$kg/cm^2$ (PSI) | 4 × Variable Piston<br>4140 (1094)<br>310 (4410) | 6 × Variable Piston<br>4200 (1110)<br>310 (4410) | 6 × Variable Piston<br>4200 (1100)<br>310 (4410) | 6 × Variable Piston<br>4200 (1100)<br>310 (4410) |
| Track shoe width/<br>ground pressure | mm (in)/<br>$kg/cm^2$ (PSI) | 1200 (47)/<br>2.16 (30.7) | 1350 (53)/<br>2.41 (34.3) | 1350 (53)/<br>2.42 (34.4) | 1350 (53)/<br>2.39 (34.0) |
| CAPACITY (Refilled):<br>Fuel tank<br>Hydraulic oil tank | ltr. (U.S.Gal) | —<br>3900 (1030) | 10800 (2853)<br>3800 (1004) | 10800 (2853)<br>3800 (1004) | —<br>3800 (1004) |
| MACHINE SPEC:<br>Boom<br>Arm<br>Bucket (SAE) | <br>mm (ft.in)<br>mm (ft.in)<br>$m^3$ (cu.yd) | <br>9750 (32'0")<br>4500 (14'9")<br>22 (28.8) | <br>11000 (36'1")<br>5100 (16'9")<br>29 (37.9) | <br>11000 (36'1")<br>5100 (16'9")<br>29 (37.9) | <br>11000 (36'1")<br>5100 (16'9")<br>29 (37.9) |

| Item | Model | PC8000-6 Diesel Tier 2 | PC8000E-6 Electric Drive | | |
|---|---|---|---|---|---|
| Source | | Germany | Germany | | |
| OPERATING WEIGHT* | kg (lb) | 753500 (1,661,200) | 735800 (1,622,150) | | |
| HORSEPOWER SAE J1995 Gross<br>ISO9249 /SAE J1349 Net<br>Hyd. fan at max. speed Net | kW (HP)/RPM<br>kW (HP)/RPM<br>kW (HP)/RPM | 3000 (4021)/1800<br>2882 (3863)/1800 | 2900 (3887) | | |
| BUCKET CAPACITY RANGE (SAE) | $m^3$ (cu.yd) | 28 ~ 50<br>(36.6) (65.4) | 28 ~ 50<br>(36.6) (65.4) | | |
| PERFORMANCE:<br>Swing speed<br>Max travel speed Hi<br>Mi<br>Lo | RPM<br>km/h (MPH) | 2.7<br>2.4 (1.5) | 2.7<br>2.4 (1.5) | | |
| DIMENSIONS: See the page of dimensions. | | | | | |
| ENGINE (Electric Motor):<br>Model<br>No. of cylinders-<br>bore × stroke<br>Piston displacement | <br><br>mm<br>(in)<br>ltr. (cu.in) | KOMATSU<br>2 × SDA16V160E-2 | ABB (6.6kV)<br>2 x AMA500L4A | | |
| HYDRAULIC SYSTEM:<br>Hydraulic pump<br>Max. oil flow<br>Max. oil pressure (Implement) | <br>ltr. (U.S. Gal)/min.<br>$kg/cm^2$ (PSI) | 8 × Variable Piston<br>8280 (2188)<br>310 (4410) | 8 × Variable Piston<br>8280 (2188)<br>310 (4410) | | |
| Track shoe width/<br>ground pressure | mm (in)/<br>$kg/cm^2$ (PSI) | 1500 (59)/<br>2.78 (39.5) | 1500 (59)/<br>2.72 (38.7) | | |
| CAPACITY (Refilled):<br>Fuel tank<br>Hydraulic oil tank | ltr. (U.S.Gal) | 14000 (3672)<br>8350 (2206) | —<br>8350 (2206) | | |
| MACHINE SPEC:<br>Boom<br>Arm<br>Bucket (SAE) | <br>mm (ft.in)<br>mm (ft.in)<br>$m^3$ (cu.yd) | <br>11500 (37'9")<br>5500 (18'1")<br>42 (55) | <br>11500 (37'9")<br>5500 (18'1")<br>42 (55) | | |

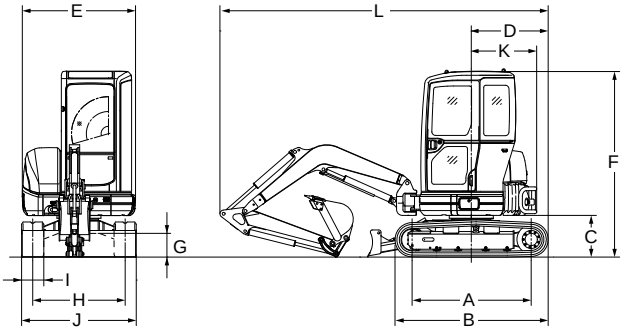
* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and, indicated implement, shoes and upper attachment.



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| | A mm (ft.in) | B mm (ft.in) | C mm (ft.in) | D mm (ft.in) | E mm (ft.in) | F mm (ft.in) | G mm (ft.in) | H mm (ft.in) | I mm (in) | J mm (ft.in) | K mm (ft.in) | L mm (ft.in) | Boom length m (ft.in) | Arm length m (ft.in) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PC09-1** | 900 (2'11") | 1225 (4') | 350 (1'2") | 790 (2'7") | 700 (2'4") | 2100 (6'11") | 180 (7.1") | 520 (1'8") | 180 (7") | 700 (2'4") | — | 2730 (8'11") | 1.357 (4'5") | 0.684 (2'3") |
| **PC14R-3** | 1015 (3'4") | 1380 (4'6") | 430 (1'5") | — | 980 (3'3") | 2320 (7'7") | 205 (8.1") | 770 (2'6") | 230 (9") | 1000 (3'3") | 825 (2'8") | 3380 (11'1") | 1.62 (5'4") | 0.88 (2'11") |
| | | | | | | | | | | | | 3400 (11'2") | | 1.13 (3'8") |
| **PC16R-3** | 1015 (3'4") | 1380 (4'6") | 430 (1'5") | — | 980 (3'3") | 2320 (7'7") | 205 (8.1") | 770 (2'6") | 230 (9") | 1000 (3'3") | 825 (2'8") | 3525 (11'7") | 1.76 (5'9") | 0.965 (3'2") |
| | | | | | | | | | | | | 3540 (11'7") | | 1.215 (4'0") |
| **PC18MR-3** | 1212 (4'0") | 1555 (5'1") | 430 (1'5") | 750 (2'6") | 980 (3'3") | 2410 (7'11") | 170 (6.7") | 750/ (2'6") 1045 (3'5") | 230 (9") | 990/ (3'3") 1280 (4'2") | 715 (2'4") | 3650 (12'0") | 1.76 (5'9") | 0.965 (3'2") |
| | | | | | | | | | | | | 3665 (12'0") | | 1.215 (4'0") |
| **PC18MR-3**** | 1212 (4'0") | 1555 (5'1") | 430 (1'5") | 750 (2'6") | 980 (3'3") | 2320 (7'7") | 170 (6.7") | 750/ (2'6") 1070 (3'6") | 230 (9") | 980/ (3'11") 1300 (4'3") | 705 (2'4") | 3650 (12'0") | 1.76 (5'9") | 0.965 (3'2") |
| | | | | | | | | | | | | 3665 (12'0") | | 1.215 (4'0") |
| **PC20MR-3** | 1440 (4'9") | 1880 (6'2") | 530 (1'9") | 920 (3'0") | 1390 (4'7") | 2520 (8'3") | 285 (11.2") | 1200 (3'11") | 250 (10") | 1450 (4'9") | 805 (2'8") | 3750 (12'4") | 1.81 (5'11") | 0.97 (3'2") |
| | | | | | | | | | | | | 3855 (12'8") | | 1.32 (4'4") |
| **PC22MR-3**** | 1440 (4'9") | 1880 (6'2") | 530 (1'9") | 920 (3'0") | 1390 (4'7") | 2485 (8'2") | 285 (11.2") | 1200 (3'11") | 250 (10") | 1450 (4'9") | 800 (2'7") | 3855 (12'8") | 1.81 (5'11") | 0.97 (3'2") |
| | | | | | | | | | | | | 3750 (12'4") | | 1.32 (4'4") |
| **PC26MR-3**** | 1485 (4'10") | 1950 (6'5") | 544 (1'9") | 955 (3'2") | 1390 (4'7") | 2497 (8'2") | 285 (11.2") | 1200 (3'11") | 300 (12") | 1500 (4'11") | 810 (2'8") | 4045 (13'3") | 2.2 (7'3") | 1.115 (3'8") |
| | | | | | | | | | | | | 4060 (13'4") | | 1.37 (4'6") |
| **PC27MR-3** | 1485 (4'10") | 1950 (6'5") | 545 (1'9") | 955 (3'2") | 1485 (4'10") | 2520 (8'3") | 320 (12.6") | 1250 (4'1") | 300 (12") | 1550 (5'1") | 855 (2'10") | 4240 (13'11") | 2.18 (7'2") | 1.10 (3'7") |
| | | | | | | | | | | | | 4275 (14'0") | | 1.37 (4'6") |
| **PC30MR-3*** **PC30MR-3**** | 1650 (5'5") | 2105 (6'11") | 545 (1'9") | 1050 (3'5") | 1485 (4'10") | 2520 (8'3") | 305 (12.0") | 1250 (4'1") | 300 (12") | 1550 (5'1") | 855 (2'10") | 4560 (15'0") | 2.285 (7'6") | 1.24 (4'1") |
| | | | | | | | | | | | | 4600 (15'1") | | 1.61 (5'3") |
| **PC35MR-3*** **PC35MR-3**** | 1650 (5'5") | 2105 (6'11") | 545 (1'9") | 1050 (3'5") | 1485 (4'10") | 2520 (8'3") | 290 (11.4") | 1440 (4'9") | 300 (12") | 1740 (5'9") | 950 (3'1") | 4825 (15'10") | 2.54 (8'4") | 1.37 (4'5") |
| | | | | | | | | | | | | 4905 (16'1") | | 1.72 (5'8") |
| **PC45MR-3*** **PC45MR-3**** | 2000 (6'7") | 2520 (8'3") | 608 (2'0") | 1265 (4'2") | 1835 (6'0") | 2550 (8'4") | 290 (11.4") | 1560 (5'1") | 400 (16") | 1960 (6'5") | 1060 (3'6") | 5220 (17'2") | 2.64 (8'8") | 1.375 (4'6") |
| | | | | | | | | | | | | 5450 (17'11") | | 1.77 (5'10") |
| **PC55MR-3*** **PC55MR-3**** | 2000 (6'7") | 2520 (8'3") | 608 (2'0") | 1265 (4'2") | 1835 (6'0") | 2550 (8'4") | 290 (11.4") | 1560 (5'1") | 400 (16") | 1960 (6'5") | 1060 (3'6") | 5550 (18'3") | 2.9 (9'6") | 1.64 (5'5") |
| | | | | | | | | | | | | 5615 (18'5") | | 2.0 (6'7") |
| **PC56-7***** | 1980 (6'6") | 2500 (8'2") | 615 (2'0") | 1255 (4'1") | 1850 (6'1") | 2550 (8'4") | 320 (1'1") | 1560 (5'1") | 400 (16") | 1960 (6'5") | 1650 (5'5") | 5935 (19'6") | 2.9 (9'6") | 1.64 (5'5") |

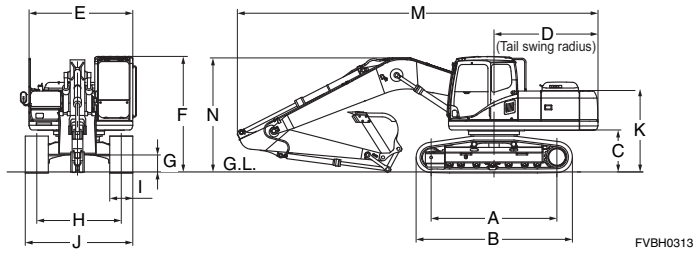
* With ROPS & top guard canopy
** Italy source
*** China source



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| | A mm (ft.in) | B mm (ft.in) | C mm (ft.in) | D mm (ft.in) | E mm (ft.in) | F mm (ft.in) | G mm (ft.in) | H mm (ft.in) | I mm (in) | J mm (ft.in) | K mm (ft.in) | M mm (ft.in) | N mm (ft.in) | Boom length m (ft.in) | Arm length m (ft.in) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PC60-8*** ** | 2130 (7'0") | 2765 (9'1") | 750 (2'6) | 1750 (5'9") | 2190 (7'2") | 2620 (8'7") | 350 (14") | 1700 (5'7") | 450 (18") | 2150 (7'1") | 1865 (6'1") | 6035 (19'10") | 2465 (8'1") | 3.65 (12'0") | 1.55 (5'1") |
| **PC70-8** | 2130 (7'0") | 2765 (9'1") | 750 (2'6) | 1750 (5'9") | 2190 (7'2") | 2640 (8'8") | 350 (14") | 1700 (5'7") | 450 (18") | 2150 (7'1") | 1865 (6'1") | 6080 (18'11") | 2500 (8'2") | 3.71 (12'2") | 1.65 (5'5") |
| **PC70-8*** ** | 2130 (7'0") | 2765 (9'1") | 750 (2'6) | 1750 (5'9") | 2180 (7'2") | 2620 (8'7") | 450 (18") | 1700 (5'7") | 450 (18") | 2150 (7'1") | 1865 (6'1") | 6080 (18'11") | 2500 (8'2") | 3.71 (12'2") | 1.65 (5'5") |
| **PC78US-8** | 2235 (7'4") | 2840 (9'4") | 735 (2'5") | 1240 (4'1") | 2330 (7'8") | 2730 (8'11") | 360 (1'2") | 1870 (6'2") | 450 (18") | 2320 (7'7") | 1835 (6'0") | 5770 (18'11") | 2555 (8'5") | 3.71 (12'2") | 1.65 (5'5") |
| | | | | | | | | | | | | 6295 (20'8") | 2870 (9'5") | | 2.25 (7'5") |
| **PC80MR-3** | 2240 (7'4") | 2878 (9'5") | 755 (2'6") | 1330 (4'4") | 2200 (7'3") | 2710 (8'11") | 390 (1'3") | 1800 (5'11") | 450 (18") | 2250 (7'5") | 1780 (5'8") | 6060 (19'11") | 2132 (10'3") | 3.2 (10'6") | 1.65 (5'5") |
| | | | | | | | | | | | | | | | 2.0 (6'7") |
| **PC88MR-8** | 2235 (7'4") | 2840 (9'4") | 755 (2'6") | 1335 (4'5") | 2330 (7'8") | 2730 (8'11") | 360 (1'2") | 1870 (6'2") | 450 (18") | 2320 (7'7") | 1855 (6'1") | 6175 (20'3") | 2240 (7'4") | 3.4 (11'2") | 1.65 (5'5") |
| | | | | | | | | | | | | 6350 (20'10") | 2615 (8'7") | | 2.1 (6'11") |
| **PC88MR-8**** | 2235 (7'4") | 2840 (9'4") | 755 (2'6") | 1335 (4'5") | 2330 (7'8") | 2730 (8'11") | 360 (1'2") | 1870 (6'2") | 450 (18") | 2320 (7'7") | 1835 (6'0") | 6175 (20'3") | 2240 (7'4") | 3.4 (11'2) | 1.65 (5'5") |
| | | | | | | | | | | | | 6350 (20'10") | 2615 (8'7") | | 2.1 (6'11") |
| **PC110-7*[4]** | 2705 (8'11") | 3435 (11'3") | 855 (2'10") | 2110 (6'11") | 2490 (8'2") | 2810 (9'3") | 400 (1'4") | 1990 (6'6") | 500 (20") | 2490 (7'2") | 2190 (7'2") | 7170 (23'6") | 2810 (9'3") | 4.26 (14'0") | 2.26 (7'5") |
| **PC118MR-8** | 2420 (7'11") | 3150 (10'4") | 863 (2'10") | 1440 (4'9") | 2390 (7'10") | 2845 (9'4") | 530 (1'9") | 1900 (6'3") | 500 (20") | 2400 (7'10") | 1943 (6'4") | 6696 (22'0") | 2550 (8'4") | 3.5 (11'5") | 2.0 (6'7") |
| | | | | | | | | | | | | 6787 (22'3") | 2775 (9'1") | | 2.3 (7'7") |
| **PC130-8 PC130-8*[5]** | 2880 (9'5") | 3610 (11'10") | 895 (2'11") | 2190 (7'2") | 2500 (8'2") | 2855 (9'4") | 400 (1'4") | 1990 (6'6") | 500 (20") | 2490 (8'2") | 1925 (6'4") | 7590 (24'11") | 2875 (9'5") | 4.6 (15'1") | 2.5 (8'2") |
| | | | | | | | | | | | | 7485 (24'7") | 3185 (10'5") | | 3.0 (9'10") |
| **PC130-8*[6]** | 2880 (9'5") | 3610 (11'10") | 895 (2'11") | 2190 (7'2") | 2500 (8'2") | 2855 (9'4") | 400 (1'4") | 1990 (6'6") | 500 (20") | 2490 (8'2") | 1925 (6'4") | 7590 (24'11") | 2875 (9'5") | 4.6 (15'1") | 2.5 (8'2") |
| **PC130-7*[4]** | 2880 (9'5") | 3610 (11'10") | 855 (2'10") | 2190 (7'2") | 2490 (8'2") | 2810 (9'3") | 400 (1'4") | 1990 (6'6") | 500 (20") | 2490 (8'2") | 1885 (6'2") | 7590 (24'11") | 2620 (8'7") | 4.6 (15'1") | 2.1 (6'10") |
| | | | | | | | | | | | | 7595 (24'11") | 2715 (8'11") | | 2.5 (8'2") |
| **PC130-7*** ** | 2880 (9'5") | 3610 (11'10") | 855 (2'10") | 2190 (7'2") | 2490 (8'2") | 2810 (9'3") | 400 (1'4") | 1990 (6'6") | 500 (20") | 2490 (8'2") | 1885 (6'2") | 7590 (24'11") | 2620 (8'7") | 4.6 (15'1") | 2.1 (6'11") |
| | | | | | | | | | | | | 7595 (24'11") | 2715 (8'11") | | 2.5 (8'2") |
| | | | | | | | | | | | | 7510 (24'8") | 3075 (10'1") | | 3.0 (9'10") |
| **PC130F-7** | 2890 (9'6") | 3666 (12'0") | 1120 (3'8") | 2190 (7'2") | 2490 (8'2") | 3075 (10'1") | 600 (2'0") | 1960 (6'5") | 900 (35.4") | 2860 (9'5") | 2150 (7'1") | 7165 (23'6") | 2720 (8'11") | 4.26 (14'0") | 2.36 (7'9") |
| | | | | | | | | | | | | 7510 (24'8") | 3070 (10'1") | | 3.0 (9'10") |
| **PC138US-8** | 2880 (9'5") | 3610 (11'10") | 900 (2'11") | 1480 (4'10") | 2490 (8'2") | 2815 (9'3") | 395 (1'4") | 1990 (6'6") | 500 (20") | 2490 (8'2") | 1980 (6'6") | 7275 (23'10") | 2690 (8'10") | 4.6 (15'1") | 2.1 (6'11") |
| | | | | | | | | | | | | 7260 (23'10") | 2850 (9'4") | | 2.5 (8'2") |
| | | | | | | | | | | | | 7160 (23'6") | 3210 (10'6") | | 3.0 (9'10") |
| **PC138USLC -10*[9]** | 3140 (10'4") | 3870 (12'8") | 900 (2'11") | 1545 (5'1") | 2490 (8'2") | 2815 (9'3") | 395 (1'4") | 1990 (6'6") | 600 (24") | 2590 (8'6") | 2140 (7'0") | 7385 (24'3") | 2850 (9'4") | 4.6 (15'1") | 2.5 (8'2") |
| | | | | | | | | | | | | 7285 (23'11") | 3210 (10'6") | | 3.0 (9'10") |

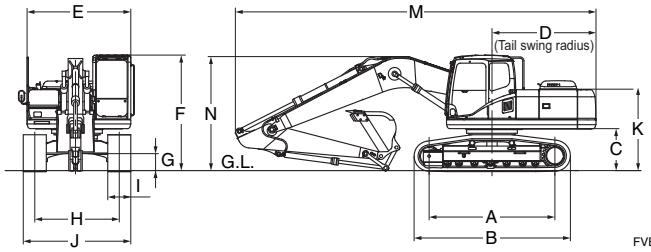
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**: UK source
***: China source
*[4]: India source
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*[7]: Russia source
*[8]: Indonesia source
*[9]: for USA
*[10]: for UK
*[11]: for Russia
*[12]: Top of engine cover
*[13]: When retracted
*[14]: When expanded
*[15]: Top of exhaust pipe
*[16]: with OPG top guard
*[17]: Include step



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| | A mm (ft.in) | B mm (ft.in) | C mm (ft.in) | D mm (ft.in) | E mm (ft.in) | F mm (ft.in) | G mm (ft.in) | H mm (ft.in) | I mm (in) | J mm (ft.in) | K mm (ft.in) | M mm (ft.in) | N mm (ft.in) | Boom length m (ft.in) | Arm length m (ft.in) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PC160LC-8 PC160LC-8*5** | 3170 (10'5") | 3965 (13'0") | 1055 (3'6") | 2435 (8'0") | 2490 (8'2") | 3030*18 (9'11") | 440 (1'5") | 1990 (6'6") | 500 (20") | 2490 (8'2") | 2065 (6'9") | 8565 (28'1") | 3015*18 (9'11") | 5.15 (16'11") | 2.25 (7'5") |
| | | | | | | | | | | | | 8565 (28'1") | 3025*18 (9'11") | | 2.61 (8'7") |
| | | | | | | | | | | | | 8565 (28'1") | 3125*18 (10'3") | | 2.9 (9'6") |
| **PC160LC-8**** | 3170 (10'5") | 3965 (13'0") | 1055 (3'6") | 2435 (8'0") | 2490 (8'2") | 2970 (9'9") | 440 (1'5") | 1990 (6'6") | 500 (20") | 2490 (8'2") | 2090 (6'10") | 8565 (28'1") | 2990 (9'10") | 5.15 (16'11") | 2.25 (7'5") |
| | | | | | | | | | | | | 8565 (28'1") | 3000 (9'10") | | 2.6 (8'6") |
| | | | | | | | | | | | | 8565 (28'1") | 3100 (10'2") | | 2.9 (9'6") |
| **PC160LC-8** (Two-piece boom)** | 3170 (10'5") | 3965 (13'0") | 1055 (3'6") | 2435 (8'0") | 2490 (8'2") | 2970 (9'9") | 440 (1'5") | 1990 (6'6") | 500 (20") | 2490 (8'2") | 2090 (6'10") | 8490 (27'10") | 2940 (9'8") | 5.15 (16'11") | 2.25 (7'5") |
| | | | | | | | | | | | | 8490 (27'10") | 2980 (9'9") | | 2.6 (8'6") |
| | | | | | | | | | | | | 8475 (27'10") | 3030 (9'11") | | 2.9 (9'6") |
| **PC160LC-8*6** | 3170 (10'5") | 3965 (13'0") | 1055 (3'6") | 2435 (8'0") | 2490 (8'2") | 3030 (9'11") | 440 (1'5") | 1990 (6'6") | 700 (28") | 2690 (8'10") | 2065 (6'9") | 8565 (28'1") | 3015 (9'11") | 5.15 (16'11") | 2.25 (7'5") |
| | | | | | | | | | | | | 8565 (28'1") | 3125 (10'3") | | 2.9 (9'6") |
| **PC160LC-7*** ** | 3170 (10'5") | 3965 (13'0") | 1055 (3'6") | 2435 (8'0") | 2490 (8'2") | 2970 (9'9") | 440 (1'5") | 1990 (6'6") | 500 (20") | 2490 (8'2") | 2090 (6'10") | 8565 (28'1") | 2990 (9'10") | 5.15 (16'11") | 2.25 (7'5") |
| | | | | | | | | | | | | 8565 (28'1") | 3000 (9'10") | | 2.61 (8'7") |
| | | | | | | | | | | | | 8565 (28'1") | 3100 (10'2") | | 2.9 (9'6") |
| **PC190LC-8** | 3275 (10'9") | 4065 (13'4") | 1055 (3'6") | 2435 (8'0") | 2490 (8'2") | 3030 (9'11") | 440 (1'5") | 2200 (7'3") | 600 (24") | 2800 (9'2") | 2090 (6'10") | 8770 (28'9") | 3055 (10'0") | 5.35 (17'7") | 2.25 (7'5") |
| | | | | | | | | | | | | 8770 (28'9") | 3090 (10'2") | | 2.6 (8'6") |
| | | | | | | | | | | | | 8770 (28'9") | 3170 (10'5") | | 2.9 (9'6") |
| **PC190LC-8 (Two-piece boom)** | 3275 (10'9") | 4065 (13'4") | 1055 (3'6") | 2435 (8'0") | 2490 (8'2") | 3030 (9'11") | 440 (1'5") | 2200 (7'3") | 600 (24") | 2800 (9'2") | 2090 (6'10") | 8490 (27'10") | 2940 (9'8") | 5.07 (16'8") | 2.25 (7'5") |
| | | | | | | | | | | | | 8490 (27'10") | 2980 (9'9") | | 2.6 (8'6") |
| | | | | | | | | | | | | 8480 (27'10") | 3030 (9'11") | | 2.9 (9'6") |
| **PC190NLC-8** | 3275 (10'9") | 4065 (13'4") | 1055 (3'6") | 2435 (8'0") | 2490 (8'2") | 3030 (9'11") | 440 (1'5") | 2040 (6'8") | 500 (20") | 2540 (8'4") | 2090 (6'10") | 8770 (28'9") | 3055 (10'0") | 5.35 (17'7") | 2.25 (7'5") |
| | | | | | | | | | | | | 8770 (28'9") | 3090 (10'2") | | 2.6 (8'6") |
| | | | | | | | | | | | | 8770 (28'9") | 3170 (10'5") | | 2.9 (9'6") |
| **PC190NLC-8 (Two-piece boom)** | 3275 (10'9") | 4065 (13'4") | 1055 (3'6") | 2435 (8'0") | 2490 (8'2") | 3030 (9'11") | 440 (1'5") | 2040 (6'8") | 500 (20") | 2540 (8'4") | 2090 (6'10") | 8490 (27'10") | 2940 (9'8") | 5.07 (16'8") | 2.25 (7'5") |
| | | | | | | | | | | | | 8490 (27'10") | 2980 (9'9") | | 2.6 (8'6") |
| | | | | | | | | | | | | 8480 (27'10") | 3030 (9'11") | | 2.9 (9'6") |
| **HB205-1** | 3275 (10'9") | 4070 (13'4") | 1085 (3'7") | 2750 (9'0") | 2710 (8'11") | 3040 (10'0") | 440 (1'5") | 2200 (7'3") | 600 (24") | 2800 (9'2") | 2090 (6'10") | 9425 (30'11") | 2970 (9'9") | 5.7 (18'8") | 2.925 (9'7") |
| **HB215LC-1** | 3655 (12'0") | 4450 (14'7") | 1085 (3'7") | 2750 (9'0") | 2710 (8'11") | 3040 (10'0") | 440 (1'5") | 2380 (7'10") | 700 (28") | 3080 (10'1") | 2090 (6'10") | 9425 (30'11") | 2970 (9'9") | 5.7 (18'8") | 2.925 (9'7") |
| **HB215LC-1**** | 3655 (12'0") | 4450 (14'7") | 1085 (3'7") | 2750 (9'0") | 2710 (8'11") | 3040 (10'0") | 440 (1'5") | 2380 (7'10") | 600 (24") | 2980 (9'9") | 2095 (6'10") | 9425 (30'11") | 2970 (9'9") | 5.7 (18'8") | 2.925 (9'7") |

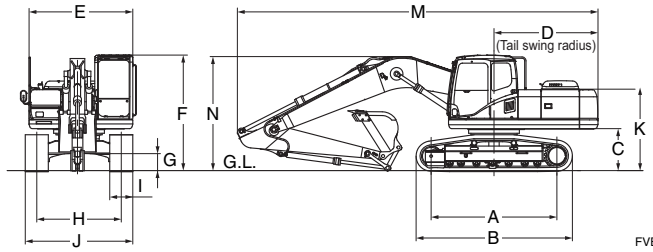
*: USA source
**: UK source
***: China source
*4: India source
*5: Thailand source
*6: Brazil source
*7: Russia source
*8: Indonesia source
*9: for USA
*10: for UK
*11: for Russia
*12: Top of engine cover
*13: When retracted
*14: When expanded
*15: Top of exhaust pipe
*16: with OPG top guard
*17: Include step
*18: Including grouser height



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| | A mm (ft.in) | B mm (ft.in) | C mm (ft.in) | D mm (ft.in) | E mm (ft.in) | F mm (ft.in) | G mm (ft.in) | H mm (ft.in) | I mm (in) | J mm (ft.in) | K mm (ft.in) | M mm (ft.in) | N mm (ft.in) | Boom length m (ft.in) | Arm length m (ft.in) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PC200-8<br>PC200-8M0<br>PC200-8***<br>PC200-8*[7]<br>PC200-8M0*[5]** | 3275 (10'9") | 4070 (13'4") | 1085 (3'7") | 2750 (9'0") | 2710 (8'11") | 3040 (10'0") | 440 (1'5") | 2200 (7'3") | 600 (24") | 2800 (9'2") | 2095 (6'10") | 9480 (31'1") | 2985 (9'10") | 5.7 (18' 8") | 1.84 (6'0") |
| | | | | | | | | | | | | 9495 (31'2") | 3190 (10'6") | | 2.41 (7'11") |
| | | | | | | | | | | | | 9425 (30'11") | 2970 (9'9") | | 2.925 (9'7") |
| **PC200-8*[8]** | 3275 (10'9") | 4070 (13'4") | 1085 (3'7") | 2750 (9'0") | 2710 (8'11") | 3040 (10'0") | 440 (1'5") | 2200 (7'3") | 800 (31.5") | 3000 (9'10") | 2095 (6'10") | 9425 (30'11") | 2970 (9'9") | 5.7 (18' 8") | 2.925 (9'7") |
| **PC200-8*[6]** | 3275 (10'9") | 4070 (13'4") | 1085 (3'7") | 2750 (9'0") | 2710 (8'11") | 3040 (10'0") | 440 (1'5") | 2200 (7'3") | 700 (28") | 2900 (9'6") | 2095 (6'10") | 9425 (30'11") | 3160 (10'4") | 5.7 (18'8") | 2.41 (7'11") |
| | | | | | | | | | | | | 9425 (30'11") | 2940 (9'8") | | 2.93 (9'7") |
| **PC200-7** | 3270 (10'9") | 4080 (13'5") | 1085 (3'7") | 2750 (9'0") | 2710 (8'11") | 3000 (9'10") | 440 (1'5") | 2200 (7'3") | 600 (24") | 2800 (9'2") | 2095 (6'10") | 9480 (3'1") | 2985 (9'10") | 5.7 (18'8") | 1.84 (6'0") |
| | | | | | | | | | | | | 9495 (3'2") | 3190 (10'6") | | 2.41 (7'11") |
| | | | | | | | | | | | | 9425 (30'11") | 2970 (9'9") | | 2.925 (9'7") |
| **PC200LC-8<br>PC200LC-8M0<br>PC200LC-8***<br>PC200LC-8*[7]<br>PC200LC-8M0*[5]** | 3655 (12'0") | 4450 (14'7") | 1085 (3'7") | 2750 (9'0") | 2710 (8'11") | 3040 (10'0") | 440 (1'5") | 2380 (7'10") | 700 (28") | 3080 (10'1") | 2095 (6'10") | 9480 (31'1") | 2985 (9'10") | 5.7 (18'8") | 1.84 (6'0") |
| | | | | | | | | | | | | 9495 (31'2") | 3190 (10'6") | | 2.41 (7'11") |
| | | | | | | | | | | | | 9425 (30'11") | 2970 (9'9") | | 2.925 (9'7") |
| **PC200LC-8*[6]** | 3655 (12'0") | 4450 (14'7") | 1085 (3'7") | 2750 (9'0") | 2710 (8'11") | 3040 (10'0") | 440 (1'5") | 2380 (7'10") | 800 (31.5") | 3180 (10' 5") | 2095 (6'10") | 8990 (59'6") | 3040 (10'0") | 5.2 (17'1") | 2.41 (7'11") |
| **PC210-10**** | 3275 (10'9") | 4080 (13'5") | 1085 (3'7") | 2940 (9'8") | 2850 (9'4") | 3045 (10'0") | 440 (1'5") | 2200 (7'3") | 600 (24") | 2800 (9'2") | 2250 (7'5") | 9695 (31'10") | 3135 (10'3") | 5.7 (18'8") | 2.41 (7'11") |
| | | | | | | | | | | | | 9625 (31'7") | 3135 (10'3") | | 2.93 (9'7") |
| **PC210-8***** | 3275 (10'9") | 4080 (13'5") | 1100 (3'7") | 2800 (9'2") | 2500 (8'2") | 3035 (9'11") | 440 (1'5") | 2200 (7'3") | 600 (24") | 2800 (9'2") | 2110 (6'11") | 9540 (31'1") | 2985 (9'10") | 5.7 (18'8") | 1.84 (6'0") |
| | | | | | | | | | | | | 9555 (31'4") | 3190 (10'6") | | 2.41 (7'11") |
| | | | | | | | | | | | | 9485 (31'1") | 2970 (9'9") | | 2.925 (9'7") |
| **PC210LC-10*** | 3655 (12'0") | 4450 (14'7") | 1085 (3'7") | 2940 (9'8") | 2850 (9'4") | 3045 (10'0") | 440 (1'5") | 2380 (7'10") | 800 (31.5") | 3180 (10'5") | 2605*[12] (8'7") | 8990 (59'6") | 3040 (10'0") | 5.2 (17'1") | 2.41 (7'11") |
| **PC210LC-10**** | 3655 (12'0") | 4450 (14'7") | 1085 (3'7") | 2940 (9'8") | 2850 (9'4") | 3045 (10'0") | 440 (1'5") | 2380 (7'10") | 600 (24") | 2980 (9'9") | 2250 (7'5") | 9695 (31'10") | 3135 (10'3") | 5.7 (18'8") | 2.41 (7'11") |
| | | | | | | | | | | | | 9625 (31'7") | 3135 (10'3") | | 2.93 (9'7") |
| **PC210NLC-8**** | 3655 (12'0") | 4450 (14'7") | 1100 (3'7") | 2800 (9'2") | 2500 (8'2") | 3035 (9'11") | 440 (1'5") | 2040 (6'8") | 500 (20") | 2540 (8'4") | 2110 (6'11") | 9540 (31'1") | 2985 (9'10") | 5.7 (18'8") | 1.84 (6'0") |
| | | | | | | | | | | | | 9555 (31'4") | 3190 (10'6") | | 2.41 (7'11") |
| | | | | | | | | | | | | 9485 (31'1") | 2970 (9'9") | | 2.925 (9'7") |
| **PC210LC-8*[4]** | 3655 (12'0") | 4450 (14'7") | 1100 (3'7") | 2800 (9'2") | 2500 (8'2") | 3035 (9'11") | 440 (1'5") | 2380 (7'10") | 600 (24") | 2980 (9'9") | 2110 (6'11") | 9555 (31'4") | 3190 (10'6") | 5.7 (18'8") | 2.4 (7'10") |
| | | | | | | | | | | | | 9485 (31'1") | 2970 (9'9") | | 2.9 (9'6") |
| **PC220-8<br>PC220-8*[4]<br>PC220-8M0<br>PC220-8*[7]** | 3460 (11'4") | 4260 (14'0") | 1100 (3'7") | 2940 (9'8") | 2710 (8'11") | 3055 (10'0") | 440 (1'5") | 2380 (7'10") | 600 (24") | 2980 (9'9") | 2110 (6'11") | 9865 (32'4") | 3220 (10'7") | 5.8 (19'2") | 2.00 (6'7") |
| | | | | | | | | | | | | 9960 (32'8") | 3295 (10'10") | | 2.50 (8'2") |
| | | | | | | | | | | | | 9885 (32'5") | 3185 (10'5") | | 3.05 (10'0") |

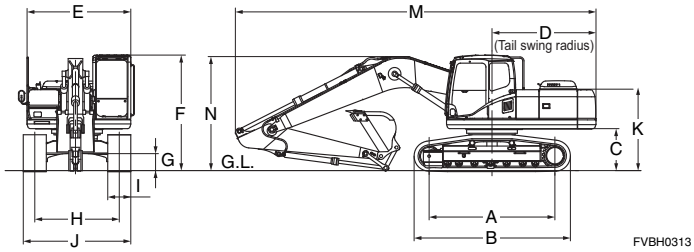
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**: UK source
***: China source
*[4]: India source
*[5]: Thailand source
*[6]: Brazil source
*[7]: Russia source
*[8]: Indonesia source
*[9]: for USA
*[10]: for UK
*[11]: for Russia
*[12]: Top of engine cover
*[13]: When retracted
*[14]: When expanded
*[15]: Top of exhaust pipe
*[16]: with OPG top guard
*[17]: Include step



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| | A mm (ft.in) | B mm (ft.in) | C mm (ft.in) | D mm (ft.in) | E mm (ft.in) | F mm (ft.in) | G mm (ft.in) | H mm (ft.in) | I mm (in) | J mm (ft.in) | K mm (ft.in) | M mm (ft.in) | N mm (ft.in) | Boom length m (ft.in) | Arm length m (ft.in) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PC220-7** | 3460 (11'4") | 4265 (14'0") | 1100 (3'7") | 2940 (9'8") | 2710 (8'11") | 3015 (9'11") | 440 (1'5") | 2380 (7'10") | 600 (24") | 2980 (9'9") | 2110 (6'11") | 9865 (32'4") | 3220 (10'7") | 5.85 (19'2") | 2.0 (6'7") |
| | | | | | | | | | | | | 9960 (32'8") | 3295 (10'10") | | 2.5 (8'2") |
| | | | | | | | | | | | | 9885 (32'5") | 3160 (10'4") | | 3.045 (10'0") |
| **PC220LC-8 PC220LC-8M0 PC220LC-8*4** | 3845 (12'7") | 4640 (15'3") | 1100 (3'7") | 2940 (9'8") | 2710 (8'11") | 3055 (10'0") | 440 (1'5") | 2580 (8'6") | 700 (28") | 3280 (10'9") | 2110 (6'11") | 9865 (32'4") | 3220 (10'7") | 5.8 (19'2") | 2.0 (6'7") |
| | | | | | | | | | | | | 9960 (32'8") | 3295 (10'10") | | 2.5 (8'2") |
| | | | | | | | | | | | | 9885 (32'5") | 3185 (10'5") | | 3.05 (10'0") |
| **PC220LC-7** | 3845 (12'7") | 4640 (15'3") | 1100 (3'7") | 2940 (9'8") | 2710 (8'11") | 3015 (9'11") | 440 (1'5") | 2580 (8'6") | 700 (28") | 3280 (10'9") | 2110 (6'11") | 9865 (32'4") | 3220 (10'7") | 5.85 (19'2") | 2.0 (6'7") |
| | | | | | | | | | | | | 9960 (32'8") | 3295 (10'10") | | 2.5 (8'2") |
| | | | | | | | | | | | | 9885 (32'4") | 3160 (10'4") | | 3.045 (10'0") |
| **PC228US-8** | 3275 (10'9") | 4070 (13'4") | 1060 (3'6") | 1680 (5'6") | 2980 (9'9") | 3050 (10'0") | 440 (1'5") | 2200 (7'3") | 600 (24") | 2800 (9'2") | 2285 (7'6") | 8700 (28'7") | 2980 (9'9") | 5.7 (18'8") | 2.925 (9'7") |
| **PC228USLC-8** | 3655 (12'0") | 4450 (14'7") | 1060 (3'6") | 1680 (5'6") | 2980 (9'9") | 3050 (10'0") | 440 (1'5") | 2380 (7'10") | 700 (28") | 3080 (10'1") | 2285 (7'6") | 8890 (29'2") | 2980 (9'9") | 5.7 (18'8") | 2.925 (9'7") |
| **PC228USLC-8*9** | 3655 (12'0") | 4450 (14'7") | 1060 (3'6") | 1810 (5'11") | 2980 (9'9") | 3050 (10'0") | 440 (1'5") | 2380 (7'10") | 800 (31.5") | 3180 (10'5") | 2285 (7'6") | 8890 (29'2") | 2980 (9'9") | 5.7 (18'8") | 2.925 (9'7") |
| **PC228USLC-8*10** | 3275 (10'9") | 4070 (13'4") | 1060 (3'6") | 1680 (5'6") | 2980 (9'9") | 3050 (10'0") | 440 (1'5") | 2380 (7'10") | 600 (24") | 2800 (9'2") | 2400*12 (7'10") | 8950 (29'4") | 3170 (10'5") | 5.7 (18'8") | 2.40 (7'10") |
| | | | | | | | | | | | | 8890 (29'2") | 2980 (9'9") | | 2.9 (9'7") |
| **PC230NHD-8** | 3460 (11'4") | 4305 (14'1") | 1125 (3'8") | 2800 (9'2") | 2500 (8'2") | 3060 (10'0") | 465 (1'6") | 1990 (6'6") | 550 (22") | 2540 (8'4") | 2135 (7'0") | 9540 (31'4") | 2985 (9'10") | 5.7 (18'8") | 1.8 (5'11") |
| | | | | | | | | | | | | 9555 (31'4") | 3190 (10'6") | | 2.4 (7'10") |
| | | | | | | | | | | | | 9485 (31'1") | 2970 (9'9") | | 2.9 (9'6") |
| **PC240LC-10*** | 3845 (12'7") | 4640 (15'3") | 1100 (3'7") | 2940 (9'8") | 2850 (9'4") | 3055 (10'0") | 440 (1'5") | 2580 (8'6") | 800 (31.5") | 3380 (11'1") | 2265 (7'5") | 9885 (32'5") | 3185 (10'5") | 5.85 (19'8") | 3.045 (10'0") |
| | | | | | | | | | | | | 9910 (32'6") | 3270 (10'9") | | 3.5 (11'6") |
| **PC240LC-10**** | 3845 (12'7") | 4640 (15'3") | 1100 (3'7") | 2940 (9'8") | 2850 (9'4") | 3055 (10'0") | 440 (1'5") | 2590 (8'6") | 700 (28") | 3290 (10'10") | 2265 (7'5") | 9865 (32'4") | 3220 (10'7") | 5.85 (19'8") | 2.0 (6'7") |
| | | | | | | | | | | | | 9960 (32'8") | 3295 (10'10") | | 2.5 (8'2") |
| | | | | | | | | | | | | 9885 (32'5") | 3160 (10'4") | | 3.0 (10'0") |
| | | | | | | | | | | | | 9910 (32'6") | 3270 (10'9") | | 3.5 (11'6") |
| **PC240NLC-10**** | 3655 (12'0") | 4450 (14'7") | 1100 (3'7") | 2940 (9'8") | 2850 (9'4") | 3055 (10'0") | 440 (1'5") | 2390 (7'10") | 600 (24") | 2990 (9'10") | 2265 (7'5") | 9865 (32'4") | 3220 (10'7") | 5.85 (19'8") | 2.0 (6'7") |
| | | | | | | | | | | | | 9960 (32'8") | 3295 (10'10") | | 2.5 (8'2") |
| | | | | | | | | | | | | 9885 (32'5") | 3160 (10'4") | | 3.0 (10'0") |
| | | | | | | | | | | | | 9910 (32'6") | 3270 (10'9") | | 3.5 (11'6") |
| **PC240LC-8***** | 3845 (12'7") | 4640 (15'3") | 1100 (3'7") | 2940 (9'8") | 2710 (8'11") | 3055 (10'0") | 440 (1'5") | 2580 (8'6") | 600 (24") | 3180 (10'5") | 2110 (6'11") | 9885 (32'5") | 3185 (10'5") | 5.8 (19'2") | 3.05 (10'0") |

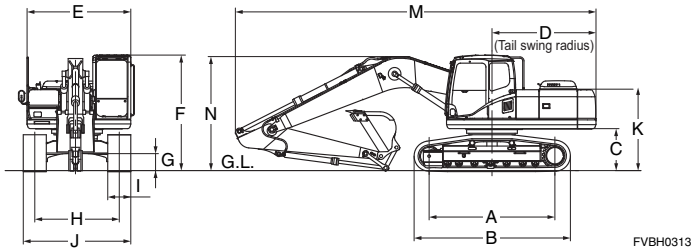
*: USA source
**: UK source
***: China source
*4: India source
*5: Thailand source
*6: Brazil source
*7: Russia source
*8: Indonesia source
*9: for USA
*10: for UK
*11: for Russia
*12: Top of engine cover
*13: When retracted
*14: When expanded
*15: Top of exhaust pipe
*16: with OPG top guard
*17: Include step



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| | A mm (ft.in) | B mm (ft.in) | C mm (ft.in) | D mm (ft.in) | E mm (ft.in) | F mm (ft.in) | G mm (ft.in) | H mm (ft.in) | I mm (in) | J mm (ft.in) | K mm (ft.in) | M mm (ft.in) | N mm (ft.in) | Boom length m (ft.in) | Arm length m (ft.in) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PC240LC-8*[6]** | 3845 (12'7") | 4640 (15'3") | 1100 (3'7") | 2940 (9'8") | 2710 (8'11") | 3055 (10'0") | 440 (1'5") | 2580 (8'6") | 600 (24") | 3180 (10'5") | 2110 (6'11") | 9865 (32'4") | 3220 (10'7") | 5.8 (19'2") | 2.00 (6'7") |
| | | | | | | | | | | | | 9960 (32'8") | 3295 (10'10") | | 2.5 (8'2") |
| | | | | | | | | | | | | 9885 (32'5") | 3185 (10'5") | | 3.0 (10'0") |
| **PC270-8** | 3700 (12'2") | 4625 (15'2") | 1215 (4'0") | 2940 (9'8") | 2710 (8'11") | 3175 (10'5") | 498 (1'8") | 2590 (8'6") | 600 (24") | 3190 (10'6") | 2225 (7'4") | 9940 (32'7") | 3310 (10'10") | 5.9 (19'2") | 2.50 (8'2") |
| | | | | | | | | | | | | 9860 (32'4") | 3200 (10'6") | | 3.05 (10'0") |
| | | | | | | | | | | | | 9890 (32'5") | 3280 (10'9") | | 3.5 (11'6") |
| **PC270-7*** ** | 3700 (12'2") | 4625 (15'2") | 1186 (3'11") | 2940 (9'8") | 2710 (8'11") | 3100 (10'2") | 498 (1'8") | 2590 (8'6") | 600 (24") | 3190 (10'6") | 2200 (7'3") | 9790 (32'1") | 3210 (10'6") | 5.85 (19'2") | 3.05 (10'0") |
| **PC270LC-8** | 4030 (13'3") | 4955 (16'2") | 1215 (4'0") | 2940 (9'8") | 2710 (8'11") | 3180 (10'5") | 498 (1'8") | 2590 (8'6") | 700 (28") | 3290 (10'10") | 2225 (7'4") | 9940 (32'7") | 3310 (10'10") | 5.9 (19'2") | 2.50 (8'2") |
| | | | | | | | | | | | | 9860 (32'4") | 3205 (10'6") | | 3.05 (10'0") |
| | | | | | | | | | | | | 9890 (32'5") | 3280 (10'9") | | 3.5 (11'6") |
| **PC290LC-10*** | 4030 (13'3") | 4955 (16'3") | 1215 (4'0") | 2940 (9'8") | 2850 (9'4") | 3180 (10'5") | 498 (1'8") | 2590 (8'6") | 800 (31.5") | 3390 (11'1") | 2380 (7'10") | 10185 (33'5") | 3340 (11'0") | 6.15 (20'2") | 3.2 (10'6") |
| | | | | | | | | | | | | 10195 (33'5") | 3375 (11'1") | | 3.5 (11'6") |
| **PC290LC-10**** | 4030 (13'3") | 4955 (16'3") | 1215 (4'0") | 2940 (9'8") | 2850 (9'4") | 3180 (10'5") | 500 (1'8") | 2590 (8'6") | 700 (28") | 3290 (10'10") | 2380 (7'10") | 10080 (35'5") | 3160 (11'0") | 6.15 (20'2") | 2.0 (6'7") |
| | | | | | | | | | | | | 10240 (33'7") | 3425 (11'3") | | 2.65 (8'8") |
| | | | | | | | | | | | | 10185 (33'5") | 3340 (11'0") | | 3.2 (10'6") |
| | | | | | | | | | | | | 10195 (33'5") | 3375 (11'1") | | 3.5 (11'6") |
| **PC290NLC-10**** | 4030 (13'3") | 4955 (16'3") | 1215 (4'0") | 2940 (9'8") | 2850 (9'4") | 3180 (10'5") | 500 (1'8") | 2390 (7'10") | 600 (24") | 2990 (10'10") | 2380 (7'10") | 10080 (35'5") | 3160 (11'0") | 6.15 (20'2") | 2.0 (6'7") |
| | | | | | | | | | | | | 10240 (33'7") | 3425 (11'3") | | 2.65 (8'8") |
| | | | | | | | | | | | | 10185 (33'5") | 3340 (11'0") | | 3.2 (10'6") |
| | | | | | | | | | | | | 10195 (33'5") | 3375 (11'1") | | 3.5 (11'6") |
| **PC300-8**<br>**PC300-8*[5]**<br>**PC300-8*[7]** | 3700 (12'2") | 4625 (15'2") | 1185 (3'11") | 3450 (11'4") | 3090 (10'2") | 3145 (10'4") | 500 (1'8") | 2590 (8'6") | 600 (24") | 3190 (10'6") | 2585*[12] (8'6") | 11300 (37'1") | 3480 (11'5") | 6.47 (21'3") | 2.22 (7'3") |
| | | | | | | | | | | | | 11180 (36'8") | 3450 (11'4") | | 2.55 (8'4") |
| | | | | | | | | | | | | 11140 (36'7") | 3285 (10'9") | | 3.185 (10'5") |
| | | | | | | | | | | | | 11170 (36'8") | 3760 (12'4") | | 4.02 (13'2") |
| **PC300-8*[8]**<br>**PC300-8*[8]**<br>**(SE spec.)** | 3700 (12'2") | 4625 (15'2") | 1185 (3'11") | 3450 (11'4") | 3090 (10'2") | 3145 (10'4") | 500 (1'8") | 2590 (8'6") | 800 (31.5") | 3390 (11'1") | 2585*[12] (8'6") | 11300 (37'1") | 3480 (11'5") | 6.47 (21'3") | 2.22 (7'3") |
| | | | | | | | | | | | | 11180 (36'8") | 3450 (11'4") | | 2.55 (8'4") |
| | | | | | | | | | | | | 11140 (36'7") | 3285 (10'9") | | 3.185 (10'5") |

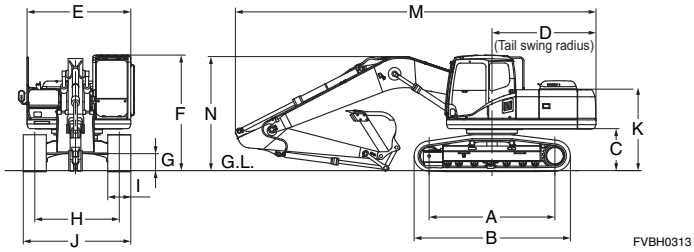
*: USA source
**: UK source
***: China source
*[4]: India source
*[5]: Thailand source
*[6]: Brazil source
*[7]: Russia source
*[8]: Indonesia source
*[9]: for USA
*[10]: for UK
*[11]: for Russia
*[12]: Top of engine cover
*[13]: When retracted
*[14]: When expanded
*[15]: Top of exhaust pipe
*[16]: with OPG top guard
*[17]: Include step



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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PC300-7**<br>**PC300-7*****<br>**PC360-7*****<br>3700 (12'2")<br>4625 (15'2")<br>1185 (3'11")<br>3450 (11'4")<br>2995 (9'10")<br>3130 (10'3")<br>500 (1'8")<br>2590 (8'6")<br>600 (24")<br>3190 (10'6")<br>2580*12 (8'6") | 11290 (37'1") | 3400 (11'2") | 6.47 (21'3") | 2.22 (7'3") |
| | 11180 (36'8") | 3410 (11'2") | | 2.55 (8'4") |
| | 11140 (36'7") | 3285 (10'9") | | 3.185 (10'5") |
| | 11170 (36'8") | 3760 (12'4") | | 4.02 (13'2") |
| **PC300LC-8**<br>**PC300LC-8*7**<br>4030 (13'3")<br>4955 (16'3")<br>1185 (3'11")<br>3450 (11'4")<br>3090 (10'2")<br>3145 (10'4")<br>500 (1'8")<br>2590 (8'6")<br>700 (28")<br>3290 (10'10")<br>2585*12 (8'6") | 11300 (37'1") | 3480 (11'5") | 6.47 (21'3") | 2.22 (7'3") |
| | 11180 (36'8") | 3450 (11'4") | | 2.55 (8'4") |
| | 11140 (36'7") | 3285 (10'9") | | 3.185 (10'5") |
| | 11170 (36'8") | 3760 (12'4") | | 4.02 (13'2") |
| **PC300LC-8*8**<br>**PC300LC-8*8**<br>**(SE spec.)**<br>4030 (13'3")<br>4955 (16'3")<br>1185 (3'11")<br>3450 (11'4")<br>3090 (10'2")<br>3145 (10'4")<br>500 (1'8")<br>2590 (8'6")<br>800 (31.5")<br>3390 (11'2")<br>2585*12 (8'6") | 11300 (37'1") | 3480 (11'5") | 6.47 (21'3") | 2.22 (7'3") |
| | 11180 (36'8") | 3450 (11'4") | | 2.55 (8'4") |
| | 11140 (36'7") | 3285 (10'9") | | 3.185 (10'5") |
| | 11170 (36'8") | 3760 (12'4") | | 4.02 (13'2") |
| **PC300LC-7*4**<br>4030 (13'3")<br>4955 (16'3")<br>1185 (3'11")<br>3450 (11'4")<br>2995 (9'10")<br>3130 (10'3")<br>500 (1'8")<br>2590 (8'6")<br>600 (24")<br>3190 (10'6")<br>2585*12 (8'6") | 11290 (37'1") | 3400 (11'2") | 6.47 (21'3") | 2.22 (7'3") |
| | 11140 (36'7") | 3280 (10'9") | | 3.185 (10'5") |
| **PC350-8**<br>3700 (12'2")<br>4625 (15'2")<br>1185 (3'11")<br>3450 (11'4")<br>3165 (10'5")<br>3145 (10'4")<br>500 (1'8")<br>2590 (8'6")<br>600 (24")<br>3190 (10'6")<br>2585*12 (8'6") | 11140 (36'7") | 3285 (10'9") | 6.5 (21'3") | 3.185 (10'5") |
| **PC350-7**<br>3700 (12'2")<br>4625 (15'2")<br>1185 (3'11")<br>3450 (11'4")<br>3145 (10'4")<br>3130 (10'3")<br>500 (1'8")<br>2590 (8'6")<br>600 (24")<br>3190 (10'6")<br>2580*12 (8'6") | 11140 (36'7") | 3285 (10'9") | 6.47 (21'3") | 3.185 (10'5") |
| **PC350LC-8**<br>4030 (13'3")<br>4955 (16'3")<br>1186 (3'11")<br>3450 (11'4")<br>2995 (9'10")<br>3100 (10'2")<br>498 (1'8")<br>2590 (8'6")<br>700 (28")<br>3290 (10'10")<br>2580*12 (8'6") | 11290 (37'1") | 3400 (11'2") | 6.5 (21'3") | 2.2 (7'3") |
| | 11180 (36'8") | 3410 (11'2") | | 2.6 (8'6") |
| | 11140 (36'7") | 3280 (10'9") | | 3.2 (10'6") |
| | 11170 (36'8") | 3760 (12'4") | | 4.0 (13'1") |
| **PC350LC-8**<br>4030 (13'3")<br>4955 (16'3")<br>1186 (3'11")<br>3450 (11'4")<br>2995 (9'10")<br>3100 (10'2")<br>498 (1'8")<br>2390 (7'10")<br>600 (24")<br>2990 (9'10")<br>2580*12 (8'6") | 11290 (37'1") | 3400 (11'2") | 6.5 (21'3") | 2.22 (7'3") |
| | 11180 (36'8") | 3410 (11'2") | | 2.55 (8'4") |
| | 11140 (36'7") | 3280 (10'9") | | 3.185 (10'5") |
| | 11170 (36'8") | 3760 (12'4") | | 4.02 (13'2") |
| **PC350LC-8*6**<br>4030 (13'3")<br>4955 (16'3")<br>1185 (3'11")<br>3450 (11'4")<br>3165 (10'5")<br>3130 (10'3")<br>500 (1'8")<br>2590 (8'6")<br>600 (24")<br>3190 (10'6")<br>2585*12 (8'6") | 11310 | 3480 | 6.47 (21'3") | 2.22 |
| | (37'1") | (11'5") | | (7'3") |
| | 11190 | 3295 | | 2.55 |
| | (36'9") | (10'10") | | (8'4") |
| | 11150 | 3285 | | 3.185 |
| | (36'7") | (10'9") | | (10'5") |
| | 11180 | 3760 | | 4.02 |
| | (36'8") | (12'4") | | (13'2") |

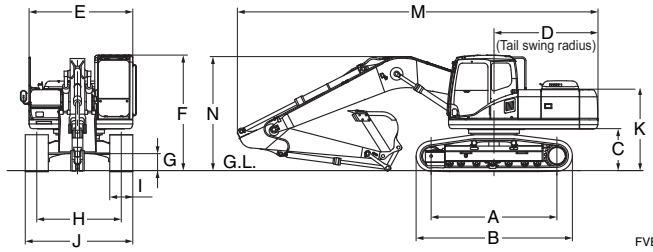
*: USA source
**: UK source
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*4: India source
*5: Thailand source
*6: Brazil source
*7: Russia source
*8: Indonesia source
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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PC360LC-10*** | 4030 (13'3") | 4955 (16'3") | 1185 (3'11") | 3445 (11'4") | 3145 (10'4") | 3160 (10'4") | 498 (1'8") | 2590 (8'6") | 800 (31.5") | 3390 (11'1") | 2750*12 (9'0") | 11180 (36'8") | 3410 (11'2") | 6.5 (21'3") | 2.54 (8'4") |
| | | | | | | | | | | | | 11145 (36'7") | 3285 (10'9") | | 3.185 (10'5") |
| | | | | | | | | | | | | 11170 (36'8") | 3760 (12'4") | | 4.02 (13'2") |
| **PC360LC-10**** | 4030 (13'3") | 4955 (16'3") | 1185 (3'11") | 3445 (11'4") | 2995 (9'10") | 3160 (10'4") | 500 (1'8") | 2590 (8'6") | 700 (28") | 3290 (10'10") | 2360 (7'9") | 11290 (37'1") | 3400 (11'2") | 6.5 (21'3") | 2.2 (7'3") |
| | | | | | | | | | | | | 11180 (36'8") | 3410 (11'2") | | 2.6 (8'6") |
| | | | | | | | | | | | | 11140 (36'7") | 3280 (10'9") | | 3.2 (10'6") |
| | | | | | | | | | | | | 11170 (36'8") | 3760 (12'4") | | 4.0 (13'1") |
| **PC360NLC-10**** | 4030 (13'3") | 4955 (16'3") | 1185 (3'11") | 3445 (11'4") | 2995 (9'10") | 3160 (10'4") | 500 (1'8") | 2390 (7'10") | 600 (24") | 2990 (9'10") | 2360 (7'9") | 11290 (37'1") | 3400 (11'2") | 6.5 (21'3") | 2.2 (7'3") |
| | | | | | | | | | | | | 11180 (36'8") | 3410 (11'2") | | 2.6 (8'6") |
| | | | | | | | | | | | | 11140 (36'7") | 3280 (10'9") | | 3.2 (10'6") |
| | | | | | | | | | | | | 11170 (36'8") | 3760 (12'4") | | 4.0 (13'1") |
| **PC390LC-10*** | 4350 (14'3") | 5355 (17'7") | 1320 (4'4") | 3445 (11'4") | 3145 (10'4") | 3230 (10'7") | 550 (1'10") | 2740 (9'0") | 800 (31.5") | 3540 (11'7") | 2858*12 (9'5") | 11130 (36'6") | 3245 (10'8") | 6.5 (21'3") | 2.54 (8'4") |
| | | | | | | | | | | | | 11170 (36'8") | 3420 (11'3") | | 3.185 (10'5") |
| | | | | | | | | | | | | 11230 (36'10") | 3690 (12'1") | | 4.02 (13'2") |
| **PC400-8 PC400-8R** | 4020 (13'2") | 5055 (16'7") | 1320 (4'4") | 3645 (12'0") | 3090 (10'2") | 3285 (10'9") | 555 (1'10") | 2740 (9'0") | 600 (24") | 3340 (11'0") | 2885*12 (9'6") | 11905 (39'1") | 3850 (12'8") | 7.1 (23'2") | 2.4 (7'10) |
| | | | | | | | | | | | | 11995 (39'4") | 3745 (12'3") | | 2.9 (9'6") |
| | | | | | | | | | | | | 11940 (39'2") | 3635 (11'11") | | 3.38 (11'1") |
| | | | | | | | | | | | | 11950 (39'2") | 3885 (12'9") | | 4.0 (13'1") |
| **PC400-8*****| 4020 (13'2") | 5055 (16'7") | 1320 (4'4") | 3645 (12'0") | 2995 (9'10") | 3285 (10'9") | 567 (1'10") | 2740 (9') | 600 (24") | 3340 (11') | 2920*12 (9'7") | 11940 (39'2") | 3660 (11'11") | 7.06 (23'2") | 3.38 (11'1") |
| **PC400-8*[8] PC400-8R*[8] (SE spec)** | 4020 (13'2") | 5055 (16'7") | 1320 (4'4") | 3645 (12'0") | 3090 (10'2") | 3285 (10'9") | 555 (1'10") | 2740 (9') | 600 (24") | 3340 (11') | 2920*12 (9'7") | 11905 (39'1") | 3850 (12'8") | 7.06 (23'2") | 2.4 (7'10") |
| | | | | | | | | | | | | 11995 (39'4") | 3745 (12'3") | | 2.9 (9'6") |
| | | | | | | | | | | | | 11940 (39'2") | 3635 (12'0") | | 3.38 (11'1") |
| | | | | | | | | | | | | 11950 (39'2") | 3885 (12'9") | | 4.0 (13'1") |
| **PC400-7 PC400-7*[7]** | 4020 (13'2") | 5055 (16'7") | 1320 (4'4") | 3645 (12'0") | 2995 (9'10") | 3265 (10'9") | 555 (1'10") | 2740 (9') | 600 (24") | 3340 (11') | 2715*12 (8'11") | 11905 (39'1") | 3850 (12'8") | 7.06 (23'2") | 2.4 (7'10") |
| | | | | | | | | | | | | 11995 (39'4") | 3745 (12'3") | | 2.9 (9'6") |
| | | | | | | | | | | | | 11940 (39'2") | 3635 (12'0") | | 3.38 (11'1") |
| | | | | | | | | | | | | 11950 (39'2") | 3885 (12'9") | | 4.0 (13'1") |

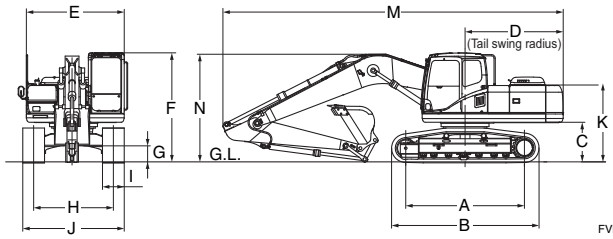
*: USA source
**: UK source
***: China source
*[4]: India source
*[5]: Thailand source
*[6]: Brazil source
*[7]: Russia source
*[8]: Indonesia source
*[9]: for USA
*[10]: for UK
*[11]: for Russia
*[12]: Top of engine cover
*[13]: When retracted
*[14]: When expanded
*[15]: Top of exhaust pipe
*[16]: with OPG top guard
*[17]: Include step



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| | A mm (ft.in) | B mm (ft.in) | C mm (ft.in) | D mm (ft.in) | E mm (ft.in) | F mm (ft.in) | G mm (ft.in) | H mm (ft.in) | I mm (in) | J mm (ft.in) | K mm (ft.in) | M mm (ft.in) | N mm (ft.in) | Boom length m (ft.in) | Arm length m (ft.in) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PC400LC-8**<br>**PC400LC-8R** | 4350 (14'3") | 5385 (17'8") | 1320 (4'4") | 3645 (12'0") | 3090 (10'2") | 3285 (10'9") | 550 (1'10") | 2740 (9'0") | 700 (28") | 3440 (11'3") | 2920*12 (9'7") | 11905 (39'1") | 3850 (12'8") | 7.1 (23'2") | 2.4 (7'10) |
| | | | | | | | | | | | | 11995 (39'4") | 3745 (12'3") | | 2.9 (9'6") |
| | | | | | | | | | | | | 11940 (39'2") | 3635 (11'11") | | 3.38 (11'1") |
| | | | | | | | | | | | | 11950 (39'2") | 3885 (12'9") | | 4.0 (13'1") |
| **PC400LC-8*8**<br>**PC400LC-8R*8**<br>**(SE spec)** | 4350 (14'3") | 5385 (17'8") | 1320 (4'4") | 3645 (12'0") | 3090 (10'2") | 3285 (10'9") | 550 (1'10") | 2740 (9'0") | 800 (31.5") | 3540 (11'6") | 2920*12 (9'7") | 11905 (39'1") | 3850 (12'8") | 7.1 (23'2") | 2.4 (7'10) |
| | | | | | | | | | | | | 11995 (39'4") | 3745 (12'3") | | 2.9 (9'6") |
| | | | | | | | | | | | | 11940 (39'2") | 3635 (11'11") | | 3.38 (11'1") |
| | | | | | | | | | | | | 11950 (39'2") | 3885 (12'9") | | 4.0 (13'1") |
| **PC400LC-7**<br>**PC400LC-7*7** | 4350 (14'3") | 5385 (17'8") | 1320 (4'4") | 3645 (12'0") | 2995 (9'10") | 3265 (10'9") | 550 (1'10") | 2740 (9') | 700 (28") | 3440 (11'3") | 2715*12 (8'11") | 11905 (39'1") | 3850 (12'8") | 7.06 (23'2") | 2.4 (7'10") |
| | | | | | | | | | | | | 11995 (39'4") | 3745 (12'3") | | 2.9 (9'6") |
| | | | | | | | | | | | | 11940 (39'2") | 3635 (11'11") | | 3.38 (11'1") |
| | | | | | | | | | | | | 11950 (39'2") | 3885 (12'9") | | 4.0 (13'1") |
| **PC450-8**<br>**PC450-8R** | 4020 (13'2") | 5055 (16'7") | 1320 (4'4") | 3645 (12'0") | 3165 (10'5") | 3265 (10'9") | 555 (1'10) | 2740 (9'0") | 600 (24") | 3340 (11'0") | 2920*12 (9'7") | 12040 (39'6") | 3660 (12'0") | 7.1 (23'2") | 3.38 (11'1") |
| **PC450-8*** ** | 4020 (13'2") | 5055 (16'7") | 1320 (4'4") | 3645 (12'0") | 3165 (10'4") | 3285 (10'9") | 685 (2'3") | 2890 (9'6")<br>2390*13 (7'10") | 600 (24") | 3490 (11'5")<br>2990 (9'10") | 2920*12 (9'7") | 12040 (39'6") | 3660 (12'0") | 7.06 (23'2") | 3.38 (11'1") |
| **PC450-7** | 4020 (13'2") | 5055 (16'7") | 1320 (4'4") | 3645 (12'0") | 3145 (10'4") | 3265 (10'9") | 555 (1'10") | 2740 (9') | 600 (24") | 3340 (11') | 2715*12 (8'11") | 12040 (39'6") | 3660 (12'0") | 7.06 (23'2") | 3.38 (11'1") |
| **PC450LC-8**<br>**PC450LC-8R** | 4350 (14'3") | 5385 (17'8") | 1320 (4'4") | 3645 (12'0") | 3145 (10'4") | 3265 (10'9") | 550 (1'10) | 2740 (9'0") | 600 (24") | 3340 (11'0") | 2885*12 (9'6") | 12040 (39'6") | 3660 (12'0") | 7.1 (23'2") | 3380 (11'1") |
| **PC490LC-10*** | 4350 (14'3") | 5385 (17'8") | 1385 (4'7") | 3645 (12'0") | 3145 (10'4") | 3360 (11'0") | 550 (1'10") | 2740 (9'0") | 700 (28") | 3440 (11'3") | 3105*12 (10'2") | 11995 (39'4") | 3745 (12'3") | 7.0 (23'2") | 2.9 (9'6") |
| | | | | | | | | | | | | 11930 (39'2") | 3635 (11'11") | | 3.38 (11'1") |
| | | | | | | | | | | | | 11950 (39'2") | 3885 (12'9") | | 4.0 (13'1") |
| | | | | | | | | | | | | 11795 (38'8") | 4435 (14'7") | | 4.8 (15'9") |
| **PC490-10**** | 4020 (13'2") | 5055 (16'7") | 1385 (4'7") | 3645 (12'0") | 2995 (9'10") | 3360 (11'0") | 700 (2'4") | 2890 (9'6") | 600 (24") | 3490 (11'5")<br>2990*13 (9'10") | 2490 (8'2") | 11470 (37'8") | 3630 (11'11") | 6.7 (22'0") | 2.4 (7'10") |
| | | | | | | | | | | | | 11570 (38'0") | 3710 (12'2") | | 2.9 (9'6") |
| | | | | | | | | | | | | 11910 (39'1") | 3875 (12'9") | 7.1 (23'4") | 2.4 (7'10") |
| | | | | | | | | | | | | 12000 (39'4") | 3760 (12'4") | | 2.9 (9'6") |
| | | | | | | | | | | | | 11930 (39'2") | 3635 (11'11") | | 3.4 (11'2") |
| | | | | | | | | | | | | 11950 (39'2") | 3885 (12'9") | | 4.0 (13'1") |
| | | | | | | | | | | | | 11825 (39'0") | 4435 (14'7") | | 4.8 (15'9") |

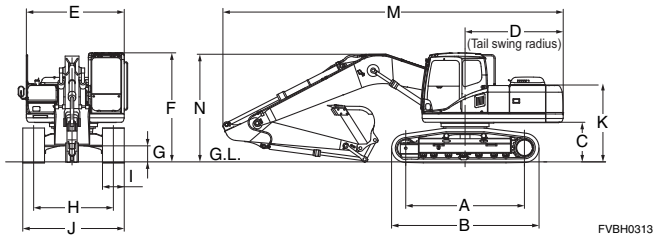
*: USA source
**: UK source
***: China source
*4: India source
*5: Thailand source
*6: Brazil source
*7: Russia source
*8: Indonesia source
*9: for USA
*10: for UK
*11: for Russia
*12: Top of engine cover
*13: When retracted
*14: When expanded
*15: Top of exhaust pipe
*16: with OPG top guard
*17: Include step



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| | A mm (ft.in) | B mm (ft.in) | C mm (ft.in) | D mm (ft.in) | E mm (ft.in) | F mm (ft.in) | G mm (ft.in) | H mm (ft.in) | I mm (in) | J mm (ft.in) | K mm (ft.in) | M mm (ft.in) | N mm (ft.in) | Boom length m (ft.in) | Arm length m (ft.in) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PC490LC-10**** | 4350 (14'3") | 5385 (17'8") | 1385 (4'7") | 3645 (12'0") | 2995 (9'10") | 3360 (11'0") | 700 (2'4") | 2890 (9'6") | 700 (28") | 3590 (11'9") 3090*13 (10'2") | 2490 (8'2") | 11470 (37'8") | 3630 (11'11") | 6.7 (22'0") | 2.4 (7'10") |
| | | | | | | | | | | | | 11570 (38'0") | 3710 (12'2") | | 2.9 (9'6") |
| | | | | | | | | | | | | 11910 (39'2") | 3875 (12'9") | | 2.4 (7'10") |
| | | | | | | | | | | | | 12000 (39'4") | 3760 (12'4") | | 2.9 (9'6") |
| | | | | | | | | | | | | 11930 (39'2") | 3635 (11'11") | 7.0 (23'2") | 3.4 (11'2") |
| | | | | | | | | | | | | 11950 (39'2") | 3885 (12'9") | | 4.0 (13'1") |
| | | | | | | | | | | | | 11825 (38'10") | 4435 (14'7") | | 4.8 (15'9") |
| **PC550LC-8** | 4250 (13'11") | 5340 (17'6") | 1480 (4'10") | 3645 (12'0") | 3070 (10'1") | 3445 (11'4") | 780 (2'7") | 2340 (7'8") 2890*14 (9'6") | 600 (24") | 3490 (11'5") | 3050*12 (10'0") | 11635 (38'2") | 3720 (12'2") | 6.67 (21'11") | 2.4 (7'10") |
| **PC600-8E0 PC600-8R1** | 4250 (13'11") | 5340 (17'6") | 1365 (4'6") | 3950 (13'0") | 3170 (10'5") | 3290 (10'10") | 780 (2'7") | 2590 (8'6") 3300*14 (10'10") | 600 (24") | 3190 (10'6") 3900*14 (12'10") | 3435*15 (11'3") | 12910 (42'4") | 4300 (14'1") | 7.7 (25'2") | 3.5 (11'6") |
| | | | | | | | | | | | | 12830 (42'1") | 4655 (15'3") | | 4.3 (14'1") |
| | | | | | | | | | | | | 12535 (41'2") | 5235 (17 '2") | | 5.2 (17'1") |
| | | | | | | | | | | | | 12540 (41'2") | 4280 (14'1") | | 3.5 (11'6") |
| | | | | | | | | | | | | 11930 (39'2") | 4600 (15'1") | | 2.9 (9'6") |
| **PC600-8**** | 4250 (13'11") | 5340 (17'6") | 1365 (4'6") | 3800 (12'6") | 3195 (10'6") | 3290 (10'10") | 780 (2'7") | 2590 (8'6") 3300*14 (10'10") | 600 (24") | 3190 (10'6") 3900*14 (12'10") | 3435*15 (11'3") | 12440 (40'10") | 4280 (14'1") | 7.3 (23'11") | 3.5 (11'6") |
| | | | | | | | | | | | | 11830 (38'10") | 4600 (15'1") | 6.6 (21'8") | 2.9 (9'6") |
| **PC600-7*11** | 4250 (13'11") | 5340 (17'6") | 1365 (4'6") | 3800 (12'6") | 3195 (10'6") | 3290 (10'10") | 780 (2'7") | 2590 (8'6") 3300*14 (10'10") | 600 (24") | 3190 (10'6") 3900*14 (12'10") | 3435*15 (11'3") | 11830 (38'10") | 4600 (15'1") | 6.6 (21'8") | 2.9 (9'6") |
| | | | | | | | | | | | | 12440 (40'10") | 4280 (14'1") | 7.3 (23'11") | 3.5 (11'6") |
| | | | | | | | | | | | | 12810 (42'0") | 4300 (14'1") | 7.66 (25'2") | 3.5 (11'6") |
| | | | | | | | | | | | | 12730 (41'9") | 4655 (15'3") | | 4.3 (14'1") |
| | | | | | | | | | | | | 12435 (40'10") | 5235 (17'2") | | 5.2 (17'1") |
| **PC600LC-8E0 PC600LC-8R1** | 4600 (15'1") | 5690 (18'8") | 1365 (4'6") | 3900 (12'10") | 3195 (10'6") | 3290 (10'10") | 780 (2'7") | 2590 (8'6") 3300*14 (10'10") | 600 (24") | 3190 (10'6") 3900*14 (12'10") | 3435*15 (11'3") | 12910 (42'4") | 4300 (14'1") | 7.66 (25'2") | 3.5 (11'6") |
| | | | | | | | | | | | | 12830 (42'1") | 4655 (15'3") | | 4.3 (14'1") |
| | | | | | | | | | | | | 12535 (41'2") | 5235 (17 '2") | | 5.2 (17'1") |
| | | | | | | | | | | | | 12540 (41'2") | 4280 (14'1") | | 3.5 (11'6") |
| | | | | | | | | | | | | 11930 (39'2") | 4600 (15'1") | | 2.9 (9'6") |
| **PC700LC-8**** | 4600 (15'1") | 5690 (18'8") | 1365 (4'6") | 3800 (12'6") | 3195 (10'6") | 3290 (10'10") | 780 (2'7") | 2590 (8'6") 3300*14 (10'10") | 600 (24") | 3190 (10'6") 3900*14 (12'10") | 3435*15 (11'3") | 12810 (42'0") | 4300 (14'1") | 7.66 (25'2") | 3.5 (11'6") |

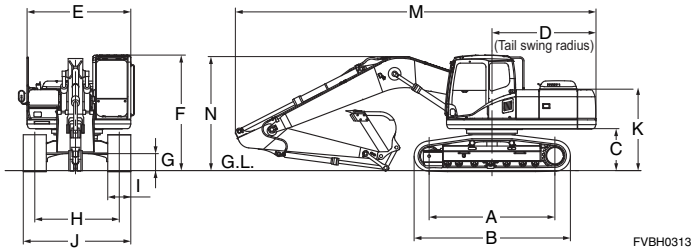
*: USA source
**: UK source
***: China source
*4: India source
*5: Thailand source
*6: Brazil source
*7: Russia source
*8: Indonesia source
*9: for USA
*10: for UK
*11: for Russia
*12: Top of engine cover
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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PC600LC-7*11** | 4600 (15'1") | 5690 (18'8") | 1365 (4'6") | 3800 (12'6") | 3195 (10'6") | 3290 (10'10") | 780 (2'7") | 2590 (8'6") 3300*14 (10'10") | 600 (24") | 3190 (10'6") 3900*14 (12'10") | 3435*15 (11'3") | 11830 (38'10") | 4600 (15'1") | 6.6 (21'8") | 2.9 (9'6") |
| | | | | | | | | | | | | 12440 (40'10") | 4280 (14'1") | 7.3 (23'11") | 3.5 (11'6") |
| | | | | | | | | | | | | 12810 (42'0") | 4300 (14'1") | | 3.5 (11'6") |
| | | | | | | | | | | | | 12730 (41'9") | 4655 (15'3") | 7.66 (25'2") | 4.3 (14'1") |
| | | | | | | | | | | | | 12435 (40'10") | 5235 (17'2") | | 5.2 (17'1") |
| **PC650LC-8E0*9** | 4600 (15'1") | 5690 (18'8") | 1365 (4'6") | 3950 (13'0") | 3170 (10'5") | 3290 (10'10") | 780 (2'7") | 2590 (8'6") 3300*14 (10'10") | 900 (35.5") | 3490 (11'6") 4200*14 (13'10") | 3435*15 (11'3") | 12960 (42'6") | 4300 (14'1") | | 3.5 (11'6") |
| | | | | | | | | | | | | 12880 (42'3") | 4655 (15'3") | 7.66 (25'2") | 4.3 (14'1") |
| | | | | | | | | | | | | 12585 (41'3") | 5235 (17'2") | | 5.2 (17'1") |
| **PC650LC-8R*** ** | 4600 (15'1") | 5690 (18'8") | 1365 (4'6") | 3950 (13'0") | 3170 (10'5") | 3290 (10'10") | 780 (2'7") | 3300 (10'10") | 600 (24") | 3190 (10'6") 3900*14 (12'10") | 3435*15 (11'3") | 12540 (41'2") | 4280 (14'1") | 7.3 (23'11") | 3.5 (11'6") |
| **PC700LC-8E0** ** | 4500 (14'9") | 5810 (19'1") | 1550 (5'1") | 3950 (13'0") | 3170 (10'5") | 3595*16 (11'10") | 830 (2'9") | 3300 (10'10") | 610 (24") | 3910 (12'10") | 3620*15 (11'11") | 11990 (39'4") | 4670 (15'4") | 6.6 (21'8") | 2.9 (9'6") |
| | | | | | | | | | | | | 12960 (41'6") | 4280 (14'1") | 7.3 (23'11") | 3.5 (11'6") |
| | | | | | | 3475 (11'5") | | | | | | 12540 (41'2") | 4350 (14'3") | 7.6 (24'11") | 3.5 (11'6") |
| **PC700LC-8E0 PC700LC-8R** | 4500 (14'9") | 5810 (19'1") | 1550 (5'1") | 3950 (13'0") | 3170 (10'5") | 3475 (11'5") | 830 (2'9") | 2590 (8'6") 3300*14 (10'10") | 610 (24") | 3190 (10'6") 3910*14 (12'10") | 3620*15 (11'11") | 12960 (42'6") | 4350 (14'3") | | 3.5 (11'6") |
| | | | | | | | | | | | | 12930 (42'5") | 4690 (15'5") | 7.66 (25'2") | 4.3 (14'1") |
| | | | | | | | | | | | | 12700 (41'8") | 5230 (17'2") | | 5.2 (17'1") |
| | | | | | | 3595*16 (11'10") | | | | | | 12580 (41'3") | 4280 (14'1") | 7.3 (23'11") | 3.5 (11'6") |
| | | | | | | | | | | | | 11990 (39'4") | 4670 (15'4") | 6.6 (21'8") | 2.9 (9'6") |
| **PC700LC-8E0*** ** | 4500 (14'9") | 5810 (19'1") | 1550 (5'1") | 3950 (13'0") | 3170 (10'5") | 3595*16 (11'10") | 830 (2'9") | 2590 (8'6") 3300*14 (10'10") | 610 (24") | 3190 (10'6") 3910*14 (12'10") | 3620*15 (11'11") | 11990 (39'4") | 4670 (15'4") | 6.6 (21'8") | 2.9 (9'6") |
| **PC800-8E0 PC800-8R1** | 4500 (14'9") | 5810 (19'1") | 1560 (5'1") | 4400 (14'5") | 3195 (10'6") | 3570 (11'9") | 840 (2'9") | 3500 (11'6") | 610 (24") | 4110 (13'6") 3390*13 (11'1") | 3670*12 (12') | 14405 (47'3") | 4690 (15'5") | | 3.6 (11'10") |
| | | | | | | | | | | | | 14435 (47'4") | 5630 (18'6") | 8.2 (26'11") | 4.6 (15'1") |
| | | | | | | | | | | | | 14115 (46'4") | 6260 (20'6") | | 5.6 (18'4") |
| **PC800-8E0 (SE spec) PC800-8R1 (SE spec)** | 4500 (14'9") | 5810 (19'1") | 1560 (5'1") | 4400 (14'5") | 3195 (10'6") | 3570 (11'9") | 840 (2'9") | 3500 (11'6") | 610 (24") | 4110 (13'6") 3390*13 (11'1") | 3670*12 (12') | 13130 (43'1") | 4615 (15'2") | 7.1 (26'11") | 2.945 (9'8") |
| **PC800-8E0**** | 4500 (14'9") | 5810 (19'1") | 1560 (5'1") | 4400 (14'5") | 3265 (10'9") | 3720 (12'2") | 840 (2'7") | 3500 (11'6") | 610 (24") | 4110 (13'6") 3390*13 (11'1") | 3665*12 (12') | 13995 (45'1") | 4850 (15'1") | 8.0 (26'3") | 3.6 (11'10") |
| | | | | | | | | | | | | 13130 (43'9") | 4615 (15'2) | 7.1 (23'4") | 2.9 (9'6") |

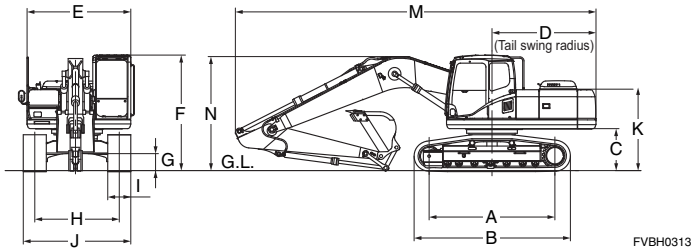
*: USA source
**: UK source
***: China source
*4: India source
*5: Thailand source
*6: Brazil source
*7: Russia source
*8: Indonesia source
*9: for USA
*10: for UK
*11: for Russia
*12: Top of engine cover
*13: When retracted
*14: When expanded
*15: Top of exhaust pipe
*16: with OPG top guard
*17: Include step



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| | A mm (ft.in) | B mm (ft.in) | C mm (ft.in) | D mm (ft.in) | E mm (ft.in) | F mm (ft.in) | G mm (ft.in) | H mm (ft.in) | I mm (in) | J mm (ft.in) | K mm (ft.in) | M mm (ft.in) | N mm (ft.in) | Boom length m (ft.in) | Arm length m (ft.in) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PC750-7*11** | 4500 (14'9") | 5810 (19'1") | 1560 (5'1") | 4300 (14'1") | 3195 (10'6") | 3560 (11'8") | 840 (2'9") | 3500 (11'6") | 610 (24") | 4110 (13'6") 3390*13 (11'1") | 3445*12 (11'4") | 14305 (46'11") | 4660 (15'3") | 8.2 (26'11") | 3.6 (11'10") |
| | | | | | | | | | | | | 13955 (45'9") | 5970 (19'7") | | 4.6 (15'1") |
| | | | | | | | | | | | | 13530 (44'5") | 6560 (21'6") | | 5.6 (18'4") |
| **PC750-7*11 (SE spec)** | 4500 (14'9") | 5810 (19'1") | 1560 (5'1") | 4300 (14'1") | 3195 (10'6") | 3640 (11'11") | 840 (2'9") | 3500 (11'6") | 610 (24") | 4110 (13'6") 3390*13 (11'1") | 3445*12 (11'4") | 13130 (43'1") | 4615 (15'2") | 7.1 (23'4") | 2.945 (9'8") |
| **PC800LC-8E0 PC800LC-8R1** | 5020 (16'6") | 6330 (20'9") | 1560 (5'1") | 4400 (14'5") | 3195 (10'6") | 3570 (11'9") | 840 (2'9") | 3500 (11'6") | 810 (32") | 4310 (14'2") 3590*13 (11'9") | 3670*12 (12'0") | 14405 (47'3") | 4690 (15'5") | 8.2 (26'11") | 3.6 (11'10") |
| | | | | | | | | | | | | 14435 (47'4") | 5630 (18'6") | | 4.6 (15'1") |
| | | | | | | | | | | | | 14115 (46'4") | 6260 (20'6") | | 5.6 (18'4") |
| **PC800LC-8E0*9** | 5020 (16'6") | 6330 (20'9") | 1560 (5'1") | 4400 (14'5") | 3195 (10'6") | 3570 (11'9") | 840 (2'9") | 3500 (11'6") | 810 (32") | 4310 (14'2") 3590*13 (11'9") | 3670*12 (12'0") | 14405 (47'3") | 4690 (15'5") | 8.2 (26'11") | 3.6 (11'10") |
| | | | | | | | | | | | | 14435 (47'4") | 5630 (18'6") | | 4.6 (15'1") |
| | | | | | | | | | | | | 14115 (46'4") | 6260 (20'6") | | 5.6 (18'4") |
| **PC800LC-8EO*9 (SE spec)** | 5020 (16'6") | 6330 (20'9") | 1560 (5'1") | 4400 (14'5") | 3195 (10'6") | 3570 (11'9") | 840 (2'9") | 3500 (11'6") | 810 (32") | 4310 (14'2") 3590*13 (11'9") | 3670*12 (12'0") | 13130 (43'1") | 4615 (15'2") | 7.1 (23'4") | 2.945 (9'8") |
| **PC800LC-8E0** | 5020 (16'6") | 6327 (20'9") | 1560 (5'1") | 4400 (14'5") | 3265 (10'9") | 3720 (12'2") | 840 (2'9") | 3500 (11'6") | 710 (28") | 4210 (13'10") 3590*13 (11'9") | 3670*12 (12'0") | 13995 (45'11") | 4850 (15'11") | 8 (26'3") | 3.6 (11'10") |
| | | | | | | | | | | | | 13130 (43'1") | 4615 (15'2") | 7.1 (23'4") | 2.9 (9'6") |
| **PC800LC-8E0 (SE spec) PC800LC-8R1 (SE spec)** | 5020 (16'6") | 6330 (20'9") | 1560 (5'1") | 4400 (14'5") | 3195 (10'6") | 3570 (11'9") | 840 (2'9") | 3500 (11'6") | 810 (32") | 4310 (14'2") 3590*13 (11'9") | 3670*12 (12'0") | 13130 (43'1") | 4615 (15'2") | 7.1 (23'4") | 2.945 (9'8") |
| **PC850-8E0 PC850-8R1** | 4500 (14'9") | 5810 (19'1") | 1560 (5'1") | 4400 (14'5") | 3195 (10'6") | 3640 (11'11") | 840 (2'9") | 3500 (11'6") | 610 (24") | 4110 (13'6") 3390*13 (11'1") | 3670*12 (12'0") | 13995 (45'11") | 4850 (15'11") | 8.04 (26'5") | 3.6 (11'10") |
| **PC850-8E0 (SE spec) PC850-8R1 (SE spec)** | 4500 (14'9") | 5810 (19'1") | 1560 (5'1") | 4400 (14'5") | 3195 (10'6") | 3640 (11'11") | 840 (2'9") | 3500 (11'6") | 610 (24") | 4110 (13'6") 3390*13 (11'1") | 3670*12 (12'0") | 13130 (43'1") | 4615 (15'2") | 7.1 (23'4") | 2.9 (9'6") |
| **PC800-7*7** | 4500 (14'9") | 5810 (19'1") | 1560 (5'1") | 4300 (14'1") | 3195 (10'6") | 3640 (11'11") | 840 (2'9") | 3500 (11'6") | 610 (24") | 4110 (13'6") 3390*13 (11'1") | 3445*12 (11'4") | 13895 (45'7") | 4850 (15'11") | 8.04 (26'5") | 3.6 (11'10") |
| **PC800-7*7 (SE spec)** | 4500 (14'9") | 5810 (19'1") | 1560 (5'1") | 4300 (14'1") | 3195 (10'6") | 3640 (11'11") | 840 (2'9") | 3500 (11'6") | 610 (24") | 4110 (13'6") 3390*13 (11'1") | 3445*12 (11'4") | 13030 (42'9") | 4615 (15'2") | 7.1 (23'4") | 2.9 (9'6") |

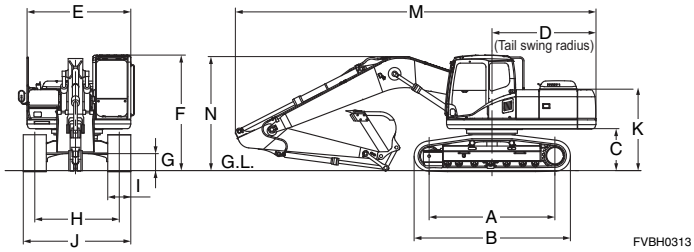
*: USA source
**: UK source
***: China source
*4: India source
*5: Thailand source
*6: Brazil source
*7: Russia source
*8: Indonesia source
*9: for USA
*10: for UK
*11: for Russia
*12: Top of engine cover
*13: When retracted
*14: When expanded
*15: Top of exhaust pipe
*16: with OPG top guard
*17: Include step



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| | A mm (ft.in) | B mm (ft.in) | C mm (ft.in) | D mm (ft.in) | E mm (ft.in) | F mm (ft.in) | G mm (ft.in) | H mm (ft.in) | I mm (in) | J mm (ft.in) | K mm (ft.in) | M mm (ft.in) | N mm (ft.in) | Boom length m (ft.in) | Arm length m (ft.in) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PC1250-8**<br>**PC1250-8R** | 4995 (16'5") | 6425 (21'1") | 1790 (5'11") | 4870 (16'0") | 3470 (11'5") | 4120 (13'6") | 990 (3'3") | 3900 (12'9") | 700 (28") | 4600 (15'1")<br>4965*17 (16'3") | 4075*12 (13'4") | 16020 (52'7") | 6040 (19'10") | 9.1 (29'10") | 3.4 (11'2") |
| | | | | | | | | | | | | 16050 (52'8") | 6460 (21'2") | | 4.5 (14'9") |
| | | | | | | | | | | | | 15840 (52'0") | 6990 (22'11") | | 5.7 (18'8") |
| **PC1250-8R*8** | 4995 (16'5") | 6425 (21'1") | 1790 (5'11") | 4870 (16'0") | 3470 (11'5") | 4120 (13'6") | 990 (3'3") | 3900 (12'9") | 700 (28") | 4600 (15'1")<br>4965*17 (16'3") | 4075*12 (13'4") | 14790 (48'6") | 6040 (19'10") | 7.8 (25'7") | 3.4 (11'2") |
| **PC1250-7** | 4995 (16'5") | 6425 (21'1") | 1790 (5'11") | 4870 (16'0") | 3470 (11'5") | 4120 (13'6") | 990 (3'3") | 3900 (12'9") | 700 (28") | 4600 (15'1")<br>4965*17 (16'3") | 3925*12 (12'11") | 16020 (52'7") | 6040 (19'10") | 9.1 (29'10") | 3.4 (11'2") |
| | | | | | | | | | | | | 16050 (52'8") | 6500 (21'4") | | 4.5 (14'9") |
| | | | | | | | | | | | | 15840 (52'0") | 6990 (22'11") | | 5.7 (18'8") |
| **PC1250LC-8** | 5970 (19'7") | 7400 (24'3") | 1790 (5'11") | 4870 (16'0") | 3470 (11'5") | 4120 (13'6") | 990 (3'3") | 3900 (12'9") | 1000 (39") | 4900 (16'1")<br>5265*17 (17'3") | 4075*12 (13'4") | 16020 (52'7") | 6040 (19'10") | 9.1 (29'10") | 3.4 (11'2") |
| | | | | | | | | | | | | 16050 (52'8") | 6460 (21'2") | | 4.5 (14'9") |
| | | | | | | | | | | | | 15840 (52'0") | 6990 (22'11") | | 5.7 (18'8") |
| **PC1250-8**<br>**(SP spec)**<br>**PC1250-8R**<br>**(SP spec)** | 4995 (16'5") | 6425 (21'1") | 1790 (5'11") | 4870 (16'0") | 3470 (11'5") | 4120 (13'6") | 990 (3'3") | 3900 (12'9") | 700 (28") | 4600 (15'1")<br>4965*17 (16'3") | 4075*12 (13'4") | 14790 (48'6") | 6265 (20'7") | 7.8 (25'7") | 3.4 (11'2") |
| **PC1250-7**<br>**(SP spec.)** | 4995 (16'5") | 6425 (21'1") | 1790 (5'11") | 4810 (15'9") | 3470 (11'5") | 4120 (13'6") | 990 (3'3") | 3900 (12'9") | 700 (28") | 4600 (15'1")<br>4965*17 (16'3") | 3925*12 (12'11") | 14790 (48'6") | 6265 (20'7") | 7.8 (25'7") | 3.4 (11'2") |
| **PC2000-8**<br>**PC2000-8*8** | 5780 (19') | 7445 (24'5") | 2095 (6'10") | 5980 (19'7") | 7490 (24'7") | 7030 (23'1") | 825 (2'8") | 4600 (15'1") | 810 (32") | 5410 (17'9") | 5970*12 (19'7") | 17030 (55'11") | 7135 (23'5") | 8.7 (28'7") | 3.9 (12'10") |

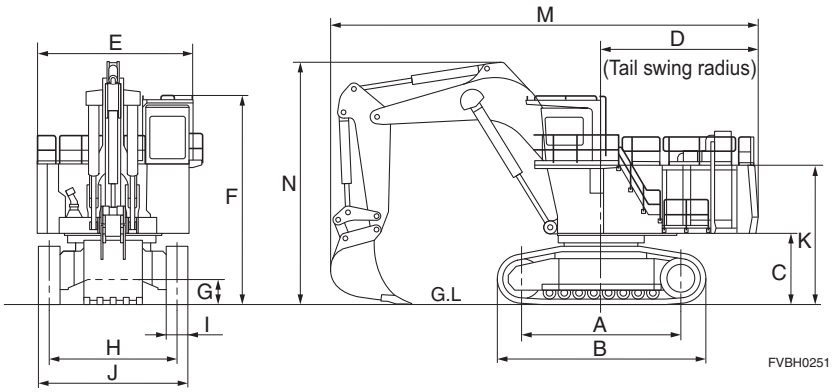
*: USA source
**: UK source
***: China source
*4: India source
*5: Thailand source
*6: Brazil source
*7: Russia source
*8: Indonesia source
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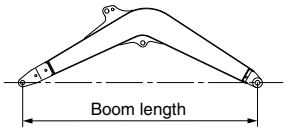

| | A mm (ft.in) | B mm (ft.in) | C mm (ft.in) | D mm (ft.in) | E mm (ft.in) | F mm (ft.in) | G mm (ft.in) | H mm (ft.in) | I mm (in) | J mm (ft.in) | K mm (ft.in) | M mm (ft.in) | N mm (ft.in) | Boom length m (ft.in) | Arm length m (ft.in) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PC3000-6** | 6000 (19'8") | 7930 (26'0") | 2670 (8'9") | 6410 (21'0") | 6070 (19'11") | 7455 (24'6") | 935 (3'1") | 4800 (15'9") | 800 (31.5") | 5600 (18'4") | 5255 (17'3") | 16700 (54'10") | 8300 (27'3") | 8.6 (28'3") | 4.0 (13'1") |
| **PC4000-6** | 6700 (22'0") | 8842 (29'0") | 3017 (9'11") | 6500 (21'4") | 7399 (24'3") | 8300 (27'3") | 930 (3'1") | 5550 (18'3") | 1200 (47") | 8300 (27'3") | 6102 (20'0") | 18000 (59'1") | 10000 (32'10") | 9.75 (32'0") | 4.5 (14'9") |
| **PC5500-6** | 7424 (24'4") | 9720 (31'11") | 3310 (10'10") | 7550 (24'9") | 7270 (23'10") | 8610 (28'3") | 995 (3'3") | 6190 (20'4") | 1350 (53") | 7540 (24'9") | 6410 (21'0") | 20800 (68'3") | 11100 (36'5") | 11.0 (36'1") | 5.1 (16'9") |
| **PC8000-6** | 8100 (26'7") | 10735 (35'3") | 3615 (11'10") | 8710 (28'7") | 8300 (27'3") | 9655 (31'8") | 1065 (3'6") | 6830 (22'5") | 1500 (59") | 8330 (27'4") | 7115 (23'4") | 23200 (76'1") | 13000 (42'8") | 11.5 (37'9") | 5.5 (18'1") |

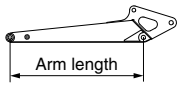


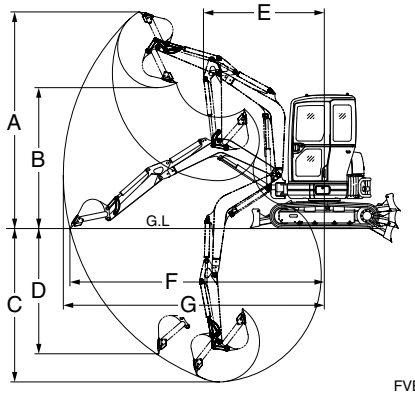
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| | Boom length m (ft.in) | Arm length m (ft.in) | A mm (ft.in) | B mm (ft.in) | C mm (ft.in) | D mm (ft.in) | E mm (ft.in) | F mm (ft.in) | G mm (ft.in) | Bucket digging force kg (lb/kN)* | Arm crowd force kg (lb/kN)* |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **PC09-1** | 1.357 (4'5") | 0.684 (2'3") | 2790 (9'2") | 1990 (6'6") | 1500 (4'11") | 1170 (3'10") | 1050 (3'5") | 2760 (9'11") | 2840 (9'4") | 1075 (2,370/10.5) | 600 (1,320/5.9) |
| **PC14R-3**** | 1.62 (5'4") | 0.88 (2'11") | 3285 (10'9") | 2295 (7'6") | 2000 (6'7") | 1450 (4'9") | 1485 (4'10") | 3545 (11'8") | 3635 (11'11") | 1210 (2,680/11.9) | 750 (1,650/7.35) |
| | | 1.13 (3'8") | 3430 (11'3") | 2440 (8'0") | 2250 (7'5") | 1810 (5'11") | 1540 (5'1") | 3785 (12'5") | 3865 (12'8") | | 585 (1,290/5.7) |
| **PC16R-3**** | 1.76 (5'9") | 0.965 (3'2") | 3610 (11'10") | 2610 (8'7") | 2160 (7'1)" | 1785 (5'10") | 1470 (4'10") | 3735 (12'3") | 3825 (12'7") | 1450 (3,190/14.2) | 920 (2,020/9.0) |
| | | 1.215 (4'0") | 3820 (12'6") | 2815 (9'3") | 2410 (7'11") | 2000 (6'7") | 1570 (5'2") | 3990 (13'1") | 4070 (13'4") | | 730 (1,610/7.16) |
| **PC18MR-3** | 1.76 (5'9") | 0.965 (3'2") | 3615 (11'10") | 2610 (8'8") | 2160 (7'1") | 1785 (5'10") | 1670 (5'6") | 3935 (12'11") | 4025 (13'2") | 1620 (3,570/15.9) | 1010 (2,225/9.9) |
| | | 1.215 (4'0") | 3820 (12'6") | 2815 (9'3") | 2410 (7'11") | 2000 (6'7") | 1770 (5'10") | 4190 (13'9") | 4270 (14'0") | | 865 (1,910/8.5) |
| **PC18MR-3**** | 1.76 (5'9") | 0.965 (3'2") | 3615 (11'10") | 2610 (8'8") | 2160 (7'1") | 1785 (5'10") | 1670 (5'6") | 3935 (12'11") | 4025 (13'2") | 1620 (3,570/15.9) | 1010 (2,230/9.9) |
| | | 1.215 (4'0") | 3820 (12'6") | 2815 (9'3") | 2410 (7'11") | 2000 (6'7") | 1770 (5'10") | 4190 (13'9") | 4270 (14'0") | | 865 (1,910/8.5) |
| **PC20MR-3** | 1.81 (5'11") | 0.97 (3'2") | 4000 (13'1") | 2760 (9'1") | 2280 (7'6") | 1860 (6'1") | 1790 (5'10") | 4000 (13'1") | 4150 (13'7") | 1920 (4,230/18.8) | 1390 (3,065/13.6) |
| | | 1.32 (4'4") | 4300 (14'1") | 3020 (9'11") | 2580 (8'6") | 2215 (7'3") | 1940 (6'4") | 4350 (14'3") | 4500 (14'9") | | 1140 (2,510/11.2) |
| **PC22MR-3**** | 1.81 (5'11") | 0.97 (3'2") | 4000 (13'1") | 2760 (9'1") | 2280 (7'6") | 1860 (6'1") | 1790 (5'10") | 4000 (13'1") | 4150 (13'7") | 1920 (4,230/18.8) | 1390 (3,065/13.6) |
| | | 1.32 (4'4") | 4300 (14'1") | 3020 (9'11") | 2580 (8'6") | 2215 (7'3") | 1940 (6'4") | 4350 (14'3") | 4500 (14'9") | | 1150 (2,540/11.3) |
| **PC26MR-3**** | 2.2 (7'3") | 1.115 (3'8") | 4170 (13'8") | 2960 (9'9") | 2740 (8'1") | 1540 (5'1") | 1960 (6'5") | 4280 (14'1") | 4430 (14'6") | 2245 (4,950/22.0) | 1430 (3,150/14.0) |
| | | 1.37 (4'6") | 4340 (14'3") | 3120 (10'3") | 2720 (8'11") | 1760 (5'9") | 2060 (6'9") | 4530 (14'10") | 4660 (15'3") | | 1235 (2,720/12.1) |
| **PC27MR-3** | 2.18 (7'2") | 1.10 (3'8") | 4480 (14'8") | 3190 (10'6") | 2550 (8'4") | 2080 (6'10") | 1980 (6'6") | 4550 (14'11") | 4650 (15'3") | 2230 (4,920/21.9) | 1500 (3,310/14.7) |
| | | 1.37 (4'6") | 4690 (15'5") | 3390 (11'1") | 2840 (9'4") | 2370 (7'9") | 2030 (6'8") | 4840 (15'11") | 4930 (16'2") | | 1243 (2,840/12.1) |
| **PC30MR-3** | 2.285 (7'6") | 1.24 (4'1") | 4840 (15'11") | 3350 (11'0") | 2760 (9'1") | 2400 (7'10") | 2055 (6'9") | 4910 (16'1") | 5050 (16'7") | 3000 (6,615/29.4) | 1800 (3,970/17.7) |
| | | 1.61 (5'5") | 5070 (16'8") | 3580 (11'9") | 3130 (10'3") | 2770 (9'1") | 2190 (7'2") | 5215 (17'1") | 5390 (17'8") | | 1500 (3,310/14.7) |
| **PC30MR-3**** | 2.285 (7'6") | 1.24 (4'1") | 4840 (15'11") | 3350 (11'0") | 2760 (9'1") | 2400 (7'10") | 2055 (6'9") | 4910 (16'1") | 5050 (16'7") | 3000 (6,615/29.4) | 1800 (3,970/17.7) |
| | | 1.61 (5'5") | 5070 (16'8") | 3580 (11'9") | 3130 (10'3") | 2770 (9'1") | 2190 (7'2") | 5215 (17'1") | 5390 (17'8") | | 1520 (3,350/14.9) |
| **PC35MR-3** | 2.54 (8'4") | 1.37 (4'6") | 5000 (16'5") | 3530 (11'7") | 3110 (10'2") | 2690 (8'10") | 2030 (6'8") | 5170 (17'0") | 5300 (17'5") | 3050 (6,725/29.9) | 2100 (4,630/20.6) |
| | | 1.72 (5'8") | 5270 (17'3") | 3790 (12'5") | 3455 (11'4") | 3120 (10'3") | 2140 (7'0") | 5520 (18'1") | 5640 (18'6") | | 1760 (3,880/17.3) |
| **PC35MR-3**** | 2.54 (8'4") | 1.37 (4'6") | 5000 (16'5") | 3530 (11'7") | 3110 (10'2") | 2690 (8'10") | 2030 (6'8") | 5170 (17'0") | 5300 (17'5") | 3050 (6,725/29.9) | 2100 (4,630/20.6) |
| | | 1.72 (5'8") | 5270 (17'3") | 3790 (12'5") | 3455 (11'4") | 3120 (10'3") | 2140 (7'0") | 5520 (18'1") | 5640 (18'6") | | 1670 (3,680/16.4) |
| **PC45MR-3** | 2.64 (8'8") | 1.375 (4'6") | 5515 (18'1") | 3785 (12'5") | 3350 (11'0") | 2645 (8'8") | 2340 (7'8") | 5575 (18'3") | 5735 (18'10") | 3460 (7,630/33.9) | 2200 (4,850/21.6) |
| | | 1.77 (6'0") | 5780 (19'0") | 4060 (13'4") | 3770 (12'4") | 3060 (10'0") | 2410 (7'11") | 5980 (19'7") | 6130 (20'1") | | 1980 (4,370/19.4) |
| **PC45MR-3**** | 2.64 (8'8") | 1.375 (4'6") | 5515 (18'1") | 3785 (12'5") | 3350 (11'0") | 2645 (8'8") | 2340 (7'8") | 5575 (18'3") | 5735 (18'10") | 3460 (7,630/33.9) | 2200 (4,850/21.6) |
| | | 1.77 (6'0") | 5780 (19'0") | 4060 (13'4") | 3770 (12'4") | 3060 (10'0") | 2410 (7'11") | 5980 (19'7") | 6130 (20'1") | | 2000 (4,410/19.6) |

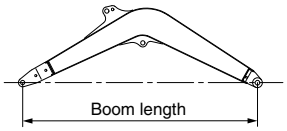
* ISO rating
** Italy source
*** China source

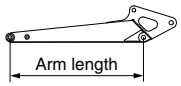


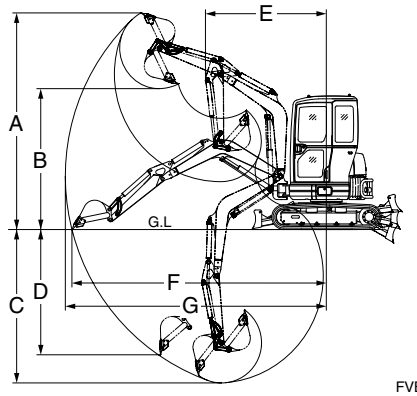
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| | Boom length m (ft.in) | Arm length m (ft.in) | A mm (ft.in) | B mm (ft.in) | C mm (ft.in) | D mm (ft.in) | E mm (ft.in) | F mm (ft.in) | G mm (ft.in) | Bucket digging force kg (lb/kN)* | Arm crowd force kg (lb/kN)* |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **PC55MR-3** | 2.90 (9'6") | 1.64 (5'5") | 5945 (19'6") | 4230 (13'11") | 3800 (12'6") | 3020 (9'11") | 2270 (7'5") | 6070 (19'11") | 6220 (20'5") | 3980 (8,775/39.0) | 2440 (5,380/23.9) |
| | | 2.0 (6'3") | 6215 (20'5") | 4495 (14'9") | 4160 (13'8") | 3380 (11'1") | 2380 (7'10") | 6430 (21'1") | 6570 (21'7") | | 2150 (4,740/23.9) |
| **PC55MR-3**** | 2.90 (9'6") | 1.64 (5'5") | 5945 (19'6") | 4230 (13'11") | 3800 (12'6") | 3020 (9'11") | 2270 (7'5") | 6070 (19'11") | 6220 (20'5") | 3980 (8,775/39.0) | 2440 (5,380/23.9) |
| | | 2.0 (6'3") | 6215 (20'5") | 4495 (14'9") | 4160 (13'8") | 3380 (11'1") | 2380 (7'10") | 6430 (21'1") | 6570 (21'7") | | 2270 (5,000/22.3) |
| **PC56-7***** | 2.9 (9'6") | 1.64 (5'5") | 5850 (19'2") | 4160 (13'8") | 3800 (12'6") | 3020 (9'11") | 2340 (7'8") | 5950 (19'6") | 6120 (20'1") | 3980 (8,770/39.0) | 2440 (5,380/23.9) |

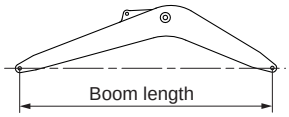
* ISO rating
** Italy source
*** China source

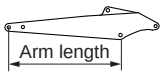


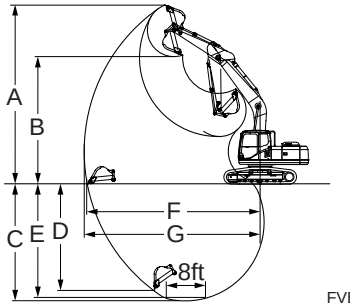
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| | Boom length m (ft.in) | Arm length m (ft.in) | A mm (ft.in) | B mm (ft.in) | C mm (ft.in) | D mm (ft.in) | E mm (ft.in) | F mm (ft.in) | G mm (ft.in) | Bucket digging force*1 kg (lb/kN) | Arm crowd force*1 kg (lb/kN) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **PC60-8*** ** | 3.65 (12'0") | 1.55 (5'1") | 7030 (23'1") | 4925 (16'2") | 3900 (12'10") | 3350 (11'0") | 3555 (11'8") | 6045 (19'10") | 6190 (20'4") | 5590*2 (12,320/54.8) | 4060*2 (8,950/39.8) |
| **PC70-8 PC70-8*** ** | 3.71 (12'2") | 1.65 (5'5") | 7150 (23'5") | 5015 (16'5") | 4100 (13'5") | 3505 (11'6") | 3755 (12'4") | 6220 (20'5") | 6360 (20'10") | 5590*2 (12,320/54.8) | 3900*2 (8,600/38.2) |
| **PC71-7** | 3.71 (12'2") | 1.65 (5'5") | 7150 (23'5") | 5015 (16'5") | 4100 (13'5") | 3505 (11'6") | 3755 (12'4") | 6220 (20'5") | 6360 (20'10") | 4800*2 (10,580/47.1) | 3600*2 (7,940/35.3) |
| | | 2.25 (7'5") | 7515 (24'8") | 5420 (17'9") | 4690 (15'5") | 3265 (10'9") | 4460 (14'8") | 6770 (22'3") | 6900 (22'8") | | 3050*2 (6,720/29.9) |
| **PC78US-8** | 3.71 (12'2") | 1.65 (5'5") | 7300 (23'11") | 5180 (17'0") | 4100 (13'5") | 3610 (11'10") | 3770 (12'4") | 6240 (20'6") | 6380 (20'11") | 6250*2 (13,780/61.3) | 4230*2 (9,330/41.5) |
| | | 2.25 (7'5") | 7600 (24'11") | 5500 (18'0") | 4710 (15'5") | 4030 (13'3") | 4430 (14'6") | 6790 (22'3") | 6920 (22'8") | | 3520*2 (7,760/34.5) |
| **PC80MR-3** | 3.2 (10'6") | 1.65 (5'5") | 6298 (20'8") | 4429 (14'6") | 4000 (13'1") | 2584 (8'6") | 3609 (11'10") | 6614 (21'8") | 6792 (22'3") | 5970*2 (13,160/58.6) | 3990*2 (8,800/39.1) |
| | | 2.0 (6'7") | 6520 (21'5") | 4631 (15'2") | 4350 (14'3") | 2890 (9'6") | | 6958 (22'10") | 7126 (23'5") | | |
| **PC88MR-8** | 3.4 (11'2") | 1.65 (5'5") | 6570 (21'7") | 4515 (14'10") | 4160 (13'8") | 2900 (9'6") | 3765 (12'4") | 6725 (22'1") | 6935 (22'9") | 6250*2 (13,780/61.3) | 4230*2 (9,330/41.5) |
| | | 2.1 (6'11") | 6750 (22'2") | 4720 (15'6") | 4615 (15'2") | 3165 (10'5") | 4250 (13'11") | 7150 (23'5") | 7345 (24'1") | | 3700*2 (8,160/36.3) |
| **PC88MR-8*9** | 3.4 (11'2") | 1.65 (5'5") | 6570 (21'7") | 4515 (14'10") | 4160 (13'8") | 2900 (9'6") | 3765 (12'4") | 6725 (22'1") | 6935 (22'9") | 6525*2 (14,390/64.0) | 4230*2 (9,330/41.5) |
| | | 2.1 (6'11") | 6750 (22'2") | 4720 (15'6") | 4615 (15'2") | 3165 (10'5") | 4250 (13'11") | 7150 (23'5") | 7345 (24'1") | | 3700*2 (8160/36.3) |
| **PC110-7*** ** | 4.26 (14'0") | 2.26 (7'5") | 7910 (25'11") | 5650 (18'6") | 5060 (16'7") | 4570 (15'0") | 4730 (15'6") | 7600 (24'11") | 7730 (25'4") | 9400*2 (20,720/92.2) | 6100*2 (13,450/59.8) |
| **PC118MR-8** | 3.5 (11'5") | 2.0 (6'7") | 6590 (21'7") | 4920 (16'2") | 4450 (14'7") | 2522 (8'3") | - | 7285 (23'11") | 7515 (24'8") | 7310*2 (16,120/71.7) | 4700*2 (10,360/46.1) |
| | | 2.3 (7'7") | 6740 (22'1") | 5070 (16'8") | 4750 (15'7") | 2800 (9'2") | - | 7575 (24'10") | 7795 (25'7") | | 4170*2 (9190/41) |
| **PC118MR-8 (Two-piece boom)** | 3.855 (12'6") | 2.0 (6'7") | 8250 (27'1") | 3135 (10'3") | 4520 (14'10") | 3490 (11'5") | - | 7750 (25'5") | 7950 (26'1") | 7310*2 (16,120/71.7) | 4700*2 (10,360/46.1) |
| | | 2.3 (7'7") | 8390 (27'6") | 3235 (10'7") | 4670 (15'4") | 3635 (11'11") | - | 7900 (25'11") | 8100 (26'7") | | 4170*2 (9190/41) |
| **PC130-8 PC130-8*5** | 4.6 (15'1") | 2.5 (8'2") | 8650 (28'5") | 6210 (20'5") | 5520 (18'1") | 4980 (16'4") | 5320 (17'5") | 8170 (26'10") | 8290 (27'2") | 9520 (21,000/93.4) | 6880 (15,170/67.5) |
| | | 3.0 (9'10") | 8930 (29'4") | 6615 (21'8") | 5955 (19'6") | 5365 (17'7") | 5775 (18'11") | 8595 (28'2") | 8720 (28'7") | | 6050 (13,340/59.3) |
| **PC130-8*6** | 4.6 (15'1") | 2.5 (8'2") | 8650 (28'5") | 6210 (20'5") | 5520 (18'1") | 4980 (16'4") | 5320 (17'5") | 8170 (26'10") | 8290 (27'2") | 9520 (21,000/93.4) | 6050 (13,340/59.3) |
| **PC130-7*4** | 4.6 (15'1") | 2.1 (6'11") | 8345 (27'4") | 5905 (19'4") | 5115 (16'9") | 4520 (14'9") | 4875 (15'11") | 7795 (25'6") | 7925 (26'0") | 9500 (20,940/93.2) | 7900 (17,420/77.5) |
| | | 2.5 (8'2") | 8610 (28'3") | 6170 (20'3") | 5520 (18'1") | 4940 (16'2") | 5315 (17'5") | 8170 (26'10") | 8290 (27'2") | | 6900 (15,210)/67.7) |
| **PC130-7*** ** | 4.6 (15'1") | 2.1 (6'11") | 8345 (27'5") | 5905 (19'4") | 5115 (16'9") | 4520 (14'10") | 4875 (16') | 7795 (25'7") | 7925 (26') | 9500 (20,940/93.2) | 7900 (17,420/77.5) |
| | | 2.5 (8'2") | 8610 (28'3") | 6170 (20'3") | 5520 (18'1") | 4940 (16'2") | 5315 (17'5") | 8170 (26'10") | 8290 (27'2") | | 6900 (15,210/67.7) |
| | | 2.9 (9'6") | 8970 (29'5") | 6535 (21'5") | 6015 (19'9") | 5360 (17'7") | 5835 (19'2") | 8665 (28'5") | 8785 (28'10") | | 6200 (13,670/60.8) |
| **PC130F-7** | 4.26 (14'0") | 2.36 (7'9") | 7970 (26'2") | 5700 (18'8") | 5060 (16'7") | 4500 (14'9") | | 7750 (25'5") | 7875 (25'10") | | |
| | | 3.0 (9'10") | 8790 (28'10") | 6535 (21'5") | 6015 (19'9") | 5360 (17'7") | | 8665 (28'5") | 8785 (28'10") | | |
| **PC138US-8 PC138USLC-8** | 4.6 (15'1") | 2.1 (6'11") | 9020 (29'7") | 6525 (21'5") | 5070 (16'8") | 4490 (14'9") | 4830 (15'10") | 7805 (25'7") | 7930 (26'0") | 9000*2 (19,840/88.3) | 7300*2 (16,090/71.6) |
| | | 2.5 (8'2") | 9340 (30'8") | 6840 (22'5") | 5480 (18'0") | 4900 (16'1") | 5265 (17'3") | 8180 (26'10") | 8300 (27'0") | 9500*2 (20,950/93.2) | 6300*2 (13,890/61.8) |
| | | 3.0 (9'10") | 9700 (31'10") | 7350 (24'1") | 5900 (19'4") | 5340 (17'6") | 5715 (18'9") | 8600 (28'3") | 8720 (28'7") | 9000*2 (19,840/88.3) | 5700*2 (12,750/55.9) |
| **PC138USLC-10*9** | 4.6 (15'1") | 2.5 (8'2") | 9340 (30'8") | 6840 (22'5") | 5480 (18'0") | 4900 (16'1") | 5265 (17'3") | 8180 (26'10") | 8300 (27'3") | 9500*2 (20,940/93.2) | 6300*2 (13,890/61.8) |
| | | 3.0 (9'10") | 9700 (31'10") | 7350 (24'1") | 5900 (19'4") | 6340 (20'10") | 5715 (18'9") | 8600 (28'3") | 8720 (28'7") | 9000*2 (19,840/88.3) | 5700*2 (12,750/55.9) |

*: USA source
**: UK source
***: China source
*4: India source
*5: Thailand source
*6: Brazil source
*7: Russia source
*8: Indonesia source
*9: Italy source
*10: for USA
*11: for UK
*12: for Russia

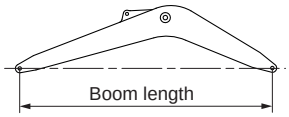
*1: Using Power Max. function and ISO rating
*2: Normal digging force

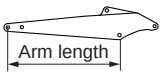


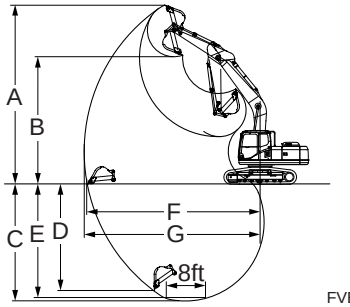
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| | Boom length m (ft.in) | Arm length m (ft.in) | A mm (ft.in) | B mm (ft.in) | C mm (ft.in) | D mm (ft.in) | E mm (ft.in) | F mm (ft.in) | G mm (ft.in) | Bucket digging force*1 kg (lb/kN) | Arm crowd force*1 kg (lb/kN) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **PC160LC-8 PC160LC-8** PC160LC-8*5** | 5.15 (16'11") | 2.25 (7'5") | 8910 (29'3") | 6280 (20'7") | 5610 (18'5") | 4860 (15'11") | 5375 (17'8") | 8510 (27'11") | 8680 (28'6") | 12500 (27,560/123) | 9700 (21,380/95.1) |
| | | 2.61 (8'6") | 8980 (29'6") | 6370 (20'11") | 5960 (19'6") | 5040 (16'6") | 5740 (18'10") | 8800 (28'10") | 8960 (29'6") | | 8800 (19,400/86.3) |
| | | 2.9 (9'6") | 9130 (29'11") | 6525 (21'5") | 6250 (20'6") | 5320 (17'5") | 6050 (19'10") | 9075 (29'9") | 9235 (30'4") | | 8100 (17,860/79.4) |
| **PC160LC-7*** ** | 5.15 (16'11") | 2.25 (7'5") | 8910 (29'3") | 6280 (20'7") | 5610 (18'5") | 4860 (15'11") | 5375 (17'8") | 8510 (27'11") | 8680 (28'6") | 12500 (27,560/123) | 9700 (21,380/95.1) |
| | | 2.61 (8'6") | 8980 (29'6") | 6370 (20'11") | 5960 (19'6") | 5040 (16'6") | 5740 (18'10") | 8800 (28'10") | 8960 (29'6") | | 8800 (19,400/86.3) |
| | | 2.9 (9'6") | 9130 (29'11") | 6525 (21'5") | 6250 (20'6") | 5320 (17'5") | 6050 (19'10") | 9075 (29'9") | 9235 (30'4") | | 8100 (17,860/79.4) |
| **PC190LC-8** | 5.35 (17'7") | 2.25 (7'5") | 9030 (29'8") | 6415 (21'1") | 5630 (18'6") | 4990 (16'4") | 5410 (17'9") | 8730 (28'8") | 8890 (29'2") | 12500 (27,560/123) | 9700 (21,380/95.1) |
| | | 2.6 (8'6") | 9105 (29'10") | 6505 (21'4") | 5985 (19'8") | 5180 (17'0") | 5780 (19'0") | 9020 (29'7") | 9180 (30'1") | | 8800 (19,400/86.3) |
| | | 2.9 (9'6") | 9255 (30'4") | 6655 (21'10") | 6275 (20'7") | 5475 (18'0") | 6090 (20'0") | 9295 (30'6") | 9445 (31'0") | | 8100 (17,860/79.4) |
| **PC190LC-8 (Two-piece boom)** | 5.07 (16'8") | 2.25 (7'5") | 9420 (30'11") | 6755 (22'2") | 5185 (17'0") | 4225 (13'10") | 5060 (17'7") | 8465 (27'9") | 8635 (28'4") | 12500 (27,560/123) | 9700 (21,380/95.1) |
| | | 2.6 (8'6") | 9575 (31'5") | 6910 (22'8") | 5515 (18'1") | 4530 (14'10") | 5400 (17'9") | 8765 (28'9") | 8930 (29'4") | | 8800 (19,400/86.3) |
| | | 2.9 (9'6") | 9760 (32'0") | 7100 (23'4") | 5800 (29'0") | 4845 (15'11") | 5690 (18'8") | 9040 (29'8") | 9200 (30'2") | | 8100 (17,860/79.4) |
| **HB205-1 HB215LC-1 HB215LC-1**** | 5.7 (18'8") | 2.925 (9'7") | 10000 (32'10") | 7110 (23'4") | 6620 (21'9") | 5980 (19'7") | 6370 (20'11") | 9700 (31'10") | 9875 (32'5") | 15200 (33,510/149) | 11000 (24,250/108) |
| **PC200-8 PC200LC-8 PC200-8*7 PC200LC-8*7** | 5.7 (18'8") | 1.84 (6'0") | 9500 (31'2") | 6630 (21'9") | 5380 (17'8") | 4630 (15'2") | 5130 (16'0") | 8660 (28'5") | 8850 (29'1") | 18000*3 (39,680/177) | 14800 (32,630/145) |
| | | 2.41 (7'11") | 9800 (32'2") | 6890 (22'7") | 6095 (20'0") | 5430 (17'10") | 5780 (19'0") | 9190 (30'2") | 9380 (30'9") | 15200 (33,510/149) | 13000 (28,660/127) |
| | | 2.925 (9'7") | 10000 (32'10") | 7110 (23'4") | 6620 (21'9") | 5980 (19'7") | 6370 (20'11") | 9700 (31'10") | 9875 (32'5") | | 11000 (24,250/108) |
| **PC200-8*8** | 5.7 (18'8") | 2.925 (9'7") | 10000 (32'10") | 7110 (23'4") | 6620 (21'9") | 5980 (19'7") | 6370 (20'11") | 9700 (31'10") | 9875 (32'5") | 15200 (33,510/149) | 11000 (24,250/108) |
| **PC200-8M0 PC200LC-8M0 PC200-8M0*5 PC200LC-8M0*5** | 5.7 (18'8") | 1.84 (6'0") | 9500 (31'2") | 6630 (21'9") | 5380 (17'8") | 4630 (15'2") | 5130 (16'0") | 8660 (28'5") | 8850 (29'1") | 18000*3 (39,680/177) | 14800 (32,630/145) |
| | | 2.41 (7'11") | 9800 (32'2") | 6890 (22'7") | 6095 (20'0") | 5430 (17'10") | 5780 (19'0") | 9190 (30'2") | 9380 (30'9") | 15200 (33,510/149) | 13000 (28,660/127) |
| | | 2.925 (9'7") | 10000 (32'10") | 7110 (23'4") | 6620 (21'9") | 5980 (19'7") | 6370 (20'11") | 9700 (31'10") | 9875 (32'5") | | 11000 (24,250/108) |
| **PC200-8*** PC200LC-8*** PC210-8*** PC210LC-8*** ** | 5.7 (18'8") | 1.84 (6'0") | 9500 (31'2") | 6630 (21'9") | 5380 (17'8") | 4630 (15'2") | 5130 (16'0") | 8660 (28'5") | 8850 (29'1") | 18000*3 (39,680/177) | 14800 (32,630/145) |
| | | 2.41 (7'11") | 9800 (32'2") | 6890 (22'7") | 6095 (20'0") | 5430 (17'10") | 5780 (19'0") | 9190 (30'2") | 9380 (30'9") | 15200 (33,510/149) | 13000 (28,660/127) |
| | | 2.925 (9'7") | 10000 (32'10") | 7110 (23'4") | 6620 (21'9") | 5980 (19'7") | 6370 (20'11") | 9700 (31'10") | 9875 (32'5") | | 11000 (24,250/108) |
| **PC200-8*6** | 5.7 (18'8") | 2.41 (7'11") | 9800 (32'2") | 6890 (22'7") | 6095 (20'0") | 5430 (17'10") | 5780 (19'0") | 9190 (30'2") | 9380 (30'9") | 15200 (33,510/149) | 13000 (28,660/127) |
| | | 2.925 (9'7") | 10000 (32'10") | 7110 (23'4") | 6620 (21'9") | 5980 (19'7") | 6370 (20'11") | 9700 (31'10") | 9875 (32'5") | | 11000 (24,250/108) |
| **PC200LC-8*6** | 5.7 (18'8") | 2.41 (7'11") | 9800 (32'2") | 6890 (22'7") | 6095 (20'0") | 5430 (17'10") | 5780 (19'0") | 9190 (30'2") | 9380 (30'9") | 15200 (33,510/149) | 13000 (28,660/127) |
| **PC200-7** | 5.7 (18'8") | 1.84 (6'0") | 9500 (31'2") | 6630 (21'9") | 5380 (17'8") | 4630 (15'2") | 5130 (16'0") | 8660 (28'5") | 8850 (29'1") | 18000*3 (39,680/177) | 14800 (32,630/145) |
| | | 2.41 (7'11") | 9800 (32'2") | 6890 (22'7") | 6095 (20'0") | 5430 (17'10") | 5780 (19'0") | 9190 (30'2") | 9380 (30'9") | 15200 (33,510/149) | 13000 (28,660/127) |
| | | 2.925 (9'7") | 10000 (32'10") | 7110 (23'4") | 6620 (21'9") | 5980 (19'7") | 6370 (20'11") | 9700 (31'10") | 9875 (32'5") | | 11000 (24,250/108) |
| **PC210-10** PC210LC-10**** | 5.7 (18'8") | 2.4 (7'10") | 9800 (32'2") | 6890 (22'7") | 6095 (20'0") | 5430 (17'10") | 5780 (19'0") | 9190 (30'2") | 9380 (30'9") | 17500*3 (38,580/172) | 13000 (28,660/127) |
| | | 2.9 (9'6") | 10000 (32'10") | 7110 (23'4") | 6620 (21'9") | 5980 (19'7") | 6370 (20'11") | 9700 (31'10") | 9875 (32'5") | 15200 (33,510/149) | 11000 (24,250/108) |

* : USA source
** : UK source
*** : China source
*4 : India source
*5 : Thailand source
*6 : Brazil source
*7 : Russia source
*8 : Indonesia source
*9 : Italy source
*10 : for USA
*11 : for UK
*12 : for Russia

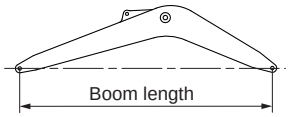
*1 : Using Power Max. function and ISO rating
*3 : Optional bucket cylinder is required.

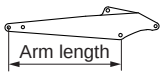


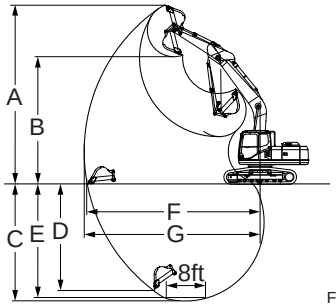
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FVBH0312

| | Boom length m (ft.in) | Arm length m (ft.in) | A mm (ft.in) | B mm (ft.in) | C mm (ft.in) | D mm (ft.in) | E mm (ft.in) | F mm (ft.in) | G mm (ft.in) | Bucket digging force*1 kg (lb/kN) | Arm crowd force*1 kg (lb/kN) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **PC210LC-8*4** | 5.7 (18'8") | 2.4 (7'10") | 9830 (32'3") | 6960 (22'10") | 6000 (19'8") | 5080 (16'8") | 5760 (19'0") | 9195 (30'2") | 9390 (30'10") | 15200 (33,510/149) | 13000 (28,660/127) |
| | | 2.9 (9'6") | 10000 (32'10") | 7110 (23'4") | 6620 (21'9") | 5980 (19'7") | 6370 (20'11") | 9700 (31'10") | 9875 (32'5") | | 11000 (24,250/108) |
| **PC210LC-10*** | 5.7 (18'8") | 2.925 (9'7") | 10000 (32'10") | 7110 (23'4") | 6620 (21'9") | 5980 (19'7") | 6370 (20'11") | 9700 (31'10") | 9875 (32'5") | 15200 (33,510/149) | 11000 (24,250/108) |
| **PC210NLC-8**** | 5.7 (18'8") | 1.84 (6'0") | 9500 (31'2") | 6630 (21'9") | 5380 (17'8") | 4630 (15'2") | 5130 (16'0") | 8660 (28'5") | 8850 (29'1") | 17500*3 (38,580/172) | 14800 (32,630/145) |
| | | 2.41 (7'11") | 9800 (32'2") | 6890 (22'7") | 6095 (20'0") | 5430 (17'10") | 5780 (19'0") | 9190 (30'2") | 9380 (30'9") | | 13000 (28,660/127) |
| | | 2.925 (9'7") | 10000 (32'10") | 7110 (23'4") | 6620 (21'9") | 5980 (19'7") | 6370 (20'11") | 9700 (31'10") | 9875 (32'5") | 15200 (33,510/149) | 11000 (24,250/108) |
| **PC220-8 PC220LC-8 PC220-8*7 PC220LC-8*7** | 5.9 (19'2") | 2.00 (6'7") | 9665 (31'9") | 6715 (22'0") | 5825 (19'1") | 4750 (15'7") | 5585 (18'4") | 9070 (29'9") | 9270 (30'5") | 20100*3 (44,310/197) | 15800 (34,830/155) |
| | | 2.50 (8'2") | 9790 (32'1") | 6860 (22'6") | 6320 (20'9") | 5130 (16'10") | 6100 (20'0") | 9480 (31'1") | 9670 (31'9") | 17500 (38,580/172) | 15100 (33,290/148) |
| | | 3.05 (10'0") | 10000 (32'10") | 7035 (23'1") | 6920 (22'8") | 6010 (19'9") | 6700 (22'0") | 10020 (32'10") | 10180 (33'5") | | 13200 (29,100/129) |
| **PC220-8*** ** | 5.9 (19'2") | 2.00 (6'7") | 9665 (31'9") | 6715 (22'0") | 5825 (19'1") | 4750 (15'7") | 5585 (18'4") | 9070 (29'9") | 9270 (30'5") | 20100*3 (44,310/197) | 16400 (36,160/161) |
| | | 2.50 (8'2") | 9790 (32'1") | 6860 (22'6") | 6320 (20'9") | 5130 (16'10") | 6100 (20'0") | 9480 (31'1") | 9670 (31'9") | 17500 (38,580/172) | 15100 (33,290/148) |
| | | 3.05 (10'0") | 10000 (32'10") | 7035 (23'1") | 6920 (22'8") | 6010 (19'9") | 6700 (22'0") | 10020 (32'10") | 10180 (33'5") | | 13200 (29,100/129) |
| **PC220-8M0 PC220LC-8M0** | 5.85 (19'2") | 2.00 (6'7") | 9665 (31'9") | 6715 (22'0") | 5825 (19'1") | 4750 (15'7") | 5585 (18'4") | 9070 (29'9") | 9270 (30'5") | 20100*3 (44,310/197) | 15800 (34,830/155) |
| | | 2.50 (8'2") | 9790 (32'1") | 6860 (22'6") | 6320 (20'9") | 5130 (16'10") | 6100 (20'0") | 9480 (31'1") | 9670 (31'9") | 17500 (38,580/172) | 15100 (33,290/148) |
| | | 3.05 (10'0") | 10000 (32'10") | 7035 (23'1") | 6920 (22'8") | 6010 (19'9") | 6700 (22'0") | 10020 (32'10") | 10180 (33'5") | | 13200 (29,100/129) |
| **PC220-7 PC220LC-7** | 5.9 (19'2") | 2.00 (6'7") | 9665 (31'9") | 6715 (22'0") | 5825 (19'1") | 4750 (15'7") | 5585 (18'4") | 9070 (29'9") | 9270 (30'5") | 20100*3 (44,310/197) | 16400 (36,160/161) |
| | | 2.50 (8'2") | 9790 (32'1") | 6860 (22'6") | 6320 (20'9") | 5130 (16'10") | 6100 (20'0") | 9480 (31'1") | 9670 (31'9") | 17500 (38,580/172) | 15100 (33,290/148) |
| | | 3.05 (10'0") | 10000 (32'10") | 7035 (23'1") | 6920 (22'8") | 6010 (19'9") | 6700 (22'0") | 10020 (32'10") | 10180 (33'5") | | 13200 (29,100/129) |
| **PC228US-8 PC228USLC-8** | 5.7 (18'8") | 2.925 (9'6") | 10700 (35'1") | 7825 (25'8") | 6620 (21'9") | 5980 (19'7") | 6370 (20'11") | 9700 (31'10") | 9875 (32'5") | 15200 (33,510/149) | 11000 (24,250/108) |
| **PC228USLC-8*10** | 5.7 (18'8") | 2.925 (9'6") | 10700 (35'1") | 7825 (25'8") | 6620 (21'9") | 5980 (19'7") | 6370 (20'11") | 9700 (31'10") | 9875 (32'5") | 15200 (33,510/149) | 11000 (24,250/108) |
| **PC228USLC-8*11** | 5.7 (18'8") | 2.4 (7'10") | 10380 (34'1") | 7470 (24'6") | 6095 (20'0") | 5315 (17'5") | 5840 (1920") | 9205 (30'2") | 9395 (30'10") | 17500*3 (38,580/172) | 13000 (28,660/127) |
| | | 2.9 (9'7") | 10700 (35'1") | 7825 (25'8") | 6620 (21'9") | 5980 (19'7") | 6370 (20'11") | 9700 (31'10") | 9875 (32'5") | 15200 (33,510/149) | 11000 (24,250/108) |
| **PC230NHD-8** | 5.7 (18'8") | 1.80 (5'11") | 9525 (31'3") | 6655 (21'10") | 5355 (17'7") | 4605 (15'1") | 5105 (16'9") | 8660 (28'5") | 8850 (29'0") | 17500*3 (38,580/172) | 14800 (32,630/145) |
| | | 2.40 (7'10") | 9825 (32'3") | 6915 (22'8") | 6070 (19'11") | 5405 (17'9") | 5755 (18'10") | 9190 (30'2") | 9380 (30'9") | | 13000 (28,660/127.5) |
| | | 2.90 (9'6") | 10025 (32'11") | 7135 (23'5") | 6595 (21'8") | 5955 (19'6") | 6345 (20'10") | 9700 (31'10") | 9875 (32'5") | 15200 (33,510/149) | 11000 (24,250/108) |
| **PC240LC-10*** | 5.85 (19'2") | 3.05 (10'0") | 10000 (32'10") | 7035 (23'1") | 6920 (22'8") | 6010 (19'9") | 6700 (22'0") | 10020 (32'10") | 10180 (33'5") | 17500 (38,580/172) | 13200 (29,100/130) |
| | | 3.5 (11'6") | 10300 (33'10") | 7360 (24'2") | 7320 (24'0") | 6230 (20'5") | 7150 (23'5") | 10420 (34'2") | 10580 (34'8") | | 11200 (24,690/110) |
| **PC240LC-10** PC240NLC-10**** | 5.85 (19'2") | 2.0 (6'7") | 9665 (31'9") | 6715 (22'0") | 5825 (19'1") | 4750 (15'7") | 5585 (18'4") | 9070 (29'9") | 9270 (30'5") | 20100*3 (44,310/197) | 16400 (36,160/161) |
| | | 2.5 (8'2") | 9790 (32'1") | 6860 (22'6") | 6320 (20'9") | 5130 (16'10") | 6100 (20'0") | 9480 (31'1") | 9670 (31'9") | | 15100 (33,290/148) |
| | | 3.0 (10'0") | 10000 (32'10") | 7035 (23'1") | 6920 (22'8") | 6010 (19'9") | 6700 (22'0") | 10020 (32'10") | 10180 (33'5") | 17500 (38,580/172) | 13200 (21,900/129) |
| | | 3.50 (11'6") | 10300 (33'10") | 7360 (24'2") | 7320 (24'0") | 6230 (20'5") | 7150 (23'5") | 10420 (34'2") | 10580 (34'8") | | 11200 (24,690/110) |

*: USA source
**: UK source
***: China source
*4: India source
*5: Thailand source
*6: Brazil source
*7: Russia source
*8: Indonesia source
*9: Italy source
*10: for USA
*11: for UK
*12: for Russia

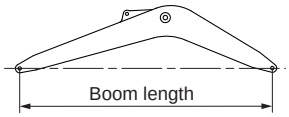
*1: Using Power Max. function and ISO rating
*3: Optional bucket cylinder is required.

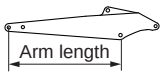


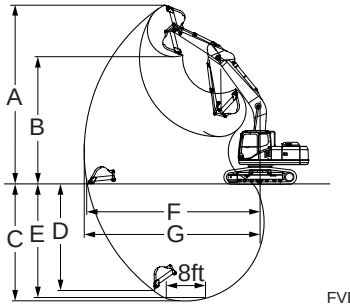
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| | Boom length m (ft.in) | Arm length m (ft.in) | A mm (ft.in) | B mm (ft.in) | C mm (ft.in) | D mm (ft.in) | E mm (ft.in) | F mm (ft.in) | G mm (ft.in) | Bucket digging force*1 kg (lb/kN) | Arm crowd force*1 kg (lb/kN) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **PC240LC-8*** ** | 5.85 (19'2") | 3.05 (10'0") | 10000 (32'10") | 7035 (23'1") | 6920 (22'8") | 6010 (19'9") | 6700 (22'0") | 10020 (32'10") | 10180 (33'5") | 17500 (38,580/172) | 13200 (29,100/129) |
| **PC240LC-10*6** | 5.85 (19'2") | 2.0 (6'7") | 9590 (31'6") | 6550 (21'6") | 5875 (19'3") | 4490 (14'9") | 5710 (18'9") | 9200 (30'2") | 9270 (30'5") | 20100*3 (44,310/197) | 16400 (36,160/161) |
| | | 2.5 (8'2") | 9845 (32'4") | 6850 (22'6") | 6340 (20'10") | 5025 (16'6") | 6120 (20'1") | 9500 (31'2") | 9685 (31'9") | 17500 (38,580/172) | 15100 (33,290/148) |
| | | 3.0 (10'0") | 10060 (33'0") | 7010 (23'0") | 6915 (22'8") | 5485 (18'0") | 6780 (22'3") | 10125 (32'3") | 10180 (33'5") | | 13200 (29,100/130) |
| **PC270-8 PC270LC-8** | 5.9 (19'2") | 2.50 (8'2") | 9620 (31'7") | 6720 (22'1") | 5940 (19'6") | 4800 (15'9") | 5750 (18'10") | 9450 (31'0") | 9650 (31'8") | 20200 (44,530/198) | 17300 (38,140/170) |
| | | 3.05 (10'0") | 10000 (32'10") | 7035 (23'1") | 6460 (21'2") | 5650 (18'6") | 6320 (20'9") | 9990 (32'9") | 10100 (33'2") | | 14100 (31,080/138) |
| | | 3.50 (11'6") | 10130 (33'3") | 7200 (23'7") | 6940 (22'9") | 5930 (19'5") | 6790 (22'3") | 10390 (34'1") | 10570 (34'8") | | 12800 (28,220/126) |
| **PC270-7*** ** | 5.85 (19'2") | 3.05 (10'0") | 10000 (32'10") | 7035 (23'1") | 6460 (21'2") | 5650 (18'6") | 6320 (20'9") | 9990 (32'9") | 10100 (33'2") | 20200 (44,530/198) | 15100 (33,290/148) |
| **PC290LC-10*** | 6.15 (20'2") | 3.2 (10'6") | 10345 (34'3") | 7370 (23'2") | 6915 (22'8") | 6135 (20'2") | 6755 (22'2") | 10455 (34'4") | 10635 (34'11") | 20200 (44,530/198) | 13620 (30,030/134) |
| | | 3.5 (11'6") | 10355 (34'0") | 7435 (24'5") | 7220 (23'8") | 6440 (21'2") | 7070 (23'2") | 10175 (35'9") | 10890 (34'8") | | 12790 (28,190/125) |
| **PC290LC-10** PC290NLC-10**** | 6.15 (20'2") | 2.0 (6'7") | 9780 (32'1") | 6830 (22'5") | 5720 (18'9") | 3910 (12'10") | 5500 (18'1") | 9370 (31'11") | 9570 (31'5") | 23100*3 (50,930/227) | 18800 (41,450/184) |
| | | 2.65 (8'2") | 9985 (32'9") | 7040 (23'1") | 6360 (20'10") | 5365 (17'7") | 6175 (20'3") | 9905 (32'6") | 10095 (33'1") | | 16320 (35,980/160) |
| | | 3.2 (10'6") | 10345 (34'3") | 7370 (23'2") | 6915 (22'8") | 6135 (20'2") | 6755 (22'2") | 10455 (34'4") | 10635 (34'11") | 20200 (44,530/198) | 14370 (31,680/141) |
| | | 3.5 (11'6") | 10355 (34'0") | 7435 (24'5") | 7220 (23'8") | 6440 (21'2") | 7070 (23'2") | 10175 (35'9") | 10890 (34'8") | | 12800 (28,220/126) |
| **PC300-8 PC300LC-8 PC300-8*7 PC300LC-8*7** | 6.47 (21'3") | 2.22 (7'3") | 9460 (31'0") | 6520 (21'5") | 6400 (21'0") | 4890 (16'1") | 6130 (20'1") | 9910 (32'6") | 10120 (33'2") | 26400*3 (58,200/259) | 24000 (52,910/235) |
| | | 2.55 (8'4") | 9965 (32'8") | 6895 (22'7") | 6750 (22'2") | 5880 (19'4") | 6520 (21'5") | 10355 (34'0") | 10550 (34'7") | | 20500 (45,190/201) |
| | | 3.185 (10'5") | 10100 (33'2") | 7050 (23'4") | 7380 (24'3") | 6400 (21'0") | 7180 (23'7") | 10920 (35'10") | 11100 (36'5") | 23100 (50,930/227) | 17400 (38,360/171) |
| | | 4.02 (13'2") | 10550 (34'7") | 7490 (24'7") | 8200 (26'11") | 7280 (23'11") | 8045 (26'5") | 11730 (38'6") | 11900 (39'1") | | 14700 (32,410/144) |
| **PC300-8*8 (SE spec) PC300LC-8*8 (SE spec)** | 6.47 (21'3") | 2.22 (7'3") | 9460 (31'0") | 6520 (21'5") | 6400 (21'0") | 4890 (16'1") | 6130 (20'1") | 9910 (32'6") | 10120 (33'2") | 26400*3 (58,200/259) | 24000 (52,910/235) |
| | | 2.55 (8'4") | 9965 (32'8") | 6895 (22'7") | 6750 (22'2") | 5880 (19'4") | 6520 (21'5") | 10355 (34'0") | 10550 (34'7") | | 20500 (45,190/201) |
| | | 3.185 (10'5") | 10100 (33'2") | 7050 (23'4") | 7380 (24'3") | 6400 (21'0") | 7180 (23'7") | 10920 (35'10") | 11100 (36'5") | 23100 (50,930/227) | 17400 (38,360/171) |
| **PC300-8*5 (SE spec) PC300LC-8*5 (SE spec)** | 6.47 (21'3") | 2.22 (7'3") | 9460 (31'0") | 6520 (21'5") | 6400 (21'0") | 4890 (16'1") | 6130 (20'1") | 9910 (32'6") | 10120 (33'2") | 26400*3 (58,200/259) | 24000 (52,910/235) |
| | | 2.55 (8'4") | 9965 (32'8") | 6895 (22'7") | 6705 (22'0") | 5880 (19'4") | 6520 (21'5") | 10355 (34'0") | 10550 (34'7") | | 20500 (45,190/201) |
| | | 3.185 (10'5") | 10100 (33'2") | 7050 (23'4") | 7380 (24'3") | 6400 (21'0") | 7180 (23'7") | 10920 (35'10") | 11100 (36'5") | 23100 (50,930/227) | 17400 (38,360/171) |
| **PC300-7** | 6.5 (21'3") | 2.22 (7'3") | 9580 (31'5") | 6595 (21'8") | 6355 (20'10") | 5120 (16'10") | 6130 (20'1") | 9950 (32'8") | 10155 (33'4") | 26400*3 (58,200/259) | 24000 (52,910/235) |
| | | 2.55 (8'4") | 9965 (32'8") | 6895 (22'7") | 6705 (22'0") | 5880 (19'4") | 6520 (21'5") | 10355 (34'0") | 10550 (34'7") | | 20500 (45,190/201) |
| | | 3.185 (10'5") | 10100 (33'2") | 7050 (23'2") | 7380 (24'3") | 6400 (21'0") | 7180 (23'7") | 10920 (35'10") | 11100 (36'5") | 23100 (50,930/227) | 17400 (38,360/171) |
| | | 4.02 (13'2") | 10550 (34'7") | 7490 (24'7") | 8180 (26'10") | 7280 (23'11") | 8045 (26'5") | 11730 (38'6") | 11900 (39'1") | | 14700 (32,410/144) |
| **PC300-7*** ** **PC360-7*** ** | 6.47 (21'3") | 2.2 (7'3") | 9580 (31'5") | 6595 (21'8") | 6355 (20'10") | 5120 (16'10") | 6130 (20'1") | 9950 (32'8") | 10155 (33'4") | 26400*3 (58,200/259) | 24000 (52,910/235) |
| | | 2.55 (8'4") | 9965 (32'8") | 6895 (22'7") | 6705 (22') | 5880 (19'4") | 6520 (21'5") | 10355 (34') | 10550 (34'7") | | 20500 (45,190/201) |
| | | 3.185 (10'5") | 10100 (33'2") | 7050 (23'2") | 7380 (24'3") | 6400 (21'0") | 7180 (23'7") | 10920 (35'10") | 11100 (36'5") | 23100 (50,930/227) | 17400 (38,360/171) |
| | | 4.02 (13'2") | 10550 (34'7") | 7490 (24'7") | 8180 (26'10") | 7280 (23'11") | 8045 (26'5") | 11730 (38'6") | 11900 (39'1") | | 14700 (32,410/144) |

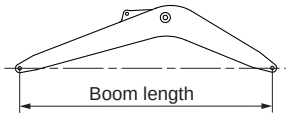
* : USA source
** : UK source
*** : China source
*4 : India source
*5 : Thailand source
*6 : Brazil source
*7 : Russia source
*8 : Indonesia source
*9 : Italy source
*10 : for USA
*11 : for UK
*12 : for Russia
*1 : Using Power Max. function and ISO rating
*3 : Optional bucket cylinder is required.

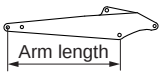


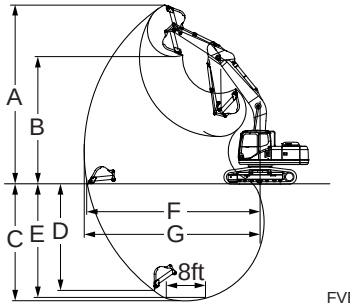
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| | Boom length m (ft.in) | Arm length m (ft.in) | A mm (ft.in) | B mm (ft.in) | C mm (ft.in) | D mm (ft.in) | E mm (ft.in) | F mm (ft.in) | G mm (ft.in) | Bucket digging force*1 kg (lb/kN) | Arm crowd force*1 kg (lb/kN) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **PC300LC-7*4** | 6.47 (21'3") | 2.22 (7'3") | 9580 (31'5") | 6595 (21'8") | 6355 (20'10") | 5120 (16'10") | 6130 (20'1") | 9950 (32'8") | 10155 (33'4") | 26400*3 (58,200/256) | 24000 (52,910/235) |
| | | 3.185 (10'6") | 10210 (33'6") | 7110 (23'4") | 7380 (24'3") | 6480 (21'3") | 7180 (23'7") | 10920 (35'10") | 11100 (36'5") | 23200 (51,150/228) | 17400 (38,360/171) |
| **PC350-8 PC350LC-8** | 6.47 (21'3") | 3.185 (10'5") | 10100 (33'2") | 7050 (23 '2") | 7380 (24'3") | 6400 (21'0") | 7180 (23'7") | 10920 (35'10") | 11100 (36'5") | 23200 (51,150/228) | 17400 (38,360/171) |
| **PC350-7 PC350LC-7** | 6.47 (21'3") | 3.185 (10'5") | 10100 (33'2") | 7050 (23 '2") | 7380 (24'3") | 6400 (21'0") | 7180 (23'7") | 10920 (35'10") | 11100 (36'5") | 23200 (51,150/228) | 17400 (38,360/171) |
| **PC350LC-8*6** | 6.47 (21'3") | 2.2 (7'3") | 9580 (31'5") | 6595 (21'8") | 6355 (20'10") | 5120 (16'10") | 6130 (20'1") | 9950 (32'8") | 10155 (33'4") | 27100*3 (51,150/266) | 24000 (52,910/235) |
| | | 2.55 (8'4") | 10025 (32'11") | 6930 (22'9") | 6710 (22'0") | 5880 (19'4") | 6530 (21'5") | 10300 (33'10") | 10535 (34'7") | | 20700 (45,640/203) |
| | | 3.185 (10'5") | 10210 (33'6") | 7110 (23'4") | 7380 (24'3") | 6480 (21'3") | 7180 (23'7") | 10920 (35'10") | 11100 (36'5") | 23100 (50,930/227) | 17400 (38,360/171) |
| | | 4.02 (13'2") | 10550 (34'7") | 7490 (24'7") | 8180 (26'10") | 7280 (23'11") | 8045 (26'5") | 11730 (38'6") | 11900 (39'1") | | 14700 (32,410/144) |
| **PC360LC-10*** | 6.5 (21'3") | 2.54 (8'4") | 9965 (32'8") | 6895 (22'7") | 6705 (22'0") | 5880 (19'3") | 6520 (21'5") | 10355 (34'0") | 10550 (34'7") | 26400*3 (58,200/259) | 20500 (45,190/201) |
| | | 3.185 (10'5") | 10210 (33'6") | 7110 (23'4") | 7380 (24'3") | 6480 (21'3") | 7180 (23'7") | 10920 (35'10") | 11100 (36'5") | 23200 (51,150/228) | 17400 (38,360/171) |
| | | 4.02 (13'2") | 10550 (34'7") | 7490 (24'7") | 8180 (26'10") | 7280 (23'11") | 8045 (26'5") | 11730 (38'6") | 11900 (39'1") | 23100 (50,930/227) | 14700 (32,410/144) |
| **PC360LC-10** PC360NLC-10**** | 6.5 (21'3") | 2.2 (7'3") | 9580 (31'5") | 6595 (21'8") | 6355 (20'10") | 5120 (16'10") | 6130 (20'1") | 9950 (32'8") | 10155 (33'4") | 26400*3 (58,200/259) | 24000 (52,910/235) |
| | | 2.6 (8'6") | 9965 (32'8") | 6895 (22'7") | 6705 (22'0") | 5880 (19'3") | 6520 (21'5") | 10355 (34'0") | 10550 (34'7") | | 20500 (45,190/201) |
| | | 3.2 (10'6") | 10210 (33'6") | 7110 (23'4") | 7380 (24'3") | 6480 (21'3") | 7180 (23'7") | 10920 (35'10") | 11100 (36'5") | 23100 (50,930/227) | 17400 (38,360/171) |
| | | 4.02 (13'2") | 10550 (34'7") | 7490 (24'7") | 8180 (26'10") | 7280 (23'11") | 8045 (26'5") | 11730 (38'6") | 11900 (39'1") | | 14700 (32,410/144) |
| **PC390LC-10*** | 6.5 (21'3") | 2.54 (8'4") | 10070 (33'4") | 7005 (23'0") | 6640 (21'9") | 5795 (19'0") | 6455 (21'2") | 10315 (33'10") | 10550 (34'7") | 26400*3 (58,200/259) | 20500 (45,190/201) |
| | | 3.185 (10'5") | 10260 (33'7") | 7155 (23'6") | 7265 (23'10") | 6235 (20'6") | 7100 (23'3") | 10870 (35'8") | 11100 (36'5") | 23200 (51,150/228) | 17400 (38,360/171) |
| | | 4.02 (13'2") | 10660 (35'0") | 7600 (24'11") | 8100 (26'7") | 7145 (23'5") | 7975 (26'2") | 11705 (38'5") | 11895 (39'0") | 23100 (50,930/227) | 14700 (32,410/144) |
| **PC400-8 PC400LC-8 PC400-8R PC400LC-8R** | 7.06 (23'2") | 2.4 (7'10") | 10310 (33'10") | 7070 (23'2") | 6845 (22'6") | 5305 (17'5") | 6650 (21'10) | 10855 (35'7") | 11080 (36'4") | 28200 (62,170/277) | 25900 (57,100/254) |
| | | 2.9 (9'6") | 10285 (33'9") | 7080 (23'3") | 7345 (24'1") | 5700 (18'8") | 7155 (23'6") | 11230 (36'10") | 11445 (37'7") | 28100 (61,950/276) | 26200 (57,760/257) |
| | | 3.38 (11'1") | 10915 (35'10") | 7565 (24'10") | 7820 (25'8") | 6870 (22'6") | 7680 (25'2") | 11820 (38'9") | 12025 (39'5") | 28000 (61,730/275) | 21800 (48,060/214) |
| | | 4.0 (13'1") | 11025 (36'2") | 7715 (25'4") | 8445 (27'8") | 7285 (23'11) | 8315 (27'3") | 12365 (40'7") | 12565 (41'3") | 27500 (60,630/270) | 19400 (42,770/190) |
| **PC400-8*** PC450-8*** | 7.06 (23'2") | 3.38 (11'1") | 10925 (35'10") | 7625 (25'0") | 7790 (25'7") | 6600 (21'8") | | 11800 (38'9") | 12005 (39'5") | 28300 (62,340/278) | 23800 (52,470/233) |
| **PC400-8R*8 (SE spec) PC400LC-8R*8 (SE spec)** | 7.06 (23'2") | 2.4 (7'10") | 10310 (33'10") | 7070 (23'2") | 6845 (22'6") | 5305 (17'5") | 6650 (21'10) | 10855 (35'7") | 11080 (36'4") | 28200 (62,170/277) | 25900 (57,100/254) |
| | | 2.9 (9'6") | 10285 (33'9") | 7080 (23'3") | 7345 (24'1") | 5700 (18'8") | 7155 (23'6") | 11230 (36'10") | 11445 (37'7") | 28100 (61,950/276) | 26200 (57,760/257) |
| | | 3.38 (11'1") | 10915 (35'10") | 7565 (24'10") | 7820 (25'8") | 6870 (22'6") | 7680 (25'2") | 11820 (38'9") | 12025 (39'5") | 28000 (61,730/275) | 21800 (48,060/214) |
| | | 4.0 (13'1") | 11025 (36'2") | 7715 (25'4") | 8445 (27'8") | 7285 (23'11) | 8315 (27'3") | 12365 (40'10") | 12565 (41'3") | 27500 (60,630/270) | 19400 (42,770/190) |
| **PC400-7 PC400LC-7 PC400-7*7 PC400LC-7*7** | 7.06 (23'2") | 2.4 (7'10") | 10310 (33'10") | 7070 (23'2") | 6845 (22'6") | 5305 (17'5") | 6650 (21'10) | 10855 (35'7") | 11080 (36'4") | 28200 (62,170/277) | 25900 (57,100/254) |
| | | 2.9 (9'6") | 10285 (33'9") | 7080 (23'3") | 7345 (24'1") | 5700 (18'8") | 7155 (23'6") | 11230 (36'10") | 11445 (37'7") | 28100 (61,950/276) | 26200 (57,760/257) |
| | | 3.38 (11'1") | 10915 (35'10") | 7565 (24'10") | 7820 (25'8") | 6870 (22'6") | 7680 (25'2") | 11820 (38'9") | 12025 (39'5") | 28000 (61,730/275) | 21800 (48,060/214) |
| | | 4.0 (13'1") | 11025 (36'2") | 7715 (25'4") | 8445 (27'8") | 7285 (23'11) | 8315 (27'3") | 12365 (40'7") | 12565 (41'3") | 27500 (60,630/270) | 19400 (42,770/190) |

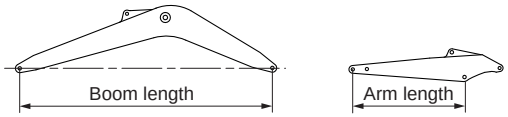
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** : UK source
*** : China source
*4 : India source
*5 : Thailand source
*6 : Brazil source
*7 : Russia source
*8 : Indonesia source
*9 : Italy source
*10 : for USA
*11 : for UK
*12 : for Russia
*1 : Using Power Max. function and ISO rating
*3 : Optional bucket cylinder is required.

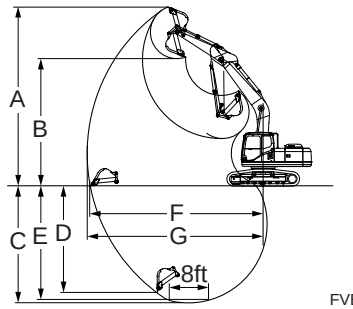


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| | Boom length m (ft.in) | Arm length m (ft.in) | A mm (ft.in) | B mm (ft.in) | C mm (ft.in) | D mm (ft.in) | E mm (ft.in) | F mm (ft.in) | G mm (ft.in) | Bucket digging force*1 kg (lb/kN) | Arm crowd force*1 kg (lb/kN) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **PC450-8<br>PC450-8R<br>PC450LC-8<br>PC450LC-8R** | 7.06 (23'2") | 3380 (11'1") | 10925 (35'10") | 7625 (25'0") | 7790 (25'7") | 6600 (21'8") | 7650 (25'1") | 11800 (38'9") | 12005 (39'5") | 28300 (62,390/278) | 23800 (52,470/233) |
| **PC490LC-10*** | 7.06 (23'2") | 2.9 (9'6") | 10350 (34'0") | 7145 (23'5") | 7280 (23'11") | 5635 (18'6") | 7090 (23'3") | 11230 (36'10") | 11445 (37'7") | 28000 (61,730/275) | 26200 (57,760/257) |
| | | 3.38 (11'1") | 10980 (36'0") | 7630 (25'0") | 7755 (25'5") | 6805 (22'4") | 7615 (25'0") | 11810 (38'9") | 12030 (39'6") | | 21800 (48,060/214) |
| | | 4.0 (13'1") | 11090 (36'5") | 7780 (25'6") | 8380 (27'6") | 7220 (23'8") | 8250 (27'0") | 12365 (40'7") | 12565 (41'3") | | 19400 (42,770/190) |
| | | 4.8 (15'9") | 11550 (37'11") | 8210 (26'11") | 9190 (30'2") | 8085 (26'6") | 9080 (29'10") | 13180 (43'3") | 13365 (43'10") | | 17000 (37,480/167) |
| **PC490-10**<br>PC490LC-10**** | 7.1 (23'4") | 2.4 (7'10") | 10375 (33'10") | 7135 (23'2") | 6780 (22'3") | 5240 (17'3") | 6585 (21'7") | 10840 (35'7") | 11080 (36'4") | 28000 (61,730/275) | 25900 (57,100/254) |
| | | 2.9 (9'6") | 10350 (33'11") | 7145 (23'5") | 7280 (23'11") | 5635 (18'6") | 7090 (23'3") | 11215 (36'10") | 11445 (37'7") | | 26200 (57,760/257) |
| | | 3.38 (11'1") | 10980 (36'0") | 7630 (25'0") | 7755 (25'5") | 6805 (22'4") | 7615 (25'0") | 11810 (38'9") | 12030 (39'6") | | 21800 (48,060/214) |
| | | 4.0 (13'1") | 11090 (36'5") | 7780 (25'6") | 8380 (27'6") | 7220 (23'8") | 8250 (27'1") | 12355 (40'6") | 12565 (41'3") | | 19400 (42,770/190) |
| | | 4.8 (15'9") | 11550 (37'11") | 8210 (26'11") | 9190 (30'2") | 8085 (26'6") | 9080 (29'9") | 13170 (43'3") | 13365 (43'10") | | 17000 (37,480/167) |
| | 6.7 (22'0") | 2.4 (7'10") | 10510 (34'6") | 7075 (23'3") | 6365 (20'11") | 4365 (14'4") | 5630 (18'6") | 10360 (34'0") | 10605 (34'10") | 28000 (61,730/275) | 25900 (57,100/254) |
| | | 2.9 (9'6") | 10550 (34'7") | 7115 (23'4") | 7865 (25'10") | 4950 (16'3") | 6710 (22'0") | 10750 (35'3") | 10985 (36'0") | | 26200 (57,760/257) |
| **PC550LC-8** | 6.67 (21'11") | 2.4 (7'10") | 10300 (33'10") | 6760 (22'2") | 6595 (21'8") | 4470 (14'8") | 6420 (21'1") | 10720 (35'2") | 10975 (36'0") | 32600 (71,870/320) | 27600 (60,850/271) |
| **PC600-8E0<br>PC600LC-8E0<br>PC600-8R1<br>PC600LC-8R1** | 7.7 (25'2") | 3.5 (11'6") | 11880 (39'0") | 7960 (26'1") | 8490 (27'10") | 7510 (24'8") | 8360 (27'5") | 12800 (42'0") | 13020 (42'9") | 32300 (71,210/317) | 25100 (55,340/246) |
| | | 4.3 (14'1") | 12180 (40'0") | 8245 (27'1") | 9275 (30'5") | 8375 (27'6") | 9175 (30'1") | 13555 (44'6") | 13740 (45'1") | | 22200 (48,940/218) |
| | | 5.2 (17'1") | 12560 (41'3") | 8600 (28'3") | 10225 (33'7") | 9275 (30'5") | 10125 (33'3") | 14435 (47'4") | 14630 (48'0") | | 19300 (42,550/189) |
| | 7.3 (23'11") | 3.5 (11'6") | 11475 (37'8") | 7650 (25'1") | 8165 (26'9") | 6660 (21'10) | 8030 (26'4") | 12385 (40'8") | 12615 (41'5") | | 25100 (55,340/246) |
| | 6.6 (21'8") | 2.9 (9'6") | 11140 (36'7") | 7210 (23'8") | 7060 (23'2") | 5630 (18'6") | 6910 (22'8") | 11300 (37'1") | 11550 (37'11") | 36900 (81,350/362) | 29900 (65,920/293) |
| **PC600-8**** | 6.6 (21'8") | 2.9 (9'6") | 11140 (36'7") | 7210 (23'8") | 7060 (23'2") | 5630 (18'6") | 6910 (22'8") | 11300 (37'1") | 11550 (37'11") | 32300 (71,210/317) | 25100 (55,340/246) |
| | 7.3 (23'11") | 3.5 (11'6") | 11475 (37'8") | 7650 (25'1") | 8165 (26'9") | 6660 (21'10) | 8030 (26'4") | 12385 (40'8") | 12615 (41'5") | | |
| **PC600LC-8**** | 7.66 (25'2") | 3.5 (11'6") | 11880 (39'0") | 7960 (26'1") | 8490 (27'10") | 7510 (24'8") | 8360 (27'5") | 12800 (42'0") | 13020 (42'9") | 32300 (71,210/317) | 25100 (55,340/246) |
| **PC600-7*12<br>PC600LC-7*12** | 7.7 (25'2") | 3.5 (11'6") | 11880 (39'0") | 7960 (26'1") | 8490 (27'10") | 7510 (24'8") | 8360 (27'5") | 12800 (42'0") | 13020 (42'9") | 32300 (71,210/317) | 25100 (55,340/246) |
| | | 4.3 (14'1") | 12180 (40'0") | 8245 (27'1") | 9275 (30'5") | 8375 (27'6") | 9175 (30'1") | 13555 (44'6") | 13740 (45'1") | | 22200 (48,940/218) |
| | | 5.2 (17'1") | 12560 (41'3") | 8600 (28'3") | 10225 (33'7") | 9275 (30'5") | 10125 (33'3") | 14435 (47'4") | 14630 (48'0") | | 19300 (42,550/189) |
| | 7.3 (23'11") | 3.5 (11'6") | 11475 (37'8") | 7650 (25'1") | 8165 (26'9") | 6660 (21'10) | 8030 (26'4") | 12385 (40'8") | 12615 (41'5") | | 25100 (55,340/246) |
| | 6.6 (21'8") | 2.9 (9'6") | 11140 (36'7") | 7210 (23'8") | 7060 (23'2") | 5630 (18'6") | 6910 (22'8") | 11300 (37'1") | 11550 (37'11") | 36900 (81,350/362) | 29900 (65,920/293) |
| **PC650LC-8*10** | 7.66 (25'2") | 3.5 (11'6") | 11880 (39'0") | 7960 (26'1") | 8490 (27'10") | 7510 (24'8") | 8360 (27'5") | 12800 (42'0") | 13020 (42'9") | 32300 (71,210/317) | 25100 (55,340/246) |
| | | 4.3 (14'1") | 12180 (40'0") | 8245 (27'1") | 9275 (30'5") | 8375 (27'6") | 9175 (30'1") | 13555 (44'6") | 13740 (45'1") | | 22200 (48,940/218) |
| | | 5.2 (17'1") | 12560 (41'3") | 8600 (28'3") | 10225 (33'7") | 9275 (30'5") | 10125 (33'3") | 14435 (47'4") | 14630 (48'0") | | 19300 (42,550/189) |
| **PC650LC-8***** | 7.3 (23'11") | 3.5 (11'6") | 11475 (37'8") | 7650 (25'1") | 8165 (26'9") | 6660 (21'10) | 8030 (26'4") | 12385 (40'8") | 12615 (41'5") | 32300 (71,210/317) | 25100 (55,340/246) |

* : USA source
** : UK source
*** : China source
*4 : India source
*5 : Thailand source
*6 : Brazil source
*7 : Russia source
*8 : Indonesia source
*9 : Italy source
*10 : for USA
*11 : for UK
*12 : for Russia

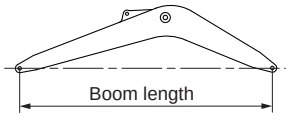
*1 : Using Power Max. function and ISO rating

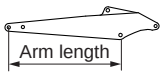


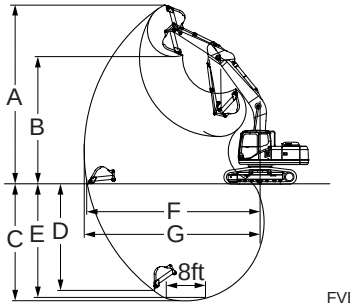
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| | Boom length m (ft.in) | Arm length m (ft.in) | A mm (ft.in) | B mm (ft.in) | C mm (ft.in) | D mm (ft.in) | E mm (ft.in) | F mm (ft.in) | G mm (ft.in) | Bucket digging force*1 kg (lb/kN) | Arm crowd force*1 kg (lb/kN) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PC700LC-8E0<br>PC700LC-8R | 7.66 (25'2") | 3.5 (11'6") | 12085 (39'8") | 8120 (26'8") | 8325 (27'4") | 7340 (24'1") | 8190 (26'10") | 12785 (41'11) | 13030 (42'9") | 32300 (71,210/317) | 25100 (55,340/246) |
| | | 4.3 (14'1") | 12390 (40'8") | 8425 (27'8") | 9115 (29'11") | 7730 (25'4") | 8995 (29'6") | 13520 (44'4") | 13760 (45'2") | | 22200 (48,940/218) |
| | | 5.2 (17'1") | 12750 (41'10") | 8790 (28'10") | 10045 (32'11") | 8620 (28'3") | 9940 (32'7") | 14405 (47'3") | 14630 (48'0") | | 19300 (42,550/189) |
| | 7.3 (23'11") | 3.5 (11'6") | 11680 (38'4") | 7810 (25'7") | 8010 (26'3") | 6480 (21'3") | 7880 (25'10") | 12380 (40'7") | 12640 (41'6") | | 25100 (55,340/246) |
| | 6.6 (21'8") | 2.9 (9'6") | 11350 (37'3") | 7360 (24'2") | 6910 (22'8") | 5470 (17'11") | 6765 (22'2") | 11295 (37'1") | 11585 (38'0") | 36900 (81,350/362) | 29900 (65,920/293) |
| PC700LC-8E0** | 6.6 (21'8") | 2.9 (9'6") | 11350 (37'3") | 7360 (24'2") | 6910 (22'8") | 5470 (17'11") | 6765 (22'2") | 11295 (37'1") | 11585 (38'0") | 36900 (81,350/362) | 29900 (65,920/293) |
| | 7.3 (23'11") | 3.5 (11'6") | 11680 (38'4") | 7810 (25'7") | 8010 (26'3") | 6480 (21'3") | 7880 (25'10") | 12380 (40'7") | 12640 (41'6") | 32300 (71,210/317) | 25100 (55,340/246) |
| | 7.6 (24'11") | 3.5 (11'6") | 12085 (39'8") | 8120 (26'8") | 8325 (27'4") | 7340 (24'1") | 8190 (26'10") | 12785 (41'11) | 13030 (42'9") | | |
| PC700LC-8E0*** | 6.6 (21'8") | 2.9 (9'6") | 11350 (37'3") | 7360 (24'2") | 6910 (22'8") | 5470 (17'11") | 6765 (22'2") | 11295 (37'1") | 11585 (38'0") | 36900 (81,350/362) | 29900 (65,920/293) |
| PC800-8E0<br>PC800LC-8E0<br>PC800-8R1<br>PC800LC-8R1 | 8.2 (26'11") | 3.6 (11'10") | 11840 (38'10") | 8145 (26'9") | 8600 (28'3") | 5575 (18'3") | 8445 (27'8") | 13460 (44'2") | 13740 (45'1") | 34000 (74,960/333) | 25500 (56,220/250) |
| | | 4.6 (15'1") | 12000 (39'4") | 8295 (27'3") | 9590 (31'6") | 6575 (21'7") | 9455 (31'0") | 14310 (46'11") | 14575 (47'1") | | 22600 (49,820/222) |
| | | 5.6 (18'4") | 12690 (41'8") | 8890 (29'2") | 10595 (34'9") | 7920 (26'0") | 10500 (34'5") | 15385 (50'6") | 15635 (51'3") | | 19100 (42,110/183) |
| PC800-8E0,R1 (SE spec) | 7.1 (23'4") | 2.945 (9'6") | 11330 (37'2") | 7525 (24'8") | 3130 (23'5") | 4080 (13'5") | 6980 (22'11") | 11945 (39'2") | 12265 (40'3") | 48000 (105,820/471) | 38100 (84,000/373) |
| PC800-8E0** | 7.1 (23'4") | 2.9 (9'6") | 11330 (37'2") | 7525 (24'8") | 3130 (23'5") | 4080 (13'5") | 6980 (22'11") | 11945 (39'2") | 12265 (40'3") | 48000 (105,820/471) | 38100 (84,000/373) |
| PC800LC-8E0** | 8.0 (26'3") | 3.6 (11'10") | 11955 (39'3") | 8235 (27'0") | 8445 (27'8") | 5230 (17'2") | 8310 (27'3") | 13400 (44'0") | 13660 (44'10") | 40500 (89,290/397) | 33300 (73,410/327) |
| PC800LC-8E0* | 8.2 (26'11") | 3.6 (11'10") | 11840 (38'10") | 8145 (26'7") | 8600 (28'3") | 5575 (18'3") | 8445 (27'8") | 13460 (44'2") | 13740 (45'1") | 37200 (80,010/364) | 27900 (61,510/273) |
| | | 4.6 (15'1") | 12000 (39'4") | 8295 (27'3") | 9590 (31'6") | 6575 (21'7") | 9455 (31'0") | 14310 (46'1") | 14575 (47'1") | | 24700 (54,450/242) |
| | | 5.6 (18'4") | 12690 (41'8") | 8890 (29'2") | 10595 (34'9") | 7920 (26'0") | 10500 (34'5") | 15385 (50'6") | 15635 (51'4") | | 20900 (46,080/205) |
| PC800LC-8E0* (Super Digger) | 8.04 (26'5") | 3.6 (11'10") | 11840 (38'10") | 8145 (26'7") | 8600 (28'3") | 5575 (18'3") | 8445 (27'8") | 13460 (44'2") | 13740 (45'1") | 40500 (89,290/397) | 33300 (73,410/327) |
| PC800LC-8E0* (SE spec) | 7.1 (23'4") | 2.945 (9'8") | 11330 (37'2") | 7525 (24'8") | 3130 (23'5") | 4080 (13'5") | 6980 (22'11") | 11945 (39'2") | 12265 (40'3") | 48000 (105,820/471) | 38100 (84,000/373) |
| PC750-7*12 | 8.2 (26'11") | 3.6 (11'10") | 11840 (38'10") | 8145 (26'7") | 8600 (28'3") | 5575 (18'3") | 8445 (27'8") | 13460 (44'2") | 13740 (45'1") | 34000 (74,960/333) | 25500 (56,220/250) |
| | | 4.6 (15'1") | 12000 (39'4") | 8295 (27'3") | 9590 (31'6") | 6575 (21'7") | 9455 (31'0") | 14310 (46'1") | 14575 (47'1") | | 22600 (49,820/222) |
| | | 5.6 (18'4") | 12690 (41'8") | 8890 (29'2") | 10595 (34'9") | 7920 (26'0") | 10500 (34'5") | 15385 (50'6") | 15635 (51'4") | | 19100 (42,110/183) |
| PC750-7*12 (SE spec) | 7.1 (23'4") | 2.945 (9'8") | 11330 (37'2") | 7525 (24'8") | 3130 (23'5") | 4080 (13'5") | 6980 (22'11") | 11945 (39'2") | 12265 (40'3") | 43900 (96,780/431) | 34800 (76,720/341) |
| PC800-7*12 | 8.04 (26'5") | 3.6 (11'10") | 11955 (39'3") | 8235 (27'0") | 8445 (27'8") | 5230 (17'2") | 8310 (27'3") | 13400 (44'0") | 13660 (44'10") | 37000 (81,570/363) | 30400 (67,020/298) |
| PC800-7*12 (SE spec) | 7.1 (23'4") | 2.945 (9'8") | 11330 (37'2") | 7525 (24'8") | 3130 (23'5") | 4080 (13'5") | 6980 (22'11") | 11945 (39'2") | 12265 (40'3") | 43900 (96,780/431) | 34800 (76,720/341) |
| | | 3.6 (11'10") | 11055 (36'3") | 7430 (24'5") | 7790 (25'7") | 4260 (14'0") | 7680 (25'2") | 12400 (40'8") | 12710 (41'8") | 37000 (81,570/363) | 30400 (67,020/298) |
| PC850-8E0<br>PC850-8R1 | 8.04 (26'5") | 3.6 (11'10") | 11955 (39'3") | 8235 (27'0") | 8445 (27'8") | 5230 (17'2") | 8310 (27'3") | 13400 (44'0") | 13660 (44'10") | 40500 (89,290/397) | 33300 (73,410/327) |
| PC850-8E0 (SE spec)<br>PC850-8R1 (SE spec) | 7.1 (23'4") | 2.945 (9'8") | 11330 (37'2") | 7525 (24'8") | 3130 (23'5") | 4080 (13'5") | 6980 (22'11") | 11945 (39'2") | 12265 (40'3") | 48000 (105,820/471) | 38100 (84,000/373) |
| | | 3.6 (11'11") | 11055 (36'3") | 7430 (24'5") | 7790 (25'7") | 4260 (14'0") | 7680 (25'2") | 12400 (40'8") | 12710 (41'8") | 40500 (89,290/397) | 33300 (73,410/327) |

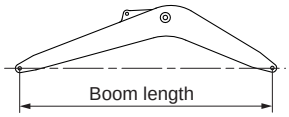
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** : UK source
*** : China source
*4 : India source
*5 : Thailand source
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*8 : Indonesia source
*9 : Italy source
*10 : for USA
*11 : for UK
*12 : for Russia
*1 : Using Power Max. function and ISO rating

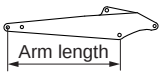


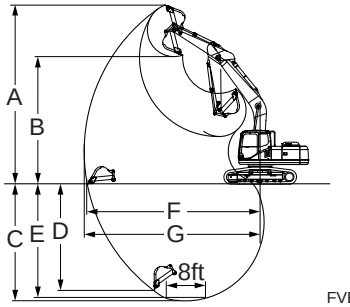
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FVBH0312

| | Boom length m (ft.in) | Arm length m (ft.in) | A mm (ft.in) | B mm (ft.in) | C mm (ft.in) | D mm (ft.in) | E mm (ft.in) | F mm (ft.in) | G mm (ft.in) | Bucket digging force*1 kg (lb/kN) | Arm crowd force*1 kg (lb/kN) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **PC1250-8 PC1250-8R PC1250LC-8** | 9.1 (29'10") | 3.4 (11'2") | 13400 (44'0") | 8680 (28'6") | 9350 (30'8") | 7610 (25'0") | 9220 (30'3") | 15000 (49'3") | 15350 (50'4") | 48800 (10,7590/479) | 42000 (92,590/412) |
| | | 4.5 (14'9") | 13490 (44'3") | 9000 (29'6") | 10440 (34'3") | 8490 (27'10") | 10340 (33'11") | 16000 (52'6") | 16340 (53'7") | | 34400 (75,840/337) |
| | | 5.7 (18'8") | 13910 (45'8") | 9440 (31'0") | 11590 (38'0") | 9480 (31'1") | 11500 (37'9") | 17130 (56'2") | 17450 (57'3") | 39700 (87,520/389) | 29200 (64,375/286) |
| **PC1250-8 PC1250-8R PC1250LC-8** | 9.1 (29'10") | 3.4 (11'2") | 13400 (44'0") | 8680 (28'6") | 9350 (30'8") | 7610 (25'0") | 9220 (30'3") | 15000 (49'3") | 15350 (50'4") | 48800 (10,7590/479) | 42000 (92,590/412) |
| | | 4.5 (14'9") | 13490 (44'3") | 9000 (29'6") | 10440 (34'3") | 8490 (27'10") | 10340 (33'11") | 16000 (52'6") | 16340 (53'7") | | 34400 (75,840/337) |
| | | 5.7 (18'8") | 13910 (45'8") | 9440 (31'0") | 11590 (38'0") | 9480 (31'1") | 11500 (37'9") | 17130 (56'2") | 17450 (57'3") | 39700 (87,520/389) | 29200 (64,375/286) |
| **PC1250-8R*8** | 7.8 (25'7") | 3.4 (11'2") | 13000 (42'8") | 8450 (27'9") | 7900 (25'11") | 5025 (16'6") | 7745 (25'5") | 13670 (44'10") | 14070 (46'2") | 58100 (128,110/570) | 42000 (92,590/412) |
| **PC1250-7** | 9.1 (29'10") | 3.4 (11'2") | 13400 (44') | 8680 (28'6") | 9350 (30'8") | 7610 (25') | 9220 (30'3") | 15000 (49'3") | 15350 (50'4") | 48800 (10,7590/479) | 42000 (92,590/412) |
| | | 4.5 (14'9") | 13490 (44'3") | 9000 (29'6") | 10440 (34'3") | 8490 (27'10") | 10340 (33'11") | 16000 (52'6") | 16340 (53'7") | | 34400 (75,840/337) |
| | | 5.7 (18'8") | 13910 (45'8") | 9440 (31') | 11590 (38') | 9480 (31'1") | 11500 (37'9") | 17130 (56'2") | 17450 (57'3") | 39700 (87,520/389) | 29200 (64,375/286) |
| **PC1250-8 (SP spec) PC1250-8R (SP spec)** | 7.8 (25'7") | 3.4 (11'2") | 13000 (42'8") | 8450 (27'9") | 7900 (25'11") | 5025 (16'6") | 7745 (25'5") | 13670 (44'10") | 14070 (46'2") | 58100 (128,110/570) | 42000 (92,590/412) |
| **PC1250-7 (SP spec)** | 7.8 (25'7") | 3.4 (11'2") | 13000 (42'8") | 8450 (27'9") | 7900 (25'11") | 5025 (16'6") | 7740 (25'5") | 13670 (44'10") | 14070 (46'2") | 58100 (128,110/570) | 42000 (92,590/412) |
| **PC2000-8 PC2000-8*8** | 8.7 (28'7") | 3.9 (12'10") | 13410 (44'0") | 8650 (28'5") | 9235 (30'4") | 2710 (8'11") | 9115 (29'11") | 15305 (50'3") | 15780 (51'9") | 71100 (156,750/697) | 59800 (131,840/586) |

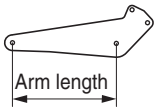
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** : UK source
*** : China source
*4 : India source
*5 : Thailand source
*6 : Brazil source
*7 : Russia source
*8 : Indonesia source
*9 : Italy source
*10 : for USA
*11 : for UK
*12 : for Russia
*1 : Using Power Max. function and ISO rating



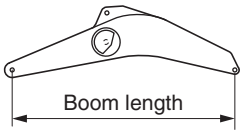
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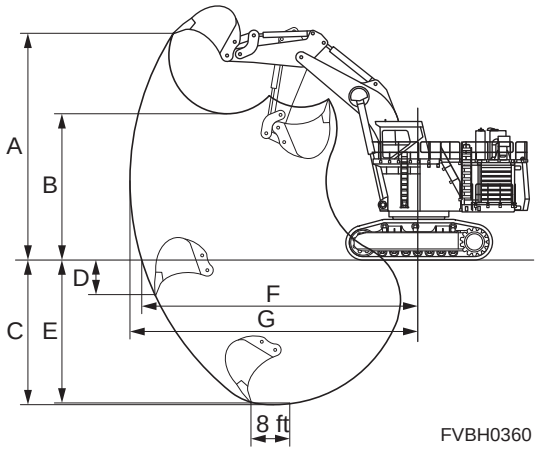





FVBH0358




FVBH0359




FVBH0360

| | Boom length m (ft.in) | Arm length m (ft.in) | A mm (ft.in) | B mm (ft.in) | C mm (ft.in) | D mm (ft.in) | E mm (ft.in) | F mm (ft.in) | G mm (ft.in) | Bucket digging force* ton (US ton/kN) | Arm crowd force* ton (US ton/kN) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **PC3000-6** | 8.6 (28'3") | 4.0 (13'1") | 14100 (46'3") | 9000 (29'6") | 7900 (25'11") | 3200 (10'6") | 7800 (25'7") | 15600 (51'2") | 16200 (53'2") | 86.6 (95.5/850) | 81.5 (89.8/800) |
| **PC4000-6** | 9.75 (32'0") | 4.5 (14'9") | 15000 (49'3") | 9700 (31'10") | 8000 (26'3") | 3000 (9'10") | 7900 (25'11") | 16650 (54'8") | 17500 (57'5") | 117.7 (129.7/1155) | 107 (117.9/1050) |
| **PC5500-6** | 11.0 (36'1") | 5.1 (16'9") | 15000 (49'3") | 10100 (33'2") | 8300 (27'3") | 3000 (9'10") | 8200 (26'11") | 18700 (61'4") | 19800 (65'0") | 147.8 (163.0/1450) | 131.5 (145.0/1290) |
| **PC8000-6** | 11.5 (37'9") | 5.5 (18'1") | 16900 (55'5") | 11200 (36'9") | 8000 (26'3") | 2500 (8'2") | 7900 (25'11") | 19600 (64'4") | 20700 (67'11") | 203.8 (224.6/2000) | 183.5 (202.3/1800) |

* DIN rating

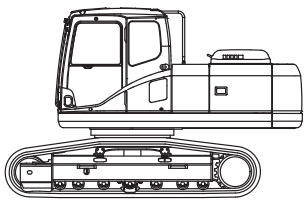


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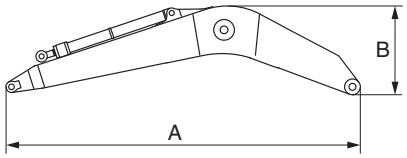
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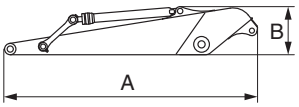
Base machine



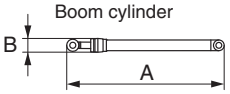
Boom with arm cylinder




Arm with bucket cylinder




Boom cylinder




FVBH0173

| Item | | | Model | PC200-8 | PC200-7 | PC220-8 | PC220-7 |
|---|---|---|---|---|---|---|---|
| Basic machine | Weight | STD | kg (lb) | 15920 (35,100) | 15720 (34,660) | 18410 (40,590) | 18250 (40,230) |
| | | LC | | 17320 (38,180) | 17120 (37,740) | 19840 (43,740) | 19680 (43,390) |
| | | NLC | | — | — | — | — |
| Boom with arm cylinder | A<br>B<br>Weight | | mm (ft.in)<br>mm (ft.in)<br>kg (lb) | 5900 (19'4")<br>1530 (5'0")<br>1410 (3,130) | 5900 (19'4")<br>1530 (5'0")<br>1410 (3,130) | 6045 (19'10")<br>1615 (5'4")<br>1830 (4,030) | 6045 (19'10")<br>1615 (5'4")<br>1830 (4,030) |
| Arm with bucket cylinder and linkage | Arm size<br>A<br>B<br>Weight | | m (ft.in)<br>mm (ft.in)<br>mm (ft.in)<br>kg (lb) | 1.84 (6'0")<br>2775 (9'1")<br>875 (2'10")<br>911 (2,010) | 1.84 (6'0")<br>2775 (9'1")<br>875 (2'10")<br>911 (2,010) | 2.0 (6'7")<br>3065 (10'1")<br>975 (3'2")<br>1205 (2,660) | 2.0 (6'7")<br>3065 (10'1")<br>975 (3'2")<br>1205 (2,660) |
| | Arm size<br>A<br>B<br>Weight | | m (ft.in)<br>mm (ft.in)<br>mm (ft.in)<br>kg (lb) | 2.41 (7'11")<br>3430 (11'3")<br>890 (2'11")<br>930 (2,050) | 2.41 (7'11")<br>3430 (11'3")<br>890 (2'11")<br>930 (2,050) | 2.5 (8'2")<br>3625 (11'11")<br>925 (3'0")<br>1235 (2,720) | 2.5 (8'2")<br>3625 (11'11")<br>925 (3'0")<br>1235 (2,720) |
| | Arm size<br>A<br>B<br>Weight | | m (ft.in)<br>mm (ft.in)<br>mm (ft.in)<br>kg (lb) | 2.93 (9'7")<br>3925 (12'11")<br>770 (2'6")<br>955 (2,110) | 2.93 (9'7")<br>3925 (12'11")<br>770 (2'6")<br>955 (2,110) | 3.05 (10'0")<br>4135 (13'7")<br>815 (2'8")<br>1215 (2,680) | 3.05 (10'0")<br>4135 (13'7")<br>815 (2'8")<br>1215 (2,680) |
| | Arm size<br>A<br>B<br>Weight | | m (ft.in)<br>mm (ft.in)<br>mm (ft.in)<br>kg (lb) | —<br>—<br>—<br>— | —<br>—<br>—<br>— | —<br>—<br>—<br>— | —<br>—<br>—<br>— |
| Boom cylinder (Total weight) | A<br>B<br>Weight | | mm (ft.in)<br>mm (ft.in)<br>kg (lb) | 2005 (6'7")<br>337 (743)** | 2005 (6'7")<br>337 (743)** | 2015 (6'7")<br>340 (1'1")**<br>200 × 2 (440 × 2) | 2015 (6'7")<br>340 (1'1")**<br>200 × 2 (440 × 2) |
| Backhoe bucket | | | | See bucket arm combination | | | |

| Item | | | Model | PC228US-3<br>PC228US-3E0 | PC240-8 | PC300-7 | PC350-7 |
|---|---|---|---|---|---|---|---|
| Basic machine | Weight | STD | kg (lb) | 18210 (40,150) | — | 24600 (54,230) | 25550 (56,330) |
| | | LC | | 19510 (43,010) | 20800 (45,860) | 25700 (56,660) | 26650 (58,750) |
| | | NLC | | — | 20500 (45,190) | — | — |
| Boom with arm cylinder | A<br>B<br>Weight | | mm (ft.in)<br>mm (ft.in)<br>kg (lb) | 5875 (19'3")<br>1450 (4'9")<br>1720 (3,790) | 6040 (19'10")<br>1555 (5'1")<br>2060 (4,540) | 6715 (22'0")<br>1625 (5'4")<br>2510 (5,530) | 6715 (22'0")<br>1625 (5'4")<br>2510 (5,530) |
| Arm with bucket cylinder and linkage | Arm size<br>A<br>B<br>Weight | | m (ft.in)<br>mm (ft.in)<br>mm (ft.in)<br>kg (lb) | 2.93 (9'7")<br>3905 (12'10")<br>725 (2'5")<br>950 (2,090) | 2.0 (6'7")<br>3050 (10')<br>920 (3')<br>1140 (2,510) | 2.22 (7'3")<br>3455 (11'4")<br>1150 (3'9")<br>1705 (3,760) | 3.2 (10'6")<br>4380 (14'4")<br>990 (3'3")<br>1805 (3,980) |
| | Arm size<br>A<br>B<br>Weight | | m (ft.in)<br>mm (ft.in)<br>mm (ft.in)<br>kg (lb) | —<br>—<br>—<br>— | 2.5 (8'2")<br>3600 (11'10")<br>860 (2'10")<br>1020 (2,250) | 2.55 (8'4")<br>3735 (12'3")<br>1040 (3'5")<br>1650 (3,640) | —<br>—<br>—<br>— |
| | Arm size<br>A<br>B<br>Weight | | m (ft.in)<br>mm (ft.in)<br>mm (ft.in)<br>kg (lb) | —<br>—<br>—<br>— | 3.05 (10')<br>4105 (13'6")<br>770 (2'6")<br>1125 (2,480) | 3.2 (10'6")<br>4380 (14'4")<br>955 (3'2")<br>1700 (3,750) | —<br>—<br>—<br>— |
| | Arm size<br>A<br>B<br>Weight | | m (ft.in)<br>mm (ft.in)<br>mm (ft.in)<br>kg (lb) | —<br>—<br>—<br>— | 3.5 (11'6")<br>4560 (15')<br>790 (2'7")<br>1240 (2,730) | 4.02 (13'2")<br>5205 (17'1")<br>945 (3'1")<br>1980 (4,365) | —<br>—<br>—<br>— |
| Boom cylinder (Total weight) | A<br>B<br>Weight | | mm (ft.in)<br>mm (ft.in)<br>kg (lb) | 2005 (6'7")<br>250 (9.8")<br>180 × 2 (410 × 2) | 2040 (6'8")<br>280 (11")<br>253 × 2 (560 × 2) | 2215 (7'3")<br>405 (1'4")**<br>225 × 2 (496 × 2) | 2215 (7'3")<br>405 (1'4")**<br>225 × 2 (496 × 2) |
| Backhoe bucket | | | | See bucket arm combination | | | |

* UK source
** With piping

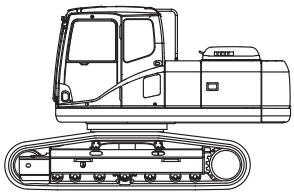


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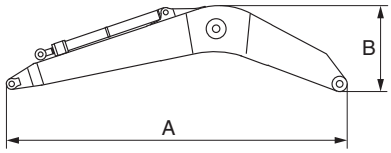
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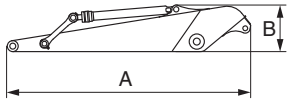
Base machine



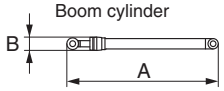
Boom with arm cylinder




Arm with bucket cylinder




Boom cylinder




FVBH0173

| Item | | | Model | PC300-8 | PC350-8 | PC400-8<br>PC400-8R | PC400-7 |
|---|---|---|---|---|---|---|---|
| Basic machine | Weight | STD | kg (lb) | 24950 (55,000) | 25750 (56,770) | 33740 (74,380) | 33160 (73,100) |
| | | LC | | 26050 (57,430) | 26810 (59,110) | 34740 (76,590) | 34810 (76,740) |
| | | NLC | | — | — | — | — |
| Boom with arm cylinder | A<br>B<br>Weight | | mm (ft.in)<br>mm (ft.in)<br>kg (lb) | 6715 (22'0")<br>1625 (5'4")<br>2510 (5,530) | 6715 (22'0")<br>1625 (5'4")<br>2510 (5,530) | 7290 (23'11")<br>1695 (5'7")<br>4000 (8,820) | 7290 (23'11")<br>1695 (5'7")<br>4000 (8,820) |
| Arm with bucket cylinder and linkage | Arm size<br>A<br>B<br>Weight | | m (ft.in)<br>mm (ft.in)<br>mm (ft.in)<br>kg (lb) | 2.22 (7'3")<br>3455 (11'4")<br>1150 (3'9")<br>1705 (3,760) | 3.2 (10'6")<br>4380 (14'4")<br>990 (3'3")<br>1805 (3,980) | 2.4 (7'10")<br>3705 (12'2")<br>1080 (3'7")<br>2030 (4,480) | 2.4 (7'10")<br>3705 (12'2")<br>1080 (3'7")<br>2030 (4,480) |
| | Arm size<br>A<br>B<br>Weight | | m (ft.in)<br>mm (ft.in)<br>mm (ft.in)<br>kg (lb) | 2.55 (8'4")<br>3735 (12'3")<br>1040 (3'5")<br>1650 (3,640) | —<br>—<br>—<br>— | 2.9 (9'6")<br>4215 (13'10")<br>995 (3'4")<br>2150 (4,740) | 2.9 (9'6")<br>4215 (13'10")<br>995 (3'4")<br>2150 (4,740) |
| | Arm size<br>A<br>B<br>Weight | | m (ft.in)<br>mm (ft.in)<br>mm (ft.in)<br>kg (lb) | 3.2 (10'6")<br>4380 (14'4")<br>955 (3'2")<br>1700 (3,750) | —<br>—<br>—<br>— | 3.38 (11'1")<br>4615 (15'2")<br>975 (3'2")<br>2200 (4,850) | 3.38 (11'1")<br>4615 (15'2")<br>975 (3'2")<br>2200 (4,850) |
| | Arm size<br>A<br>B<br>Weight | | m (ft.in)<br>mm (ft.in)<br>mm (ft.in)<br>kg (lb) | 4.02 (13'2")<br>5205 (17'1")<br>945 (3'1")<br>1980 (4,365) | —<br>—<br>—<br>— | 4.0 (13'1")<br>5235 (17'2")<br>965 (3'2")<br>2440 (5,380) | 4.0 (13'1")<br>5235 (17'2")<br>965 (3'2")<br>2440 (5,380) |
| | A<br>B<br>Weight | | m (ft.in)<br>mm (ft.in)<br>mm (ft.in)<br>kg (lb) | —<br>—<br>—<br>— | —<br>—<br>—<br>— | —<br>—<br>—<br>— | —<br>—<br>—<br>— |
| Boom cylinder (Total weight) | A<br>B<br>Weight | | mm (ft.in)<br>mm (ft.in)<br>kg (lb) | 2215 (7'3")<br>405 (1'4")**<br>225 × 2 (496 × 2) | 2215 (7'3")<br>405 (1'4")**<br>225 × 2 (496 × 2) | 2445 (8'1")<br>225 (8.9")<br>400 × 2 (880 × 2) | 2445 (8'1")<br>225 (8.9")<br>400 × 2 (880 × 2) |
| Backhoe bucket | | | | See bucket arm combination | | | |

| Item | | | Model | PC450-7 | PC450-8<br>PC450-8R | | |
|---|---|---|---|---|---|---|---|
| Basic machine | Weight | STD | kg (lb) | 33620 (74,120) | 34320 (75,660) | | |
| | | LC | | 34620 (76,320) | 35320 (77,870) | | |
| | | NLC | | — | — | | |
| Boom with arm cylinder | A<br>B<br>Weight | | mm (ft.in)<br>mm (ft.in)<br>kg (lb) | 7290 (23'11")<br>1695 (5'7")<br>4200 (9,260) | 7290 (23'11")<br>1695 (5'7")<br>4200 (9,260) | | |
| Arm with bucket cylinder and linkage | Arm size<br>A<br>B<br>Weight | | m (ft.in)<br>mm (ft.in)<br>mm (ft.in)<br>kg (lb) | 3.38 (11'1")<br>4705 (15'5")<br>1055 (3'6")<br>2400 (5,290) | 3.38 (11'1")<br>4705 (15'5")<br>1055 (3'6")<br>2400 (5,290) | | |
| | Arm size<br>A<br>B<br>Weight | | m (ft.in)<br>mm (ft.in)<br>mm (ft.in)<br>kg (lb) | —<br>—<br>—<br>— | —<br>—<br>—<br>— | | |
| | Arm size<br>A<br>B<br>Weight | | m (ft.in)<br>mm (ft.in)<br>mm (ft.in)<br>kg (lb) | —<br>—<br>—<br>— | —<br>—<br>—<br>— | | |
| | Arm size<br>A<br>B<br>Weight | | m (ft.in)<br>mm (ft.in)<br>mm (ft.in)<br>kg (lb) | —<br>—<br>—<br>— | —<br>—<br>—<br>— | | |
| | A<br>B<br>Weight | | m (ft.in)<br>mm (ft.in)<br>mm (ft.in)<br>kg (lb) | —<br>—<br>—<br>— | —<br>—<br>—<br>— | | |
| Boom cylinder (Total weight) | A<br>B<br>Weight | | mm (ft.in)<br>mm (ft.in)<br>kg (lb) | 2445 (8'1")<br>225 (8.9")<br>400 × 2 (880 × 2) | 2445 (8'1")<br>225 (8.9")<br>400 × 2 (880 × 2) | | |
| Backhoe bucket | | | | See bucket arm combination | | | |

** With piping



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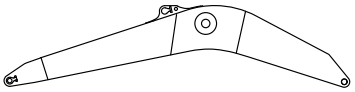
## PC600 / 600LC-8E0, PC600/600LC-8R1

### Four-part transportation

Unit: mm (ft.in)

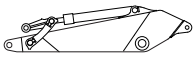
(1) Work equipment assembly

Boom



FVPM3162

Arm



FVPM3163

Bucket



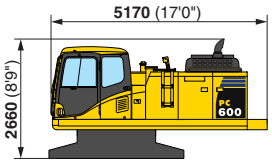
Boom & arm cylinder



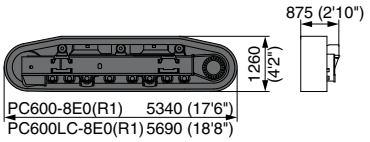
FVPM3164

(2) Upper structure

Width: 3170 (10'5")

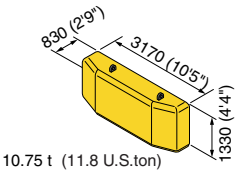


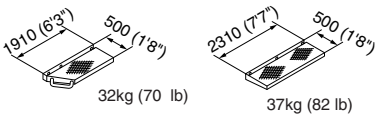

(3) Undercarriage




FVPM3166A

(4) Others




FVPM3167A

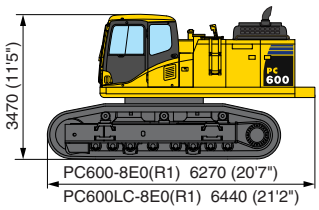
### Three-part transportation

(1) Work equipment assembly

The same as four-part transportation

(2) Base machine

Max. width: 3195 (10'6")




(3) Others

The same as four-part transportation

* KOMTRAX (optional) with an antenna when mounted



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**PC600/600LC-8E0, PC600/600LC-8R1**

**Specification Table for Transportation**

| No. of Part for Transportation | | Item | | Related Specifications | | PC600-8E0(R1) | PC600-8E0(R1) (Quarry spec.) | PC600LC-8E0(R1) | PC600-8E0(R1) (SE spec.) |
|---|---|---|---|---|---|---|---|---|---|
| Four-part | (1) | Work Equipment | Boom | Overall length | mm (fi.in) | 7920 (26'0") | 7530 (24'8") | 7920 (26'0") | 6870 (22'6") |
| | | | | Overall width | mm (fi.in) | 1190 (3'11") | 1190 (3'11") | 1190 (3'11") | 1190 (3'11") |
| | | | | Overall height | mm (fi.in) | 2040 (6'8") | 1960 (6'5") | 2040 (6'8") | 2090 (6'10") |
| | | | | Weight | ton (US. ton) | 4.9 (5.4) | 4.7 (5.2) | 4.9 (5.4) | 4.8 (5.3) |
| | | | Arm | Overall length | mm (fi.in) | 4870 (16'0") | 4870 (16'0") | 4870 (16'0") | 4230 (13'11") |
| | | | | Overall width | mm (fi.in) | 650 (2'2") | 650 (2'2") | 650 (2'2") | 650 (2'2") |
| | | | | Overall height | mm (fi.in) | 1210 (4'0") | 1240 (4'1") | 1210 (4'0") | 1490 (4'11") |
| | | | | Weight | ton (US. ton) | 3.3 (3.6) | 3.3 (3.6) | 3.3 (3.6) | 3.5 (3.9) |
| | | | Bucket | Overall length | mm (fi.in) | 2150 (7'1") | 2150 (7'1") | 2150 (7'1") | 2150 (7'1") |
| | | | | Overall width | mm (fi.in) | 1780 (5'10") | 1920 (6'4") | 1780 (5'10") | 2040 (6'8") |
| | | | | Overall height | mm (fi.in) | 1780 (5'10") | 1780 (5'10") | 1780 (5'10") | 1780 (5'10") |
| | | | | Weight | ton (US. ton) | 2.5 (2.8) | 3.1 (3.4) | 2.5 (2.8) | 3.4 (3.7) |
| | | | Cylinder | Overall length | mm (fi.in) | 3110 (10'2") | 3110 (10'2") | 3110 (10'2") | 3110 (10'2") |
| | | | | Weight | ton (US. ton) | 1.7 (1.9) | 1.7 (1.9) | 1.7 (1.9) | 1.7 (1.9) |
| | (2) | Upper Structure | | Overall length | mm (fi.in) | 5170 (17'0") | 5170 (17'0") | 5170 (17'0") | 5170 (17'0") |
| | | | | Overall width | mm (fi.in) | 3170 (10'5") | 3170 (10'5") | 3170 (10'5") | 3170 (10'5") |
| | | | | Overall height | mm (fi.in) | 2660 (8'8") | 2660 (8'8") | 2660 (8'8") | 2660 (8'8") |
| | | | | Weight | ton (US. ton) | 18.4 (20.3) | 18.5 (20.4) | 18.4 (20.3) | 18.4 (20.3) |
| | (3) | Undercarriage | | Overall length | mm (fi.in) | 5340 (17'6") | 5340 (17'6") | 5690 (18'8") | 5340 (17'6") |
| | | | | Overall width | mm (fi.in) | 875 (2'11") | 875 (2'11") | 875 (2'11") | 875 (2'11") |
| | | | | Overall height | mm (fi.in) | 1260 (4'2") | 1260 (4'2") | 1260 (4'2") | 1260 (4'2") |
| | | | | Weight | ton (US. ton) | 16.0 (17.6) | 16.0 (17.6) | 17.0 (18.7) | 16.0 (17.6) |
| | (4) | Others (Counterweight) | | Overall length | mm (fi.in) | 3170 (10'5") | 3170 (10'5") | 3170 (10'5") | 3170 (10'5") |
| | | | | Overall width | mm (fi.in) | 830 (2'9") | 830 (2'9") | 830 (2'9") | 830 (2'9") |
| | | | | Overall height | mm (fi.in) | 1330 (4'4") | 1330 (4'4") | 1330 (4'4") | 1330 (4'4") |
| | | | | Weight | ton (US. ton) | 10.75 (11.8) | 10.75 (11.8) | 10.75 (11.8) | 10.75 (11.8) |
| Three-part | (1) | Work Equipment | | The same as four-part transportation | | | | | |
| | (2) | Base Machine | | Overall length | mm (fi.in) | 6270 (20'7") | 6270 (20'7") | 6440 (21'2") | 6270 (20'7") |
| | | | | Overall width | mm (fi.in) | 3195 (10'6") | 3195 (10'6") | 3195 (10'6") | 3195 (10'6") |
| | | | | Overall height | mm (fi.in) | 3470 (11'5") | 3470 (11'5") | 3470 (11'5") | 3470 (11'5") |
| | | | | Weight | ton (US. ton) | 34.4 (37.9) | 34.5 (38.0) | 35.4 (39.0) | 34.4 (37.9) |
| | (3) | Others (Counterweight) | | The same as four-part transportation | | | | | |



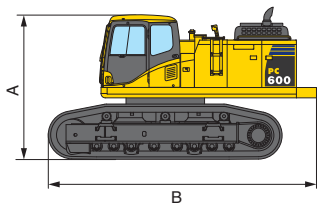
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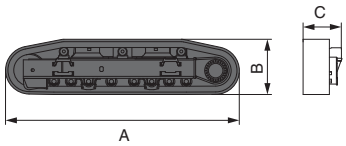
**PC600/600LC-8 (UK source)**

## Base machine




| | | PC600-8 | PC600LC-8 |
|---|---|---|---|
| Overall width | mm (ft.in) | 3195 (10'6") | 3195 (10'6") |
| A | mm (ft.in) | 3330 (10'11") | 3330 (10'11") |
| B | mm (ft.in) | 6170 (20'3") | 6340 (20'10") |
| Weight | ton (U.S. ton) | 34.24 (37.7) | 35.24 (38.8) |

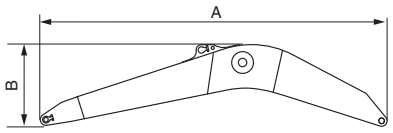
## Undercarriage




| | | PC600-8 | PC600LC-8 |
|---|---|---|---|
| A | mm (ft.in) | 5340 (17'6") | 5690 (18'8") |
| B | mm (ft.in) | 1260 (4'2") | 1260 (4'2") |
| C | mm (ft.in) | 875 (2'10") | 875 (2'10") |
| Weight | ton (U.S. ton) | 16.4 (18.1) | 17.4 (19.2) |

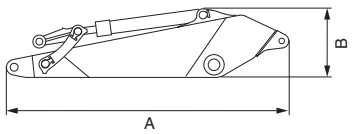
## Work equipment

### Boom



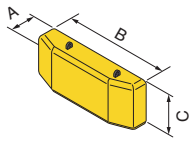

| | | | | |
|---|---|---|---|---|
| Boom length | mm (ft.in) | 6600 (21'8") | 7300 (23'11") | 7600 (24'11") |
| Overall width | mm (ft.in) | 1190 (3'11") | 1190 (3'11") | 1190 (3'11") |
| A | mm (ft.in) | 6870 (22'6") | 7545 (24'9") | 7925 (26'0") |
| B | mm (ft.in) | 2095 (6'10") | 1960 (6'5") | 2040 (6'8") |
| Weight (incl. arm cylinder) | ton (U.S. ton) | 5.3 (5.8) | 5.3 (5.8) | 5.4 (5.95) |

### Arm




| | | | |
|---|---|---|---|
| Arm length | mm (ft.in) | 2900 (9'6") | 3500 (11'6") |
| Overall width | mm (ft.in) | 480 (1'7") | 480 (1'7") |
| A | mm (ft.in) | 4285 (14'1") | 4885 (16'0") |
| B | mm (ft.in) | 1430 (4'8") | 1240 (4'1") |
| Weight (incl. bucket cylinder & linkage) | ton (U.S. ton) | 3.4 (3.7) | 3.3 (3.6) |

## Counterweight




| | | |
|---|---|---|
| A | mm (ft.in) | 680 (2'3") |
| B | mm (ft.in) | 3195 (10'6") |
| C | mm (ft.in) | 1330 (4'4") |
| Weight | ton (U.S. ton) | 10.75 (11.8) |

## Cylinders

Boom & arm cylinders

| | | |
|---|---|---|
| Weight | ton (U.S. ton) | 1.8 (2.0) |



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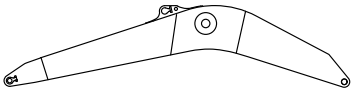


## PC600/600LC-7 (for Russia)

### Four-part transportation

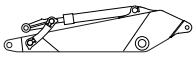
(1) Work equipment assembly

Boom



FVPM3162

Arm



FVPM3163

Bucket

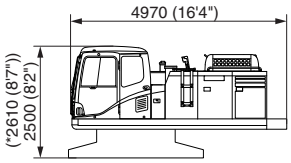


Boom & arm cylinder



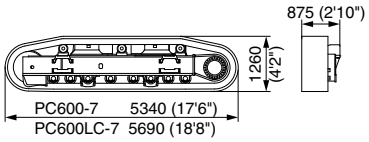
FVPM3164

(2) Upper structure — Max. width: 3195 (10'6")



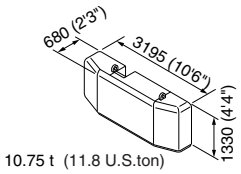

FVPM3165A

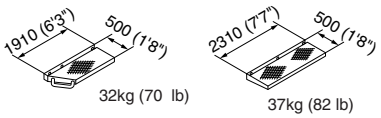
(3) Undercarriage




FVPM3166A

(4) Others



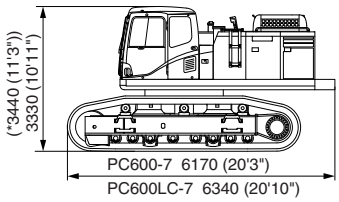

FVPM3167A

### Three-part transportation

(1) Work equipment assembly

The same as four-part transportation

(2) Base machine — Max. width: 3195 (10'6")




FVPM3169A

(3) Others

The same as four-part transportation

* KOMTRAX (optional) with an antenna when mounted



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**PC600/600LC-7 (for Russia)**

**Specification Table for Transportation**

| No. of Part for Transportation | | Item | | Related Specifications | | PC600-7 | PC600-7 (Quarry spec.) | PC600LC-7 | PC600-7 (SE spec.) |
|---|---|---|---|---|---|---|---|---|---|
| Four-part | (1) | Work Equipment | Boom | Overall length | mm (fi.in) | 7920 (26'0") | 7530 (24'8") | 7920 (26'0") | 6870 (22'6") |
| | | | | Overall width | mm (fi.in) | 1190 (3'11") | 1190 (3'11") | 1190 (3'11") | 1190 (3'11") |
| | | | | Overall height | mm (fi.in) | 2040 (6'8") | 1960 (6'5") | 2040 (6'8") | 2090 (6'10") |
| | | | | Weight | ton (US. ton) | 4.8 (5.3) | 4.7 (5.2) | 4.8 (5.3) | 4.7 (5.0) |
| | | | Arm | Overall length | mm (fi.in) | 4870 (16'0") | 4870 (16'0") | 4870 (16'0") | 4230 (13'11") |
| | | | | Overall width | mm (fi.in) | 480 (1'7") | 480 (1'7") | 480 (1'7") | 480 (1'7") |
| | | | | Overall height | mm (fi.in) | 1210 (4'0") | 1240 (4'1") | 1210 (4'0") | 1430 (4'8") |
| | | | | Weight | ton (US. ton) | 3.2 (3.5) | 3.3 (3.6) | 3.2 (3.5) | 3.4 (3.7) |
| | | | Bucket | Overall length | mm (fi.in) | 2040 (6'8") | 2040 (6'8") | 2040 (6'8") | 2260 (7'5") |
| | | | | Overall width | mm (fi.in) | 1790 (5'10") | 1870 (6'2") | 1790 (5'10") | 2120 (6'11") |
| | | | | Overall height | mm (fi.in) | 1870 (6'2") | 1880 (6'2") | 1870 (6'2") | 1800 (5'11") |
| | | | | Weight | ton (US. ton) | 2.5 (2.8) | 3.0 (3.3) | 2.5 (2.8) | 3.4 (3.7) |
| | | | Cylinder | Overall length | mm (fi.in) | 3110 (10'2") | 3110 (10'2") | 3110 (10'2") | 3110 (10'2") |
| | | | | Weight | ton (US. ton) | 1.8 (2.0) | 1.8 (2.0) | 1.8 (2.0) | 1.8 (2.0) |
| | (2) | Upper Structure | | Overall length | mm (fi.in) | 4970 (16'4") | 4970 (16'4") | 4970 (16'4") | 4970 (16'4") |
| | | | | Overall width | mm (fi.in) | 3195 (10'6") | 3195 (10'6") | 3195 (10'6") | 3195 (10'6") |
| | | | | Overall height | mm (fi.in) | 2500 (8'2") | 2500 (8'2") | 2500 (8'2") | 2500 (8'2") |
| | | | | Weight | ton (US. ton) | 16.8 (18.5) | 16.9 (18.6) | 16.8 (18.5) | 16.8 (18.5) |
| | (3) | Undercarriage | | Overall length | mm (fi.in) | 5340 (17'6") | 5370 (17'7") | 5690 (18'8") | 5340 (17'6") |
| | | | | Overall width | mm (fi.in) | 875 (2'11") | 875 (2'11") | 875 (2'11") | 875 (2'11") |
| | | | | Overall height | mm (fi.in) | 1260 (4'2") | 1290 (4'3") | 1260 (4'2") | 1260 (4'2") |
| | | | | Weight | ton (US. ton) | 16.4 (18.1) | 17.4 (19.2) | 17.4 (19.2) | 16.4 (18.1) |
| | (4) | Others (Counterweight) | | Overall length | mm (fi.in) | 3195 (10'6") | 3195 (10'6") | 3195 (10'6") | 3195 (10'6") |
| | | | | Overall width | mm (fi.in) | 680 (2'3") | 680 (2'3") | 680 (2'3") | 680 (2'3") |
| | | | | Overall height | mm (fi.in) | 1330 (4'4") | 1330 (4'4") | 1330 (4'4") | 1330 (4'4") |
| | | | | Weight | ton (US. ton) | 10.75 (11.8) | 10.75 (11.8) | 10.75 (11.8) | 10.75 (11.8) |
| Three-part | (1) | Work Equipment | | The same as four-part transportation | | | | | |
| | (2) | Base Machine | | Overall length | mm (fi.in) | 6170 (20'3") | 6180 (20'4") | 6340 (20'10") | 6170 (20'3") |
| | | | | Overall width | mm (fi.in) | 3195 (10'6") | 3195 (10'6") | 3195 (10'6") | 3195 (10'6") |
| | | | | Overall height | mm (fi.in) | 3330 (10'11") | 3340 (11'0") | 3330 (10'11") | 3330 (10'11") |
| | | | | Weight | ton (US. ton) | 33.2 (36.6) | 34.3 (37.8) | 34.2 (37.7) | 33.2 (36.6) |
| | (3) | Others (Counterweight) | | The same as four-part transportation | | | | | |



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## PC700LC-8E0, PC700LC-8R

### Four-part transportation

Unit: mm (ft.in)

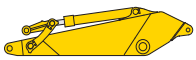
(1) Work equipment assembly

Boom




FVPM3162

Arm



FVPM3163

Bucket



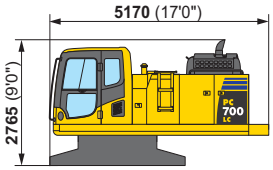
Boom & arm cylinder



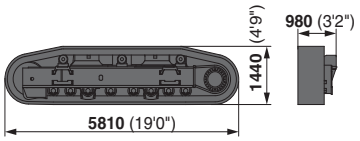
FVPM3164

(2) Upper structure

Width: 3170 (10'5")

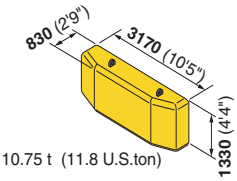


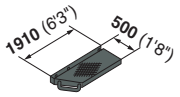

(3) Undercarriage



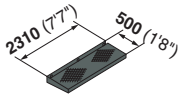

FVPM3166A

(4) Others




32kg (70 lb)




37kg (82 lb)

FVPM3167A

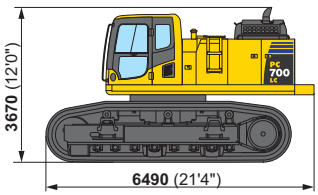
### Three-part transportation

(1) Work equipment assembly

The same as four-part transportation

(2) Base machine

Max. width: 3170 (10'5")




(3) Others

The same as four-part transportation

* KOMTRAX (optional) with an antenna when mounted

| | Boom length mm (ft.in) | Arm length mm (ft.in) | Bucket capacity $m^3$ (cu.yd) | Shoes width mm (in) |
|---|---|---|---|---|
| PC700LC-8E0, PC700LC-8R | 7660 (25'2") | 3500 (11'6") | 2.7 (3.53) | 610 (24") Double |
| PC700LC-8E0, PC700LC-8R (HD Spec.) | 7330 (23'11") | 3500 (11'6") | 2.8 (3.66) | 610 (24") Double |
| PC700LC-8E0, PC700LC-8R (SE Spec.) | 6600 (21'8") | 2900 (9'6") | 3.5 (4.58) | 610 (24") Double |

| Work Equipment | | Length mm (ft.in) | Height mm (ft.in) | Width mm (ft.in) | Weight ton (US ton) |
|---|---|---|---|---|---|
| PC700LC-8E0, PC700LC-8R | Boom | 7920 (26'0") | 2040 (6'8") | 1190 (3'11") | 4.9 (5.4) |
| | Arm | 4870 (16'0") | 1210 (16'0") | 650 (2'2") | 3.3 (3.6) |
| | Bucket | 2150 (7'1") | 1780 (5'8") | 1780 (5'10") | 2.5 (2.8) |
| PC700LC-8E0, PC700LC-8R (HD Spec.) | Boom | 7530 (24'8") | 1960 (6'5") | 1190 (3'11") | 4.7 (5.2) |
| | Arm | 4870 (16'0") | 1240 (4'0") | 650 (2'2") | 3.3 (3.6) |
| | Bucket | 2150 (7'1") | 1780 (5'10") | 1920 (6'4") | 3.1 (3.4) |
| PC700LC-8E0, PC700LC-8R (SE Spec.) | Boom | 6870 (22'6") | 2090 (6'10") | 1190 (3'11") | 4.8 (5.3) |
| | Arm | 4230 (13'10") | 1490 (4'11") | 650 (2'2") | 3.5 (3.9) |
| | Bucket | 2150 (7'1") | 1780 (5'8") | 2040 (6'8") | 3.4 (3.7) |



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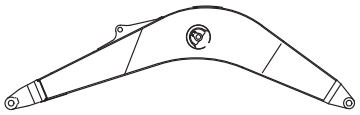


## PC750/800-7 (for Russia)

### Four-part transportation

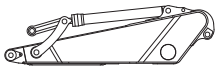
(1) Work equipment assembly

Boom



FVPM3075

Arm

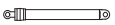


FVPM2405

Bucket

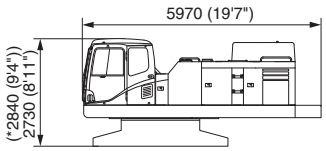


Boom, arm cylinder



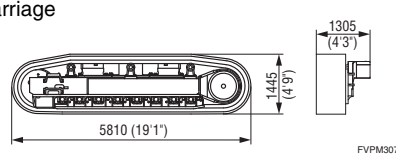
FVPM3064

(2) Upper structure



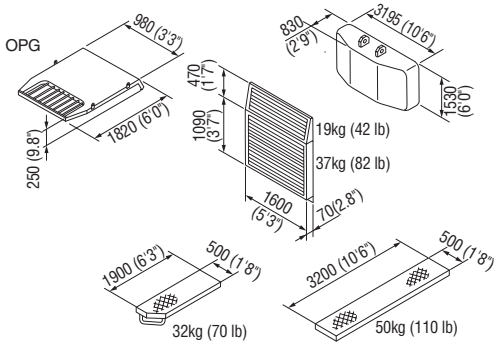

FVPM3065

(3) Undercarriage




FVPM3076

(4) Others




OPG (PC800/SE spec. only)

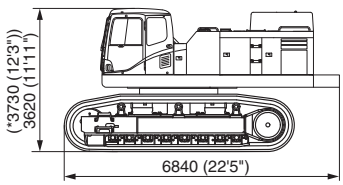
FVPM3066

### Three-part transportation

(1) Work equipment assembly

The same as four-part transportation

(2) Base machine




FVPM3067

(3) Others

The same as four-part transportation

* KOMTRAX (optional) with an antenna when mounted



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## PC750-7, PC750-7 (SE spec.) (for Russia)

### Four-part transportation

| | | | Length mm (ft.in) | Width mm (ft.in) | Height mm (ft.in) | Weight ton (US ton) |
|---|---|---|---|---|---|---|
| **1. Work equipment.** | | | | | | |
| Backhoe | Boom | PC750-7 | 8505 (27'11") | 1500 (4'11") | 2610 (8'7") | 7.4 (8.2) |
| | | PC750-7 (SE spec.) | 7405 (24'4") | 1500 (4'11") | 2465 (8'1") | 6.8 (7.6) |
| | Arm | PC750-7 | 5105 (16'9") | 750 (2'6") | 1325 (4'4") | 4.0 (4.4) |
| | | PC750-7 (SE spec.) | 4075 (13'4") | 755 (2'6") | 1695 (5'7") | 4.9 (5.4) |
| | Bucket | PC750-7 | 2365 (7'9") | 1845 (6'1") | 1850 (6'1") | 3.0 (3.3) |
| | | PC750-7 (SE spec.) | 2200 (7'3") | 2105 (6'11") | 1950 (6'5") | 3.4 (3.7) |
| | Boom cylinder | PC750-7/PC750 (SE spec.) | 3235 (10'7") | — | — | 0.79 × 2 (0.87 × 2) |
| | Arm cylinder | PC750-7 | 3580 (11'9") | — | — | 0.88 (0.97) |
| | | PC750-7 (SE spec.) | 2595 (8'6") | | | 0.5 × 2 (0.55 × 1) |
| 2. Upper structure | | | 5970 (19'7") | 3195 (10'6") | 2730 (8'11")* | 24.8 (27.3) |
| 3. Undercarriage | | PC750-7/PC750-7 (SE spec.) | 5810 (19'1") | 1305 (4'3") | 1445 (4'9") | 20.7 (22.8) |
| 4. Other (counterweight, etc.) | | | — | — | — | 10.0 (11.0) |

* With KOMTRAX (optional) antenna: 2840 ( 9' 4")

### Three-part transportation

| | | Length mm (ft.in) | Width mm (ft.in) | Height mm (ft.in) | Weight ton (US ton) |
|---|---|---|---|---|---|
| 1. Work equipment | | The same as four-part structure | | | |
| 2. Base machine | PC750-7/PC750-7 (SE spec.) | 6840 (22'5") | 3390 (11'1") | 3620 (11'1") | 45.5 (50.2) |
| 3. Other | | The same as four-part structure | | | |

* With KOMTRAX (optional) antenna: 3730 (12' 3")

## PC800-7, PC800-7 (SE spec.)

### Four-part transportation

| | | | Length mm (ft.in) | Width mm (ft.in) | Height mm (ft.in) | Weight ton (US ton) |
|---|---|---|---|---|---|---|
| **1. Work equipment** | | | | | | |
| Backhoe | Boom | PC800-7 | 8345 (27'5") | 1500 (4'11") | 2600 (8'6") | 7.7 (8.5) |
| | | PC800-7 (SE spec.) | 7405 (24'4") | 1500 (4'11") | 2465 (8'1") | 6.9 (7.6) |
| | Arm | PC800-7 | 4800 (15'9") | 750 (2'6") | 1410 (4'8") | 4.5 (5.0) |
| | | PC800-7 (SE spec.) | 4075 (13'4") | 755 (2'6") | 1695 (5'7") | 4.9 (5.4) |
| | Bucket | PC800-7 | 2390 (7'10") | 1870 (6'2") | 1850 (6'1") | 3.5 (3.9) |
| | | PC800-7 (SE spec.) | 2200 (7'2") | 2255 (7'5") | 1950 (6'5") | 3.9 (4.3) |
| | Boom cylinder | PC800-7/PC800-7 (SE spec.) | 3235 (10'7") | — | — | 0.79 × 2 (0.87 × 2) |
| | Arm cylinder | PC800-7/PC800-7 (SE spec.) | 2595 (8'6") | — | — | 0.5 × 2 (0.55 × 1) |
| 2. Upper structure | | | 5970 (19'7") | 3195 (10'6") | 2730 (8'11") | 24.9 (27.4) |
| 3. Undercarriage | | | 5810 (19'1") | 1305 (4'3") | 1445 (4'9") | 21.2 (23.4) |
| 4. Other (counterweight, etc.) | | | — | — | — | 12.2 (13.4) |

### Three-part transportation

| | Length mm (ft.in) | Width mm (ft.in) | Height mm (ft.in) | Weight ton (US ton) |
|---|---|---|---|---|
| 1. Work equipment | The same as four-part structure | | | |
| 2. Base machine | 6840 (22'5") | 3390 (11'1") | 3620 (11'11") | 46.1 (50.8) |
| 3. Other | The same as four-part structure | | | |



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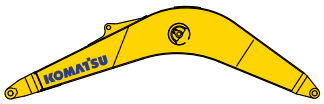


## PC800/850-8E0, PC800/850-8R1

### Four-part transportation

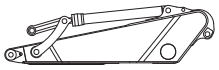
(1) Work equipment assembly

Boom




FVPM3075

Arm

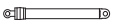


FVPM2405

Bucket



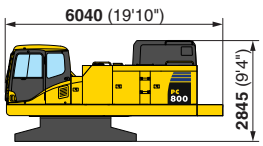
Boom, arm cylinder



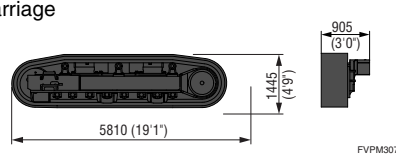
FVPM3064

(2) Upper structure

Width: 3290 (10'10")

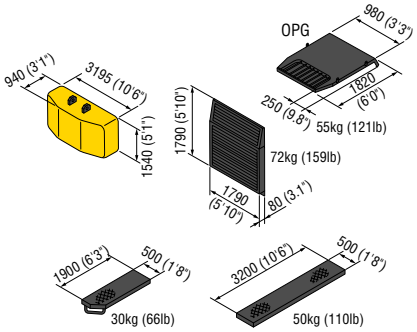



(3) Undercarriage




FVPM3076

(4) Others



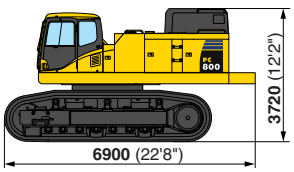

OPG (PC850/SE spec. only)

### Three-part transportation

(1) Work equipment assembly

The same as four-part transportation

(2) Base machine




(3) Others

The same as four-part transportation

* KOMTRAX (optional) with an antenna when mounted



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**PC800/850-8E0, PC800/850-8R1**

**Specification Table for Transportation**

| No. of Part for Transportation | | Item | | Related Specifications | | PC800-8E0 PC800-8R1 | PC800-8E0, R1 (SE spec.) | PC850-8E0 PC850-8R1 | PC850-8E0, R1 (SE spec.) |
|---|---|---|---|---|---|---|---|---|---|
| Four-part | (1) | Work Equipment | Boom | Overall length | mm (fi.in) | 8530 (28'0") | 7430 (24'5") | 8370 (27'6") | 7430 (24'5") |
| | | | | Overall width | mm (fi.in) | 1500 (4'11") | 1500 (4'11") | 1500 (4'11") | 1500 (4'11") |
| | | | | Overall height | mm (fi.in) | 2615 (8'7") | 2480 (8'2") | 2695 (8'10") | 2480 (8'2") |
| | | | | Weight | ton (US. ton) | 7.9 (8.7) | 7.3 (8.0) | 8.1 (8.9) | 7.3 (8.0) |
| | | | Arm | Overall length | mm (fi.in) | 5115 (16'9") | 4075 (13'4") | 4765 (15'8") | 4075 (13'4") |
| | | | | Overall width | mm (fi.in) | 710 (2'4") | 715 (2'4") | 710 (2'4") | 715 (2'4") |
| | | | | Overall height | mm (fi.in) | 1365 (4'6") | 1690 (5'7") | 1450 (4'9") | 1690 (5'7") |
| | | | | Weight | ton (US. ton) | 4.0 (4.4) | 4.9 (5.4) | 4.5 (5.0) | 4.9 (5.4) |
| | | | Bucket | Overall length | mm (fi.in) | 2430 (8'0") | 2280 (7'6") | 2470 (7'9") | 2280 (7'6") |
| | | | | Overall width | mm (fi.in) | 1875 (6'2") | 2100 (6'11") | 2070 (6'9") | 2250 (7'5") |
| | | | | Overall height | mm (fi.in) | 1855 (6'1") | 1950 (6'5") | 1880 (6'2") | 1950 (6'5") |
| | | | | Weight | ton (US. ton) | 2.9 (3.2) | 3.4 (3.7) | 3.8 (4.2) | 3.8 (4.2) |
| | | | Cylinder | Overall length | mm (fi.in) | 3580 (11'9") | 3235 (10'7") | 3235 (10'7") | 3235 (10'7") |
| | | | | Weight | ton (US. ton) | 2.3 (2.5) | 2.5 (2.8) | 2.3 (2.5) | 2.5 (2.8) |
| | (2) | Upper Structure | | Overall length | mm (fi.in) | 6040 (19'10") | 6040 (19'10") | 6040 (19'10") | 6040 (19'10") |
| | | | | Overall width | mm (fi.in) | 3225 (10'7") | 3225 (10'7") | 3225 (10'7") | 3225 (10'7") |
| | | | | Overall height | mm (fi.in) | 2845 (9'4") | 2845 (9'4") | 2845 (9'4") | 2845 (9'4") |
| | | | | Weight | ton (US. ton) | 26.3 (29.0) | 26.3 (29.0) | 26.4 (29.1) | 26.4 (29.1) |
| | (3) | Undercarriage | | Overall length | mm (fi.in) | 5810 (19'1") | 5810 (19'1") | 5810 (19'1") | 5810 (19'1") |
| | | | | Overall width | mm (fi.in) | 905 (3'0") | 905 (3'0") | 1000 (3'3") | 1000 (3'3") |
| | | | | Overall height | mm (fi.in) | 1445 (4'9") | 1445 (4'9") | 1445 (4'9") | 1445 (4'9") |
| | | | | Weight | ton (US. ton) | 21.2 (23.4) | 21.2 (23.4) | 21.7 (23.9) | 21.7 (23.9) |
| | (4) | Others (Counterweight) | | Overall length | mm (fi.in) | 3195 (10'6") | 3195 (10'6") | 3195 (10'6") | 3195 (10'6") |
| | | | | Overall width | mm (fi.in) | 940 (3'1") | 940 (3'1") | 940 (3'1") | 940 (3'1") |
| | | | | Overall height | mm (fi.in) | 1540 (5'1") | 1540 (5'1") | 1540 (5'1") | 1540 (5'1") |
| | | | | Weight | ton (US. ton) | 10.3 (11.4) | 10.3 (11.4) | 12.4 (13.7) | 12.4 (13.7) |
| Three-part | (1) | Work Equipment | | The same as four-part transportation | | | | | |
| | (2) | Base Machine | | Overall length | mm (fi.in) | 6900 (22'8") | 6900 (22'8") | 6900 (22'8") | 6900 (22'8") |
| | | | | Overall width | mm (fi.in) | 3390 (11'1") | 3390 (11'1") | 3390 (11'1") | 3390 (11'1") |
| | | | | Overall height | mm (fi.in) | 3720 (12'2") | 3720 (12'2") | 3720 (12'2") | 3720 (12'2") |
| | | | | Weight | ton (US. ton) | 47.1 (51.9) | 47.1 (51.9) | 47.7 (52.6) | 47.7 (52.6) |
| | (3) | Others (Counterweight) | | The same as four-part transportation | | | | | |



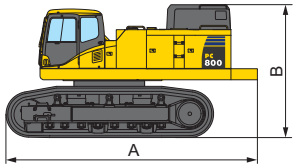
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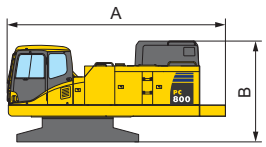
## PC800/850-8 (UK source)

### Base machine



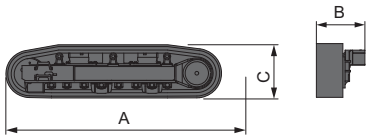

| | | PC800-8 | PC800LC-8 |
|---|---|---|---|
| A | mm (ft.in) | 6900 (22'8") | 7160 (23'6") |
| B | mm (ft.in) | 3890 (12'9") | 3890 (12'9") |
| Overall width | mm (ft.in) | 3535 (11'7") | 3535 (11'7") |
| Weight | ton (U.S. ton) | 49.5 (54.6) | 51.7 (57.0) |

### Upper structure



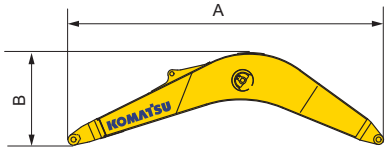

| | | |
|---|---|---|
| A | mm (ft.in) | 6040 (19'10") |
| B | mm (ft.in) | 3005 (9'10") |
| Overall width | mm (ft.in) | 3295 (10'10") |
| Weight | ton (U.S. ton) | 27.0 (29.8) |

### Undercarriage



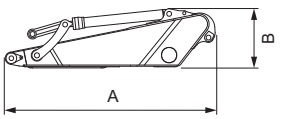

| | | PC800-8 | PC800LC-8 |
|---|---|---|---|
| Quantity | | 2 | 2 |
| A | mm (ft.in) | 5810 (19'1") | 6330 (20'9") |
| B | mm (ft.in) | 1000 (3'3") | 1000 (3'3") |
| C | mm (ft.in) | 1445 (4'9") | 1445 (4'9") |
| Weight | ton (U.S. ton) | 22.0 (24.3)<br>{2 x 11.0 (12.1)} | 24.2 (26.7)<br>{2 x 12.1 (13.3)} |

### Boom



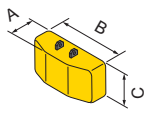

| | | | |
|---|---|---|---|
| Boom length | m (ft.in) | 7.1 (23'4") | 8.0 (26'3") |
| A | mm (ft.in) | 7430 (24'5") | 8380 (27'6") |
| B | mm (ft.in) | 2695 (8'10") | 2695 (8'10") |
| Overall width | mm (ft.in) | 1500 (4'11") | 1500 (4'11") |
| Weight | ton (U.S. ton) | 7.3 (8.0) | 8.2 (9.0) |

### Arm




| | | | |
|---|---|---|---|
| Arm length | m (ft.in) | 2.9 (9'6") | 3.6 (11'10") |
| A | mm (ft.in) | 4080 (13'5") | 5120 (16'10") |
| B | mm (ft.in) | 1695 (5'7") | 1420 (4'8") |
| Overall width | mm (ft.in) | 750 (2'6") | 750 (2'6") |
| Weight | ton (U.S. ton) | 4.9 (5.4) | 4.9 (5.4) |

### Counterweight




| | | |
|---|---|---|
| A | mm (ft.in) | 950 (3'1") |
| B | mm (ft.in) | 3195 (10'6") |
| C | mm (ft.in) | 1540 (5'1") |
| Weight | ton (U.S. ton) | 11.85 (13.1) |

### Cylinders

Boom cylinder

| | | |
|---|---|---|
| A | mm (ft.in) | 3235 (10'7") |
| Weight | kg (lb) | 1550 (3,420)<br>{2 x 755 (1,660)} |

Arm cylinder

| | | |
|---|---|---|
| A | mm (ft.in) | 2595 (8'6") |
| Weight | kg (lb) | 990 (2,180)<br>{2 x 495 (1,090)} |



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**PC1250/1250 (SP spec.)/1250LC-8, PC1250/1250-8R (SP spec.)**

## 1. Work equipment ass'y (Backhoe)

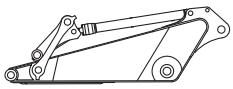
PC1250: 25.3t (27.9 US.ton)
PC1250 (SP spec.): 27.7t (30.5 US.ton)

### Boom



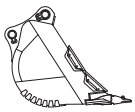

PC1250: 11.2t 9475x2894x1474
(12.3USt) (31'1")x(9'6")x(4'10")
PC1250 (SP spec.): 11.1t 8170x3095x1474
(12.2USt) (26'10")x(10'2")x(4'10") FVBH0174

### Arm



PC1250:5.9t 4895x1626x890
(6.5USt) (16'1")x(5'4")x(2'11")
:6.2t (6.8USt) (Heavy-duty version)
PC1250 (SP spec.):6.4t 4914x1683x890
(7.1USt) (16'1")x(5'6")x(2'11") FVBH0175

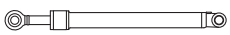
### Bucket



PC1250:4.3t 2700x2100x2050
(4.7USt) (8'10")x(6'11")x(6'9")
:5.5t 2580x2276x2250
(6.1USt) (8'6")x(7'6")x(7'5")
(Heavy-duty version)
PC1250 (SP spec.):5.9t 2527x2420x2520
(6.5USt) (8'3")x(7'11")x(8'3") FVBH0176

### Arm cylinder

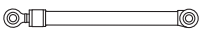
1.5t (1.7USt)



Length: 3950 (13'0")

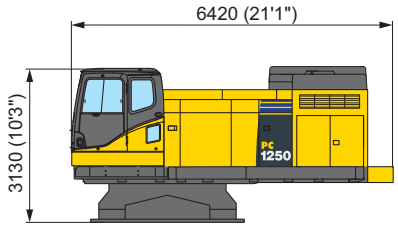
### Boom cylinder

2.4t [1.2tx2]
(2.64USt) (1.32USt x2)



Length: 3810 (12'6") FVBH0177

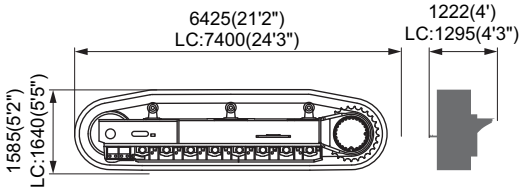
## 2. Upper structure




Width:3490 (11'9")
Weight:23.9t (26.3USt)

FVBH0178

## 3. Undercarriage



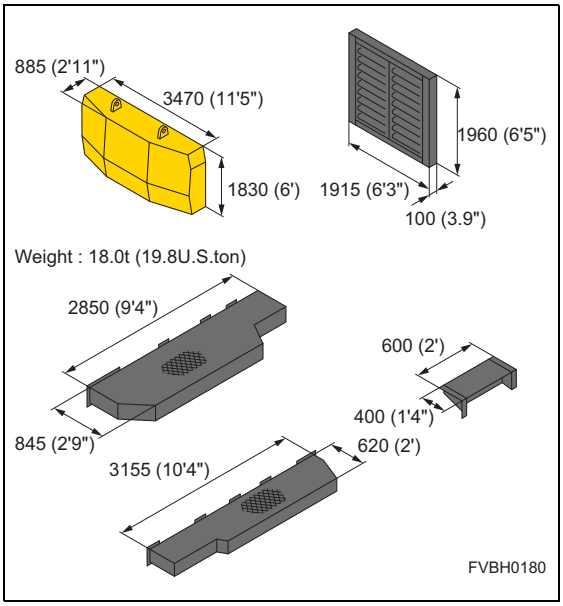

Weight
PC1250:30.0t (33.1USt)
15.0t x2(16.5x2USt)
PC1250 (SP spec.):30.9t(34.1USt)*
15.45t x2(17.0x2USt)
PC1250LC:38t (41.9USt)
19t x2(20.9x2USt)

FVBH0179

* With full length roller guard

## 4. Others

18.4t (20.3 US.ton)




FVBH0180



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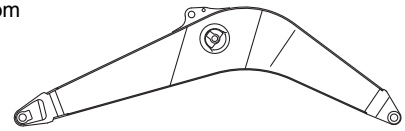


**PC1250/1250-7 (SP spec.)**

1. Work equipment ass'y (Backhoe)

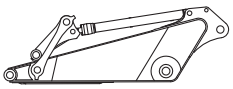
PC1250: 25.1t (27.7 US.ton)
PC1250 (SP spec.): 27.0t (29.8 US.ton)

Boom



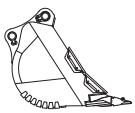
PC1250: 11.0t 9475x2894x1474
(12.1USt) (31'1")x(9'6")x(4'10")
PC1250 (SP spec.): 10.9t 8170x3095x1474
(12.0USt) (26'10")x(10'2")x(4'10") FVBH0174

Arm



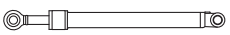
PC1250:5.9t 4895x1626x890
(6.5USt) (16'1")x(5'4")x(2'11")
PC1250 (SP spec.):6.3t 4914x1683x890
(6.9USt) (16'1")x(5'6")x(2'11") FVBH0175

Bucket

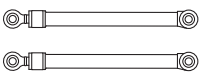


PC1250:4.3t 2700x2100x2050
(4.7USt) (8'10")x(6'11")x(6'9")
PC1250 (SP spec.):5.9t 2527x2420x2520
(6.5USt) (8'3")x(7'11")x(8'3") FVBH0176

Arm cylinder
1.5t (1.7USt)

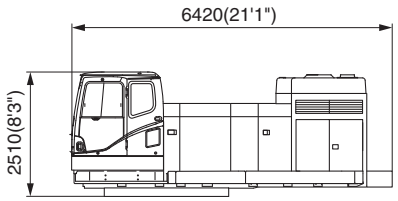


Boom cylinder
2.4t [1.2tx2]
(2.64USt) (1.32USt x2)



FVBH0177

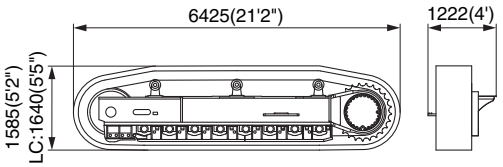
2. Upper structure




Width:3490 (11'9")
Weight:23.9t (26.3USt)

FVBH0178

3. Undercarriage

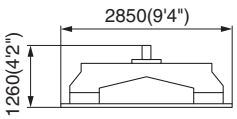



Weight
PC1250:30.0t (33.1USt)
15.0t x2(16.5x2USt)
PC1250 (SP spec.):30.9t(34.1USt)*
15.45t x2(17.0x2USt)
* With full length roller guard

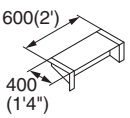
FVBH0179

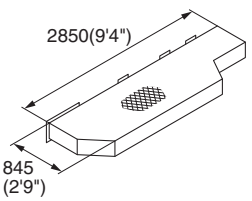
4. Others

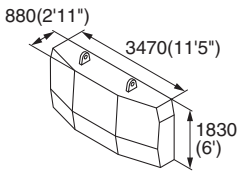
27.7t (30.5 US.ton)



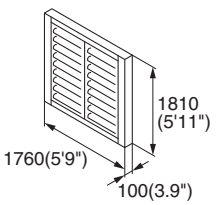

Width:3540 (11'7")
Weight:9.3t (10.3USt)

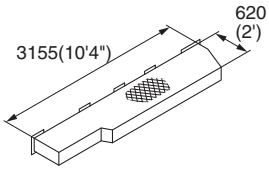



18.0t(19.8USt)




FVBH0180

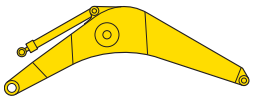
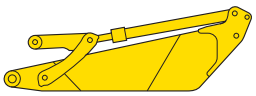
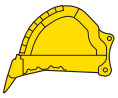
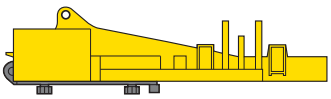
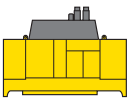
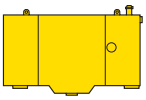
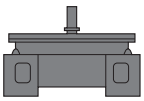
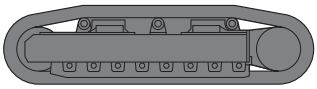
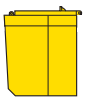


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**PC2000-8**

| Unit name / Dimension | Length mm (ft.in.) | Width mm (ft.in.) | Height mm (ft.in.) | Weight ton (U.S. ton) |
|---|---|---|---|---|
| 1. Boom  | 9170 (30'1") | 2065 (6'9") | 3195 (10'6") | 20.9 (23.0) |
| 2. Arm  | 5495 (18'0") | 1605 (5'3") | 2055 (6'9") | 12.9 (14.2) |
| 3. Bucket  | 3540 (11'7") | 2790 (9'2") | 2320 (7'7") | 9.7 (10.7) |
| 4. Revolving frame  | 7575 (24'10") | 3180 (10'5") | 2640 (8'8") | 26.5 (29.2) |
| 5. Power module  | 2515 (17'1") | 2455 (8'1") | 3195 (10'6") | 16.1 (17.7) |
| 6. Fuel tank  | 3100 (10'2") | 875 (2'10") | 2070 (6'10") | 2.4 (2.65) |
| 7. Center frame  | 3815 (12'6") | 3190 (10'6") | 2210 (7'3") | 18.0 (19.8) |
| 8. Undercarriage  | 7435 (24'5") | 1720 (5'8") | 1920 (6'4") | 26.0 × 2 (28.1 × 2) |
| 9. Cab base  | 3660 (12'0") | 2505 (8'3") | 2700 (8'10") | 2.5 (2.8) |
| 10. Operator cab  | 2885 (9'6") | 1880 (6'2") | 2520 (8'3") | 1.8 (1.98) |
| 11. Counterweight  | 6420 (21'1") | 1115 (3'8") | 1505 (4'11") | 24.5 (27.0) |
| 12. Hydraulic tank  | 1860 (6'1") | 1115 (3'8") | 2125 (7'0") | 3.5 (3.86) |
| 13. Cylinders and Others | | | | 9.7 (10.7) |

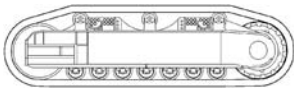
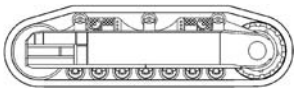
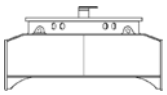
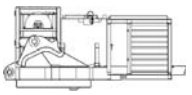
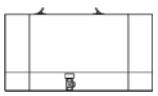
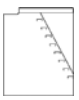
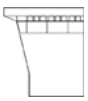
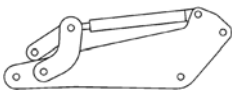


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**PC3000-6**

| Unit name / Dimension | Length mm (ft.in.) | Width mm (ft.in.) | Height mm (ft.in.) | Weight ton (U.S. ton) |
|---|---|---|---|---|
| Left Crawler Side Frame with 800 mm (31.5") Tracks  | 7930 (26'0") | 1600 (5'3") | 2210 (7'3") | 31.9 (35.2) |
| Right Crawler Side Frame with 800 mm (31.5") Tracks  | 7930 (26'0") | 1600 (5'3") | 2210 (7'3") | 31.9 (35.2) |
| Carbody with Rotary Joint  | 4020 (13'2") | 3630 (11'11") | 2130 (7'0") | 19.5 (21.5) |
| Superstructure Platform with Machine House incl. 1 Diesel Engine, Hydraulic Tank and Hydraulic Cooler  | 7950 (26'1") | 5250 (17'3") | 3600 (11'10") | 70 (77.2) |
| Counterweight  | 5050 (16'7") | 1050 (3'5") | 2840 (9'4") | 30.5 (33.6) |
| Fuel Tank  | 2220 (7'3") | 1600 (5'3") | 2790 (9'2") | 2.3 (2.5) |
| Cab Base  | 2520 (8'3") | 2300 (7'7") | 2800 (9'2") | 3.25 (3.6) |
| Boom 8.6 m (28'3")  | 9200 (30'2") | 2450 (8'0") | 3100 (10'2") | 26.3 (29.0) |
| Arm 4.0 m (13'1") with 2 cylinders, link and rod  | 5670 (18'7") | 2010 (6'7") | 2100 (6'11") | 9.25 (10.2) |
| Backhoe Bucket 15 $m^3$ (19.6 cu.yd) SAE incl. Standard Wear Package WP 2  | 3580 (11'9") | 3530 (11'7") | 3120 (10'3") | 16.1 (17.7) |
| Case with Accessories | 3500 (11'6") | 2400 (7'10") | 3150 (10'4") | 3.8 (4.2) |
| Case with Accessories | 5800 (19'0") | 2500 (8'2") | 2000 (6'7") | 4 (4.4) |
| Case with Accessories | 4900 (16'1") | 1300 (4'3") | 1540 (5'1") | 5.3 (5.8) |
| Case with Accessories | 4900 (16'1") | 1300 (4'3") | 1540 (5'1") | 7 (7.7) |

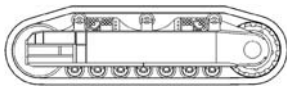
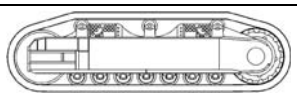
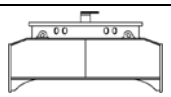
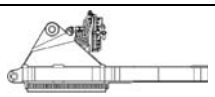
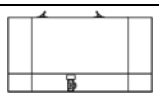
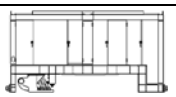
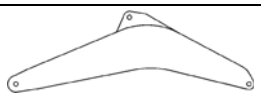
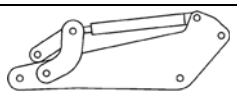


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**PC4000-6**

| Unit name / Dimension | Length mm (ft.in.) | Width mm (ft.in.) | Height mm (ft.in.) | Weight ton (U.S. ton) |
|---|---|---|---|---|
| Left Crawler Side Frame with 1200 mm (47.2") Tracks  | 8850 (29'0") | 1600 (5'3") | 2500 (8'2") | 58.0 (63.9) |
| Right Crawler Side Frame with 1200 mm (47.2") Tracks  | 8850 (29'0") | 1600 (5'3") | 2500 (8'2") | 58.0 (63.9) |
| Carbody with Rotary Joint  | 4670 (15'4") | 4070 (13'4") | 2270 (7'5") | 30.1 (33.2) |
| Superstructure Platform  | 8430 (27'8") | 4435 (14'7") | 3930 (12'11") | 50.3 (55.4) |
| Counterweight  | 6100 (20'0") | 950 (3'1") | 3320 (10'11") | 37 (40.8) |
| Main Machinery House incl. 1 Diesel Engine  | 6500 (21'4") | 2750 (9'0") | 3250 (10'8") | 30.4 (33.5) |
| Fuel Tank  | 2390 (7'10") | 2060 (6'9") | 3280 (10'9") | 3.5 (3.9) |
| Hydraulic Tank  | 2400 (7'10") | 1370 (4'6") | 3300 (10'10") | 3.4 (3.7) |
| Cab Base  | 2400 (7'10") | 2060 (6'9") | 3020 (9'11") | 3.8 (4.2) |
| Boom 9.75 m (32')  | 10450 (34'3") | 2700 (8'10") | 3700 (12'2") | 34.1 (37.6) |
| Arm 4.5 m (14'9") with 2 cylinders, linkage and rod  | 6300 (20'8") | 1900 (6'3") | 2500 (8'2") | 25.2 (27.8) |
| Backhoe Bucket 22 $m^3$ (28.8 cu.yd) SAE incl. Standard Wear Package WP 2  | 3800 (12'6") | 4000 (13'1") | 3600 (11'10") | 23.4 (25.9) |
| Case with Oil Cooler | 5770 (18'11") | 2490 (8'2") | 1980 (6'6") | 3.4 (3.7) |
| Case with Driver's Cab and with intermediate base | 3890 (12'9") | 3290 (10'10") | 3280 (10'9") | 5 (5.5) |
| Case with Accessories | 5800 (19'0") | 2500 (8'2") | 2100 (6'11") | 4 (4.4) |
| Case with Accessories | 5870 (19'3") | 1290 (4'3") | 1480 (4'10") | 6 (6.6) |
| Case with Accessories | 5870 (19'3") | 1290 (4'3") | 1480 (4'10") | 9 (9.9) |

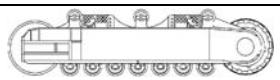
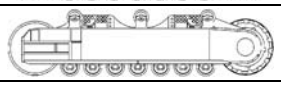
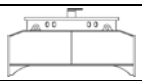
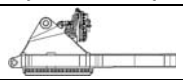
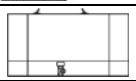
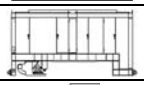
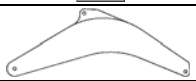
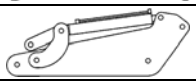


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**PC5500-6**

| Unit name / Dimension | Length mm (ft.in.) | Width mm (ft.in.) | Height mm (ft.in.) | Weight ton (U.S. ton) |
|---|---|---|---|---|
| Left Crawler Side Frame without Tracks  | 9300 (30'6") | 1500 (4'11") | 2300 (7'7") | 40 (44.1) |
| Right Crawler Side Frame without Tracks  | 9300 (30'6") | 1500 (4'11") | 2300 (7'7") | 40 (44.1) |
| 6 × 1 Chain with 12 Track Shoes 1350 mm (53") each 8.55 t (9.4 US ton)  | 6000 (19'8") | 1350 (4'5") | 400 (1'4") | 51.3 (56.5) |
| 2 × 1 Chain with 10 Track Shoes 1350 mm (53") each 7.1 t (7.8 US ton)  | 5050 (16'7") | 1350 (4'5") | 400 (1'4") | 14.2 (15.7) |
| Carbody with Rotary Joint  | 5130 (16'10") | 4690 (15'7") | 2380 (7'10") | 45 (49.6) |
| Superstructure Platform  | 9650 (31'7") | 4510 (14'10") | 4400 (14'5") | 85 (93.6) |
| Counterweight  | 6600 (21'8") | 1140 (3'9") | 3320 (10'11") | 42 (46.3) |
| Main Machinery House incl. 2 Diesel Engines  | 7100 (23'4") | 4050 (13'3") | 3300 (10'10") | 46.5 (51) |
| Fuel Tank  | 2800 (9'2") | 2250 (7'5") | 3300 (10'10") | 7 (7.7) |
| Hydraulic Tank  | 2390 (7'10") | 1300 (4'3") | 3300 (10'10") | 3.4 (3.7) |
| Cab Base  | 2200 (7'3") | 1950 (6'5") | 3050 (10'0") | 3.8 (4.2) |
| Boom 11 m (36'1")  | 11800 (38'8") | 3300 (10'10") | 3000 (9'10") | 51.1 (56.3) |
| Arm 5.1 m (18'1")  | 7200 (23'8") | 2200 (7'2") | 2300 (7'7") | 32.5 (35.7) |
| Backhoe 29 $m^3$ (37.9 cu.yd) SAE incl. Standard Wear Package WP 2  | 4400 (14'5") | 4400 (14'5") | 3800 (12'6") | 33.5 (36.9) |
| Case with Oil Cooler | 4000 (13'1") | 2700 (8'10") | 2300 (7'7") | 5.4 (6.0) |
| Case with Driver's Cab and with Intermediate Base | 4000 (13'1") | 3300 (10'10") | 3200 (10'6") | 6.6 (7.3) |
| Case with 2 Gear Boxes | 5600 (18'4") | 2700 (8'10") | 2250 (7'5") | 16.6 (18.3) |
| Case with 2 Boom Cylinders | 6400 (21'0") | 1400 (4'7") | 1520 (5'0") | 12.3 (13.6) |
| Case with 2 Stick Cylinders | 5600 (18'4") | 1300 (4'3") | 1520 (5'0") | 8.7 (9.6) |
| Case with Accessories | 3900 (12'10") | 2500 (8'2") | 2550 (8'4") | 3.2 (3.5) |
| Case with Accessories | 5800 (19'0") | 2500 (8'2") | 2150 (7'1") | 3.50 (3.9) |

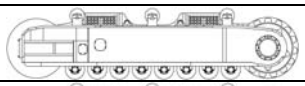
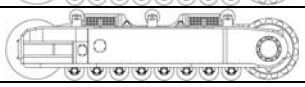
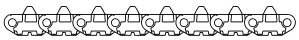
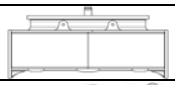
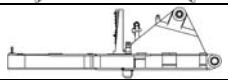
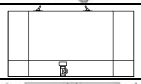
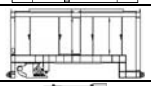
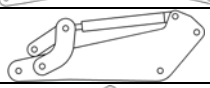


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## PC8000-6

| Unit name / Dimension | Length mm (ft.in.) | Width mm (ft.in.) | Height mm (ft.in.) | Weight ton (U.S. ton) |
|---|---|---|---|---|
| Left Crawler Side Frame without Tracks  | 10200 (33'6") | 1600 (5'2") | 2450 (8'0") | 55 (60.6) |
| Right Crawler Side Frame without Tracks  | 10200 (33'0") | 1600 (5'2") | 2450 (8'0") | 55 (60.6) |
| 9 x 1 Chain with 10 Track Shoes 1500 mm (59")  | 5040 (16'6") | 1500 (4'11") | 400 (1'4") | 91 (100.3) |
| 1 Chain with 8-Track Shoes 1500 mm (59")  | 4070 (13'4") | 1500 (4'11") | 400 (1'4") | 8.1 (8.9) |
| Carbody with Rotary Joint  | 5750 (18'10") | 5060 (16'7") | 2730 (8'11") | 59 (65.0) |
| Superstructure Platform  | 11300 (37'1") | 4750 (15'7") | 4000 (13'1") | 94 (103.6) |
| Counterweight  | 6800 (22'3") | 1250 (4'1") | 3850 (12'8") | 52.3 (57.7) |
| Main Machinery House incl. 2 Diesel Engines  | 8000 (26'3") | 5000 (16'5") | 3900 (12'10") | 62 (68.3) |
| Fuel Tank  | 3400 (11'1") | 1800 (5'11") | 3760 (12'4") | 5.6 (6.2) |
| Hydraulic Tank  | 2710 (8'11") | 1910 (6'3") | 3730 (12'3") | 7.2 (7.9) |
| Cab Base  | 2600 (8'6") | 2000 (6'6") | 3800 (12'5") | 5.4 (6.0) |
| Boom 11.5 m (37'10")  | 12500 (41'0") | 2800 (9'2") | 5100 (16'9") | 64.8 (71.4) |
| Arm 5.5 m (18'1")  | 7750 (25'5") | 2950 (9'8") | 3300 (10'9") | 45.2 (49.8) |
| Backhoe Bucket 42 $m^3$ (54.9 cu.yd) SAE incl. Standard Wear Package WP 2  | 4500 (14'9") | 4700 (15'5") | 4500 (14'9") | 48 (52.9) |
| Case with Oil Cooler | 6500 (21'4") | 2700 (8'10") | 2500 (8'2") | 11.5 (12.7) |
| Case with Slew Ring | 4950 (16'3") | 4910 (16'1") | 1015 (3'4") | 21 (23.1) |
| Case with Cab | 4000 (13'1") | 3030 (9'11") | 3150 (10'4") | 7 (7.7) |
| 20' OT Container ( belong to shipper ) with Accessories | | | | 8.5 (9.4) |
| 20' OT Container ( belong to shipper ) with Accessories | | | | 13.4 (14.8) |
| 20' OT Container ( belong to shipper ) with Accessories | | | | 20.3 (22.4) |
| 40' OT Container ( belong to shipper ) with Accessories | | | | 24.3 (26.8) |

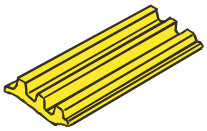
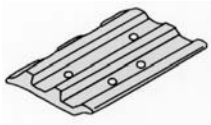
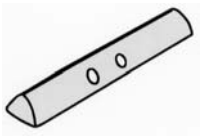
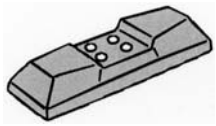
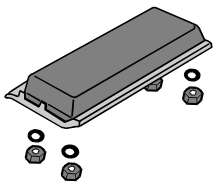


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Applications of different shoes in accordance with soil characteristics and working conditions.

| Type of shoe | Applicable soil and work | Advantages | Disadvantages | Remarks |
|---|---|---|---|---|
| 1 • Tripple grouser shoe<br>  <br>• Double grouser shoe<br>  | Hard ground<br>Suitable for both soft and hard ground | • The three grousers have the same height, hence turning ability is good.<br>• Good riding comfort is obtained as compared with a single grouser shoe.<br>• Rotating resistance is low.<br>• Because three beams are used, resistance to bending is high. | • This shoe does not readily bite into the ground, so the traction force is low. | |
| 2 Swamp shoe<br>  | Swamp areas | • Because the cross-section of this shoe is an arc, the ground contact area is large, and buoyancy is easily obtained.<br>• This shoe is particularly suitable for use in swamp areas and areas with low ground pressure. The ground surface is not damaged when the machine travels over it, so it is suitable for soil compaction and leveling work. | • Unsuitable for ground other than swampy ground. When used off swampy ground, it is liable to bend due to its low strength. | |
| 3 • Road liner (rubber)<br>  <br>• Rubber pad<br>  | Paved road<br>Indoor work | • The surface of the shoe in contact with the ground is made of rubber, so the machine can travel on paved roads without damaging the road surface.<br>• Prevents noise when machine is traveling. | • Use in the following places will shorten the cutting life of the rubber.<br>(1) Rocky ground<br>(2) Cold areas (below -25ºC)<br>(3) Hot areas (above 65ºC)<br>• Because there are no grouser, this shoe does not bite into the ground. | |



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| Model | Shoe type | Shoe width mm (in.) | Application** |
|---|---|---|---|
| PC60-8 | Triple-grouser | 450 (18")* | A |
| PC70-8 | Triple-grouser | 450 (18")* | A |
| PC71-7 | Triple-grouser | 450 (18")* | A |
| PC78US-8 | Triple-grouser | 450 (18")* | A |
| | | 600 (24") | B |
| | Rubber pad | 450 (18") | D |
| PC80MR-3 | Triple-grouser | 450 (18")* | A |
| | | 600 (24") | B |
| | Road liner | 450 (18") | D |
| PC88MR-8 | Triple-grouser | 450 (18")* | A |
| | | 600 (24") | B |
| | Rubber pad | 450 (18") | D |
| PC88MR-8*11 | Triple-grouser | 450 (18")* | A |
| | | 600 (24") | B |
| | Rubber pad | 450 (18") | D |
| | Road liner | 450 (18") | A |
| PC110-7 | Triple-grouser | 500 (20")* | A |
| | | 600 (24") | B |
| PC118MR-8 | Triple-grouser | 500 (20")* | A |
| | Road liner | 500 (20") | D |
| PC130-8<br>PC130-8*7<br>PC130-8*8 | Triple-grouser | 500 (20")* | A |
| | | 600 (24") | B |
| | | 700 (28") | C |
| PC130-7*9 | Triple-grouser | 500 (20")* | A |
| PC130-7*5 | Triple-grouser | 500 (20")* | A |
| | | 600 (24") | B |
| | | 700 (28") | C |
| PC130F-7 | Triple-grouser | 900 (35.5")* | C |
| | Single-grouser | 960 (39") | C |
| PC138US-8 | Triple-grouser | 500 (20")* | A |
| | | 600 (24") | B |
| | | 700 (28") | C |
| | Road liner | 500 (20") | D |
| PC138USLC-10*12 | Triple-grouser | 500 (20")* | A |
| | | 600 (24") | B |
| | | 700 (28") | C |
| | Road liner | 500 (20") | D |
| PC160LC-8<br>PC160LC-8*7 | Triple-grouser | 500 (20")* | A |
| | | 600 (24") | B |
| | | 700 (28") | C |
| PC160LC-8*4 | Triple-grouser | 500 (20")* | A |
| | | 600 (24") | B |
| | | 700 (28") | C |
| | | 800 (31.5") | C |
| PC160LC-8*8 | Triple-grouser | 500 (20") | A |
| | | 600 (24") | B |
| | | 700 (28")* | C |
| PC190LC-8 | Triple-grouser | 600 (24")* | A |
| | | 700 (28") | B |
| | | 800 (31.5") | C |
| PC190NLC-8 | Triple-grouser | 500 (20")* | A |
| HB205-1 | Triple-grouser | 600 (24")* | A |
| | | 700 (28") | B |
| | | 800 (31.5") | C |

* Standard shoe
** See classification of the application
*** USA source
*4 UK source
*5 China source
*6 Indnesia source
*7 Thailand source
*8 Brazil source
*9 India source
*10 Russia source
*11 Italy source
*12 for USA
*13 for UK
*14 for Russia

| Model | Shoe type | Shoe width mm (in.) | Application** |
|---|---|---|---|
| HB215LC-1 | Triple-grouser | 600 (24") | A |
| | | 700 (28")* | B |
| | | 800 (31.5") | C |
| HB215LC-1*4 | Triple-grouser | 600 (24")* | A |
| PC200-8<br>PC200-8M0<br>PC200-8*5<br>PC200-8M0*7<br>PC200-8*10 | Triple-grouser | 500 (20") | A |
| | | 600 (24")* | A |
| | | 700 (28") | B |
| | | 800 (31.5") | C |
| PC200-8*6 | Triple-grouser | 800 (31.5")* | C |
| PC200-8*8 | Triple-grouser | 700 (28")* | B |
| | | 800 (31.5") | C |
| PC200-7 | Triple-grouser | 500 (20") | A |
| | | 600 (24")* | A |
| | | 700 (28") | B |
| | | 800 (31.5") | C |
| PC200LC-8<br>PC200LC-8M0<br>PC200LC-8*5<br>PC200LC-8M0*7<br>PC200LC-8*10 | Triple-grouser | 600 (24") | A |
| | | 700 (28")* | B |
| | | 800 (31.5") | C |
| | | 900 (35.5") | C |
| PC200LC-8*8 | Triple-grouser | 700 (28") | B |
| | | 800 (31.5")* | C |
| PC210-10*4 | Triple-grouser | 600 (24")* | A |
| | | 700 (28") | B |
| | | 800 (31.5") | C |
| PC210-8*5 | Triple-grouser | 500 (20") | A |
| | | 600 (24")* | A |
| | | 700 (28") | B |
| | | 800 (31.5") | C |
| PC210LC-8*9 | Triple-grouser | 600 (24")* | A |
| PC210LC-8*** | Triple-grouser | 700 (28") | B |
| | | 800 (31.5")* | C |
| PC210LC-10*4 | Triple-grouser | 600 (24")* | A |
| | | 700 (28") | B |
| | | 800 (31.5") | C |
| | | 900 (35.5") | C |
| PC210NLC-8 | Triple-grouser | 500 (20")* | A |
| | | 600 (24") | B |
| | | 700 (28") | C |
| PC210LC-8*5 | Triple-grouser | 600 (24")* | A |
| | | 700 (28") | B |
| | | 800 (31.5") | C |
| PC220-8<br>PC220-8M0<br>PC220-8*5<br>PC220-8*10<br>PC220-7 | Triple-grouser | 600 (24")* | A |
| | | 700 (28") | B |
| | | 800 (31.5") | C |
| PC220LC-8<br>PC220LC-8M0<br>PC220LC-8*10<br>PC220LC-7 | Triple-grouser | 600 (24") | A |
| | | 700 (28")* | B |
| | | 800 (31.5") | C |
| PC228US-8 | Triple-grouser | 600 (24")* | A |
| | | 700 (28") | B |
| | | 800 (31.5") | C |
| PC228USLC-8 | Triple-grouser | 600 (24") | A |
| | | 700 (28")* | B |
| | | 800 (31.5") | C |
| PC228USLC-8*12 | Triple-grouser | 600 (24") | A |
| | | 700 (28") | B |
| | | 800 (31.5")* | C |
| | Road liner | 600 (24") | D |
| PC228USLC-8*13 | Triple-grouser | 600 (24")* | A |
| | | 700 (28") | B |
| | | 800 (31.5") | C |
| | Road liner | 600 (24") | D |
| PC230NHD-8 | Triple-grouser | 550 (22")* | A |
| PC240LC-10*** | Triple-grouser | 700 (28") | B |
| | | 800 (31.5")* | C |



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| Model | Shoe type | Shoe width mm (in.) | Application** |
|---|---|---|---|
| PC240LC-10*4 | Triple-grouser | 600 (24") | A |
| | | 700 (28")* | B |
| | | 800 (31.5") | C |
| | | 900 (35.5") | C |
| PC240NLC-10*4 | Triple-grouser | 600 (24")* | A |
| | | 700 (28") | B |
| | | 800 (31.5") | C |
| PC240LC-8*5 | Triple-grouser | 600 (24")* | A |
| | | 700 (28") | B |
| | | 800 (31.5") | C |
| | | 900 (35.5") | C |
| PC240LC-8*8 | Triple-grouser | 600 (24")* | A |
| | | 700 (28") | B |
| | | 800 (31.5") | C |
| PC270LC-8 | Triple-grouser | 600 (24")* | A |
| | | 700 (28") | B |
| | | 800 (31.5") | C |
| PC290LC-10*** | Triple-grouser | 700 (28") | B |
| | | 800 (31.5")* | C |
| | | 850 (33.5") | C |
| PC290LC-10*4 | Triple-grouser | 600 (24") | A |
| | | 700 (28")* | B |
| | | 800 (31.5") | C |
| | | 850 (33.5") | C |
| PC290NLC-10*4 | Triple-grouser | 600 (24") | A |
| | | 700 (28")* | B |
| | | 800 (31.5") | C |
| | | 850 (33.5") | C |
| PC300-8<br>PC300-8*7<br>PC300-8*7<br>(SE spec)<br>PC300-8*10 | Triple-grouser | 600 (24")* | A |
| | | 700 (28") | B |
| | | 800 (31.5") | C |
| PC300-8*6<br>PC300-8*6<br>(SE spec) | Triple-grouser | 600 (24") | A |
| | | 700 (28") | B |
| | | 800 (31.5")* | C |
| PC300-7 | Triple-grouser | 600 (24")* | A |
| | | 700 (28") | B |
| | | 800 (31.5") | C |
| PC300-7*5 | Triple-grouser | 600 (24")* | A |
| | | 700 (28") | B |
| PC300LC-8<br>PC300LC-8*10<br>PC300LC-8*7<br>PC300LC-8*7<br>(SE Spec) | Triple-grouser | 600 (24") | A |
| | | 700 (28")* | B |
| | | 800 (31.5") | C |
| PC300LC-8*6<br>PC300LC-8*6<br>(SEspec) | Triple-grouser | 600 (24") | A |
| | | 700 (28") | B |
| | | 800 (31.5")* | C |
| PC300LC-7*9 | Triple-grouser | 600 (24")* | A,B |
| | | 800 (31.5") | C |
| PC350LC-8*8 | Triple-grouser | 600 (24")* | A |
| | | 700 (28") | B |
| | | 800 (31.5") | C |
| PC360LC-10*** | Triple-grouser | 700 (28")* | B |
| | | 800 (31.5") | C |
| | | 850 (33.5") | C |

| Model | Shoe type | Shoe width mm (in.) | Application** |
|---|---|---|---|
| PC360LC-10*4 | Triple-grouser | 600 (24") | A |
| | | 700 (28")* | B |
| | | 800 (31.5") | C |
| | | 850 (33.5") | C |
| PC360NLC-10*4 | Triple-grouser | 600 (24")* | A |
| | | 700 (28") | B |
| | | 800 (31.5") | C |
| PC360-7*5 | Triple-grouser | 600 (24")* | A |
| PC390LC-10*** | Triple-grouser | 700 (28") | B |
| | | 800 (31.5")* | C |
| | | 900 (35.5") | C |
| PC400-8<br>PC400-8R<br>PC400-8*5 | Triple-grouser | 600 (24")* | A |
| | | 700 (28") | B |
| | | 800 (31.5") | C |
| PC400-8R*6<br>PC400-8R*6<br>(SE spec) | Triple-grouser | 600 (24")* | A |
| | | 700 (28") | B |
| | | 800 (31.5") | C |
| PC400-7<br>PC400-7*10 | Triple-grouser | 600 (24")* | A |
| | | 700 (28") | B |
| | | 800 (31.5") | C |
| PC400LC-8<br>PC400LC-8R | Triple-grouser | 600 (24") | A |
| | | 700 (28")* | B |
| | | 800 (31.5") | C |
| PC400LC-7<br>PC400LC-7*10 | Triple-grouser | 600 (24")* | A |
| | | 700 (28") | B |
| | | 800 (31.5") | C |
| PC400LC-8R*6<br>PC400LC-8R*6<br>(SE spec) | Triple-grouser | 600 (24")* | A |
| | | 700 (28") | B |
| | | 800 (31.5")* | C |
| PC450-8<br>PC450-8R<br>PC450-7 | Triple-grouser | 600 (24")* | A |
| | | 700 (28") | B |
| PC450-8*5 | Triple-grouser | 600 (24")* | A |
| PC450LC-8<br>PC450LC-8R | Triple-grouser | 600 (24")* | A |
| | | 700 (28") | B |
| PC490LC-10*** | Triple-grouser | 700 (28") | B |
| | | 800 (31.5")* | C |
| | | 900 (35.5") | C |
| PC490-10*4 | Triple-grouser | 600 (24")* | A |
| | | 700 (28") | B |
| | | 800 (31.5") | C |
| | Double-grouser | 600 (24") | A |
| PC490LC-10*4 | Triple-grouser | 600 (24") | A |
| | | 700 (28")* | B |
| | | 800 (31.5") | C |
| | | 900 (35.5") | C |
| | Double-grouser | 600 (24") | A |
| PC550LC-8 | Triple-grouser | 600 (24")* | A |
| | | 750 (29.5") | B |
| PC600-8E0<br>PC600-8R1<br>PC600-8*4<br>PC600-7*14 | Triple-grouser | 600 (24")* | A |
| | | 750 (29.5") | B |
| PC600LC-8E0<br>PC600LC-8R1<br>PC600LC-8*4<br>PC600LC-7*14<br>PC600LC-7*10 | Triple-grouser | 600 (24")* | A |
| | | 750 (29.5") | B |
| | | 900 (35.5") | C |
| PC650LC-8*12 | Double-grouser | 750 (29.5")* | A,B |
| | | 900 (35.5") | C |
| PC650LC-8R*5 | Double-grouser | 600 (24")* | A,B |
| PC700LC-8E0<br>PC700LC-8R<br>PC700LC-8E0*5 | Double-grouser | 610 (24")* | A |
| | | 710 (28") | B |

* Standard shoe
** See classification of the application
*** USA source
*4 UK source
*5 China source
*6 Indnesia source
*7 Thailand source
*8 Brazil source
*9 India source
*10 Russia source
*11 Italy source
*12 for USA
*13 for UK
*14 for Russia



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| Model | Shoe type | Shoe width mm (in.) | Application** |
|---|---|---|---|
| **PC700LC-8E0*4** | Double-grouser | 610 (24")* | A |
| | | 710 (28") | A |
| | | 810 (32") | B |
| | | 910 (36") | C |
| **PC800-8E0 (SE spec) PC800-8R1 (SE spec) PC750-7*14 (SE spec)** | Double-grouser | 610 (24")* | A |
| | | 710 (28") | A |
| | | 810 (32") | B |
| | | 910 (36") | B |
| | | 1010 (40") | C |
| **PC800-8E0*4** | Double-grouser | 610 (24")* | A |
| | | 710 (28") | A |
| | | 810 (32") | B |
| | | 910 (36") | B |
| **PC800LC-8E0 (SE spec) PC800LC-8R1 (SE spec) PC800LC-8E0*** ** | Double-grouser | 810 (32")* | A,B |
| | | 1010 (40") | C |
| **PC800LC-8E0*4** | Double-grouser | 710 (28")* | A |
| | | 810 (32") | B |
| | | 910 (36") | B |
| | | 1010 (40") | C |
| | | 1110 (44") | C |
| **PC850-8E0 (SE spec) PC850-8R1 (SE spec) PC800-7*14 (SE spec)** | Double-grouser | 610 (24")* | A |
| | | 710 (28") | A |
| **PC1250-8 PC1250-8R PC1250-7** | Double-grouser | 700 (28")* | A |
| | | 1000 (39.4") | B |
| **PC1250-8 PC1250-8R PC1250-7 (SP spec)** | Double-grouser | 700 (28")* | A,B |
| **PC1250-8R*6** | Double-grouser | 700 (28")* | A |
| **PC1250LC-8** | Double-grouser | 1000 (39.4")* | B |
| | | 1200 (47.2") | B |
| **PC2000-8** | Double-grouser | 810 (32")* | A |
| | | 1010 (40") | B |
| **PC3000-6** | Double-grouser | 800 (31.4")* | A |
| | | 1000 (39.3") | B |
| | | 1200 (47.2") | B |
| **PC4000-6** | Double-grouser | 1200 (47.2")* | A |
| | | 1500 (59") | B |
| **PC5500-6** | Double-grouser | 1350 (53")* | A |
| | | 1800 (71") | B |
| **PC8000-6** | Double-grouser | 1500 (59")* | A |
| | | 1900 (75") | B |

* Standard shoe
** See classification of the application
*** USA source
*4 UK source
*5 China source
*6 Indnesia source
*7 Thailand source
*8 Brazil source
*9 India source
*10 Russia source
*11 Italy source
*12 for USA
*13 for UK
*14 for Russia



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**Classification of the applications:**

| Classification | Applicable terrain | Limitations |
|---|---|---|
| A | Rocky terrain, river banks, & general terrain | 1. Use low gear for traveling over harsh terrain with various obstacles such as rolling stones and fallen trees. |
| B | General or soft terrain | 1. Not applicable for traveling over harsh terrain with rolling stones and fallen trees.<br>2. Travel in high gear only on flat ground ; use half speed in low gear for going over the obstacles, if they are unavoidable. |
| C | Extremely soft terrain (swamps) | 1. Applicable only when "A" & "B" sink.<br>2. Not applicable for traveling over harsh terrain with rolling stones and fallen trees.<br>3. Travel in high gear only on flat terrain ; use half speed in low gear for going over the obstacles if they are unavoidable. |
| D | Paved road | 1. Rubber pad shoes must be used mainly in machine operation on paved road surfaces. If used on unpaved surfaces, shoe durability will be badly deteriorated due to rubber cracks, cutouts etc.<br>The following operations must be avoided.<br>(a) Work on broken concrete, gravel, etc.<br>(b) Work on sharp projections like reinforcing iron rods, glass, etc.<br>(c) Riding on concrete road shoulder, operation on bedrock and in rivers with abundance of stones, pebbles, etc.<br>2. In operation on roads covered with water, ice, snow, gravel etc. be careful to avoid the shoes slipping, especially in carrying or unloading operation of a machine on or from a truck.<br>3. In operation at high temperature (65°C or higher) or at low temp. (-25°C or lower), the rubber will be liable to damage because of the changes in the physical properties. |

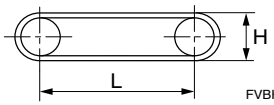
**NOTE:** Select the narrowest possible shoes, depending on the flotation and ground pressure of the machines. If the shoe is too wide, the load on the track shoe increases and results in bends in the shoes, cracks in the links, breakage and slipping out of the pins and loosening of the bolts.


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**Definition:** Ground pressure = machine operating weight / total ground contact area
where ; total ground contact area = (L + 0.35H) × shoe width × 2




H = Track height
L = Distance between centers of sprocket and front idler

| | Shoe type | Shoe width mm (in) | Ground contact area $cm^2$ (sq.in) | Ground pressure $kg/cm^2$ (PSI) | Change in operating weight kg (lb) | Boom<br>Arm<br>Bucket |
|---|---|---|---|---|---|---|
| **PC18MR-3** | Double-grouser | 230 (9") | 6080 (942) | 0.30 (4.27) | +60 (132) | :1.76 m (5'9") |
| | Rubber | 230 (9")* | 6080 (942) | 0.29 (4.12) | ±0 | :0.965 m (3'2") |
| | | | | | | :0.044 $m^3$ (0.058 cu.yd) |
| **PC20MR-3** | Double-grouser | 250 (10") | 7980 (1225) | 0.28 (4.6) | +104 (229) | :1.81 m (5'11") |
| | Rubber | 250 (10")* | 7980 (1225) | 0.27(3.84) | ±0 | :0.97 m (3'2") |
| | Rubber pad | 250 (10") | 7980 (1225) | | | :0.066 $m^3$ (0.86 cu.yd) |
| **PC27MR-3** | Double-grouser | 300 (12") | 9550 (1480) | 0.31 (4.6) | +86 (190) | :2.18 m (7'2") |
| | Rubber | 300 (12")* | 9550 (1480) | 0.30 (4.6) | ±0 | :1.11 m (3'2") |
| | Rubber pad | 300 (12") | 9550 (1480) | 0.32 (4.6) | +143 (315) | :0.08 $m^3$ (0.10 cu.yd) |
| | Road liner | 300 (12") | 9550 (1480) | | +130 (287) | |
| **PC30MR-3** | Double-grouser | 300 (12") | 10530 (1632) | 0.31 (4.41) | +118 (260) | :2.285 m (7'6") |
| | Rubber | 300 (12")* | 10530 (1632) | 0.30 (4.27) | ±0 | :1.24 m (4'1") |
| | Road liner | 300 (12") | 10530 (1632) | 0.31 (4.41) | +170 (375) | :0.09 $m^3$ (0.12 cu.yd) |
| | Rubber pad | 300 (12") | 10530 (1632) | 0.31 (4.41) | +162 (357) | |
| **PC35MR-3** | Double-grouser | 300 (12") | 10530 (1632) | 0.35 (5.0) | +88 (194) | :2.54 m (8'5") |
| | Rubber | 300 (12")* | 10530 (1632) | 0.34 (4.83) | ±0 | :1.37 m (4'5") |
| | Rubber pad | 300 (12") | 10530 (1632) | 0.36 (5.12) | +170 (375) | :0.11 $m^3$ (0.14 cu.yd) |
| | Road liner | 300 (12") | 10530 (1632) | 0.35 (5.0) | +162 (357) | |
| **PC45MR-3** | Triple-grouser | 400 (16") | 17540 (2719) | 0.28 (4.0) | +70 (154) | :2.74 m (9'0") |
| | Rubber | 400 (16")* | 17540 (2719) | 0.27 (3.8) | ±0 | :1.44 m (4'9") |
| | Rubber pad | 400 (16") | 17540 (2719) | 0.29 (4.1) | +250 (551) | :0.14 $m^3$ (0.18 cu.yd) |
| | Road liner | 400 (16") | 17540 (2719) | 0.28 (4.0) | +90 (198) | |
| **PC55MR-3** | Triple-grouser | 400 (16") | 17540 (2719) | 0.29 (4.1) | +70 (154) | :2.9 m (9'6") |
| | Rubber | 400 (16")* | 17540 (2719) | 0.29 (4.1) | ±0 | :1.64 m (5'5") |
| | Rubber pad | 400 (16") | 17540 (2719) | 0.30 (4.3) | +250 (551) | :0.16 $m^3$ (0.21 cu.yd) |
| | Road liner | 400 (16") | 17540 (2719) | 0.29 (4.1) | +90 (198) | |
| **PC60-8** | Triple-grouser | 450 (18")* | 21070 (3266) | 0.29 (4.12) | ±0 | :3.65 m (12'0")<br>:1.55 m (5'1")<br>:0.25$m^3$ (0.33 cu.yd) |
| **PC70-8**<br>**PC70-8*4** | Triple-grouser | 450 (18")* | 21070 (3266) | 0.31 (4.41) | ±0 | :3.71 m (12'2")<br>:1.65 m (5'5")<br>:0.30$m^3$ (0.39 cu.yd) |
| **PC71-7** | Triple-grouser | 450 (18")* | 21070 (3266) | 0.34 (4.83) | ±0 | :3.71 m (12'2")<br>:1.65 m (5'5")<br>:0.30$m^3$ (0.39 cu.yd) |
| **PC78US-8** | Triple-grouser | 450 (18")* | 22200 (3441) | 0.32 (4.55) | ±0 | :3.71 m (12'2") |
| | | 600 (24") | 29600 (4588) | 0.24 (3.41) | +170 (375) | :1.65 m (5'5") |
| | Rubber pad | 450 (18") | 22200 (3441) | 0.32 (4.55) | +80 (176) | :0.28 $m^3$ (0.37 cu.yd) |
| **PC80MR-3** | Triple-grouser | 450 (18")* | 22200 (3441) | 0.34 (4.83) | ±0 | : |
| | | 600 (24") | 29600 (4586) | 0.26 (3.70) | +170 (375) | :1.65 m (5'5") |
| | Rubber | 450 (24") | 22200 (3441) | 0.35 (4.98) | +80 (176) | :0.2 $m^3$ (0.26 cu.yd) |
| **PC88MR-8**<br>**PC88MR-8*9** | Triple-grouser | 450 (18")* | 22200 (3441) | 0.37 (5.26) | ±0 | :3.4 m (11'2") |
| | | 600 (24") | 30460 (4721) | 0.28 (3.98) | +170 (375) | :1.65 m (5'5") |
| | Rubber | 450 (18") | 22200 (3441) | 0.37 (5.26) | –66 (146) | :0.28 $m^3$ (0.37 cu.yd) |
| | Road liner | 450 (18") | 22200 (3441) | 0.38 (5.40) | +150 (330) | |
| **PC110-7** | Triple-grouser | 500 (20")* | 28770 (4459) | 0.37 (5.26) | ±0 | :4.26 m (14'0") |
| | | 600 (24") | 34520 (5351) | 0.33 (4.69) | +280 (617) | :2.26 m (7'5") |
| | Swamp | 700 (28") | 40280 (6243) | | | :0.48 $m^3$ (0.63 cu.yd) |

* Standard shoe
** USA source
*** UK source
*4 China source
*5 India source
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*7 Indonesia source
*8 Brazil source
*9 Italy source
*10 for USA
*11 for UK
*12 for Russia

**NOTE:** The shoe for the long-track excavator (L and LC), wide shoe (excluding the narrowest shoe for a model) and swamp shoe are provided with low ground pressure. These shoes should be used on soft and swampy terrain where the standard excavator with standard shoe is not usable due to sinkage of the tracks. If such shoes are used in swampy fields with stones, stumps and roots, bending of the shoe plates, cracks in the links, breakage of pins, loosening of shoe bolts and other damage may result. Therefore, the job site must be studied carefully, to provide the customer with correct instructions and advice.



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| | Shoe type | Shoe width mm (in) | Ground contact area $cm^2$ (sq.in) | Ground pressure $kg/cm^2$ (PSI) | Change in operating weight kg (lb) | Boom Arm Bucket |
|---|---|---|---|---|---|---|
| **PC118MR-8** | Triple-grouser | 500 (20") | | 0.43 (6.11) | ±0 | :3.5 m (11'5") |
| | Road liner | 500 (20") | | | +120 (265) | :2.0 m (6'7") |
| | | | | | | :0.38 $m^3$ (0.5 cu.yd) |
| **PC130-8**<br>**PC130-8*6** | Triple-grouser | 500 (20")* | 31285 (4849) | 0.39 (5.55) | ±0 | :4.6 m (15'1") |
| | | 600 (24") | 37540 (5819) | 0.33 (4.69) | +180 (397) | :2.5 m (8'2") |
| | | 700 (28") | 43800 (6789) | 0.29 (4.12) | +360 (794) | :0.5 $m^3$ (0.65 cu.yd) |
| **PC130-8*8** | Triple-grouser | 500 (20")* | 31285 (4849) | 0.41 (5.83) | ±0 | :4.6 m (15'1") |
| | | 600 (24") | 37540 (5819) | 0.35 (4.98) | +180 (397) | :2.5 m (8'2") |
| | | 700 (28") | 43800 (6789) | 0.30 (4.27) | +360 (794) | :0.6 $m^3$ (0.78 cu.yd) |
| **PC130-7*5** | Triple-grouser | 500 (20")* | 31285 (4849) | 0.39 (5.55) | ±0 | :4.6 m (15'1") |
| | | | | | | :2.1 m (6'11") |
| | | | | | | :0.64 $m^3$ (0.83 cu.yd) |
| **PC130F-7** | Triple-grouser | 900 (35.4")* | 56310 (8728) | 0.26 (3.70) | ±0 | :4.26 m (14'0") |
| | Single-grouser | 960 (37.8") | 60070 (9311) | 0.25 (3.56) | +335 (739) | :2.36 m (7'9") |
| | | | | | | :0.50 $m^3$ (0.65 cu.yd) |
| **PC138US-8** | Triple-grouser | 500 (20")* | 31600 (4898) | 0.43 (6.11) | ±0 | :4.6 m (15'1") |
| | | 600 (24") | 37920 (5878) | 0.36 (5.12) | +190 (419) | :2.5 m (8'2") |
| | | 700 (28") | 44240 (6857) | 0.31 (4.41) | +370 (408) | :0.50 $m^3$ (0.65 cu.yd) |
| **PC138USLC-10*10** | Triple-grouser | 500 (20")* | 31600 (4898) | 0.43 (6.11) | ±0 | :4.6 m (15'1") |
| | | 600 (24") | 37920 (5878) | 0.36 (5.12) | +180 (397) | :2.5 m (8'2") |
| | | 700 (28") | 44240 (6857) | 0.31 (4.41) | +380 (838) | :0.50 $m^3$ (0.65 cu.yd) |
| **PC160LC-8** | Triple-grouser | 500 (20")* | 34750 (5386) | 0.49 (6.97) | ±0 | :5.15 m (16'11") |
| | | 600 (24") | 41700 (6464) | 0.41 (5.83) | +220 (485) | :2.61 m (8'7") |
| | | 700 (28") | 48650 (7541) | 0.36 (5.12) | +440 (970) | :0.65 $m^3$ (0.85 cu.yd) |
| **PC160LC-8*** ** | Triple-grouser | 500 (20")* | 34750 (5386) | 0.51 (7.25) | ±0 | :5.15 m (16'11") |
| | | 600 (24") | 41700 (6464) | 0.43 (6.11) | +220 (485) | :2.6 m (8'6") |
| | | 700 (28") | 48650 (7541) | 0.37 (5.26) | +440 (970) | :0.66 $m^3$ (0.86 cu.yd) |
| | | 800 (31.5") | 55600 (8618) | 0.33 (4.69) | +660 (1455) | |
| **PC160LC-8*6** | Triple-grouser | 500 (20")* | 34750 (5386) | 0.49 (6.97) | ±0 | :5.15 m (16'11") |
| | | 600 (24") | 41700 (6464) | 0.41 (5.83) | +220 (485) | :2.6 m (8'6") |
| | | 700 (28") | 48650 (7541) | 0.36 (5.12) | +440 (970) | :0.74 $m^3$ (0.97 cu.yd) |
| **PC160LC-8*8** | Triple-grouser | 500 (20")* | 34750 (5386) | 0.48 (6.83) | ±0 | :5.15 m (16'11") |
| | | 600 (24") | 41700 (6464) | 0.41 (5.83) | +220 (485) | :2.25 m (7'5") |
| | | 700 (28") | 48650 (7541) | 0.36 (5.12) | +440 (970) | :0.80 $m^3$ (1.05 cu.yd) |
| **PC160LC-7*4** | Triple-grouser | 500 (20")* | 34750 (5386) | 0.47 (6.68) | ±0 | :5.15 m (16'11") |
| | | 600 (24") | 41700 (6464) | 0.40 (5.69) | +220 (485) | :2.61 m (8'7") |
| | | 700 (28") | 48650 (7541) | 0.35 (4.98) | +440 (970) | :0.65 $m^3$ (0.85 cu.yd) |
| **PC190LC-8** | Triple-grouser | 600 (24") | 43170 (6691) | 0.44 (6.23) | ±0 | :5.15 m (16'11") |
| | | 700 (28") | 50365 (7807) | 0.38 (5.40) | +220 (485) | :2.6 m (8'6") |
| | | 800 (31.5") | 57560 (8922) | 0.34 (4.83) | +440 (970) | :0.66 $m^3$ (0.86 cu.yd) |
| **PC190NLC-8** | Triple-grouser | 500 (20")* | 35975 (5576) | 0.52 (7.39) | ±0 | :5.15 m (16'11") |
| | | | | | | :2.6 m (8'6") |
| | | | | | | :0.66 $m^3$ (0.86 cu.yd) |
| **HB205-1** | Triple-grouser | 600 (24") | 42790 (6632) | 0.47 (6.68) | ±0 | :5.7 m (18'8") |
| | | 700 (28") | 49920 (7738) | 0.41 (5.83) | +380 (840) | :2.925 m (9'7") |
| | | 800 (31.5") | 57050 (8843) | 0.37 (5.26) | +630 (1390) | :0.80 $m^3$ (1.05 cu.yd) |
| **HB215LC-1** | Triple-grouser | 600 (24") | 47350 (7339) | 0.45 (6.40) | ±0 | :5.7 m (18'8") |
| | | 700 (28") | 55240 (8562) | 0.39 (5.55) | +380 (840) | :2.925 m (9'7") |
| | | 800 (31.5") | 63130 (9785) | 0.35 (4.98) | +630 (1390) | :0.80 $m^3$ (1.05 cu.yd) |
| **HB215LC-1*** ** | Triple-grouser | 600 (24") | 47350 (7339) | 0.47 (6.68) | ±0 | :5.7 m (18'8") |
| | | | | | | :2.925 m (9'7") |
| | | | | | | :0.80 $m^3$ (1.05 cu.yd) |
| **PC200-8**<br>**PC200-8*11**<br>**PC200-7** | Triple-grouser | 500 (20") | 35660 (5527) | 0.54 (7.68) | -100 (220) | :5.7 m (18'8") |
| | | 600 (24")* | 42790 (6632) | 0.46 (6.54) | ±0 | :2.925 m (9'7") |
| | | 700 (28") | 49920 (7738) | 0.40 (5.69) | +250 (551) | :0.80 $m^3$ (1.05 cu.yd) |
| | | 800 (31.5") | 57050 (8843) | 0.35 (4.98) | +510 (1124) | |

* Standard shoe
** USA source
*** UK source

*4 China source
*5 India source
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*12 for Russia

**NOTE:** The shoe for the long-track excavator (L and LC), wide shoe (excluding the narrowest shoe for a model) and swamp shoe are provided with low ground pressure. These shoes should be used on soft and swampy terrain where the standard excavator with standard shoe is not usable due to sinkage of the tracks. If such shoes are used in swampy fields with stones, stumps and roots, bending of the shoe plates, cracks in the links, breakage of pins, loosening of shoe bolts and other damage may result. Therefore, the job site must be studied carefully, to provide the customer with correct instructions and advice.



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| | Shoe type | Shoe width mm (in) | Ground contact area $cm^2$ (sq.in) | Ground pressure $kg/cm^2$ (PSI) | Change in operating weight kg (lb) | Boom Arm Bucket |
|---|---|---|---|---|---|---|
| **PC200-8M0**<br>**PC200-8M0*6** | Triple-grouser | 500 (20") | 35660 (5527) | 0.55 (7.82) | -100 (220) | :5.7 m (18'8") |
| | | 600 (24")* | 42790 (6632) | 0.47 (6.68) | ±0 | :2.925 m (9'7") |
| | | 700 (28") | 49920 (7738) | 0.41 (5.83) | +250 (551) | :0.80 $m^3$ (1.05 cu.yd) |
| | | 800 (31.5") | 57050 (8843) | 0.37 (5.26) | +510 (1124) | |
| **PC200-8*7** | Triple-grouser | 800 (31.5") | 57050 (8843) | 0.35 (4.98) | ±0 | :5.7 m (18'8") |
| | | | | | | :2.925 m (9'7") |
| | | | | | | :0.80 $m^3$ (1.05 cu.yd) |
| **PC200-8*4** | Triple-grouser | 600 (24")* | 42790 (6632) | 0.46 (6.54) | ±0 | :5.7 m (18'8") |
| | | 800 (31.5") | 57050 (8843) | 0.36 (5.12) | +630 (1390) | :2.925 m (7'11") |
| | | | | | | :0.80 $m^3$ (1.05 cu.yd) |
| **PC200-8*8** | Triple-grouser | 700 (28")* | 49920 (7738) | 0.42 (5.97) | ±0 | :5.7 m (18'8") |
| | | 800 (31.5") | 57050 (8843) | 0.37 (5.26) | +250 (550) | :2.41 m (9'7") |
| | | | | | | :1.20 $m^3$ (1.57 cu.yd) |
| **PC200LC-8**<br>**PC200LC-8*11** | Triple-grouser | 600 (24") | 47350 (7339) | 0.44 (6.26) | -270 (595) | :5.7 m (18'8") |
| | | 700 (28")* | 55240 (8562) | 0.38 (5.40) | ±0 | :2.925 m (9'7") |
| | | 800 (31.5") | 63130 (9785) | 0.34 (4.83) | +280 (617) | :0.80 $m^3$ (1.05 cu.yd) |
| | | 900 (35.4") | 71020 (11008) | 0.30 (4.27) | +560 (1235) | |
| **PC200LC-8M0**<br>**PC200LC-8M0*6** | Triple-grouser | 600 (24") | 47350 (7339) | 0.45 (6.40) | -270 (595) | :5.7 m (18'8") |
| | | 700 (28")* | 55240 (8562) | 0.39 (5.55) | ±0 | :2.925 m (9'7") |
| | | 800 (31.5") | 63130 (9785) | 0.35 (4.98) | +280 (617) | :0.80 $m^3$ (1.05 cu.yd) |
| | | 900 (35.4") | 71020 (11008) | 0.30 (4.27) | +560 (1235) | |
| **PC200LC-8*4** | Triple-grouser | 600 (24")* | 47350 (7339) | 0.45 (6.40) | ±0 | :5.7 m (18'8") |
| | | 800 (31.5") | 63130 (9785) | 0.35 (4.98) | +690 (1521) | :2.925 m (9'7") |
| | | | | | | :0.80 $m^3$ (1.05 cu.yd) |
| **PC200LC-8*8** | Triple-grouser | 700 (28")* | 55240 (8562) | 0.41 (5.83) | ±0 | :5.2 m (17'1") |
| | | 800 (31.5") | 63130 (9785) | 0.36 (5.12) | +280 (617) | :2.41 m (7'11") |
| | | | | | | :1.50 $m^3$ (1.96 cu.yd) |
| **PC210-10*** ** | Triple-grouser | 600 (24")* | 42790 (6632) | 0.51 (7.25) | ±0 | :5.7 m (18'8") |
| | | 700 (28") | 49920 (7738) | 0.44 (6.26) | +250 (550) | :2.9 m (9'7") |
| | | 800 (31.5") | 57050 (8843) | 0.39 (5.55) | +540 (1190) | :0.80 $m^3$ (1.05 cu.yd) |
| **PC210-8*4** | Triple-grouser | 600 (24")* | 42790 (6632) | 0.46 (6.54) | ±0 | :5.7 m (18'8") |
| | | 800 (31.5") | 57050 (8843) | 0.36 (5.12) | +700 (1545) | :2.925 m (9'7") |
| | | | | | | :0.90 $m^3$ (1.18 cu.yd) |
| **PC210LC-10**** | Triple-grouser | 700 (28")* | 55240 (8562) | 0.42 (5.976.11) | ±0 | :5.7 m (18'8") |
| | | 800 (31.5") | 63130 (9785) | 0.37 (5.26) | +280 (615) | :2.925 m (9'7") |
| | | | | | | :1.02 $m^3$ (1.34 cu.yd) |
| **PC210LC-10*** ** | Triple-grouser | 600 (24")* | 47350 (7339) | 0.48 (6.83) | ±0 | :5.7 m (18'8") |
| | | 700 (28") | 55240 (8562) | 0.41 (5.83) | +270 (595) | :2.9 m (9'7") |
| | | 800 (31.5") | 63130 (9785) | 0.37 (5.26) | +590 (1300) | :0.80 $m^3$ (1.05 cu.yd) |
| | | 900 (35.4") | 71020 (11008) | 0.33 (4.69) | +860 (1895) | |
| **PC210NLC-8** | Triple-grouser | 500 (20")* | 39490 (6121) | 0.55 (7.82) | ±0 | :5.7 m (18'8") |
| | | 600 (24") | 47390 (7345) | 0.47 (6.68) | +360 (794) | :2.93 m (9'7") |
| | | 700 (28") | 55290 (8570) | 0.40 (5.69) | +630 (1389) | :0.84 $m^3$ (1.1 cu.yd) |
| **PC210LC-8*4** | Triple-grouser | 600 (24")* | 47350 (7339) | 0.45 (6.40) | ±0 | :5.7 m (18'8") |
| | | 800 (31.5") | 63130 (9785) | 0.35 (4.98) | +690 (1521) | :2.925 m (9'7") |
| | | | | | | :0.90 $m^3$ (1.18 cu.yd) |
| **PC210LC-8*5** | Triple-grouser | 500 (20") | 39460 (6116) | 0.54 (7.68) | -270 (595) | :5.7 m (18'8") |
| | | 600 (24")* | 47350 (7339) | 0.48 (6.83) | ±0 | :2.4 m (7'10") |
| | | | | | | :1.05 $m^3$ (1.37 cu.yd) |
| **PC220-8**<br>**PC220-8*11**<br>**PC220-7** | Triple-grouser | 600 (24")* | 44710 (6930) | 0.51 (7.25) | ±0 | :5.85 m (19'2") |
| | | 700 (28") | 52160 (8085) | 0.45 (6.40) | +260 (573) | :3.045 m (10'0") |
| | | 800 (31.5") | 59610 (8821) | 0.39 (5.55) | +520 (1146) | :1.0 $m^3$ (1.31 cu.yd) |

* Standard shoe
** USA source
*** UK source
*4 China source
*5 India source
*6 Thailand source
*7 Indonesia source
*8 Brazil source
*9 Italy source
*10 for USA
*11 for UK
*12 for Russia

**NOTE:** The shoe for the long-track excavator (L and LC), wide shoe (excluding the narrowest shoe for a model) and swamp shoe are provided with low ground pressure. These shoes should be used on soft and swampy terrain where the standard excavator with standard shoe is not usable due to sinkage of the tracks. If such shoes are used in swampy fields with stones, stumps and roots, bending of the shoe plates, cracks in the links, breakage of pins, loosening of shoe bolts and other damage may result. Therefore, the job site must be studied carefully, to provide the customer with correct instructions and advice.



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| | Shoe type | Shoe width mm (in) | Ground contact area $cm^2$ (sq.in) | Ground pressure $kg/cm^2$ (PSI) | Change in operating weight kg (lb) | Boom<br>Arm<br>Bucket |
|---|---|---|---|---|---|---|
| **PC220-8M0** | Triple-grouser | 600 (24")* | 44710 (6930) | 0.51 (7.25) | ±0 | :5.85 m (19'2") |
| | | 700 (28") | 52160 (8085) | 0.45 (6.40) | +200 (440) | :3.05 m (10'0") |
| | | 800 (31.5") | 59610 (8821) | 0.40 (5.69) | +500 (1100) | :1.0 $m^3$ (1.31 cu.yd) |
| **PC220-8*[4]** | Triple-grouser | 600 (24")* | 44710 (6930) | 0.52 (7.39) | ±0 | :5.85 m (19'2") |
| | | 800 (31.5") | 59610 (5240) | 0.40 (5.69) | +500 (1102) | :3.045 m (9'7") |
| | | | | | | :1.0 $m^3$ (1.31 cu.yd) |
| **PC220LC-8**<br>**PC220LC-8*[11]**<br>**PC220LC-7** | Triple-grouser | 600 (24") | 49330 (7646) | 0.49 (7.00) | -280 (617) | :5.85 m (19'2") |
| | | 700 (28")* | 57550 (8920) | 0.42 (5.97) | ±0 | :3.045 m (10'0") |
| | | 800 (31.5") | 65770 (10194) | 0.37 (5.26) | +280 (617) | :1.0 $m^3$ (1.31 cu.yd) |
| **PC220LC-8M0** | Triple-grouser | 600 (24") | 49330 (7646) | 0.49 (6.97) | -300 (660) | :5.85 m (19'2") |
| | | 700 (28")* | 57550 (8920) | 0.43 (6.11) | ±0 | :3.05 m (10'0") |
| | | 800 (31.5") | 65770 (10194) | 0.38 (5.40) | +300 (660) | :1.0 $m^3$ (1.31 cu.yd) |
| **PC228US-8** | Triple-grouser | 600 (24")* | 42310 (6558) | 0.51 (7.25) | ±0 | :5.7 m (18'8") |
| | | 700 (28") | 49360 (7651) | 0.45 (6.40) | +380 (840) | :2.9 m (9'7") |
| | | 800 (31.5") | 56410 (8744) | 0.40 (5.69) | +630 (1390) | :0.80 $m^3$ (1.05 cu.yd) |
| **PC228USLC-8** | Triple-grouser | 600 (24") | 47520 (7366) | 0.48 (6.83) | -270 (595) | :5.7 m (18'8") |
| | | 700 (28")* | 55440 (8593) | 0.42 (5.97) | ±0 | :2.9 m (9'7") |
| | | 800 (31.5") | 63360 (9821) | 0.37 (5.26) | +280 (615) | :0.80 $m^3$ (1.05 cu.yd) |
| **PC228USLC-8*[10]** | Triple-grouser | 600 (24") | 47520 (7366) | 0.51 (7.25) | -545 (1200) | :5.7 m (18'8") |
| | | 700 (28") | 55440 (8593) | 0.44 (6.26) | -280 (615) | :2.9 m (9'7") |
| | | 800 (31.5")* | 63360 (9821) | 0.39 (5.55) | ±0 | :0.80 $m^3$ (1.05 cu.yd) |
| **PC228USLC-8*[11]** | Triple-grouser | 600 (24")* | 47520 (7366) | 0.48 (6.83) | ±0 | :5.7 m (18'8") |
| | | 700 (28") | 55440 (8593) | 0.41 (5.83) | +270 (595) | :2.9 m (9'7") |
| | | 800 (31.5") | 63360 (9821) | 0.37 (5.26) | +550 (1215) | :0.80 $m^3$ (1.05 cu.yd) |
| **PC230NHD-8** | Triple-grouser | 550 (22")* | 40984 (6353) | 0.56 (7.96) | ±0 | :5.7 m (18'8") |
| | | | | | | :2.9 m (9'6") |
| | | | | | | :0.94 $m^3$ (1.23 cu.yd) |
| **PC240LC-10**** | Triple-grouser | 700 (28") | 57550 (8920) | 0.43 (6.11) | -290 (640) | :5.85 m (19'2") |
| | | 800 (31.5")* | 65770 (10194) | 0.38 (5.40) | ±0 | :3.05 m (10'0") |
| | | | | | | :1.2 $m^3$ (1.57 cu.yd) |
| **PC240LC-10***** | Triple-grouser | 600 (24") | 49330 (7646) | 0.51 (7.25) | -300 (660) | :5.85 m (19'2") |
| | | 700 (28")* | 57550 (8920) | 0.44 (6.26) | ±0 | :3.0 m (9'10") |
| | | 800 (31.5") | 65770 (10194) | 0.39 (5.55) | +300 (660) | :1.0 $m^3$ (1.31 cu.yd) |
| | | 900 (35.4") | 73990 (11468) | 0.35 (4.98) | +600 (1325) | |
| **PC240NLC-10***** | Triple-grouser | 600 (24")* | 47050 (7293) | 0.52 (7.39) | ±0 | :5.85 m (19'2") |
| | | 700 (28") | 54890 (8508) | 0.45 (6.40) | +300 (660) | :3.0 m (9'10") |
| | | 800 (31.5") | 62730 (9723) | 0.40 (5.69) | +600 (1325) | :1.73 $m^3$ (2.26 cu.yd) |
| **PC240LC-8*[4]** | Triple-grouser | 600 (24")* | 49330 (7646) | 0.51 (7.25) | -300 (661) | :5.85 m (19'2") |
| | | 700 (28") | 57550 (8920) | 0.44 (6.26) | ±0 | :3.0 m (9'10") |
| | | 800 (31.5") | 65770 (10194) | 0.39 (5.55) | +300 (661) | :1.41 $m^3$ (1.84 cu.yd) |
| | | 900 (35.5") | 73990 (11468) | 0.35 (5.00) | +600 (1323) | |
| **PC240LC-8*[8]** | Triple-grouser | 600 (24")* | 49330 (7646) | 0.50 (7.25) | ±0 | :5.85 m (19'2") |
| | | 700 (28") | 57550 (8920) | 0.44 (6.26) | +280 (615) | :2.5 m (8'2") |
| | | 800 (31.5") | 65770 (10194) | 0.39 (5.55) | +550 (1215) | :1.0 $m^3$ (1.31 cu.yd) |
| **PC270-8** | Triple-grouser | 600 (24")* | 48280 (7483) | 0.56 (7.96) | ±0 | :5.85 m (19'2") |
| | | 700 (28") | 56330 (8731) | 0.49 (6.97) | +110 (243) | :3.05 m (10'0") |
| | | 800 (31.5") | 64370 (9977) | 0.43 (6.11) | +460 (1010) | :1.26 $m^3$ (1.65 cu.yd) |
| **PC270-7*[4]** | Triple-grouser | 600 (24")* | 48280 (7483) | 0.56 (7.96) | ±0 | :5.85 m (19'2") |
| | | 700 (28") | 56330 (8731) | 0.49 (6.97) | +110 (243) | :3.05 m (10'0") |
| | | 800 (31.5") | 64370 (9977) | 0.43 (6.11) | +460 (1010) | :1.3 $m^3$ (1.70 cu.yd) |
| **PC270LC-8** | Triple-grouser | 600 (24") | 52450 (8130) | 0.53 (7.54) | -600 (1323) | :5.85 m (19'2") |
| | | 700 (28")* | 61190 (9484) | 0.47 (6.68) | ±0 | :3.05 m (10'0") |
| | | 800 (31.5") | 69930 (10839) | 0.41 (5.83) | +380 (838) | :1.26 $m^3$ (1.65 cu.yd) |

* Standard shoe
** USA source
*** UK source
*[4] China source
*[5] India source
*[6] Thailand source
*[7] Indonesia source
*[8] Brazil source
*[9] Italy source
*[10] for USA
*[11] for UK
*[12] for Russia

**NOTE:** The shoe for the long-track excavator (L and LC), wide shoe (excluding the narrowest shoe for a model) and swamp shoe are provided with low ground pressure. These shoes should be used on soft and swampy terrain where the standard excavator with standard shoe is not usable due to sinkage of the tracks. If such shoes are used in swampy fields with stones, stumps and roots, bending of the shoe plates, cracks in the links, breakage of pins, loosening of shoe bolts and other damage may result. Therefore, the job site must be studied carefully, to provide the customer with correct instructions and advice.



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| | Shoe type | Shoe width mm (in) | Ground contact area $cm^2$ (sq.in) | Ground pressure $kg/cm^2$ (PSI) | Change in operating weight kg (lb) | Boom Arm Bucket |
|---|---|---|---|---|---|---|
| **PC290LC-10**** | Triple-grouser | 700 (28") | 61190 (9484) | 0.50 (7.11) | -380 (838) | :6.15 m (20'2") |
| | | 800 (31.5")* | 69930 (10839) | 0.44 (6.26) | ±0 | :3.2 m (10'6") |
| | | 850 (33.5") | 74300 (11517) | 0.42 (5.97) | +191 (420) | :1.41 $m^3$ (1.85 cu.yd) |
| **PC290LC-10***** | Triple-grouser | 600 (24") | 52450 (8230) | 0.57 (8.11) | -400 (880) | :6.15 m (20'2") |
| | | 700 (28")* | 61190 (9484) | 0.50 (7.11) | ±0 | :3.2 m (10'6") |
| | | 800 (31.5") | 69930 (10839) | 0.44 (6.40) | +400 (880) | :1.2 $m^3$ (1.57 cu.yd) |
| | | 850 (33.5") | 74300 (11517) | 0.42 (5.97) | +600 (1323) | |
| **PC290NLC-10***** | Triple-grouser | 600 (24")* | 52450 (8230) | 0.57 (8.11) | ±0 | :6.15 m (20'2") |
| | | 700 (28") | 61190 (9484) | 0.50 (7.11) | +400 (880) | :3.2 m (10'6") |
| | | 800 (31.5") | 69930 (10839) | 0.44 (6.40) | +800 (1763) | :1.2 $m^3$ (1.57 cu.yd) |
| | | 850 (33.5") | 74300 (11517) | 0.42 (5.97) | +1000 (2205) | |
| **PC300-8**<br>**PC300-8*[11]** | Triple-grouser | 600 (24")* | 48280 (7483) | 0.64 (9.10) | ±0 | :6.47 m (21'3") |
| | | 700 (28") | 56330 (8731) | 0.56 (7.96) | +560 (1234) | :3.185 m (10'5") |
| | | 800 (31.5") | 64370 (9977) | 0.49 (6.97) | +910 (2006) | :1.4 $m^3$ (1.83 cu.yd) |
| **PC300-8*[6]** | Triple-grouser | 600 (24")* | 48280 (7483) | 0.64 (9.12) | ±0 | :6.47 m (21'3") |
| | | 700 (28") | 56330 (8731) | 0.56 (7.96) | +360 (794) | :3.185 m (10'5") |
| | | 800 (31.5") | 64370 (9977) | 0.49 (6.97) | +710 (1565) | :1.4 $m^3$ (1.83 cu.yd) |
| **PC300-8*[6]**<br>**(SE spec)** | Triple-grouser | 600 (24")* | 48280 (7483) | 0.68 (9.70) | ±0 | :6.47 m (21'3") |
| | | 700 (28") | 56330 (8731) | 0.59 (8.45) | +360 (795) | :3.185 m (10'5") |
| | | 800 (31.5") | 64370 (9977) | 0.52 (7.47) | +710 (1565) | :1.4 $m^3$ (1.83 cu.yd) |
| **PC300-8*[7]** | Triple-grouser | 600 (24") | 48280 (7483) | 0.64 (9.12) | -710 (1565) | :6.47 m (21'3") |
| | | 700 (28") | 56330 (8731) | 0.56 (7.96) | -360 (795) | :3.185 m (10'5") |
| | | 800 (31.5")* | 64370 (9977) | 0.49 (6.97) | ±0 | :1.4 $m^3$ (1.83 cu.yd) |
| **PC300-8*[7]**<br>**(SE spec)** | Triple-grouser | 600 (24") | 48280 (7483) | 0.68 (9.70) | -710 (1565) | :6.47 m (21'3") |
| | | 700 (28") | 56330 (8731) | 0.59 (8.45) | -360 (795) | :3.185 m (10'5") |
| | | 800 (31.5")* | 64370 (9977) | 0.52 (7.47) | ±0 | :1.4 $m^3$ (1.83 cu.yd) |
| **PC300-7** | Triple-grouser | 600 (24")* | 48280 (7483) | 0.64 (9.10) | ±0 | :6.47 m (21'3") |
| | | 700 (28") | 56330 (8731) | 0.55 (7.82) | +360 (794) | :3.185 m (10'5") |
| | | 800 (31.5") | 64370 (9977) | 0.47 (6.68) | +710 (1565) | :1.4 $m^3$ (1.83 cu.yd) |
| **PC300-7*[4]** | Triple-grouser | 600 (24")* | 48280 (7483) | 0.65 (9.24) | ±0 | :6.47 m (21'3") |
| | | 700 (28") | 56330 (8731) | 0.55 (7.82) | +360 (794) | :1.4 $m^3$ (1.83 cu.yd) |
| **PC300LC-8**<br>**PC300LC-8*[11]** | Triple-grouser | 600 (24") | 52230 (8096) | 0.60 (8.53) | -600 (1323) | :6.47 m (21'3") |
| | | 700 (28")* | 60940 (9446) | 0.53 (7.54) | ±0 | :3.185 m (10'5") |
| | | 800 (31.5") | 69650 (10796) | 0.47 (6.68) | +380 (838) | :1.4 $m^3$ (1.83 cu.yd) |
| **PC300LC-8*[6]** | Triple-grouser | 600 (24") | 52230 (8096) | 0.61 (8.67) | -380 (838) | :6.47 m (21'3") |
| | | 700 (28")* | 60940 (9446) | 0.53 (7.48) | ±0 | :3.185 m (10'5") |
| | | 800 (31.5") | 69650 (10796) | 0.47 (6.63) | +380 (838) | :1.4 $m^3$ (1.83 cu.yd) |
| **PC300LC-8*[6]**<br>**(SE spec)** | Triple-grouser | 600 (24") | 52230 (8096) | 0.69 (9.86) | -380 (838) | :6.47 m (21'3") |
| | | 700 (28")* | 60940 (9446) | 0.56 (7.90) | ±0 | :3.185 m (10'5") |
| | | 800 (31.5") | 69650 (10796) | 0.50 (6.98) | +380 (838) | :1.4 $m^3$ (1.83 cu.yd) |
| **PC300LC-8*[7]** | Triple-grouser | 600 (24") | 52230 (8096) | 0.60 (8.56) | -760 (1675) | :6.47 m (21'3") |
| | | 700 (28") | 60940 (9446) | 0.53 (7.48) | -380 (838) | :3.185 m (10'5") |
| | | 800 (31.5")* | 69650 (10796) | 0.47 (6.63) | ±0 | :1.4 $m^3$ (1.83 cu.yd) |
| **PC300LC-8*[7]**<br>**(SE spec)** | Triple-grouser | 600 (24") | 52230 (8096) | 0.56 (7.90) | -760 (1675) | :6.47 m (21'3") |
| | | 700 (28") | 60940 (9446) | 0.50 (6.98) | -380 (838) | :3.185 m (10'5") |
| | | 800 (31.5")* | 69650 (10796) | 0.60 (8.56) | ±0 | :1.4 $m^3$ (1.83 cu.yd) |
| **PC300LC-7*[5]** | Triple-grouser | 600 (24")* | 52230 (8096) | 0.64 (9.10) | ±0 | :6.47 m (21'3") |
| | | | | | | :3.185 m (10'5") |
| | | | | | | :1.4 $m^3$ (1.83 cu.yd) |
| **PC350-8**<br>**PC350-7** | Triple-grouser | 600 (24")* | 48280 (7483) | 0.67 (9.53) | ±0 | :6.47 m (21'3") |
| | | 700 (28") | 56330 (8731) | 0.58 (8.25) | +360 (794) | :3.185 m (10'5") |
| | | | | | | :1.4 $m^3$ (1.83 cu.yd) |
| **PC350LC-8**<br>**PC350LC-7** | Triple-grouser | 600 (24")* | 52230 (8096) | 0.64 (9.10) | ±0 | :6.47 m (21'3") |
| | | 700 (28") | 60940 (9446) | 0.56 (7.96) | +380 (838) | :3.185 m (10'5") |
| | | | | | | :1.4 $m^3$ (1.83 cu.yd) |

* Standard shoe
** USA source
*** UK source
*[4] China source
*[5] India source
*[6] Thailand source
*[7] Indonesia source
*[8] Brazil source
*[9] Italy source
*[10] for USA
*[11] for UK
*[12] for Russia

**NOTE:** The shoe for the long-track excavator (L and LC), wide shoe (excluding the narrowest shoe for a model) and swamp shoe are provided with low ground pressure. These shoes should be used on soft and swampy terrain where the standard excavator with standard shoe is not usable due to sinkage of the tracks. If such shoes are used in swampy fields with stones, stumps and roots, bending of the shoe plates, cracks in the links, breakage of pins, loosening of shoe bolts and other damage may result. Therefore, the job site must be studied carefully, to provide the customer with correct instructions and advice.



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| | Shoe type | Shoe width mm (in) | Ground contact area $cm^2$ (sq.in) | Ground pressure $kg/cm^2$ (PSI) | Change in operating weight kg (lb) | Boom Arm Bucket |
|---|---|---|---|---|---|---|
| **PC350LC-8*[8]** | Triple-grouser | 600 (24")* | 52230 (8096) | 0.67 (9.53) | ±0 | :6.47 m (21'3") |
| | | 700 (28") | 60940 (9446) | 0.59 (8.39) | +500 (1102) | :3.185 m (10'5") |
| | | 800 (31.5") | 69650 (10796) | 0.52 (7.39) | +902 (1989) | :1.4 $m^3$ (1.83 cu.yd) |
| **PC360LC-10**** | Triple-grouser | 700 (28") | 60940 (9446) | 0.58 (8.25) | -380 (838) | :6.47 m (21'3") |
| | | 800 (31.5")* | 69950 (10796) | 0.52 (7.39) | ±0 | :3.185 m (10'5") |
| | | 850 (33.5") | 74300 (11517) | 0.49 (6.97) | +380 (838) | :1.96 $m^3$ (2.56 cu.yd) |
| **PC360LC-10***** | Triple-grouser | 600 (24") | 52230 (8096) | 0.68 (9.67) | -380 (838) | :6.47 m (21'3") |
| | | 700 (28")* | 60940 (9446) | 0.59 (8.39) | ±0 | :3.2 m (10'6") |
| | | 800 (31.5") | 69950 (10796) | 0.52 (7.39) | +380 (838) | :2.66 $m^3$ (3.48 cu.yd) |
| | | 850 (33.5") | 74300 (11517) | 0.50 (7.11) | +570 (1257) | |
| **PC360NLC-10***** | Triple-grouser | 600 (24")* | 52230 (8096) | 0.68 (9.67) | ±0 | :6.47 m (21'3") |
| | | 700 (28") | 60940 (9446) | 0.59 (8.39) | +380 (838) | :3.2 m (10'6") |
| | | 800 (31.5") | 69650 (10796) | 0.52 (7.39) | +760 (1675) | :2.66 $m^3$ (3.48 cu.yd) |
| **PC360-7*[4]** | Triple-grouser | 600 (24")* | 48280 (7483) | 0.67 (9.53) | ±0 | :6.47 m (21'3") |
| | | | | | | :3.185 m (10'5") |
| | | | | | | :1.4 $m^3$ (1.83 cu.yd) |
| **PC390LC-10**** | Triple-grouser | 700 (28") | 65390 (10135) | 0.59 (8.39) | -504 (1111) | :6.5 m (21'3") |
| | | 800 (31.5")* | 74730 (11583) | 0.52 (7.39) | ±0 | :3.185 m (10'5") |
| | | 900 (33.5") | 84070 (13030) | 0.46 (6.54) | +437 (963) | :1.96 $m^3$ (2.56 cu.yd) |
| **PC400-8**<br>**PC400-8R**<br>**PC400-7**<br>**PC400-7*[11]** | Triple-grouser | 600 (24")* | 52090 (8074) | 0.79 (11.24) | ±0 | :7.06 m (23'2") |
| | | 700 (28") | 60770 (9419) | 0.69 (9.81) | +420 (926) | :3.38 m (11'1") |
| | | 800 (31.4") | 69450 (10765) | 0.61 (8.67) | +850 (1874) | :1.9 $m^3$ (2.49 cu.yd) |
| **PC400-8*[4]** | Triple-grouser | 600 (24")* | 52090 (8074) | 0.81 (11.5) | ±0 | :7.06 m (23'2") |
| | | 700 (28") | 60770 (9419) | 0.70 (9.95) | +500 (1102) | :3.38 m (11'1") |
| | | 800 (31.4") | 69450 (10765) | 0.62 (8.82) | +900 (1984) | :1.9 $m^3$ (2.49 cu.yd) |
| **PC400-8R*[7]**<br>**(SE spec)** | Triple-grouser | 600 (24")* | 52090 (8074) | 0.81 (11.5) | ±0 | :7.06 m (23'2") |
| | | 700 (28") | 60770 (9419) | 0.70 (9.95) | +500 (1102) | :3.38 m (11'1") |
| | | 800 (31.4") | 69450 (10765) | 0.62 (8.82) | +940 (2072) | :1.9 $m^3$ (2.49 cu.yd) |
| **PC400LC-8**<br>**PC400LC-8R** | Triple-grouser | 600 (24") | 56050 (8638) | 0.75 (10.7) | -450 (992) | :7.06 m (23'2") |
| | | 700 (28")* | 65390 (10135) | 0.65 (9.24) | ±0 | :3.38 m (11'1") |
| | | 800 (31.4") | 74730 (11583) | 0.57 (8.11) | +460 (1014) | :1.9 $m^3$ (2.49 cu.yd) |
| **PC400LC-7**<br>**PC400LC-7*[11]** | Triple-grouser | 600 (24") | 56050 (8638) | 0.76 (10.81) | -450 (992) | :7.06 m (23'2") |
| | | 700 (28")* | 65390 (10135) | 0.66 (9.39) | ±0 | :3.38 m (11'1") |
| | | 800 (31.4") | 74730 (11583) | 0.58 (8.25) | +450 (992) | :1.9 $m^3$ (2.49 cu.yd) |
| **PC450-8**<br>**PC450-8R** | Triple-grouser | 600 (24")* | 52090 (8074) | 0.82 (11.7) | ±0 | :7.06 m (23'2") |
| | | 700 (28") | 60770 (9419) | 0.71 (10.1) | +420 (926) | :3.38 m (11'1") |
| | | | | | | :1.9 $m^3$ (2.49 cu.yd) |
| **PC450-8*[4]** | Triple-grouser | 600 (24")* | 52090 (8074) | 0.87 (12.4) | ±0 | :7.06 m (23'2") |
| | | | | | | :3.38 m (11'1") |
| | | | | | | :2.1 $m^3$ (2.75 cu.yd) |
| **PC450-7** | Triple-grouser | 600 (24")* | 52090 (8074) | 0.83 (11.8) | ±0 | :7.06 m (23'2") |
| | | 700 (28") | 60770 (9419) | 0.71 (10.1) | +420 (926) | :3.38 m (11'1") |
| | | | | | | :1.9 $m^3$ (2.49 cu.yd) |
| **PC450LC-8**<br>**PC450LC-8R** | Triple-grouser | 600 (24")* | 56050 (8688) | 0.78 (11.1) | ±0 | :7.06 m (23'2") |
| | | 700 (28") | 65390 (10135) | 0.68 (9.67) | +450 (992) | :3.38 m (11'1") |
| | | | | | | :1.9 $m^3$ (2.49 cu.yd) |
| **PC490-10***** | Triple-grouser | 600 (24")* | 52090 (8074) | 0.89 (12.7) | ±0 | :7.1 m (23'4") |
| | | 700 (28") | 60770 (9419) | 0.77 (10.9) | +470 (1036) | :3.4 m (11'2") |
| | | 800 (31.4") | 69450 (10765) | 0.68 (9.67) | +940 (2072) | :2.2 $m^3$ (2.88 cu.yd) |
| | Double-grouser | 600 (24") | 52090 (8074) | 0.89 (12.7) | +120 (265) | |

* Standard shoe
** USA source
*** UK source
*[4] China source
*[5] India source
*[6] Thailand source
*[7] Indonesia source
*[8] Brazil source
*[9] Italy source
*[10] for USA
*[11] for UK
*[12] for Russia

**NOTE:** The shoe for the long-track excavator (L and LC), wide shoe (excluding the narrowest shoe for a model) and swamp shoe are provided with low ground pressure. These shoes should be used on soft and swampy terrain where the standard excavator with standard shoe is not usable due to sinkage of the tracks. If such shoes are used in swampy fields with stones, stumps and roots, bending of the shoe plates, cracks in the links, breakage of pins, loosening of shoe bolts and other damage may result. Therefore, the job site must be studied carefully, to provide the customer with correct instructions and advice.



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| | Shoe type | Shoe width mm (in) | Ground contact area $cm^2$ (sq.in) | Ground pressure $kg/cm^2$ (PSI) | Change in operating weight kg (lb) | Boom Arm Bucket |
|---|---|---|---|---|---|---|
| **PC490LC-10*** ** | Triple-grouser | 600 (24") | 56050 (8688) | 0.84 (12.7) | -500 (1102) | :7.1 m (23'4") |
| | | 700 (28")* | 65390 (10135) | 0.72 (10.9) | ±0 | :3.4 m (11'2") |
| | | 800 (31.4") | 74730 (11583) | 0.64 (9.67) | +500 (1102) | :2.2 $m^3$ (2.88 cu.yd) |
| | | 900 (33.5") | 84070 (13030) | 0.57 (6.54) | +990 (2183) | |
| | Double-grouser | 600 (24") | 56050 (8688) | 0.84 (12.7) | -380 (838) | |
| **PC490LC-10*** ** | Triple-grouser | 700 (28") | 65390 (10135) | 0.72 (10.9) | -500 (1102) | :7.06 m (23'2") |
| | | 800 (31.4")* | 74730 (11583) | 0.64 (9.67) | ±0 | :3.38 m (11'1") |
| | | 900 (33.5") | 84070 (13030) | 0.57 (6.54) | +490 (1080) | :2.25 m3 (2.94 cu.yd) |
| **PC550LC-8** | Triple-grouser | 600 (24")* | 55240 (8562) | 0.93 (13.2) | ±0 | :6.67 m (21'11") |
| | | 750 (29.5") | 69090 (10709) | 0.75 (10.7) | +800 (1764) | :2.4 m (7"10") |
| | | | | | | :3.0 $m^3$ (3.92 cu.yd) |
| **PC600-8E0 PC600-8R1** | Triple-grouser | 600 (24")* | 55240 (8562) | 1.04 (14.8) | ±0 | :7.66 m (25'2") |
| | | 750 (29.5") | 69090 (10709) | 0.87 (12.4) | +800 (1764) | :3.5 m (11'6") |
| | | | | | | :2.7 $m^3$ (3.53 cu.yd) |
| **PC600-8*** ** | Triple-grouser | 600 (24")* | 55240 (8562) | 1.03 (14.5) | ±0 | :7.66 m (25'2") |
| | | 750 (29.5") | 69090 (10709) | 0.84 (11.94) | +800 (1764) | :2.9 m (9'6") |
| | | | | | | :2.8 $m^3$ (3.66 cu.yd) |
| **PC600-7*[12]** | Triple-grouser | 600 (24")* | 55240 (8562) | 1.04 (14.79) | ±0 | :7.66 m (25'2") |
| | | 750 (29.5") | 69090 (10709) | 0.84 (11.94) | +800 (1764) | :3.5 m (11'6") |
| | | | | | | :2.7 $m^3$ (3.53 cu.yd) |
| **PC600LC-8E0 PC600LC-8R1** | Triple-grouser | 600 (24")* | 59440 (9213) | 1.01 (14.4) | ±0 | :7.66 m (25'2") |
| | | 750 (29.5") | 74300 (11517) | 0.82 (11.7) | +800 (1764) | :3.5 m (11'6") |
| | | 900 (33.5") | 89160 (13820) | 0.69 (9.8) | +1700 (3748) | :2.7 $m^3$ (3.53 cu.yd) |
| **PC600LC-8*** ** | Triple-grouser | 600 (24")* | 59440 (9213) | 0.98 (13.9) | ±0 | :7.66 m (25'2") |
| | | 750 (29.5") | 74300 (11517) | 0.79 (11.2) | +880 (1940) | :3.5 m (11'6") |
| | | 900 (35.4") | 89160 (13820) | 0.67 (9.5) | +1740 (3840) | :2.7 $m^3$ (3.53 cu.yd) |
| **PC600LC-7*[12]** | Triple-grouser | 600 (24")* | 59440 (9213) | 0.97 (13.8) | ±0 | :7.66 m (25'2") |
| | | 750 (29.5") | 74300 (11517) | 0.79 (11.2) | +880 (1940) | :3.5 m (11'6") |
| | | 900 (35.4") | 89160 (13820) | 0.67 (9.5) | +1740 (3840) | :2.7 $m^3$ (3.53 cu.yd) |
| **PC650LC-8E0*[10]** | Double-grouser | 750 (29.5") | 74300 (11517) | 0.86 (12.3) | -900 (1984) | :7.66 m (25'2") |
| | | 900 (33.5")* | 89160 (13820) | 0.73 (10.3) | ±0 | :3.5 m (11'6") |
| | | | | | | :2.7 $m^3$ (3.53 cu.yd) |
| **PC650LC-8R*[4]** | Double-grouser | 600 (24")* | 59440 (9213) | 0.99 (14.1) | ±0 | :7.3 m (23'11") |
| | | | | | | :3.5 m (11'6") |
| | | | | | | :3.1 $m^3$ (4.05 cu.yd) |
| **PC700LC-8E0 PC700LC-8R1** | Double-grouser | 610 (24")* | 60170 (9326) | 1.09 (15.5) | ±0 | :7.3 m (23'11") |
| | | 710 (28") | 70030 (10855) | 0.95 (13.5) | +800 (1764) | :3.5 m (11'6") |
| | | | | | | :2.8 $m^3$ (3.66 cu.yd) |
| **PC700LC-8E0*** ** | Double-grouser | 610 (24")* | 60170 (9326) | 1.08 (15.4) | ±0 | :6.6 m (21'8") |
| | | 710 (28") | 70030 (10855) | 0.94 (13.4) | +690 (1521) | :2.9 m (9'6") |
| | | 810 (32") | 79900 (12385) | 0.83 (11.9) | +1375 (3031) | :4.0 $m^3$ (5.23 cu.yd) |
| | | 910 (36") | 89760 (13913) | 0.74 (10.5) | +1400 (3086) | |
| **PC700LC-8E0*[4]** | Double-grouser | 610 (24")* | 60170 (9326) | 1.11 (15.8) | ±0 | :6.6 m (21'8") |
| | | 710 (28") | 70030 (10855) | 0.97 (13.8) | +800 (1764) | :2.9 m (9'6") |
| | | | | | | :4.0 $m^3$ (5.23 cu.yd) |
| **PC750-7*[12]** | Double-grouser | 610 (24")* | 60170 (9326) | 1.20 (17.1) | ±0 | |
| | | 710 (28") | 70030 (10855) | 1.04 (14.8) | +800 (1764) | :8.2 m (26'11") |
| | | 810 (32") | 79900 (12385) | 0.92 (13.1) | +1330 (2930) | :3.6 m (11'10") |
| | | 910 (36") | 89760 (13913) | 0.83 (11.8) | +1970 (4340) | :3.1 $m^3$ (4.05 cu.yd) |
| | | 1010 (40") | 99630 (15443) | 0.75 (10.7) | +2610 (5750) | |

* Standard shoe
** USA source
*** UK source
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*[5] India source
*[6] Thailand source
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*[9] Italy source
*[10] for USA
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**NOTE:** The shoe for the long-track excavator (L and LC), wide shoe (excluding the narrowest shoe for a model) and swamp shoe are provided with low ground pressure. These shoes should be used on soft and swampy terrain where the standard excavator with standard shoe is not usable due to sinkage of the tracks. If such shoes are used in swampy fields with stones, stumps and roots, bending of the shoe plates, cracks in the links, breakage of pins, loosening of shoe bolts and other damage may result. Therefore, the job site must be studied carefully, to provide the customer with correct instructions and advice.



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| | Shoe type | Shoe width mm (in) | Ground contact area $cm^2$ (sq.in) | Ground pressure $kg/cm^2$ (PSI) | Change in operating weight kg (lb) | Boom Arm Bucket |
|---|---|---|---|---|---|---|
| **PC800-8E0 PC800-8R1** | Double-grouser | 610 (24")* | 60170 (9326) | 1.24 (17.6) | ±0 | :8.2 m (26'11") |
| | | 710 (28") | 70030 (10855) | 1.08 (15.3) | +800 (1764) | :3.6 m (11'10") |
| | | 810 (32") | 79900 (12385) | 0.95 (13.5) | +1330 (2932) | :3.1 $m^3$ (4.05 cu.yd) |
| | | 910 (36") | 89760 (13913) | 0.85 (12.1) | +1970 (4343) | |
| | | 1010 (40") | 99630 (15443) | 0.77 (10.9) | +2610 (5754) | |
| **PC800-8E0*** ** | Double-grouser | 610 (24")* | 60170 (9326) | 1.30 (18.5) | ±0 | :7.1 m (23'4") |
| | | 710 (28") | 70030 (10855) | 1.12 (15.9) | +700 (1543) | :2.9 m (9'6") |
| | | 810 (32") | 79900 (12385) | 0.99 (13.5) | +1400 (3086) | :4.0 $m^3$ (5.23 cu.yd) |
| | | 910 (36") | 89760 (13913) | 0.89 (12.1) | +2100 (4630) | |
| **PC800LC-8E0 PC800LC-8R1** | Double-grouser | 810 (32")* | 88320 (13690) | 0.88 (12.5) | ±0 | :8.2 m (26'11") |
| | | 1010 (40") | 110130 (17070) | 0.72 (10.2) | +1400 (3086) | :3.6 m (11'10") |
| | | 1110 (44") | 121030 (18760) | 0.66 (9.38) | +2100 (4630) | :3.1 $m^3$ (4.05 cu.yd) |
| **PC800LC-8E0*** ** | Double-grouser | 710 (28") | 77420 (12000) | 1.05 (14.9) | ±0 | :8.0 m (26'3") |
| | | 810 (32") | 88320 (13690) | 0.93 (13.2) | +700 (1543) | :3.6 m (11'10") |
| | | 910 (36") | 99220 (15380) | 0.84 (11.9) | +1400 (3086) | :3.4 $m^3$ (4.45 cu.yd) |
| | | 1010 (40") | 110130 (17070) | 0.76 (10.8) | +2100 (4630) | |
| | | 1110 (44") | 121030 (18760) | 0.0.70 (9.95) | +2800 (6173) | |
| **PC800-8E0 PC800-8R1 (SE spec)** | Double-grouser | 610 (24")* | 60170 (9326) | 1.25 (17.8) | ±0 | :7.1 m (23'4") |
| | | 710 (28") | 70030 (10855) | 1.09 (15.5) | +800 (1764) | :2.9 m (9'6") |
| | | 810 (32") | 79900 (12385) | 0.96 (13.7) | +1330 (2932) | :4.0 $m^3$ (5.23 cu.yd) |
| | | 910 (36") | 89760 (13913) | 0.86 (12.2) | +1970 (4343) | |
| | | 1010 (40") | 99630 (15443) | 0.78 (11.1) | +2610 (5754) | |
| **PC750-7*[12] (SE spec)** | Double-grouser | 610 (24")* | 60170 (9326) | 1.22 (17.3) | ±0 | :7.1 m (23'4") |
| | | 710 (28") | 70030 (10855) | 1.06 (15.1) | +800 (1764) | :2.945 m (9'8") |
| | | 810 (32") | 79900 (12385) | 0.93 (13.2) | +1330 (2932) | :4.0 $m^3$ (5.23 cu.yd) |
| | | 910 (36") | 89760 (13913) | 0.84 (11.9) | +1970 (4343) | |
| | | 1010 (40") | 99630 (15443) | 0.76 (10.8) | +2610 (5754) | |
| **PC800LC-8E0 PC800LC-8R1 (SE spec)** | Double-grouser | 810 (32")* | 88320 (13690) | 0.89 (12.7) | ±0 | :8.04 m (26'5") |
| | | 1010 (40") | 110130 (17070) | 0.73 (10.4) | +1400 (3086) | :3.6 m (11'10") |
| | | 1110 (44") | 121030 (18760) | 0.67 (9.53) | +2100 (4630) | :3.4 $m^3$ (4.45 cu.yd) |
| **PC850-8E0 PC850-8R1** | Double-grouser | 610 (24")* | 60170 (9326) | 1.31 (18.6) | ±0 | :8.04 m (26'5") |
| | | 710 (28") | 70030 (10855) | 1.14 (16.2) | +800 (1764) | :3.6 m (11'10") |
| | | | | | | :3.4 $m^3$ (4.45 cu.yd) |
| **PC800-7*[12]** | Double-grouser | 610 (24")* | 60170 (9326) | 1.27 (18.1) | ±0 | :8.2 m (26'11") |
| | | 710 (28") | 70030 (10855) | 1.10 (15.6) | +800 (1764) | :3.6 m (11'10") |
| | | | | | | :3.4 $m^3$ (4.45 cu.yd) |
| **PC850-8E0 PC850-8R1 (SE spec)** | Double-grouser | 610 (24")* | 60170 (9326) | 1.31 (18.6) | ±0 | :7.1 m (23'4") |
| | | 710 (28") | 70030 (10855) | 1.13 (16.1) | +800 (1764) | :2.945 m (9'8") |
| | | | | | | :4.3 $m^3$ (5.62 cu.yd) |
| **PC800-7*[12] (SE spec.)** | Double-grouser | 610 (24")* | 60170 (9326) | 1.27 (18.1) | ±0 | :8.2 m (26'11") |
| | | 710 (28") | 70030 (10855) | 1.10 (15.6) | +800 (1764) | :3.6 m (11'10") |
| | | | | | | :3.4 $m^3$ (4.45 cu.yd) |
| **PC1250-8 PC1250-8R** | Double-grouser | 700 (28")* | 76450 (11850) | 1.39 (19.8) | ±0 | :9.1 m (29'10") |
| | | 1000 (39.4") | 109200 (16926) | 0.99 (14.1) | +2310 (5090) | :3.4 m (11'2") |
| | | | | | | :5.0 $m^3$ (6.54 cu.yd) |
| **PC1250-8R*[7]** | Double-grouser | 700 (28")* | 76450 (11850) | 1.39 (19.8) | ±0 | :7.8 m (25'7") |
| | | | | | | :3.4 m (11'2") |
| | | | | | | :6.7 $m^3$ (8.8 cu.yd) |
| **PC1250-7** | Double-grouser | 700 (28")* | 76450 (11850) | 1.35 (19.2) | ±0 | :9.1 m (29'10") |
| | | 1000 (39.4") | 109200 (16926) | 0.96 (13.7) | +2300 (5070) | :3.4 m (11'2") |
| | | | | | | :5.0 $m^3$ (6.54 cu.yd) |

* Standard shoe
** USA source
*** UK source
*[4] China source
*[5] India source
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*[9] Italy source
*[10] for USA
*[11] for UK
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**NOTE:** The shoe for the long-track excavator (L and LC), wide shoe (excluding the narrowest shoe for a model) and swamp shoe are provided with low ground pressure. These shoes should be used on soft and swampy terrain where the standard excavator with standard shoe is not usable due to sinkage of the tracks. If such shoes are used in swampy fields with stones, stumps and roots, bending of the shoe plates, cracks in the links, breakage of pins, loosening of shoe bolts and other damage may result. Therefore, the job site must be studied carefully, to provide the customer with correct instructions and advice.



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| | Shoe type | Shoe width mm (in) | Ground contact area $cm^2$ (sq.in) | Ground pressure $kg/cm^2$ (PSI) | Change in operating weight kg (lb) | Boom<br>Arm<br>Bucket |
|---|---|---|---|---|---|---|
| **PC1250LC-8** | Double-grouser | 1000 (39.4")* | 128700 (19949) | 0.88 (12.5) | ±0 | :9.1 m (29'10") |
| | | 1200 (47.2") | 154400 (23932) | 0.75 (10.4) | +2000 (4410) | :3.4 m (11'2") |
| | | | | | | :5.2 $m^3$ (6.80 cu.yd) |
| **PC1250-8**<br>**PC1250-8R**<br>**(SP spec.)** | Double-grouser | 700 (28")* | 76450 (11850) | 1.44 (20.4) | ±0 | :7.8 m (25'7") |
| | | | | | | :3.4 m (11'2") |
| | | | | | | :6.7 $m^3$ (8.8 cu.yd) |
| **PC1250-7**<br>**(SP spec.)** | Double-grouser | 700 (28")* | 76450 (11850) | 1.36 (19.3) | ±0 | :7.8 m (25'7") |
| | | | | | | :3.4 m (11'2") |
| | | | | | | :6.5 $m^3$ (8.5 cu.yd) |
| **PC2000-8*7**<br>**PC2000-8** | Double-grouser | 810 (32")* | 103020 (15970) | 1.94 (27.6) | ±0 | :8.7 m (28'7") |
| | Triple-grouser | 1010 (40") | 128460 (1990) | 1.59 (22.6) | +4120 (9085) | :3.9 m (12'10") |
| | | | | | | :12.0 $m^3$ (15.7 cu.yd) |
| **PC3000-6**<br>**(Diesel Drive)** | Double-grouser | 800 (31.4")* | 106696 (16538) | 2.40 (34.1) | ±0 | :8.6 m (28'3") |
| | | 1000 (39.3") | 133370 (20672) | 1.99 (28.3) | +9000 (19840) | :4.0 m (13'1") |
| | | | | | | :15 $m^3$ (19.6 cu.yd) |
| **PC3000-6**<br>**(Electric Drive)** | Double-grouser | 800 (31.4")* | 106696 (16538) | 2.40 (34.0) | ±0 | : 8.6 m (28'3") |
| | | 1000 (39.3") | 133370 (20672) | 1.99 (28.1) | +9000 (19840) | : 4.0 m (13'1") |
| | | | | | | : 15 $m^3$ (19.6 cu.yd) |
| **PC4000-6**<br>**(Diesel Drive)** | Double-grouser | 1200 (47.2")* | 178793 (27741) | 2.20 (31.3) | ±0 | : 9.75 m (32'0") |
| | | 1500 (59") | 223491 (34641) | 1.79 (25.4) | +5000 (11020) | : 4.5 m (14'9") |
| | | | | | | : 22 $m^3$ (28.8 cu.yd) |
| **PC4000-6**<br>**(Electric Drive)** | Double-grouser | 1200 (47.2")* | 178793 (27741) | 2.18 (31.0) | ±0 | : 9.75 m (32'0") |
| | | 1500 (59") | 223491 (34641) | 1.77 (25.1) | +5000 (11023) | : 4.5 m (14'9") |
| | | | | | | : 22 $m^3$ (28.8 cu.yd) |
| **PC5500-6**<br>**(Diesel Drive)** | Double-grouser | 1350 (53")* | 222145 (34432) | 2.41 (34.3) | ±0 | : 11 m (36'1") |
| | | 1800 (71") | 296194 (45910) | 1.85 (26.3) | +14000 (30860) | : 5.1 m (16'9") |
| | | | | | | : 29 $m^3$ (38 cu.yd) |
| **PC5500-6**<br>**(Electric Drive)** | Double-grouser | 1350 (53")* | 222145 (34432) | 2.41 (34.3) | ±0 | : 11 m (36'1") |
| | | 1800 (71") | 296194 (45910) | 1.85 (26.4) | +14000 (30860) | : 5.1 m (16'9") |
| | | | | | | : 29 $m^3$ (38 cu.yd) |
| **PC8000-6**<br>**(Diesel Drive)** | Double-grouser | 1500 (59")* | 276668 (41954) | 2.75 (39.1) | ±0 | : 11.5 m (37'9") |
| | | 1900 (75") | 342846 (53141) | 2.27 (32.3) | +14000 (30860) | : 5.5 m (18'1") |
| | | | | | | : 42 $m^3$ (55 cu.yd) |
| **PC8000-6**<br>**(Electric Drive)** | Double-grouser | 1500 (59")* | 276668 (41954) | 2.70 (38.5) | ±0 | : 11.5 m (37'10") |
| | | 1900 (75") | 342846 (53141) | 2.17 (30.9) | +12000 (26460) | : 5.5 m (18'1") |
| | | | | | | : 38 $m^3$ (49.7 cu.yd) |

* Standard shoe
** USA source
*** UK source
*4 China source
*5 India source
*6 Thailand source
*7 Indonesia source
*8 Brazil source
*9 Italy source
*10 for USA
*11 for UK
*12 for Russia

**NOTE:** The shoe for the long-track excavator (L and LC), wide shoe (excluding the narrowest shoe for a model) and swamp shoe are provided with low ground pressure. These shoes should be used on soft and swampy terrain where the standard excavator with standard shoe is not usable due to sinkage of the tracks. If such shoes are used in swampy fields with stones, stumps and roots, bending of the shoe plates, cracks in the links, breakage of pins, loosening of shoe bolts and other damage may result. Therefore, the job site must be studied carefully, to provide the customer with correct instructions and advice.



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## BUCKET CAPACITY RATING

Bucket capacity is measured in terms of either struck or heaped capacity. Generally, the heaped capacity description is more frequently used.

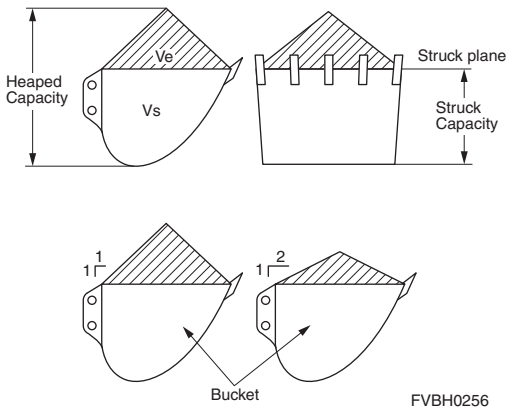
Komatsu Ltd. rates the excavator bucket capacity based on ISO and other standards such as JIS, PCSA and SAE (JIS and SAE are based on ISO.)

1) Struck Capacity

   The struck capacity is the volume capacity of the bucket after it has been struck at the strike plane. The strike plane passes through the top back edge of the bucket and the cutting edge. (See top figure at right)

2) Heaped Capacity

   The heaped capacity is the sum of the struck capacity plus the volume of material heaped on the bucket at a 1:2 angle of repose, as shown in the center figure at right. This in no way implies that the hoe must carry the bucket oriented in this attitude, or that all material will naturally have a 1:2 angle of repose.




Vh=Vs+Ve Where:
- Vs: struck capacity
- Vh: heaped capacity
- Ve: excess material heaped at 1:2 or 1:1 angle of repose

There are various standards for designating the heaped capacity of the bucket.

The principal difference among these definitions is the "angle of repose", as listed in the table below.

The angle of repose

| Standard / Bucket type | ISO | JIS | PCSA | SAE | CECE |
|---|---|---|---|---|---|
| Hoe bucket | 1:1 | 1:1 | 1:1 | 1:1 | 1:2 |
| Loading shovel | 1:2 | 1:2 | 1:2 | 1:2 | 1:2 |

Notes:
- ISO.....International Organization of Standerd - ISO 7451 and ISO 7546
- JIS.....Japanese Industrial Standard - JIS A8401 - 1976
- PCSA....Power Crane and Shovel Association (USA) - PCSA No.37-26
- SAE.....Society of Automotive Engineers (USA) - SAE J296/J742b
- CECE....Committee of European Construction Equipment - CECE SECTION VI


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## Bucket selection for excavator

Komatsu offers various kinds and sizes of buckets so that the users are able to select the optimum bucket for the type of soil and the work to be performed. This enables the work to be accomplished most efficiently.
The following is a guide for selecting the optimum bucket.

### 1. Selection of type (shape)

Various types can be attached to excavators.

- General purpose bucket
- Light duty bucket
- Heavy duty bucket
- Narrow bucket (Ditch bucket)
- Rock bucket
- Ripper bucket
- Other special buckets

The appropriate type should be selected for each job application.

It is recommended to ask the Komatsu distributor about the availability of necessary buckets. When the necessary bucket is not currently available, the distributor can request Komatsu to develop it.

### 2. Selection of size

The following two points 1) and 2) should be considered altogether.

1) From the machine stability (For backhoe type)

If the bucket size (capacity) is too big, it will worsen the stability of the machine, resulting in danger of tipping over or rolling over.

The concept of the bucket selection from the point of machine stability is from the following.

Putting A as the maximum allowable load from over-side (sideways) machine stability and B as the bucket working load (bucket weight + carrying material weight), the size of the bucket should be selected so as to be;

$B \leq A$

From Figure 1,

$A = W_1 + (L_0 / L)\, W_2 = W_1 + W_2$ Approximately

where, $W_1$ : The weight of the empty bucket shown in the table of Lift Capacity. The value of the weight is shown in the tables of "Bucket and Arm Combination".

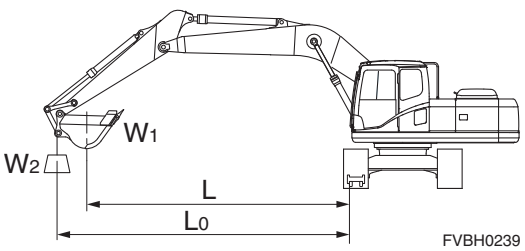
$W_2$ : The smallest lift capacity in the table of Lift Capacity at respective boom length and arm length (The lift capacity differs by the arm vertical position)

From Figure 2,

$B = W_3 + W_4$

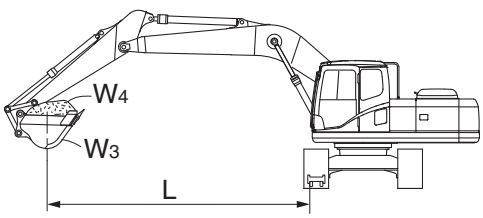
where, $W_3$ : The bucket weight used for the job

$W_4$ : The weight of carried material
(= rated bucket capacity × specific gravity of carried material)



FVBH0239

Figure 1



FVBH0240

Figure 2


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2) From the bucket penetration force

When selecting a bucket, check whether the penetration force of the bucket is sufficient for the soil at the job site. The bucket penetration force is the digging force per unit width of the bucket.

Bucket penetration force = Digging force / Bucket width

The larger the digging force per unit width of the bucket is, the larger the bucket penetration force (penetration performance) is.

The digging force is generated by the bucket hydraulic cylinder(s) and the boom hydraulic cylinder(s). In addition to the digging force, the width of the bucket and the tip radius (dimension from the bucket hinge center to the forefront of the bucket teeth) affects the bucket penetration force.

(1) Digging force

Rated digging force of the bucket is the force at the foremost digging point of the bucket. This digging force is generated by the bucket hydraulic cylinder and the arm hydraulic cylinder. The former is called the "Bucket digging force" and the latter is called the "Arm crowd force".

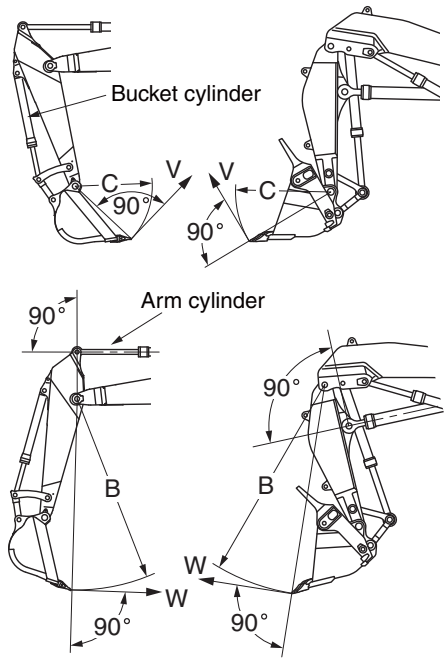
These digging forces are calculated by applying working relief hydraulic pressure to the cylinder(s). The weight of components and friction are to be excluded in the calculation. The definition of the digging forces are based on SAE J1179 and are as follows.

a. Bucket digging force

The rated bucket digging force (V, in the top figure) is the force generated by the bucket cylinder(s) and the tangent to the arc of radius C. The bucket should be positioned to obtain the maximum output moment from the bucket cylinder(s) and the connecting linkage.

b. Arm crowd force

The rated arm crowd force (W, in the bottom figure) is the force generated by the arm cylinder(s) and the tangent to the arc of the radius B. The arm should be positioned to obtain the maximum output moment from the arm cylinder(s) and the bucket, positioned as mentioned above.



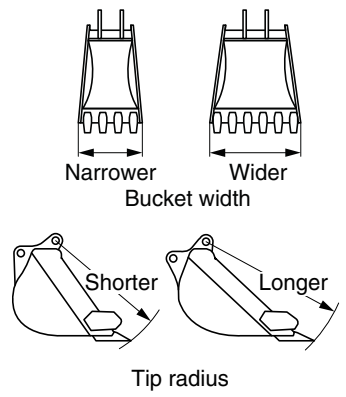

(2) Bucket width

The wider the bucket is, the worse the bucket penetration is. Generally speaking, a wide bucket is recommended for excavating soil that can be broken easily. A narrow bucket is better suited for work on hard soil.

The width of the bucket must be limited also from the point of durability of the bucket, arm, boom and their hinge pins and bushings,. If the width is too great, it will cause excessive twist on the relevant parts, resulting in premature breakage or wear.

(3) Tip radius

The tip radius also affects the digging force of the bucket. If the bucket cylinder is provided with the same pushing force, the bucket with the shorter tip radius is better able to dig hard soil than the bucket with the longer tip radius.




The bucket width and the tip radius should be selected with the combination of the digging forces mentioned above in order to have appropriate bucket penetration.

When you need the values for allowable bucket width and bucket penetration force for each model, you can request and get the figures from Komatsu through your distributor.


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This shows the bucket sizes currently available for respective models produced in various Komatsu plants, in relation with the arm length.

All allowable sizes from the concept of machine stability in "BUCKET SELECTION" are not shown, but it is possible for Komatsu plants to develop the various size buckets according to the theory of "BUCKET SELECTION", if it is requested through a distributor.

The theory of "BUCKET SELECTION" can be applied when a bucket is procured from a local attachment manufacturers. But the quality of the bucket from a local supplier can not be guaranteed by Komatsu.

These charts are based on over-side stability with fully loaded bucket at maximum reach.
- ● : General purpose use, weight up to 2.1 t/m$^3$ (3500 lb/cu.yd)
- ○ : General purpose use, weight up to 1.8 t/m$^3$ (3000 lb/cu.yd)
- □ : General purpose use, weight up to 1.5 t/m$^3$ (2500 lb/cu.yd)
- ⊙ : Light duty work, weight up to 1.2 t/m$^3$ (2000 lb/cu.yd)
- × : Not usable.

| Bucket capacity (heaped) | | Width | | Weight kg (lb) (With side cutters or side shrouds) | Arm length m (ft.in) | | |
|---|---|---|---|---|---|---|---|
| SAE, PCSA m$^3$ (cu.yd) | CECE m$^3$ (cu.yd) | Without side cutters or side shrouds mm (in) | With side cutters or side shrouds mm (in) | | | | |
| **PC09-1** | | | | | 0.684 (2'3") | 0.687(2'3") | 0.884 (2'11") |
| 0.017 (0.022) | — | 225 (8.9") | 250 (9.8") | 11 (24) | ○ | ○ | ○ |
| 0.022 (0.029)* | — | 325 (12.8") | 350 (13.8") | 14 (31) | ○ | ○ | ⊙ |
| 0.025 (0.033) | — | 375 (14.8") | 400 (15.7") | 15 (33) | ⊙ | × | × |
| **PC14R-3** | | | | | 0.88 (2'11") | | 1.13 (3'8") |
| 0.03 (0.04) | — | 250 (9.8") | — | 19 (42) | ○ | | ○ |
| 0.035(0.046) | — | 300 (11.8") | — | 20 (44) | ○ | | ○ |
| 0.04 (0.05)* | — | 350 (13.8") | — | 22 (48) | ○ | | ○ |
| 0.05 (0.065) | — | 400 (15.7") | — | 23 (51) | ○ | | × |
| 0.06 (0.08) | — | 450 (17.7") | — | 25 (55) | ○ | | × |
| **PC16R-3** | | | | | 0.965 (2'2") | | 1.215 (4'0") |
| 0.03 (0.04) | — | 250 (9.8") | — | 19 (42) | ○ | | ○ |
| 0.035(0.046) | — | 300 (11.8") | — | 20 (44) | ○ | | ○ |
| 0.04 (0.05)* | — | 350 (13.8") | — | 22 (48) | ○ | | ○ |
| 0.05 (0.065) | — | 400 (15.7") | — | 23 (51) | ○ | | × |
| 0.06 (0.08) | — | 450 (17.7") | — | 25 (55) | ○ | | × |
| **PC18MR-3** | | | | | 0.965 (3'2") | | 1.215 (4'0") |
| 0.022 (0.029) | 0.02 (0.03) | 250 (9.8") | 300 (11.8") | | ○ | | ○ |
| 0.04 (0.05) | 0.035 (0.05) | 350 (13.8") | 400 (15.7") | | ○ | | ○ |
| 0.044 (0.06) | 0.04 (0.052) | 400 (15.7") | 450 (17.7") | | ○ | | × |
| **PC18MR-3*4** | | | | | 0.965 (3'2") | | 1.215 (4'0") |
| 0.03 (0.04) | — | 250 (9.8") | — | 19 (42) | ○ | | ○ |
| 0.035(0.046) | — | 300 (11.8") | — | 20 (44) | ○ | | ○ |
| 0.04 (0.05) | — | 350 (13.8") | — | 22 (48) | ○ | | ○ |
| 0.05 (0.065) | — | 400 (15.7") | — | 23 (51) | ○ | | × |
| 0.06 (0.08) | — | 450 (17.7") | — | 25 (55) | ⊙ | | × |
| **PC20MR-3** | | | | | 0.97 (3'2") | | 1.32 (4'4") |
| 0.033 (0.043) | 0.03 (0.04) | 250 (9.8") | 320 (12.6") | 32 (70) | ○ | | ○ |
| 0.044 (0.058) | 0.04 (0.05) | 350 (13.8") | 420 (16.2") | 37 (82) | ○ | | ○ |
| 0.066 (0.086) | 0.06 (0.08) | 430 (16.9") | 500 (19.7") | 48 (106) | ○ | | ○ |
| 0.08 (0.10) | 0.07 (0.09) | 530 (20.9") | 600 (23.6") | 52 (115) | ⊙ | | × |
| **PC22MR-3** | | | | | 0.97 (3'2") | | 1.32 (4'4") |
| 0.035 (0.046) | — | 250 (9.8") | — | 30 (66) | ○ | | ○ |
| 0.055 (0.072) | — | 350 (13.8") | — | 40 (88) | ○ | | ○ |
| 0.07 (0.09) | — | 450 (17.7") | — | 50 (110) | ○ | | ○ |
| 0.085 (0.11) | — | 550 (21.7") | — | 60 (132) | ⊙ | | × |
| **PC27MR-3** | | | | | 1.1 (3'7") | | 1.37 (4'6") |
| 0.035 (0.046) | 0.03 (0.04) | 250 (10") | 320 (12.6") | — | ○ | | ○ |
| 0.044 (0.058) | 0.04 (0.05) | 280 (11") | 350 (13.8") | — | ○ | | ○ |
| 0.08 (0.10) | 0.07 (0.09) | 430 (17") | 500 (19.7") | — | ○ | | ○ |
| 0.09 (0.12) | — | 430 (21") | 500 (19.7") | — | ○ | | × |

* Without side cutters
** Heavy-duty bucket
*** Rock (Quarry) bucket
*4 Italy source
*5 China source
*6 Thailand source
*7 Brazil source
*8 UK source
*9 USA source
*10 Indnesia source
*11 India source
*12 for USA
*13 Russia source
*14 for UK
*16 Bucket lip width
*17 for Russia



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These charts are based on over-side stability with fully loaded bucket at maximum reach.
● : General purpose use, weight up to 2.1 t/m³ (3500 lb/cu.yd)
○ : General purpose use, weight up to 1.8 t/m³ (3000 lb/cu.yd)
□ : General purpose use, weight up to 1.5 t/m³ (2500 lb/cu.yd)
⊙ : Light duty work, weight up to 1.2 t/m³ (2000 lb/cu.yd)
× : Not usable.

| Bucket capacity (heaped) | | Width | | Weight kg (lb) (With side cutters or side shrouds) | Arm length m (ft.in) | |
|---|---|---|---|---|---|---|
| SAE, PCSA m³ (cu.yd) | CECE m³ (cu.yd) | Without side cutters or side shrouds mm (in) | With side cutters or side shrouds mm (in) | | | |
| **PC30MR-3** | | | | | 1.24 (4'1") | 1.61 (5'3") |
| 0.035 (0.046) | 0.03 (0.04) | 250 (9.8") | 320 (12.6") | 50 (110) | ○ | ○ |
| 0.044 (0.058) | 0.04 (0.05) | 280 (11.0") | 350 (13.8") | 52 (115) | ○ | ○ |
| 0.09 (0.12) | 0.08 (0.10) | 430 (16.9") | 500 (19.7") | 63 (139) | ○ | × |
| 0.11 (0.14) | 0.10 (0.13) | 530 (20.9") | 600 (23.6") | 81 (178) | ⊙ | × |
| **PC30MR-3*4** | | | | | 1.24 (4'1") | 1.61 (5'3") |
| 0.035 (0.046) | — | 300 (11.8") | — | 55 (121) | ○ | ○ |
| 0.07 (0.09) | — | 400 (15.7") | — | 65 (143) | ○ | ○ |
| 0.095 (0.12) | — | 500 (19.7") | — | 80 (176) | ○ | × |
| 0.12 (0.16) | — | 600 (23.6") | — | 90 (198) | ⊙ | × |
| 0.13 (0.17) | — | 650 (25.6") | — | 95 (209) | ⊙ | × |
| **PC35MR-3** | | | | | 1.37 (4'6") | 1.72 (5'8") |
| 0.055 (0.072) | 0.05 (0.065) | 350 (13.8") | 420 (16.5") | 59 (130) | ○ | ○ |
| 0.09 (0.12) | 0.08 (0.10) | 430 (16.9") | 500 (19.7") | 78 (172) | ○ | ○ |
| 0.11 (0.143) | 0.10 (0.13) | 530 (20.9") | 600 (23.6") | 83 (183) | ○ | × |
| 0.13 (0.17) | 0.12 (0.16) | 630 (24.8") | 700 (27.6") | 98 (216) | ⊙ | × |
| **PC35MR-3*4** | | | | | 1.37 (4'6") | 1.72 (5'8") |
| 0.035 (0.046) | — | 300 (11.8") | — | 55 (121) | ○ | ○ |
| 0.07 (0.09) | — | 400 (15.7") | — | 65 (143) | ○ | ○ |
| 0.095 (0.12) | — | 500 (19.7") | — | 80 (176) | ○ | ○ |
| 0.12 (0.16) | — | 600 (23.6") | — | 90 (198) | ○ | × |
| 0.13 (0.17) | — | 650 (25.6") | — | 95 (209) | ⊙ | × |
| **PC45MR-3** | | | | | 1.375 (4'6") | 1.77 (5'10") |
| 0.055 (0.07) | 0.05 (0.065) | 300 (11.8") | 370 (14.6") | 89 (196) | ○ | ○ |
| 0.11 (0.14) | 0.10 (0.13) | 430 (16.9") | 500 (19.7") | 94 (207) | ○ | ○ |
| 0.14 (0.18) | 0.13 (0.17) | 530 (20.9") | 600 (23.6") | 105 (231) | ○ | × |
| 0.16 (0.21) | 0.12 (0.18) | 580 (22.8") | 650 (25.6") | 121 (267) | ⊙ | × |
| **PC45MR-3*4** | | | | | 1.375 (4'6") | 1.77 (5'10") |
| 0.07 (0.09) | — | 300 (11.8") | — | 75 (165) | ○ | ○ |
| 0.10 (0.13) | — | 400 (15.7") | — | 90 (198) | ○ | ○ |
| 0.125 (0.16) | — | 500 (19.7") | — | 100 (202) | ○ | ○ |
| 0.15 (0.20) | — | 600 (23.6") | — | 115 (253) | ○ | × |
| 0.175 (0.39) | — | 700 (27.6") | — | 125 (276) | ⊙ | × |
| **PC55MR-3** | | | | | 1.64 (5'5") | 2.0 (6'7") |
| 0.055 (0.07) | 0.05 (0.065) | 300 (11.8") | 370 (14.6") | 89 (196) | ○ | ○ |
| 0.11 (0.14) | 0.10 (0.13) | 430 (16.9") | 500 (19.7") | 94 (207) | ○ | ○ |
| 0.16 (0.21) | 0.21 (0.18) | 580 (22.8") | 650 (25.6") | 121 (267) | ○ | × |
| **PC55MR-3*4** | | | | | 1.64 (5'5") | 2.0 (6'7") |
| 0.07 (0.09) | — | 300 (11.8") | — | 75 (165) | ○ | ○ |
| 0.10 (0.13) | — | 400 (15.7") | — | 90 (198) | ○ | ○ |
| 0.125 (0.16) | — | 500 (19.7") | — | 100 (202) | ○ | ○ |
| 0.15 (0.20) | — | 600 (23.6") | — | 115 (253) | ○ | ○ |
| 0.175 (0.39) | — | 700 (27.6") | — | 125 (276) | ⊙ | × |
| **PC56-7** | | | | | 1.64 (5'5") | |
| 0.055 (0.07) | — | 300 (11.8") | 365 (14.4") | 90 (198) | ○ | |
| 0.11 (0.14) | — | 430 (16.9") | 500 (19.7") | 110 (243) | ○ | |
| 0.2 (0.26) | — | 630 (24.8") | 700 (27.6") | 170 (375) | ○ | |
| 0.22 (0.29) | — | 655 (25.8") | 725 (28.5") | 180 (397) | ○ | |

* Without side cutters
** Heavy-duty bucket
*** Rock (Quarry) bucket
*4 Italy source
*5 China source
*6 Thailand source
*7 Brazil source
*8 UK source
*9 USA source
*10 Indnesia source
*11 India source
*12 for USA
*13 Russia source
*14 for UK
*16 Bucket lip width
*17 for Russia



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These charts are based on over-side stability with fully loaded bucket at maximum reach.
● : General purpose use, weight up to 2.1 t/m³ (3500 lb/cu.yd)
○ : General purpose use, weight up to 1.8 t/m³ (3000 lb/cu.yd)
□ : General purpose use, weight up to 1.5 t/m³ (2500 lb/cu.yd)
⊙ : Light duty work, weight up to 1.2 t/m³ (2000 lb/cu.yd)
× : Not usable.

| Bucket capacity (heaped) | | Width | | Weight kg (lb) (With side cutters or side shrouds) | Arm length m (ft.in) | | |
|---|---|---|---|---|---|---|---|
| SAE, PCSA m³ (cu.yd) | CECE m³ (cu.yd) | Without side cutters or side shrouds mm (in) | With side cutters or side shrouds mm (in) | | | | |
| **PC60-8*5** | | | | | 1.55 (5'1") | | |
| 0.25 (0.33) | — | 600 (23.6") | 700 (27.6") | 250 (551) | ○ | | |
| 0.30 (0.39) | — | 655 (25.8") | 750 (29.5") | 280 (617) | ○ | | |
| 0.30W (0.39) | — | 775 (30.5") | 890 (35.0") | 285 (628) | ○ | | |
| **PC70-8** | | | | | 1.65 (5'5") | | 1.65 (5'5") Strengthened Arm |
| 0.30 (0.39) | — | 655 (25.8") | 750 (29.5") | | ○ | | ○ |
| 0.37 (0.48) | — | 815 (32.1") | 925 (36.4") | | ○ | | ○ |
| 0.37 (0.48)** | — | 680 (26.8") | 775 (30.5") | | × | | ○ |
| **PC70-8*5** | | | | | 1.65 (5'5") | | 1.65 (5'5") Strengthened Arm |
| 0.30 (0.39) | — | 655 (25.8") | 750 (29.5") | 290 (639) | ○ | | ○ |
| 0.37 (0.48) | — | 815 (32.1") | 925 (36.4") | 300 (661) | ○ | | ○ |
| 0.37 (0.48)** | — | 680 (26.8") | 775 (30.5") | 310 (683) | × | | ○ |
| **PC71-7** | | | | | 1.65 (5'5") | | 2.25 (7'5") |
| 0.09 (0.12) | 0.08 (0.10) | 350 (13.8") | 450 (17.7") | 145 (320) | ○ | | ○ |
| 0.30 (0.39)** | 0.27 (0.35) | 650 (25.6") | 750 (29.5") | 266 (586) | ○ | | ⊙ |
| 0.30 (0.39) | 0.27 (0.35) | 790 (61.1") | 890 (35.0") | 236 (520) | ○ | | ⊙ |
| 0.35 (0.46) | 0.30 (0.39) | 845 (33.3") | 950 (37.4") | 265 (584) | ○ | | ⊙ |
| **PC78US-8** | | | | | 1.65 (5'5") | 2.25 (7'5") | |
| 0.09 (0.12) | 0.08 (0.10) | 350 (13.8") | 450 (17.7") | 145 (320) | ○ | ○ | — |
| 0.12 (0.16) | 0.11 (0.14) | 450 (17.7") | 550 (21.7") | 160 (355) | ○ | ○ | — |
| 0.20 (0.26) | 0.18 (0.24) | 550 (21.7") | 650 (25.6") | 185 (410) | ○ | ○ | — |
| 0.28 (0.37) | 0.25 (0.33) | 650 (25.6") | 750 (29.5") | 210 (465) | ○ | ○ | — |
| 0.34 (0.45) | 0.30 (0.39) | 755 (29.7") | — | 210 (465) | ⊙ | × | — |
| **PC80MR-3** | | | | | 1.65 (5'5") | 1.9 (6'3") | 2.25 (7'5") |
| 0.086 (0.11) | — | 300 (11.8") | — | 120 (265) | ○ | ○ | ○ |
| 0.128 (0.17) | — | 400 (15.7") | — | 130 (287) | ○ | ○ | ○ |
| 0.171 (0.22) | — | 500 (19.7") | — | 142 (313) | ○ | ○ | ○ |
| 0.2 (0.26) | — | 600 (23.6") | — | 155 (342) | ○ | ○ | ○ |
| 0.232 (0.30) | — | 700 (27.6") | — | 168 (370) | ○ | ○ | ⊙ |
| 0.265 (0.35) | — | 800 (31.5) | — | 180 (397) | ○ | ○ | ⊙ |
| **PC88MR-8** | | | | | 1.65 (5'5") | 2.25 (7'5") | |
| 0.09 (0.12) | 0.08 (0.10) | 350 (13.8") | 450 (17.7") | 145 (320) | ○ | ○ | — |
| 0.12 (0.16) | 0.11 (0.14) | 450 (17.7") | 550 (21.7") | 160 (353) | ○ | ○ | — |
| 0.20 (0.26) | 0.18 (0.24) | 550 (21.7") | 650 (25.6") | 185 (408) | ○ | ○ | — |
| 0.28 (0.37) | 0.25 (0.33) | 650 (25.6") | 750 (29.5") | 210 (463) | ○ | ○ | — |
| 0.34 (0.45) | 0.30 (0.39) | 750 (29.7") | — | 210 (463) | ⊙ | × | — |
| **PC88MR-8*4** | | | | | 1.65 (5'5") | 2.1 (6'11") | |
| 0.077 (1.0) | — | 350 (13.8") | — | 128 (282) | ○ | ○ | — |
| 0.109 (0.14) | — | 450 (17.7") | — | 144 (317) | ○ | ○ | — |
| 0.181 (0.24) | — | 550 (21.7") | — | 156 (344) | ○ | ○ | — |
| 0.235 (0.31) | — | 650 (25.6") | — | 175 (386) | ○ | ○ | — |
| 0.282 (0.37) | — | 750 (29.7") | — | 200 (441) | ○ | ○ | — |
| **PC110-7*5** | | | | | 2.26 (7'5") | | |
| 0.48 (0.63) | — | 833 (32.8") | — | 450 (992) | ○ | | |

* Without side cutters
** Heavy-duty bucket
*** Rock (Quarry) bucket
*4 Italy source
*5 China source
*6 Thailand source
*7 Brazil source
*8 UK source
*9 USA source
*10 Indnesia source
*11 India source
*12 for USA
*13 Russia source
*14 for UK
*16 Bucket lip width
*17 for Russia



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These charts are based on over-side stability with fully loaded bucket at maximum reach.
● : General purpose use, weight up to 2.1 t/m³ (3500 lb/cu.yd)
○ : General purpose use, weight up to 1.8 t/m³ (3000 lb/cu.yd)
□ : General purpose use, weight up to 1.5 t/m³ (2500 lb/cu.yd)
⊙ : Light duty work, weight up to 1.2 t/m³ (2000 lb/cu.yd)
× : Not usable.

| Bucket capacity (heaped) | | Width | | Weight kg (lb) (With side cutters or side shrouds) | Arm length m (ft.in) | | |
|---|---|---|---|---|---|---|---|
| SAE, PCSA m³ (cu.yd) | CECE m³ (cu.yd) | Without side cutters or side shrouds mm (in) | With side cutters or side shrouds mm (in) | | | | |
| **PC118MR-8*4** | | | | | 1.85 (6'1") | 2.0 (6'7") | 2.3 (7'7") |
| 0.093 (0.12) | — | | — | 168 (370) | ○ | ○ | ○ |
| 0.15 (0.20) | — | | — | 194 (428) | ○ | ○ | ○ |
| 0.19 (0.25) | — | | — | 218 (481) | ○ | ○ | ○ |
| 0.24 (0.31) | — | | — | 234 (516) | ○ | ○ | ○ |
| 0.28 (0.37) | — | | — | 252 (555) | ○ | ○ | ○ |
| 0.33 (043) | — | | — | 270 (595) | ○ | ○ | ○ |
| 0.36 (0.47) | — | | — | 294 (648) | ○ | ○ | ○ |
| 0.40 (0.52) | — | | — | 320 (705) | ○ | ○ | ⊙ |
| **PC130-8** | | | | | 2.1 (6'11") | 2.50 (8'2") | 3.00 (9'10") |
| 0.18 (0.24) | 0.16 (0.21) | 450 (17.7") | 570 (22.4") | 256 (565) | ○ | ○ | ○ |
| 0.28 (0.37) | 0.26 (0.34) | 600 (23.6") | 720 (28.3") | 303 (668) | ○ | ○ | ○ |
| 0.36 (0.47) | 0.33 (0.43) | 700 (27.6") | 820 (32.3") | 330 (728) | ○ | ○ | ○ |
| 0.50 (0.65) | 0.45 (0.59) | 859 (33.8") | 979 (38.5") | 399 (880) | ○ | ○ | × |
| 0.60 (0.78) | 0.55 (0.72) | 1000 (39.4") | — | 436 (961)* | ○ | ○ | × |
| **PC130-8*6** | | | | | 2.5 (8'2") | 3.00 (9'10") | |
| 0.18 (0.24) | 0.16 (0.21) | 450 (17.7") | 570 (22.4") | 256 (565) | ○ | ○ | |
| 0.28 (0.37) | 0.26 (0.34) | 600 (23.6") | 720 (28.3") | 303 (670) | ○ | ○ | |
| 0.36 (0.47) | 0.33 (0.43) | 700 (27.6") | 820 (32.3") | 330 (730) | ○ | ○ | |
| 0.50 (0.65) | 0.45 (0.59) | 859 (33.8") | 979 (38.5") | 399 (880) | ○ | ⊙ | |
| 0.60 (0.78) | 0.55 (0.72) | 1000 (39.4") | — | 436 (961)* | ⊙ | ⊙ | |
| **PC130-8*7** | | | | | 2.5 (8'2") | | |
| 0.50 (0.65) | 0.45 (0.59) | 859 (33.8") | 979 (38.5") | 399 (880) | ○ | | |
| 0.60 (0.78) | 0.55 (0.72) | 1000 (39.4") | — | 436 (961)* | ○ | | |
| **PC130-7*11** | | | | | 2.1 (6'11") | 2.5 (8'2") | |
| 0.53 (0.69) | — | 859 (33.8") | 984 (38.7") | 433 (954) | ○ | ○ | |
| 0.53 (0.69)** | — | — | 908 (35.8") | 470 (1036) | ○ | ○ | |
| 0.64 (0.83) | — | 1000 (39.4") | 1125 (44.3") | 485 (1069) | ○ | □ | |
| 0.70 (0.91) | — | 1080 (42.5") | 1210 (47.6") | 575 (1267) | ○ | □ | |
| **PC130-7*6** | | | | | 2.1 (6'11") | 2.50 (8'2") | 3.00 (9'10") |
| 0.36 (0.47) | — | 700 (27.6") | 825 (32.5") | 361 (796) | ○ | ○ | ○ |
| 0.45 (0.59) | — | 833 (32.8") | 958 (37.7") | 395 (871) | ○ | ○ | ○ |
| 0.53 (0.69) | — | 859 (33.8") | 984 (38.7") | 433 (955) | ○ | ○ | □ |
| 0.64 (0.84) | — | 1000 (39.4") | 1125 (44.3") | 485 (1069) | ○ | □ | □ |
| **PC138US-8** | | | | | 2.1 (6'11") | 2.50 (8'2") | 3.00 (9'10") |
| 0.18 (0.24) | 0.16 (0.21) | 450 (17.7") | 570 (22.4") | 256 (565) | ○ | ○ | ○ |
| 0.28 (0.37) | 0.26 (0.34) | 600 (23.6") | 720 (28.3") | 303 (670) | ○ | ○ | ○ |
| 0.36 (0.50) | 0.33 (0.43) | 700 (27.6") | 820 (32.3") | 330 (730) | ○ | ○ | ○ |
| 0.50 (0.65) | 0.45 (0.59) | 859 (33.8") | 979 (38.5") | 399 (880) | ○ | ○ | × |
| 0.60 (0.78) | 0.55 (0.72) | 1000 (39.4") | — | 436 (961)* | ⊙ | ⊙ | × |
| **PC138US-8*8** | | | | | 2.1 (6'11") | 2.5 (8'2") | 3.00 (9'10") |
| 0.18 (0.24) | — | 400 (15.7") | — | 300 (661)* | ○ | ○ | ○ |
| 0.25 (0.33) | — | 500 (19.7") | — | 325 (716)* | ○ | ○ | ○ |
| 0.32 (0.42) | — | 600 (23.6") | — | 350 (772)* | ○ | ○ | ○ |
| 0.40 (0.52) | | 700 (27.6") | | 390 (860)* | ○ | ○ | ○ |
| 0.48 (0.63) | — | 800 (31.5") | — | 440 (970)* | ○ | ○ | ○ |
| 0.56 (0.73) | — | 900 (35.4") | — | 475 (1047)* | ○ | ○ | ○ |
| 0.64 (0.84) | — | 1000 (39.4") | — | 505 (1113)* | ○ | □ | □ |
| 0.72 (0.94) | — | 1100 (43.3") | — | 560 (1235)* | □ | □ | ⊙ |
| 0.80 (1.05) | — | 1200 (47.2") | — | 620 (1367) | ⊙ | ⊙ | × |

* Without side cutters
** Heavy-duty bucket
*** Rock (Quarry) bucket
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*6 Thailand source
*7 Brazil source
*8 UK source
*9 USA source
*10 Indnesia source
*11 India source
*12 for USA
*13 Russia source
*14 for UK
*16 Bucket lip width
*17 for Russia



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These charts are based on over-side stability with fully loaded bucket at maximum reach.
● : General purpose use, weight up to 2.1 t/m³ (3500 lb/cu.yd)
○ : General purpose use, weight up to 1.8 t/m³ (3000 lb/cu.yd)
□ : General purpose use, weight up to 1.5 t/m³ (2500 lb/cu.yd)
⊙ : Light duty work, weight up to 1.2 t/m³ (2000 lb/cu.yd)
× : Not usable.

| Bucket capacity (heaped) | | Width | | Weight kg (lb) (With side cutters or side shrouds) | Arm length m (ft.in) | | |
|---|---|---|---|---|---|---|---|
| SAE, PCSA m³ (cu.yd) | CECE m³ (cu.yd) | Without side cutters or side shrouds mm (in) | With side cutters or side shrouds mm (in) | | | | |
| **PC138USLC-10*12** | | | | | 2.50 (8'2") | 3.00 (9'10") | |
| 0.26 (0.34) | — | 457 (18") | — | 332 (732) | ○ | ○ | |
| 0.38 (0.50) | — | 610 (24") | — | 387 (853) | ○ | ○ | |
| 0.51 (0.67) | — | 762 (30") | — | 437 (963) | ○ | ○ | |
| 0.63 (0.83) | — | 914 (36") | — | 499 (1099) | ○ | □ | |
| 0.76 (1.00) | — | 1067 (42") | — | 559 (1232) | □ | ⊙ | |
| **PC160LC-8** | | | | | 2.25 (7'5") | 2.61 (8'7") | 2.90 (9'6") |
| 0.60 (0.78) | 0.55 (0.72) | 900 (35.4") | 1000 (39.4") | 474 (1040) | ○ | ○ | ○ |
| 0.65 (0.85) | 0.60 (0.78) | 966 (38.0") | 1066 (42.0) | 499 (1100) | ○ | ○ | × |
| 0.70 (0.92) | 0.65 (0.85) | 1100 (43.3") | — | 504 (1100)* | ○ | ○ | × |
| **PC160LC-8*8** | | | | | 2.25 (7'5") | 2.60 (8'7") | 2.90 (9'6") |
| 0.38 (0.50) | — | 600 (23.6") | — | 385 (849)* | ○ | ○ | ○ |
| 0.47 (0.61) | — | 700 (27.6") | — | 435 (959)* | ○ | ○ | ○ |
| 0.56 (0.73) | — | 800 (31.5") | — | 465 (1025)* | ○ | ○ | ○ |
| 0.66 (0.86) | — | 900 (35.4") | — | 495 (1091)* | ○ | ○ | ○ |
| 0.75 (0.98) | — | 1000 (39.4") | — | 530 (1168)* | □ | □ | □ |
| 0.94 (1.23) | — | 1200 (47.2") | — | 615 (1356)* | ⊙ | ⊙ | × |
| **PC160LC-8*6** | | | | | 2.25 (7'5") | 2.61 (8'7") | 2.90 (9'6") |
| 0.60 (0.78) | 0.55 (0.72) | 900 (35.4") | 1000 (39.4") | 474 (1040) | ○ | ○ | ○ |
| 0.65 (0.85) | 0.60 (0.78) | 966 (38.0") | 1066 (42.0) | 499 (1100) | ○ | ○ | ⊙ |
| 0.74 (0.97) | 0.65 (0.85) | 1100 (43.3") | — | 530 (1168)* | ○ | ○ | ⊙ |
| **PC160LC-8*7** | | | | | 2.25 (7'5") | 2.90 (9'6") | |
| 0.65 (0.85) | — | 966 (38.0") | 1066 (42.0) | 499 (1100) | ○ | ○ | |
| 0.80 (1.05) | — | 1192 (47.0") | 1292 (50.9") | 740 (1631) | ○ | × | |
| 1.05 (1.37) | — | 1071 (42.2") | 1117 (44.0") | 913 (2078) | □ | × | |
| 1.20 (1.59) | — | 1228 (48.3") | 1274 (50.2") | 942 (2013) | ⊙ | × | |
| **PC160LC-7*6** | | | | | 2.25 (7'5") | 2.61 (8'7") | 2.90 (9'6") |
| 0.65 (0.85) | 0.60 (0.78) | 966 (38.0") | 1088 (42.8) | — | ○ | ○ | × |
| 0.75 (0.98) | 0.70 (0.92) | 1100 (43.3") | — | — | ○ | ○ | × |
| **PC190LC-8*8, PC190NLC-8*8** | | | | | 2.25 (7'5") | 2.60 (8'7") | 2.90 (9'6") |
| 0.38 (0.50) | — | 600 (23.6") | — | 385 (849)* | ○ | ○ | ○ |
| 0.47 (0.61) | — | 700 (27.6") | — | 435 (959)* | ○ | ○ | ○ |
| 0.56 (0.73) | — | 800 (31.5") | — | 465 (1025)* | ○ | ○ | ○ |
| 0.66 (0.86) | — | 900 (35.4") | — | 495 (1091)* | ○ | ○ | ○ |
| 0.75 (0.98) | — | 1000 (39.4") | — | 530 (1168)* | □ | □ | □ |
| 0.94 (1.23) | — | 1200 (47.2") | — | 615 (1356)* | □ | □ | ⊙ |
| 1.14 (1.49) | — | 1400 (55.1") | — | 695 (1532)* | ⊙ | ⊙ | × |
| **HB205-1,HB215LC-1** | | | | | 2.93 (9'7") | | |
| 0.80 (1.05) | 0.70 (0.92) | 1045 (41.1") | 1170 (46.1") | 635 (1400) | ○ | | |
| 0.93 (1.22) | 0.80 (1.05) | 1200 (47.2") | 1325 (52.2") | 696 (1530) | ⊙ | | |
| 1.05 (1.37) | 0.90 (1.18) | 1330 (52.4") | 1455 (57.3") | 757 (1670) | ⊙ | | |

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** Heavy-duty bucket
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● : General purpose use, weight up to 2.1 t/m³ (3500 lb/cu.yd)
○ : General purpose use, weight up to 1.8 t/m³ (3000 lb/cu.yd)
□ : General purpose use, weight up to 1.5 t/m³ (2500 lb/cu.yd)
⊙ : Light duty work, weight up to 1.2 t/m³ (2000 lb/cu.yd)
✕ : Not usable.

| Bucket capacity (heaped) | | Width | | Weight kg (lb) (With side cutters or side shrouds) | Arm length m (ft.in) | | |
|---|---|---|---|---|---|---|---|
| SAE, PCSA m³ (cu.yd) | CECE m³ (cu.yd) | Without side cutters or side shrouds mm (in) | With side cutters or side shrouds mm (in) | | | | |
| **HB215LC-1*8** | | | | | 2.93 (9'7") | | |
| 0.43 (0.56) | — | 600 (23.6") | — | 570 (1257)* | ○ | | |
| 0.52 (0.68) | — | 700 (27.6") | — | 610 (1345)* | ○ | | |
| 0.63 (0.82) | — | 800 (31.5") | — | 650 (1433)* | ○ | | |
| 0.73 (0.95) | — | 900 (35.4") | — | 690 (1521)* | ○ | | |
| 0.84 (1.10) | — | 1000 (39.4") | — | 740 (1631)* | ○ | | |
| 0.94 (1.23) | — | 1100 (43.3") | — | 820 (1808)* | ○ | | |
| 1.05 (1.37) | — | 1200 (47.2") | — | 850 (1874)* | □ | | |
| 1.16 (1.52) | — | 1300 (51.2") | — | 880 (1940)* | □ | | |
| 1.26 (1.65) | — | 1400 (55.1") | — | 950 (1433)* | ⊙ | | |
| 1.37 (1.79) | — | 1500 (59.1") | — | 1000 (2205)* | ⊙ | | |
| **PC200-8,PC200LC-8,PC200-8M0,PC200LC-8M0,PC200-8*13,PC200LC-8*13 PC200-8*10,PC200LC-8*10,PC200-8M0*6,PC200LC-8M0*6** | | | | | 1.84 (6'0") | 2.41 (7'11") | 2.93 (9'7") |
| 0.50 (0.65) | 0.45 (0.59) | 750 (29.5") | 875(34.4") | 478 (1050) | ○ | ○ | ○ |
| 0.80 (1.05) | 0.70 (0.92) | 1045 (41.1") | 1170(46.1") | 635(1400) | ○ | ○ | ○ |
| 0.93 (1.22) | 0.80 (1.05) | 1200 (47.2") | 1325(52.2") | 696(1530) | □ | □ | ⊙ |
| 1.05 (1.37) | 0.90 (1.18) | 1330 (52.4") | 1455(57.3") | 757 (1670) | □ | □ | ✕ |
| 1.17 (1.53) | 1.00 (1.31) | 1450 (57.1") | — | *940 (2070) | ⊙ | ⊙ | ✕ |
| **PC200-8*5, PC200LC-8*5** | | | | | 1.84 (6'0") | 2.41 (7'11") | 2.93 (9'7") |
| 0.80 (1.05) | 0.70 (0.92) | 1045 (41.1") | — | — | ○ | ○ | ○ |
| 0.80 (1.05)** | 0.70 (0.92) | 1050 (41.3") | — | — | ○ | ○ | ○ |
| 0.90 (1.18) | 0.80 (1.05) | 1200 (47.2") | — | — | □ | □ | ⊙ |
| 1.0 (1.31)** | 0.90 (1.18) | 1000 (39.4") | — | — | □ | □ | ✕ |
| **PC200-8*7** | | | | | 1.84 (6'0") | 2.41 (7'11") | 2.93 (9'7") |
| 0.80 (1.05) | — | 913 (35.9") | 958 (37.7") | 842 (1856) | ○ | ○ | ○ |
| 1.0 (1.31) | — | 1071 (42.2") | 1117 (44.0") | 913 (2013) | ○ | ○ | □ |
| 1.2 (1.57) | — | 1228 (48.3") | 1274 (50.2") | 942 (2077) | ○ | □ | ✕ |
| 1.5 (1.96) | — | 1350 (53.1") | 1900 (74.8") | 1100 (2425) | ✕ | ✕ | ✕ |
| **PC200LC-8*7** | | | | | 2.41 (7'11") | | |
| 0.80 (1.05) | — | 913 (35.9") | 958 (37.7") | 842 (1856) | ○ | | |
| 1.0 (1.31) | — | 1071 (42.2") | 1117 (44.0") | 913 (2013) | ○ | | |
| 1.2 (1.57) | — | 1228 (48.3") | 1274 (50.2") | 942 (2077) | ○ | | |
| 1.5 (1.96) | — | 1350 (53.1") | 1900 (74.8") | 1100 (2425) | ○ | | |
| **PC200-7** | | | | | 1.84 (6'0") | 2.41 (7'11") | 2.93 (9'7") |
| 0.50 (0.65) | 0.45 (0.59) | 750 (29.5") | 855 (33.7") | 478 (1050) | ○ | ○ | ○ |
| 0.80 (1.05) | 0.70 (0.92) | 1045 (41.1") | 1150 (45.3") | 645 (1420) | ○ | ○ | ○ |
| 0.93 (1.22) | 0.80 (1.05) | 1200 (47.2") | 1305 (51.4") | 696 (1530) | □ | □ | ⊙ |
| 1.05 (1.37) | 0.90 (1.18) | 1330 (52.4") | 1435 (56.5") | 757 (1670) | □ | □ | ✕ |
| 1.17 (1.53) | 1.00 (1.31) | 1450 (57.1") | — | 940 (2070)* | ⊙ | ○ | ✕ |

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These charts are based on over-side stability with fully loaded bucket at maximum reach.
● : General purpose use, weight up to 2.1 t/m³ (3500 lb/cu.yd)
○ : General purpose use, weight up to 1.8 t/m³ (3000 lb/cu.yd)
□ : General purpose use, weight up to 1.5 t/m³ (2500 lb/cu.yd)
⊙ : Light duty work, weight up to 1.2 t/m³ (2000 lb/cu.yd)
✕ : Not usable.

| Bucket capacity (heaped) | | Width | | Weight kg (lb) (With side cutters or side shrouds) | Arm length m (ft.in) | | |
|---|---|---|---|---|---|---|---|
| SAE, PCSA m³ (cu.yd) | CECE m³ (cu.yd) | Without side cutters or side shrouds mm (in) | With side cutters or side shrouds mm (in) | | | | |
| **PC210-10*8** | | | | | 2.4 (7'10") | 2.9 (9'6") | |
| 0.43 (0.56) | — | 600 (23.6") | — | 570 (1257)* | ○ | ○ | |
| 0.52 (0.68) | — | 700 (27.6") | — | 610 (1345)* | ○ | ○ | |
| 0.63 (0.82) | — | 800 (31.5") | — | 650 (1433)* | ○ | ○ | |
| 0.73 (0.95) | — | 900 (35.4") | — | 690 (1521)* | ○ | ○ | |
| 0.84 (1.10) | — | 1000 (39.4") | — | 740 (1631)* | ○ | ○ | |
| 0.94 (1.23) | — | 1100 (43.3") | — | 820 (1808)* | ○ | ○ | |
| 1.05 (1.37) | — | 1200 (47.2") | — | 850 (1874)* | ○ | ○ | |
| 1.16 (1.52) | — | 1300 (51.2") | — | 880 (1940)* | □ | □ | |
| 1.26 (1.65) | — | 1400 (55.1") | — | 950 (1433)* | □ | ⊙ | |
| 1.37 (1.79) | — | 1500 (59.1") | — | 1000 (2205)* | ⊙ | ⊙ | |
| 1.49 (1.95) | — | 1600 (63.0") | — | 1100 (2425)* | ⊙ | ✕ | |
| 1.58 (2.07) | — | 1700 (66.9") | — | 1150 (2535)* | ✕ | ✕ | |
| 1.68 (2.20) | — | 1800 (70.9") | — | 1200 (2645)* | ✕ | ✕ | |
| **PC210LC-10*8** | | | | | 2.4 (7'10") | 2.9 (9'6") | |
| 0.43 (0.56) | — | 600 (23.6") | — | 570 (1257)* | ○ | ○ | |
| 0.52 (0.68) | — | 700 (27.6") | — | 610 (1345)* | ○ | ○ | |
| 0.63 (0.82) | — | 800 (31.5") | — | 650 (1433)* | ○ | ○ | |
| 0.73 (0.95) | — | 900 (35.4") | — | 690 (1521)* | ○ | ○ | |
| 0.84 (1.10) | — | 1000 (39.4") | — | 740 (1631)* | ○ | ○ | |
| 0.94 (1.23) | — | 1100 (43.3") | — | 820 (1808)* | ○ | ○ | |
| 1.05 (1.37) | — | 1200 (47.2") | — | 850 (1874)* | ○ | ○ | |
| 1.16 (1.52) | — | 1300 (51.2") | — | 880 (1940)* | ○ | ○ | |
| 1.26 (1.65) | — | 1400 (55.1") | — | 950 (1433)* | ○ | □ | |
| 1.37 (1.79) | — | 1500 (59.1") | — | 1000 (2205)* | □ | □ | |
| 1.49 (1.95) | — | 1600 (63.0") | — | 1100 (2425)* | □ | ⊙ | |
| 1.58 (2.07) | — | 1700 (66.9") | — | 1150 (2535)* | ⊙ | ⊙ | |
| 1.68 (2.20) | — | 1800 (70.9") | — | 1200 (2645)* | ⊙ | ✕ | |
| **PC210NLC-8*8** | | | | | 1.8 (5'11") | 2.4 (7'10") | 2.9 (9'6") |
| 0.43 (0.56) | — | 600 (23.6") | — | 570 (1257)* | ○ | ○ | ○ |
| 0.52 (0.68) | — | 700 (27.6") | — | 610 (1345)* | ○ | ○ | ○ |
| 0.63 (0.82) | — | 800 (31.5") | — | 650 (1433)* | ○ | ○ | ○ |
| 0.73 (0.95) | — | 900 (35.4") | — | 690 (1521)* | ○ | ○ | ○ |
| 0.84 (1.10) | — | 1000 (39.4") | — | 740 (1631)* | ○ | ○ | ○ |
| 0.94 (1.23) | — | 1100 (43.3") | — | 820 (1808)* | ○ | ○ | □ |
| 1.05 (1.37) | — | 1200 (47.2") | — | 850 (1874)* | ○ | □ | □ |
| 1.16 (1.52) | — | 1300 (51.2") | — | 880 (1940)* | □ | □ | ⊙ |
| 1.26 (1.65) | — | 1400 (55.1") | — | 950 (1433)* | □ | ⊙ | ✕ |
| 1.37 (1.79) | — | 1500 (59.1") | — | 1000 (2205)* | ⊙ | ⊙ | ✕ |
| 1.49 (1.95) | — | 1600 (63.0") | — | 1100 (2425)* | ⊙ | ✕ | ✕ |
| 1.58 (2.07) | — | 1700 (66.9") | — | 1150 (2535)* | ✕ | ✕ | ✕ |
| 1.68 (2.20) | — | 1800 (70.9") | — | 1200 (2645)* | ✕ | ✕ | ✕ |

* Without side cutters
** Heavy-duty bucket
*** Rock (Quarry) bucket
*4 Italy source
*5 China source
*6 Thailand source
*7 Brazil source
*8 UK source
*9 USA source
*10 Indnesia source
*11 India source
*12 for USA
*13 Russia source
*14 for UK
*16 Bucket lip width
*17 for Russia



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These charts are based on over-side stability with fully loaded bucket at maximum reach.
● : General purpose use, weight up to 2.1 t/m³ (3500 lb/cu.yd)
○ : General purpose use, weight up to 1.8 t/m³ (3000 lb/cu.yd)
□ : General purpose use, weight up to 1.5 t/m³ (2500 lb/cu.yd)
⊙ : Light duty work, weight up to 1.2 t/m³ (2000 lb/cu.yd)
✕ : Not usable.

| Bucket capacity (heaped) | | Width | | Weight kg (lb) (With side cutters or side shrouds) | Arm length m (ft.in) | | |
|---|---|---|---|---|---|---|---|
| SAE, PCSA m³ (cu.yd) | CECE m³ (cu.yd) | Without side cutters or side shrouds mm (in) | With side cutters or side shrouds mm (in) | | | | |
| **PC210-8*5, PC210LC-8*5** | | | | | 1.84 (6'0") | 2.41 (7'11") | 2.93 (9'7") |
| 0.80 (1.05)*4 | 0.70 (0.92) | 1050 (41.3") | — | — | ○ | ○ | ○ |
| 0.90 (1.18) | 0.80 (1.05) | 1200 (47.2") | — | — | □ | □ | ⊙ |
| 1.0 (1.31)*4 | 0.90 (1.18) | 1004 (39.5") | — | — | □ | □ | ✕ |
| **PC210LC-10*9** | | | | | 2.9 (9'7") | | |
| 0.50 (0.65) | — | 610 (24") | — | 605 (1334) | ● | | |
| 0.67 (0.88) | — | 762 (30") | — | 689 (1518) | ● | | |
| 0.85 (1.11) | — | 914 (36") | — | 780 (1719) | ● | | |
| 1.02 (1.34) | — | 1067 (42") | — | 857 (1890) | ○ | | |
| 1.2 (1.57) | — | 1219 (48") | — | 949 (2092) | □ | | |
| **PC210LC-8*11** | | | | | 2.4 (7'10") | | 2.9 (9'7") |
| 0.95 (1.24) | — | — | 1350 (53.1") | 865 (1907) | ○ | | ○ |
| 1.05 (1.37) | — | — | 1330 (52.4") | 855 (1885) | ○ | | ○ |
| **PC220-8,PC220-8M0,PC220-8*13 PC220LC-8,PC220LC-8M0,PC220LC-8*13** | | | | | 2.00 (6'7") | 2.50 (8'2") | 3.05 (10'0") |
| 0.72(0.94) | 0.65(0.85) | 900(35.4") | 1005(39.6") | 658(1450) | ○ | ○ | ○ |
| 1.00(1,31) | 0.90(1.18) | 1155(45.5") | 1260(49.6") | 734(1620) | ○ | ○ | ○ |
| 1.14(1.49) | 1.00(1,31) | 1300(51.2") | 1405(55.3") | 793(1750) | ○ | □ | □ |
| 1.26(1.65) | 1.10(1.44) | 1400(55.1") | 1505(59.3") | 845(1860) | ○ | □ | ⊙ |
| **PC220-7, PC220LC-7** | | | | | 2.00 (6'7") | 2.50 (8'2") | 3.05 (10'0") |
| 0.72 (0.94) | 0.65 (0.85) | 900 (35.4") | 1005 (39.6") | 658 (1450) | ○ | ○ | ○ |
| 1.00 (1.31) | 0.90 (1.18) | 1155 (45.5") | 1260 (49.6") | 734 (1620) | ○ | ○ | ○ |
| 1.14 (1.49) | 1.00 (1.31) | 1300 (51.2") | 1405 (55.3") | 793 (1750) | ○ | □ | □ |
| 1.26 (1.65) | 1.10 (1.44) | 1400 (55.1") | 1505 (59.3") | 845 (1860) | ○ | □ | ⊙ |
| **PC228US-8,PC228USLC-8** | | | | | 2.925 (9'7") | | |
| 0.50 (0.65) | 0.45 (0.59) | 750 (29.59") | 875 (34.4") | 478 (1050) | ○ | | |
| 0.80 (1.05) | 0.70 (0.92) | 1045 (41.1") | 1170 (46.1") | 635 (1400) | ○ | | |
| 0.93 (1.22) | 0.80 (1.05) | 1200 (47.2") | 1325 (52.2") | 696 (1530) | □ | | |
| 1.00 (1.31) | 0.90 (1.18) | 1330 (52.4") | 1455 (57.3") | 730 (1610) | □ | | |
| **PC228USLC-8*12** | | | | | 2.9 (9'7") | | |
| 0.50 (0.65) | — | 610 (24") | — | 605 (1334) | ● | | |
| 0.67 (0.88) | — | 762 (30") | — | 689 (1518) | ● | | |
| 0.85 (1.11) | — | 914 (36") | — | 780 (1719) | ● | | |
| 1.02 (1.34) | — | 1067 (42") | — | 857 (1890) | ○ | | |
| 1.2 (1.57) | — | 1219 (48") | — | 949 (2092) | □ | | |
| **PC228USLC-8*14** | | | | | 2.4 (7'10") | | 2.9 (9'7") |
| 0.48 (0.63) | — | 600 (23.6") | — | 480 (1058) | ○ | | ○ |
| 0.55 (0.72) | — | 700 (27.6") | — | 530 (1168) | ○ | | ○ |
| 0.63 (0.82) | — | 800 (31.5") | — | 580 (1279) | ○ | | ○ |
| 0.71 (0.93) | — | 900 (35.4") | — | 610 (1345) | ○ | | ○ |
| 0.78 (1.02) | — | 1000 (39.4") | — | 650 (1433) | ○ | | ○ |
| 0.86 (1.15) | — | 1100 (43.3") | — | 700 (1543) | ○ | | ○ |
| 0.96 (1.26) | — | 1200 (47.2") | — | 760 (1675) | ○ | | ○ |
| 1.03 (1.35) | — | 1300 (51.2") | — | 810 (1786) | ○ | | ○ |
| 1.11 (1.45) | — | 1400 (55.1") | — | 870 (1918) | ○ | | □ |
| 1.19 (1.56) | — | 1500 (59.1") | — | 930 (2050) | □ | | □ |
| 1.49 (1.95) | — | 1600 (63.0") | — | 1100 (2425) | ⊙ | | ✕ |
| 1.58 (2.07) | — | 1700 (66.9") | — | 1150 (2535) | ✕ | | ✕ |
| 1.68 (2.20) | — | 1800 (70.9") | — | 1200 (2645) | ✕ | | ✕ |

* Without side cutters
** Heavy-duty bucket
*** Rock (Quarry) bucket
*4 Italy source
*5 China source
*6 Thailand source
*7 Brazil source
*8 UK source
*9 USA source
*10 Indnesia source
*11 India source
*12 for USA
*13 Russia source
*14 for UK
*16 Bucket lip width
*17 for Russia



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● : General purpose use, weight up to 2.1 t/m³ (3500 lb/cu.yd)
○ : General purpose use, weight up to 1.8 t/m³ (3000 lb/cu.yd)
□ : General purpose use, weight up to 1.5 t/m³ (2500 lb/cu.yd)
⊙ : Light duty work, weight up to 1.2 t/m³ (2000 lb/cu.yd)
✕ : Not usable.

| Bucket capacity (heaped) | | Width | | Weight kg (lb) (With side cutters or side shrouds) | Arm length m (ft.in) | | | |
|---|---|---|---|---|---|---|---|---|
| SAE, PCSA m³ (cu.yd) | CECE m³ (cu.yd) | Without side cutters or side shrouds mm (in) | With side cutters or side shrouds mm (in) | | | | | |
| **PC230NHD-8** | | | | | 1.8 (5'11") | 2.4 (7'10") | 2.9 (9'6") | |
| 0.43 (0.56) | — | 600 (23.6") | — | 570 (1257)* | ○ | ○ | ○ | |
| 0.525 (0.69) | — | 700 (27.6") | — | 605 (1334)* | ○ | ○ | ○ | |
| 0.63 (0.82) | — | 800 (31.5") | — | 650 (1433)* | ○ | ○ | ○ | |
| 0.73 (0.95) | — | 900 (35.4") | — | 690 (1521)* | ○ | ○ | ○ | |
| 0.84 (1.10) | — | 1000 (39.4") | — | 740 (1631)* | ○ | ○ | ○ | |
| 0.94 (1.23) | — | 1100 (43.3") | — | 820 (1808)* | ○ | ○ | □ | |
| 1.05 (1.37) | — | 1200 (47.2") | — | 850 (1874)* | ○ | □ | □ | |
| 1.16 (1.52) | — | 1300 (51.2") | — | 880 (1940)* | ○ | □ | ⊙ | |
| 1.26 (1.65) | — | 1400 (55.1") | — | 950 (2094)* | □ | ⊙ | ⊙ | |
| 1.37 (1.79) | — | 1500 (59.1") | — | 1000 (2205)* | ⊙ | ⊙ | ✕ | |
| 1.49 (1.95) | — | 1600 (63.0") | — | 1100 (2425)* | ⊙ | ✕ | ✕ | |
| 1.58 (2.07) | — | 1700 (66.9") | — | 1150 (2535)* | ⊙ | ✕ | ✕ | |
| **PC240LC-10*9** | | | | | 3.05 (10') | | 3.5 (11'6") | |
| 0.58 (0.76) | — | 610 (24") | — | 687 (1514) | ● | | ● | |
| 0.78 (1.02) | — | 762 (30") | — | 807 (1779) | ● | | ● | |
| 0.99 (1.29) | — | 914 (36") | — | 907 (2000) | ● | | ● | |
| 1.20 (1.57) | — | 1067 (42") | — | 949 (2178) | ○ | | ○ | |
| 1.41 (1.85) | — | 1219 (48") | — | 1045 (2399) | □ | | □ | |
| **PC240LC-10*8, PC240NLC-10*8** | | | | | 2.0 (6'7") | 2.5 (8'2") | 3.0 (9'10") | 3.5 (11'6") |
| 0.47 (0.61) | | 600 (23.6") | | 670 (1480)* | ○ | ○ | ○ | ○ |
| 0.70 (0.92) | | 800 (31.5") | | 750 (1650)* | ○ | ○ | ○ | ○ |
| 0.93 (1.22) | | 1000 (39.4") | | 840 (1850)* | ○ | ○ | ○ | ○ |
| 1.17 (1.53) | | 1200 (47.2") | | 960 (2120)* | ○ | ○ | ○ | ○ (NLC: □) |
| 1.41 (1.53) | | 1400 (55.1") | | 1050 (2310)* | ○ | ○ (NLC: □) | ○ | □ (NLC: ⊙) |
| 1.53 (2.00) | | 1500 (59.1") | | 1120 (2470)* | ○ (NLC: □) | ○ (NLC: □) | □ (NLC: ⊙) | □ (NLC: ⊙) |
| 1.65 (2.17) | | 1600 (63.0") | | 1170 (2580)* | ○ (NLC: □) | □ (NLC: ⊙) | ⊙ | ⊙ (NLC: ✕) |
| 1.79 (2.34) | | 1800 (70.9") | | 1250 (2760)* | □ (NLC: ✕) | □ (NLC: ⊙) | ⊙ (NLC: ✕) | ⊙ (NLC: ✕) |
| 1.89 (2.47) | | 2000 (78.7") | | 1300 (2870)* | □ (NLC: ⊙) | ⊙ | ⊙ (NLC: ✕) | ✕ |
| **PC240LC-8*5** | | | | | 3.05 (10') | | | |
| 1.00 (1.31) | 0.90 (1.18) | 1150 (45.3") | — | — | ○ | | | |
| 1.00 (1.31)*4 | 0.90 (1.18) | 1155 (45.5") | — | — | ○ | | | |
| 1.20 (1.57)*4 | — | 1140 (44.9") | — | — | □ | | | |
| **PC270-8, PC270LC-8** | | | | | 2.5 (8'2") | 3.0 (10'0") | 3.5 (11'6") | |
| 1.14 (1.49) | 1.00 (1.31) | 1300 (51.2") | 1405 (55.3") | 793 (1750) | ○ | ○ | ○ | |
| 1.26 (1.65) | 1.10 (1.44) | 1400 (55.1") | 1505 (59.3") | 845 (1860) | ○ | ○ | ○ | |
| **PC270-7*5** | | | | | 3.05 (10'0") | | | |
| 1.3 (1.70) | — | 1420 (55.9") | 1540 (60.6") | 1140 (2513) | ○ | | | |
| 1.3 (1.70)*4 | — | 1435 (56.5") | 1500 (59.0") | 1375 (3031) | ○ | | | |

* Without side cutters
** Heavy-duty bucket
*** Rock (Quarry) bucket
*4 Italy source
*5 China source
*6 Thailand source
*7 Brazil source
*8 UK source
*9 USA source
*10 Indnesia source
*11 India source
*12 for USA
*13 Russia source
*14 for UK
*16 Bucket lip width
*17 for Russia



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● : General purpose use, weight up to 2.1 t/m³ (3500 lb/cu.yd)
○ : General purpose use, weight up to 1.8 t/m³ (3000 lb/cu.yd)
□ : General purpose use, weight up to 1.5 t/m³ (2500 lb/cu.yd)
⊙ : Light duty work, weight up to 1.2 t/m³ (2000 lb/cu.yd)
✕ : Not usable.

| Bucket capacity (heaped) | | Width | | Weight kg (lb) (With side cutters or side shrouds) | Arm length m (ft.in) | | | |
|---|---|---|---|---|---|---|---|---|
| SAE, PCSA m³ (cu.yd) | CECE m³ (cu.yd) | Without side cutters or side shrouds mm (in) | With side cutters or side shrouds mm (in) | | | | | |
| **PC290LC-10*9** | | | | | 3.2 (10'6") | | 3.5 (11'6") | |
| 0.58 (0.76) | — | — | 610 (24") | 687 (1514) | ● | | ● | |
| 0.78 (1.02) | — | — | 762 (30") | 807 (1779) | ● | | ● | |
| 0.99 (1.29) | — | — | 914 (36") | 907 (2000) | ● | | ● | |
| 1.20 (1.57) | — | — | 1067 (42") | 949 (2178) | ● | | ● | |
| 1.41 (1.85) | — | — | 1219 (48") | 1045 (2399) | ○ | | ○ | |
| 1.63 (2.13) | — | — | 1372 (54") | 1168 (2576) | ○ | | □ | |
| **PC290LC-10*8,PC290NLC-10*8** | | | | | 2.0 (6'7") | 2.65 (8'8") | 3.2 (10'6") | 3.5 (11'6") |
| 0.85 (1.11) | — | 800 (31.5") | — | 890 (1960)* | ○ | ○ | ○ | ○ |
| 1.13 (1.48) | — | 1000 (39.4") | — | 1010 (2230)* | ○ | ○ | ○ | ○ |
| 1.42 (1.86) | — | 1200 (47.2") | — | 1160 (2560)* | ○ | ○ | ○ (NLC: □) | ○ (NLC: □) |
| 1.74 (2.28) | — | 1400 (55.1") | — | 1290 (2840)* | ○ (NLC: □) | □ | □ (NLC: ⊙) | ⊙ |
| 1.87 (2.45) | — | 1500 (59.1") | — | 1350 (2980)* | ○ (NLC: □) | □ (NLC: ⊙) | ⊙ | ⊙ (NLC: ✕) |
| 2.02 (2.64) | — | 1600 (63.0") | — | 1400 (3090)* | □ (NLC: ⊙) | ⊙ | ⊙ (NLC: ✕) | ⊙ (NLC: ✕) |
| **PC300-8, PC300LC-8, PC300-8*13, PC300LC-8*13** | | | | | 2.2 (7'3") | 2.55 (8'4") | 3.185 (10'5") | 4.02 (13'2") |
| 0.52 (0.68) | 0.48 (0.63) | 610 (24") | 740 (29.1") | 664 (1460) | ○ | ○ | ○ | ○ |
| 1.14 (1.49) | 1.00 (1.31) | 1145 (45.1") | 1275 (50.2") | 900 (1980) | ○ | ○ | ○ | ○ |
| 1.40 (1.83) | 1.20 (1.57) | 1340 (52.8") | 1445 (56.9") | 1015 (2240) | ○ | ○ | ○ | ⊙ |
| 1.40 (1.83)** | 1.20 (1.57) | 1458 (54.7") | — | 1508 (3320) | ○ | ○ | ○ | ✕ |
| 1.60 (2.09) | 1.40 (1.83) | 1515 (59.6") | 1645 (64.8") | 1102 (2430) | □ | □ | □ | ✕ |
| 1.80 (2.35) | 1.60 (2.09) | 1700 (66.9") | — | 1115 (2460) | ⊙ | ⊙ | ⊙ | ✕ |
| **PC300-7, PC300LC-7** | | | | | 2.2 (7'3") | 2.55 (8'4") | 3.185 (10'5") | 4.02 (13'2") |
| 0.52 (0.68) | 0.48 (0.63) | 610 (24") | 740 (29.1") | 664 (1460) | ○ | ○ | ○ | ○ |
| 1.14 (1.49) | 1.00 (1.31) | 1145 (45.1") | 1275 (50.2") | 900 (1980) | ○ | ○ | ○ | ○ |
| 1.40 (1.83) | 1.20 (1.57) | 1340 (52.8") | 1445 (56.9") | 1015 (2240) | ○ | ○ | ○ | ⊙ |
| 1.40 (1.83)** | 1.20 (1.57) | 1458 (54.7") | — | 1508 (3320) | ○ | ○ | ○ | ✕ |
| 1.60 (2.09) | 1.40 (1.83) | 1515 (59.6") | 1645 (64.8") | 1102 (2430) | □ | □ | □ | ✕ |
| 1.80 (2.35) | 1.60 (2.09) | 1700 (66.9") | — | 1115 (2460) | ⊙ | ⊙ | ⊙ | ✕ |
| **PC300/PC300LC-8(SE spec)*6, PC300/300LC-8(SE spec)*10** | | | | | 2.22 (7'3") | 2.55 (8'4") | 3.185 (10'5") | |
| 0.52 (0.68) | 0.48 (0.63) | 610 (24") | 740 (29.1") | 664 (1460) | ○ | ○ | ○ | |
| 1.14 (1.49) | 1.00 (1.31) | 1145 (45.1") | 1275 (50.2") | 900 (1980) | ○ | ○ | ○ | |
| 1.40 (1.83) | 1.20 (1.57) | 1340 (52.8") | 1445 (56.9") | 1015 (2240) | ○ | ○ | ○ | |
| 1.60 (2.09) | 1.40 (1.83) | 1515 (59.6") | 1645 (64.8") | 1102 (2430) | □ | □ | □ | |
| 1.80 (2.35) | 1.60 (2.09) | 1700 (66.9") | — | 1115 (2460)* | ⊙ | ⊙ | ⊙ | |
| 1.40 (1.83)** | 1.20 (1.57) | 1458 (54.7") | — | 1508 (3320) | ○ | ○ | ○ | |
| 2.30 (3.01) | 2.14 (2.80) | 1615 (63.6) | — | 1961 (3320) | ○ | ⊙ | ✕ | |
| **PC300LC-7*11** | | | | | 2.22 (7'3") | | 3.1 (10'5") | |
| 1.40 (1.83)** | 1.20 (1.57) | 1458 (57.4") | — | 1508 (3,320) | ○ | | Granite | |
| 1.60 (2.09) | 1.38 (1.81) | 1515 (59.6") | 1640 (64.6") | 1500 (3,000) | Iron Ore | | ○ | |
| 2.10 (2.74) | 1.90 (2.48) | 1565 (61.6") | 1685 (66.3") | 1725 (3,802) | □ | | ✕ | |

* Without side cutters
** Heavy-duty bucket
*** Rock (Quarry) bucket
*4 Italy source
*5 China source
*6 Thailand source
*7 Brazil source
*8 UK source
*9 USA source
*10 Indnesia source
*11 India source
*12 for USA
*13 Russia source
*14 for UK
*16 Bucket lip width
*17 for Russia



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These charts are based on over-side stability with fully loaded bucket at maximum reach.
● : General purpose use, weight up to 2.1 t/m³ (3500 lb/cu.yd)
○ : General purpose use, weight up to 1.8 t/m³ (3000 lb/cu.yd)
□ : General purpose use, weight up to 1.5 t/m³ (2500 lb/cu.yd)
⊙ : Light duty work, weight up to 1.2 t/m³ (2000 lb/cu.yd)
× : Not usable.

| Bucket capacity (heaped) | | Width | | Weight kg (lb) (With side cutters or side shrouds) | Arm length m (ft.in) | | | |
|---|---|---|---|---|---|---|---|---|
| SAE, PCSA m³ (cu.yd) | CECE m³ (cu.yd) | Without side cutters or side shrouds mm (in) | With side cutters or side shrouds mm (in) | | | | | |
| **PC350-7, PC300LC-7, PC300-8, PC300LC-8** | | | | | 3.185 (10'5") | | — | |
| 1.40 (1.83)*6 | 1.20 (1.57) | 1458 (54.7") | — | 1508 (3320) | ○ | | — | |
| **PC350LC-8*7** | | | | | 2.2 (7'3") | 2.54 (8'4") | 3.185 (10'5") | 4.02 (13'2") |
| 0.93 (1.22) | — | — | 762 (30") | 1097 (2418) | ○ | ○ | ○ | ○ |
| 1.18 (1.54) | — | — | 914 (36") | 1198 (2641) | ○ | ○ | ○ | ○ |
| 1.44 (1.88) | — | — | 1067 (42") | 1325 (2921) | ○ | ○ | ○ | ○ |
| 1.70 (2.22) | — | — | 1219 (48") | 1426 (3144) | ○ | ○ | ○ | ○ |
| 1.96 (2.56) | — | — | 1372 (54") | 1554 (3426) | ○ | ○ | ○ | ○ |
| **PC360LC-10*9** | | | | | 2.6 (8'4") | 3.2 (10'6") | | 4.0 (13'2") |
| 0.93 (1.22) | — | — | 762 (30") | 1097 (2418) | ● | ● | | ● |
| 1.18 (1.54) | — | — | 914 (36") | 1198 (2641) | ● | ● | | ● |
| 1.44 (1.88) | — | — | 1067 (42") | 1325 (2921) | ● | ● | | ● |
| 1.70 (2.22) | — | — | 1219 (48") | 1426 (3144) | ● | ● | | ○ |
| 1.96 (2.56) | — | — | 1372 (54") | 1554 (3426) | ○ | ○ | | ⊙ |
| **PC360LC-10*8, PC360NLC-10*8** | | | | | 2.2 (7'3") | 2.6 (8'6") | 3.2 (10'6") | 4.0 (13'1") |
| 0.85 (1.11) | — | 800 (31.5") | — | 880 (1940) | ○ | ○ | ○ | ○ |
| 1.13 (1.48) | — | 1000 (39.4") | — | 1010 (2230) | ○ | ○ | ○ | □ |
| 1.42 (1.86) | — | 1200 (47.2") | — | 1160 (2560) | ○ | ○ | ○ | □ |
| 1.75 (2.29) | — | 1400 (55.1") | — | 1290 (2840) | ○ | ○ | ○ | □ |
| 1.87 (2.45) | — | 1500 (59.1") | — | 1350 (2980) | ○ | ○ | ○ (NLC: □) | □ (NLC: ⊙) |
| 2.02 (2.64) | — | 1600 (63.0") | — | 1400 (3090) | ○ | ○ (NLC: □) | □ | ⊙ |
| 2.32 (3.03) | — | 1800 (70.9") | — | 1520 (3350) | ○ (NLC: □) | □ | ⊙ | × |
| **PC360-7*8** | | | | | 2.2 (7'3") | 2.55 (8'4") | 3.185 (10'6") | 4.02 (13'2") |
| 1.6 (2.09) | 1.40 (1.83) | 1515 (59.6") | 1633 (64.3") | 1615 (3560) | ○ | ○ | ○ | × |
| **PC390LC-10*9** | | | | | 2.6 (8'6") | | 3.2 (10'6") | 4.0 (13'1") |
| 0.93 (1.22) | — | — | 762 (30") | 1097 (2418) | ● | | ● | ● |
| 1.18 (1.54) | — | — | 914 (36") | 1198 (2641) | ● | | ● | ● |
| 1.44 (1.88) | — | — | 1067 (42") | 1325 (2921) | ● | | ● | ● |
| 1.70 (2.22) | — | — | 1219 (48") | 1426 (3144) | ● | | ● | ○ |
| 1.96 (2.56) | — | — | 1372 (54") | 1554 (3426) | ○ | | ○ | □ |
| 2.22 (2.91) | — | — | 1524 (60") | 1554 (3426) | □ | | □ | ⊙ |
| **PC400-8, PC400-8R, PC400LC-8, PC400LC-8R PC400-7, PC400-7*13, PC400LC-7, PC400LC-7*13** | | | | | 2.4 (7'10") | 2.9 (9'6") | 3.38 (11'1") | 4.0 (13'1") |
| 1.30 (1.70) | 1.20 (1.57) | 1120 (44.1") | 1270 (50") | 1115 (2458) | ○ | ○ | ○ | ○ |
| 1.60 (2.09) | 1.40 (1.83) | 1270 (50") | 1420 (55.9") | 1197 (2639) | ○ | ○ | ○ | ○ |
| 1.90 (2.49) | 1.70 (2.22) | 1475 (58.1") | 1625 (64") | 1358 (2873) | ○ | ○ | ○ | □ |
| 1.90 (2.49)** | 1.70 (2.22) | — | 1625 (64") | 1966 (3757) | ○ | ○ | ○ | × |
| 2.06 (2.69) | 1.80 (2.35) | 1565 (61.6") | 1715 (67.5") | 1391 (3067) | □ | □ | □ | ⊙ |
| 2.10 (2.75)** | 1.90 (2.49) | — | 1745 (68.7") | 2035 (4490) | ○ | ○ | ○ | × |
| 2.20 (2.88) | 2.00 (2.62) | 1715 (67.5") | — | 1396 (3757) | ⊙ | ⊙ | ⊙ | × |
| **PC400-8*5** | | | | | 3.38 (11'1") | | — | |
| 1.90 (2.49)** | — | 1630 (64.2") | — | — | ○ | | — | |
| **PC450-8*5** | | | | | 3.38 (11'1") | | — | |
| 2.1 (2.75)** | — | — | 1752 (59") | — | ○ | | — | |
| **PC450-8, PC450-8R, PC450LC-8, PC450LC-8R, PC450-7** | | | | | 3.38 (11'1") | | — | |
| 1.90 (2.49)** | 1.70 (2.22) | — | 1625 (64.0")*7 | 1966 (4330) | ○ | | — | |
| 2.10 (2.75)** | 1.90 (2.49) | — | 2035 (68.7")*7 | 2035 (4490) | ○ | | — | |

* Without side cutters
** Heavy-duty bucket
*** Rock (Quarry) bucket
*4 Italy source
*5 China source
*6 Thailand source
*7 Brazil source
*8 UK source
*9 USA source
*10 Indnesia source
*11 India source
*12 for USA
*13 Russia source
*14 for UK
*16 Bucket lip width
*17 for Russia



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These charts are based on over-side stability with fully loaded bucket at maximum reach.
- ● : General purpose use, weight up to 2.1 t/m³ (3500 lb/cu.yd)
- ○ : General purpose use, weight up to 1.8 t/m³ (3000 lb/cu.yd)
- □ : General purpose use, weight up to 1.5 t/m³ (2500 lb/cu.yd)
- ⊙ : Light duty work, weight up to 1.2 t/m³ (2000 lb/cu.yd)
- ✕ : Not usable.

| Bucket capacity (heaped) | | Width | | Weight kg (lb) (With side cutters or side shrouds) | Arm length m (ft.in) | | | | |
|---|---|---|---|---|---|---|---|---|---|
| SAE, PCSA m³ (cu.yd) | CECE m³ (cu.yd) | Without side cutters or side shrouds mm (in) | With side cutters or side shrouds mm (in) | | | | | | |
| **PC490-10*8, PC490LC-10*8** | | | | | 2.4 (7'10") | 2.9 (9'6") | 3.4 (11'2") | 4.0 (13'1") | 4.8 (15'9") |
| 1.34 (1.75) | — | 1000 (39.4") | — | 1450 (3197)* | ○ | ○ | ○ | ○ | ○ |
| 1.69 (2.4) | — | 1200 (47.2") | — | 1650 (3638)* | ○ | ○ | ○ | ○ | ○ |
| 2.20 (2.88) | — | 1500 (59.0") | — | 1940 (4277)* | ○ | ○ | ○ | ○ | ○ |
| 2.40 (3.14) | — | 1600 (63.0") | — | 2040 (4497)* | ○ | ○ | ○ | ○ | □ (LC:○) |
| 2.76 (3.61) | — | 1800 (70.9") | — | 2180 (4806)* | ✕ | ✕ | ✕ | ✕ | ✕ |
| **PC490LC-10*9** | | | | | 2.4 (7'10") | 2.9 (9'6") | 3.4 (11'2") | 4.0 (13'1") | 4.8 (15'9") |
| 1.12 (1.47) | — | — | 762 (30") | 1287 (2838) | ● | ● | ● | ● | ● |
| 1.35 (1.76) | — | — | 914 (36") | 1441 (3176) | ● | ● | ● | ● | ● |
| 1.64 (2.15) | — | — | 1067 (42") | 1561 (3442) | ● | ● | ● | ● | ● |
| 1.94 (2.54) | — | — | 1219 (48") | 1714 (3779) | ● | ● | ● | ● | ○ |
| 2.25 (2.94) | — | — | 1372 (54") | 1867 (4117) | ● | ● | ● | ○ | □ |
| 2.55 (3.34) | — | — | 1524 (60") | 1988 (4382) | ● | ○ | ○ | □ | ⊙ |
| 2.87 (3.75) | — | — | 1676 (66") | 2141 (4720) | ○ | □ | □ | ⊙ | ✕ |
| 3.17 (4.15) | — | — | 1829 (72") | 2261 (4985) | □ | □ | ⊙ | ⊙ | ✕ |
| **PC550LC-8** | | | | | 2.4 (7'10") | | 3.38 (11'1") | | |
| 3.05 (4.58) | 2.6 (3.40) | — | 1700 (66.9") | 2035 (4486) | ○ | | ○ | | |
| **PC600-8E0, PC600LC-8E0, PC600-8R1, PC600LC-8R1** | | | | | 6.6 (21'9") | 7.3 (23'11") | 7.66 (25'2") | | |
| | | | | | 2.9 (9'6") | 3.5 (11'6") | 3.5 (11'6") | 4.3 (14'1") | 5.2 (17'1") |
| 2.0 (2.62) | 1.8 (2.35) | 1250 (49.2") | 1430 (56.3") | 2130 (4700) | — | — | ○ | ○ | ○ |
| 2.3 (3.01) | 2.1 (2.75) | 1400 (55.1") | 1580 (62.2") | 2260 (4980) | — | — | ○ | □ | ✕ |
| 2.7 (3.53) | 2.4 (3.14) | 1600 (63.0") | 1780 (70.1") | 2430 (5360) | — | — | ○ | ✕ | ✕ |
| 2.8 (3.66) | 2.5 (3.27) | 1920 (75.6") | 1920 (75.6") | 3100 (6830) | — | — | — | — | — |
| 3.1 (4.05) | 2.8 (3.66) | 2040 (80.3") | 2000 (78.7") | 3210 (7080) | ✕ | ○*9 | ✕ | ✕ | ✕ |
| 3.5 (4.58) | 3.1 (4.05) | 2110 (83.1") | 2110 (83.1") | 3280 (7230) | ○ | — | — | — | — |
| **PPC600-7*17, PC600LC-7*17** | | | | | 6.6 (21'9") | 7.3 (23'11") | 7.66 (25'2") | | |
| | | | | | 2.9 (9'6") | 3.5 (11'6") | 3.5 (11'6") | 4.3 (14'1") | 5.2 (17'1") |
| 2.0 (2.62) | 1.8 (2.35) | 1250 (49.2") | 1430 (56.3") | 2200 (4850) | — | — | ○ | ○ | ○ |
| 2.3 (3.01) | 2.1 (2.75) | 1400 (55.1") | 1580 (62.2") | 2382 (5250) | — | — | ○ | □ | ✕ |
| 2.7 (3.53) | 2.4 (3.14) | 1600 (63.0") | 1780 (70.1") | 2505 (5520) | — | — | ○ | ✕ | ✕ |
| 2.8 (3.66) | 2.5 (3.27) | 1870 (73.6") | 1870 (73.6") | 2981 (6570) | — | ○ | — | — | — |
| 3.1 (4.05) | 2.8 (3.66) | 2000 (78.7") | 2000 (78.7") | 3100 (6830) | ✕ | ○*9 | ✕ | ✕ | ✕ |
| 3.5 (4.58) | 3.1 (4.05) | 2120 (83.5") | 2120 (83.5") | 3406 (7510) | ○ | — | — | — | — |
| **PC600-8*8** | | | | | 6.6 (21'9") | | 7.3 (23'11") | | |
| | | | | | 2.9 (9'6") | | 3.5 (11'6") | | |
| 2.4 (3.14) | 2.1 (2.75) | 1320 (52.0") | 1400 (55.1") | 2410 (5310) | ○ | | ○ | | |
| 2.7 (3.53) | 2.4 (3.14) | 1600 (63.0") | 1680 (66.1") | 2795 (6160) | ○ | | □ | | |
| 2.8 (3.66) | 2.5 (3.27) | 1655 (65.2") | 1705 (67.1") | 2795 (6162) | ○ | | □ | | |
| 3.5 (4.58) | 3.1 (4.05) | 1850 (72.8") | 1900 (74.8") | 3325 (7330) | ○ | | ⊙ | | |

* Without side cutters
** Heavy-duty bucket
*** Rock (Quarry) bucket
*4 Italy source
*5 China source
*6 Thailand source
*7 Brazil source
*8 UK source
*9 USA source
*10 Indnesia source
*11 India source
*12 for USA
*13 Russia source
*14 for UK
*16 Bucket lip width
*17 for Russia



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○ : General purpose use, weight up to 1.8 t/m³ (3000 lb/cu.yd)
□ : General purpose use, weight up to 1.5 t/m³ (2500 lb/cu.yd)
⊙ : Light duty work, weight up to 1.2 t/m³ (2000 lb/cu.yd)
✕ : Not usable.

| Bucket capacity (heaped) | | Width | | Weight kg (lb) (With side cutters or side shrouds) | Arm length m (ft.in) | | | | |
|---|---|---|---|---|---|---|---|---|---|
| SAE, PCSA m³ (cu.yd) | CECE m³ (cu.yd) | Without side cutters or side shrouds mm (in) | With side cutters or side shrouds mm (in) | | | | | | |
| | | | | | 6.6 (21'9") | 7.3 (23'11") | | 7.6 (24'11") | |
| **PC600LC-8*8** | | | | | 2.9 (9'6") | 3.5 (11'6") | | 3.5 (11'6") | |
| 2.4 (3.14) | 2.1 (2.75) | 1320 (52.0") | 1400 (55.1") | 2410 (5310) | ○ | ○ | | ○ | |
| 2.7 (3.53) | 2.4 (3.14) | 1600 (63.0") | 1680 (66.1") | 2795 (6160) | ○ | □ | | □ | |
| 2.8 (3.66) | 2.5 (3.27) | 1655 (65.2") | 1705 (67.1") | 2795 (6162) | ○ | □ | | □ | |
| 3.5 (4.58) | 3.1 (4.05) | 1850 (72.8") | 1900 (74.8") | 3325 (7330) | ○ | ⊙ | | ⊙ | |
| **PC650LC-8*12** | | | | | 3.5 (11'6") | 4.3 (14'1") | | 5.2 (17'1") | |
| 1.57 (2.05) | — | — | 914 (36") | 2230 (4916) | ● | ● | | ● | |
| 1.93 (2.52) | — | — | 1067 (42") | 2395 (5280) | ● | ● | | □ | |
| 2.29 (3.00) | — | — | 1219 (48") | 2631 (5800) | ● | ○ | | ⊙ | |
| 2.67 (3.49) | — | — | 1372 (54") | 2797 (6167) | ○ | □ | | ✕ | |
| 3.04 (3.98) | — | — | 1524 (60") | 3034 (6688) | □ | ⊙ | | ✕ | |
| 3.42 (4.48) | — | — | 1676 (66") | 3197 (7048) | ⊙ | ✕ | | ✕ | |
| 3.81 (4.98) | — | — | 1829 (72") | 3433 (7568) | ⊙ | ✕ | | ✕ | |
| **PC650LC-8R*5** | | | | | 3.5 (11'6") | | | | |
| 3.1 (4.05) | | | 2040 (80.3") | | ○ | | | | |
| | | | | | 6.6 (21'8") | 7.3 (23'11") | 7.66 (25'2") | | |
| **PC700LC-8E0, PC700LC-8R** | | | | | 2.9 (9'6") | 3.5 (11'6") | 3.5 (11'6") | 4.3 (14'1") | 5.2 (17'1") |
| 2.0 (2.62) | 1.8 (2.35) | 1430 (56.3") | 1250 (49.2") | 2130 (4700) | — | — | ○ | ○ | ○ |
| 2.3 (3.01) | 2.1 (2.75) | 1580 (62.2") | 1400 (55.1") | 2260 (4980) | — | — | ○ | □ | ✕ |
| 2.7 (3.53) | 2.4 (3.14) | 1780 (70.1") | 1600 (63.0") | 2475 (5460) | — | — | ○ | ✕ | ✕ |
| 2.8 (3.66) | 2.5 (3.27) | 1920 (75.6")*16 | 1920 (75.6")*16 | 2430 (5360) | — | ○ | — | — | — |
| 3.1 (4.05) | 2.8 (3.66) | 2040 (80.3")*16 | 2040 (80.3")*16 | 3210 (7080) | — | ○ | ✕ | ✕ | ✕ |
| 3.5 (4.58) | 3.1 (4.05) | 2110 (83.1")*16 | 2110 (83.1")*16 | 3335 (7350) | ○ | — | — | — | — |
| 4.0 (5.23) | 3.5 (4.58) | 2110 (83.1")*16 | 2110 (83.1")*16 | 3440 (7580) | ○ | — | — | — | — |
| | | | | | 6.6 (21'8") | | 7.3 (23'11") | | 7.6 (24'11") |
| **PC700LC-8E0*8** | | | | | 2.9 (9'6") | | 3.5 (11'6") | | 3.5 (11'6") |
| 2.4 (3.14) | 2.1 (2.75) | 1320 (52.0") | 1400 (55.1") | 2410 (5310) | ○ | | ○ | | ○ |
| 2.7 (3.53) | 2.4 (3.14) | 1600 (63.0") | 1680 (66.1") | 2795 (6160) | ○ | | ○ | | ⊙ |
| 2.8 (3.66) | 2.5 (3.27) | 1655 (65.2") | 1705 (67.1") | 2795 (6162) | ○ | | ○ | | ⊙ |
| 3.5 (4.58) | 3.1 (4.05) | 1850 (72.8") | 1900 (74.8") | 3325 (7330) | ○ | | □ | | ✕ |
| **PC700LC-8E0*5** | | | | | 2.9 (9'6") | | | | |
| 4.0 (5.23) | 3.5 (4.58) | 2110 (83.1")*16 | 2110 (83.1")*16 | 3440 (7580) | ○ | | | | |
| **PC750-7*17, PC800-8E0, PC800-8R1** | | | | | 3.6 (11'10") | | 4.6 (15'1") | | 5.6 (18'4") |
| 2.8 (3.66) | 2.5 (3.27) | 1550 (51.0") | 1725 (67.9") | 2740 (6040) | ○ | | ○ | | ○ |
| 3.1 (4.05) | 2.8 (3.66) | 1700 (66.9") | 1875 (73.8") | 2940 (6480) | ○ | | □ | | □ |
| 3.4 (4.45) | 3.0 (3.92) | 1820 (71.7") | 1870 (73.6") | 3500 (7720) | □ | | ✕ | | ✕ |
| **PC750-7*17, PC800-8E0, PC800-8R1 (SE spec)** | | | | | 2.9 (9'8") | | | | |
| 4.0 (5.23) | 3.5 (4.58) | 2000 (78.7") | 2100 (82.8") | 3440 (7580) | ○ | | | | |
| 4.3 (5.62) | 3.8 (4.97) | 2150 (84.6") | 2250 (88.7") | 3840 (8470) | □ | | | | |
| 4.5 (5.89) | 4.0 (5.23) | 2230 (87.8") | 2330 (91.7") | 4050 (8930) | □ | | | | |

* Without side cutters
** Heavy-duty bucket
*** Rock (Quarry) bucket
*4 Italy source
*5 China source
*6 Thailand source
*7 Brazil source
*8 UK source
*9 USA source
*10 Indnesia source
*11 India source
*12 for USA
*13 Russia source
*14 for UK
*16 Bucket lip width
*17 for Russia



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These charts are based on over-side stability with fully loaded bucket at maximum reach.
- ● : General purpose use, weight up to 2.1 t/m³ (3500 lb/cu.yd)
- ○ : General purpose use, weight up to 1.8 t/m³ (3000 lb/cu.yd)
- □ : General purpose use, weight up to 1.5 t/m³ (2500 lb/cu.yd)
- ⊙ : Light duty work, weight up to 1.2 t/m³ (2000 lb/cu.yd)
- ✕ : Not usable.

| Bucket capacity (heaped) | | Width | | Weight kg (lb) (With side cutters or side shrouds) | Arm length m (ft.in) | | | | |
|---|---|---|---|---|---|---|---|---|---|
| SAE, PCSA m³ (cu.yd) | CECE m³ (cu.yd) | Without side cutters or side shrouds mm (in) | With side cutters or side shrouds mm (in) | | | | | | |
| **PC800-8E0*[8], PC800LC-8*[8]** | | | | | 7.1 (23'4") | | | 8.0 (26'3") | |
| | | | | | 2.9 (9'8") | | | 3.6 (11'10") | |
| 3.6 (4.71) | — | — | 1750 (68.9") | 3575 (7880) | ○ | | | ○ | |
| 4.0 (5.23) | — | — | 1950 (76.8") | 3700 (8160) | ○ | | | □ | |
| 4.4 (5.75) | — | — | 2140 (84.3") | 3800 (8380) | ○ | | | ⊙ (LC: □) | |
| 5.1 (6.67) | — | — | 2480 (97.6") | 3925 (8650) | □ | | | ⊙ | |
| 5.6 (7.32) | — | — | 2730 (107.5") | 4025 (8870) | ⊙ (LC: □) | | | ✕ (LC: ⊙) | |
| 6.0 (7.85) | — | — | 2920 (115.4") | 4100 (9040) | ⊙ | | | ✕ | |
| **PC800LC-8E0, PC800LC-8R1** | | | | | 3.6 (11'10") | | 4.6 (15'1") | | 5.6 (18'4") |
| 2.9 (3.79) | | | | | ○ | | | | |
| 3.1 (4.05) | 2.8 (3.66) | 1700 (66.9") | 1875 (73.8") | 2940 (6480) | ○ | | | | |
| 3.7 (4.84) | | | | | | | | | |
| **PC800LC-8*[12]** | | | | | 8.2 (26'11") | | | 7.1 (23'4") | |
| | | | | | 3.6 (11'10") | 4.6 (15'1") | 5.6 (18'4") | 2.945 (9'8") | |
| 1.70 (2.23) | — | — | 914 (36") | 2544 (5609) | ● | ● | ● | ● | |
| 2.09 (2.73) | — | — | 1067 (42") | 2732 (6023) | ● | ● | ○ | ● | |
| 2.48 (3.25) | — | — | 1219 (48") | 2998 (6610) | ● | ● | □ | ● | |
| 2.89 (3.78) | — | — | 1372 (54") | 3190 (7032) | ● | ● | ⊙ | ● | |
| 3.29 (4.31) | — | — | 1524 (60") | 3456 (7619) | ● | ○ | ✕ | ● | |
| 3.71 (4.85) | — | — | 1676 (66") | 3652 (8052) | ○ | □ | ✕ | ● | |
| 4.12 (5.39) | — | — | 1829 (72") | 3919 (8639) | □ | ⊙ | ✕ | ● | |
| 4.53 (5.93) | — | — | 1981 (78") | 4115 (9072) | ⊙ | ✕ | ✕ | ○ | |
| **PC800-7*[17], PC850-8E0, PC850-8R1** | | | | | 3.6 (11'10") | | | | |
| 3.4 (4.45) | 3.0 (3.92) | 1820 (71.7") | 1870 (73.6") | 3500 (7720) | ○ | | | | |
| **PC800-7*[17], PC850-8E0, PC850-8R1 (SE spec)** | | | | | 2.945 (9'8") | | | 3.6 (11'10") | |
| 4.0 (5.23)*[9] | 3.5 (4.58) | 2000 (78.7") | 2105 (82.9") | 4000 (8820) | ○ | | | ○ | |
| 4.0 (5.23) | 3.5 (4.58) | 2000 (78.7") | 2105 (82.9") | 3435 (7570) | ○ | | | ✕ | |
| 4.3 (5.62) | 3.8 (4.97) | 2150 (84.6") | 2255 (88.8") | 3870 (8530) | ○ | | | ✕ | |
| 4.5 (5.89) | 4.0 (5.23) | 2230 (87.8") | 2330 (91.9") | 4050 (8930) | □ | | | ✕ | |
| **PC1250-7, PC1250-8, PC1250-8R** | | | | | 3.4 (11'2") | | 4.5 (14'9") | | 5.7 (18'8") |
| 3.4 (4.4) | 3.0 (3.9) | 1500 (59.1") | 1670 (65.7") | 3600 (7940) | — | | ● | | ○ |
| 4.0 (5.2) | 3.5 (4.6) | 1710 (67.3") | 1880 (74") | 3800 (8380) | ● | | ○ | | □ |
| 5.0 (6.5) | 4.3 (5.6) | 2050 (80.7") | 2220 (87.4") | 4400 (9700) | ○ | | □ | | — |
| 5.2 (6.8) | 4.5 (5.9) | 2050 (80.7") | 2110 (83.1") | 5100 (11240) | ○ | | — | | — |
| **PC1250-7, PC1250-8, PC1250-8R (SP spec)** | | | | | 3.4 (11'2") | | | | |
| 6.7 (8.8) | 5.9 (7.7) | 2280 (89.8") | 2340 (92.1") | 6000 (13230) | ○ | | | | |
| **PC1250-8R*[10]** | | | | | 3.4 (11'2") | | | | |
| 6.7 (8.8) | 5.9 (7.7) | 2280 (89.8") | 2340 (92.1") | 6300 (13890) | ○ | | | | |
| **PC2000-8** | | | | | 8.7 + 3.9 (28'7" + 12'10") | | | | |
| 12.0 (15.7)* | 11.0 (14.4) | 2600 (102") | 2670 (105") | 12400 (27340) | ○ | | | | |
| 12.0 (15.7) | 11.0 (14.4) | 2600 (102") | 2670 (105") | 9700 (21380) | ○ | | | | |
| 13.7 (17.9)* | 12.0 (15.7) | 2720 (107") | 2790 (110") | 12500 (27560) | □ | | | | |
| 13.7 (17.9) | 12.0 (15.7) | 2720 (107") | 2790 (110") | 10500 (23150) | □ | | | | |

* Without side cutters
** Heavy-duty bucket
*** Rock (Quarry) bucket
*[4] Italy source
*[5] China source
*[6] Thailand source
*[7] Brazil source
*[8] UK source
*[9] USA source
*[10] Indnesia source
*[11] India source
*[12] for USA
*[13] Russia source
*[14] for UK
*[16] Bucket lip width
*[17] for Russia



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These charts are based on over-side stability with fully loaded bucket at maximum reach.
- ● : General purpose use, weight up to 2.1 t/m³ (3500 lb/cu.yd)
- ○ : General purpose use, weight up to 1.8 t/m³ (3000 lb/cu.yd)
- □ : General purpose use, weight up to 1.5 t/m³ (2500 lb/cu.yd)
- ⊙ : Light duty work, weight up to 1.2 t/m³ (2000 lb/cu.yd)
- ✕ : Not usable.

| Bucket capacity (heaped) | | Width | | Weight kg (lb) (With side cutters or side shrouds) | Arm length m (ft.in) |
|---|---|---|---|---|---|
| SAE, PCSA m³ (cu.yd) | CECE m³ (cu.yd) | Without side cutters or side shrouds mm (in) | With side cutters or side shrouds mm (in) | | |
| **PC3000-6** | | | | | 8.6 + 4.0 (28'3" + 13'1") |
| 15 (19.5) | 13.2 (17.3) | 3250 (128") | 3320 (131") | 15270 (33660) | ○ |
| **PC4000-6** | | | | | 9.75 + 4.5 (32'0" + 14'9") |
| 22 (28.8) | 19 (24.9) | 3790 (149") | 3800 (150") | 24700 (54450) | ○ |
| **PC5500-6** | | | | | 11 + 5.1 (36'1" + 16'9") |
| 29 (37.9) | 24.3 (31.8) | 4380 (172") | 4390 (173") | 32860 (72440) | ○ |
| **PC8000-6** | | | | | 11.5 + 5.5 (37'9" + 18'1") |
| 42 (55) | 36.9 (48.3) | 4555 (179") | 4565 (180") | 44050 (97110) | ○ |

* Without side cutters
** Heavy-duty bucket
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*10 Indnesia source
*11 India source
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*16 Bucket lip width
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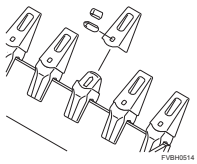
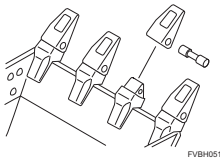
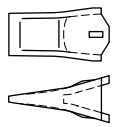
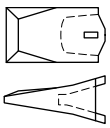
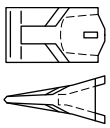
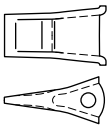
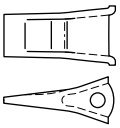
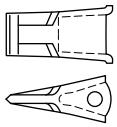


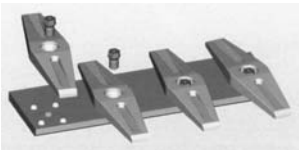
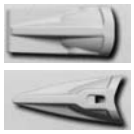
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## Teeth Selection for Excavators (Backhoe)

| Type / Current production Model | KOMATSU | | | | | |
|---|---|---|---|---|---|---|
| | Vertical pin type | | | Horizontal pin | | |
| |  | | |  | | |
| | Standard | Long Life | Self-sharpened | Standard | Long Life | Self-sharpened |
| |  |  |  |  |  |  |
| PC130-8<br>PC138US<br>PC160-8<br>PC200/210 | ◎ | ○ | ○ | ◎ | ○ | ○ |
| PC220/230<br>PC270/290<br>PC300/350 | ◎ | ○ | ○ | ◎ | ○ | ○ |
| PC400/450<br>PC550 | ◎ | ○ | ○ | ◎ | ○ | ○ |
| PC600/650/700 | — | — | — | — | — | — |
| PC800/850 | — | — | — | — | — | — |
| PC1250 | — | — | — | — | — | — |
| PC2000 | — | — | — | — | — | — |

| Type / Current production Model | Hensley | | | | Komatsu KVX |
|---|---|---|---|---|---|
| | KMAX series (XS series) | | | | KVX |
| |  | | | |  |
| | SYL<br>(Standard) | RC<br>(Rock Chisel) | SC<br>(Short) | Others | |
| |  |  |  | | |
| PC130-8<br>PC138US<br>PC160-8<br>PC200/210 | △ | △ | △ | △ | △ |
| PC220/230<br>PC270/290<br>PC300/350 | △ | △ | △ | △ | △ |
| PC400/450<br>PC550 | △ | △ | △ | △ | △ |
| PC600/650/700 | ◎* | ◎** | ○ | ○ | △ |
| PC800/850 | ◎* | ◎** | ○ | ○ | △ |
| PC1250 | ○ | ◎ | ○ | ○ | △ |
| PC2000 | ○ | ○ | ◎ | ○ | △ |

◎: Installed at Komatsu factory as a first fit optional equipment
○: Parts order needed separately and/or Hensley to Komatsu Parts Department.
△: Ask Hensley/KVX in detail
—: On current production models
* : General purpose bucket
** : Quarry rock bucket



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## 1. Komatsu vertical pin and horizontal pin type

- Long-life bucket tooth:
  Fits the work site where wear resistance of the tooth is required because it must be used to collect sand and gravel.
- Self-sharpened bucket tooth:
  Fits the work site where penetration ease of the tooth is required because it must be used to dig rock and clay after blasting.
- Standard bucket tooth:
  Fits other general work sites.

## 2. Hensley teeth

### 1) Features

**Tooth**

- Penetrative ability can be maintained for long period of time by performing the rotation/ reverse.
- Wear resistance is reinforced with "Through-Hard" (hardened entirely).



**Adapter**

- Adapter nose is large and sturdy.
- Shape of the adapter is smoothly round which prevents concentration of stress.





**Tooth lock pin**

- It can be removed and installed easily by using socket wrench.
- It is able to use several times, and economical.











*Locked and open position*

**KMAX is easier**

KMAX is locked with a latch. This ensures the easiest, safest and most secure locking method for a hammer-less system. No prying or special tools are needed. The teeth can be changed quickly and with minimal effort.


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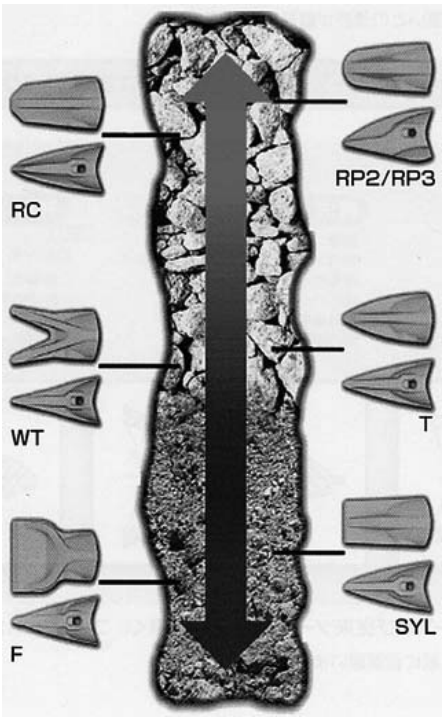
## 2) Teeth Selection

**Heavy load/Service wear**

**Rock Chisel**
- Designed for penetration and long wear life
- Rock digging ability

**Twin Tiger**
- Designed for penetration for corners, hard soil digging
- Wear resistance for bucket side plate

**Flare**
- Loose material for clean bottom and greater fill
- Normal soil digging, ditch digging




**For Loader**

**Tiger**
- Designed for good penetration with ribs for strength, hard soil digging

**Sharp Ribbed**
- General applications

**Light load/General purpose**

**Application model**

| Series | | Excavators |
|---|---|---|
| KMAX | XS | STANDARD/HEAVY DUTY |
| | XS04 | PC20-PC45 |
| | XS05 | PC55-PC70 |
| | XS10 | PC78-PC88 |
| K15 | XS15 | PC110-PC138 |
| K20 | XS20 | PC160-PC200 |
| K25 | XS25 | PC220-PC290 |
| K30 | XS30 | PC300 |
| K40 | XS40 | PC350-PC400 |
| K50 | XS50 | PC450-PC600 |
| K70 | XS70 | — |
| K85 | XS85 | PC800-PC1250 |
| | XS115 | PC1400-PC1600 |
| | XS145 | PC2000 |
| | XS250<br>XS252 | PC3000BH-PC3000FS |
| | XS340<br>XS342 | PC4000BH |
| | XS390<br>TS922 | PC4000FS |
| | XS640<br>TS1122 | PC5500BH-PC5500FS |
| | XS800<br>TS1222 | PC8000BH-PC8000FS |



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### 3) KMAX and XS teeth selection for excavators

| Tooth style | | Feature - Application | Benefit - Advantage |
|---|---|---|---|
| Sharp Ribbed (SYL) |  | • General purpose shape used on excavators<br>• Ribbs for support<br>• Centerline tooth | Wears sharp for good penetration |
| Rock Chisel (RC) |  | • Heavy duty tooth shape<br>• Used on excavators<br>• Centerline tooth | • Additional wear material for abrasive, tough digging conditions<br>• Profile wears sharp for good penetration |
| Tiger (T) |  | • Ribs provide strength for tough digging conditions<br>• Used on excavators<br>• Centerline tooth | Tooth shape provide maximum penetration |
| Twin Tiger (T) |  | • Used on corner adapters to cut bucket clearance<br>• Used on excavators<br>• Centerline tooth | Tooth shape provide maximum penetration |
| U Twin Tiger (UT) |  | • Used on corner adapters to cut bucket clearance<br>• Used on excavators<br>• Centerline tooth | • Better penetration<br>• Parallel sides keep cut width constant during work |
| Flare (F) |  | • Wide profile for general purpose clean up and trench bottoms<br>• Used on excavators<br>• Centerline tooth | Panels provide strength for excavating |



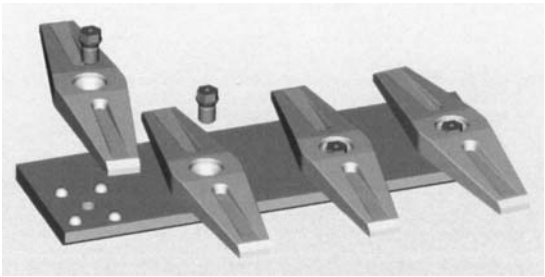
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### 3. KVX teeth system

#### 1) Features

KVX GET is a "system", where the lip and other GET components work together to bring you unique benefits:

1. **Recessed bolt heads mean:**
   - better penetration & productivity
   - less hang-ups during dumping
   - no exposed nuts inside the bucket
2. **Threaded lip and/or GET components mean:**
   - positive retention throughout wear life
   - more useable wear material (no mounts or plough bolt heads to wear off)
   - elimination of troublesome nuts, washers, lock or retainers
3. **KVX bolts mean:**
   - far superior GET retention than both plough bolt systems & pinned/locked systems
   - high strength, enhancing impact resistance & allowing fitment of longer-life components which protrude further in front of the lip than conventional bolt or pin/lock systems can retain
4. **Flat faced components mean up to 100% useable steel!**
   - after use as a GET components, competitive shrouds, adapters & teeth are discarded as scrap (often more than 50% "throw-away"). In contrast, KVX's "flat" GET components are re-used as wear & impact liners elsewhere in the mining operation, saving you money on alterative wear products
5. **Adapterless & retainerless KVX design means:**
   - no adapters, retainers or profile bars to repair or replace
   - no adapter, mount or profile bar welding
   - almost zero risk of GET loss
   - less risk of significant repair and downtime related to site costs due to lost GET parts damaging other plant
   - excellent protection for underside of lip & bucket (minimal bucket underside wear)
   - thinner frontal GET/lip profile for superior productivity and fuel efficiency plus less wheel spin
6. **Sagitta steel means:**
   - longer GET life than typical castings (due to toughness, hardness and available steel)
   - fewer change-outs and less bucket & GET Maintenance
   - superior reliability



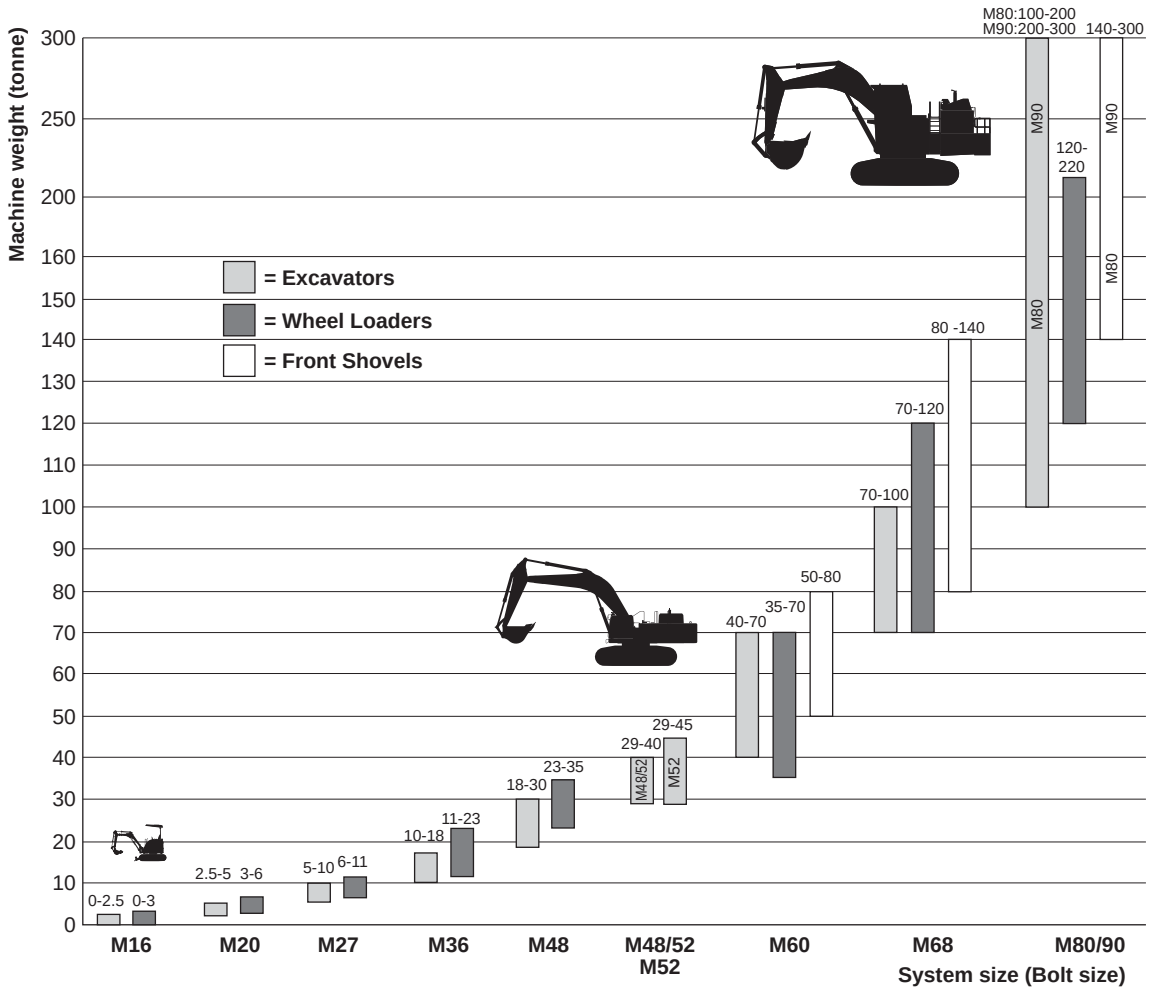


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## 2) Teeth selection

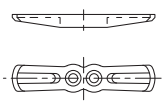
### How to select the right KVX system



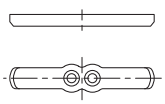

The graph indicates the recommended KVX system based on machine weight.
If in doubt, choose the lager system.

FVBH0494

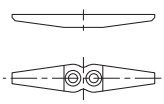
**A:** STANDARD



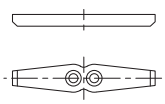
**B:** STONE



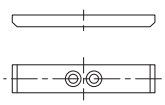
**C:** TORPEDO



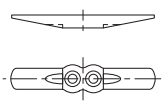
**D:** STORE TORPEDO



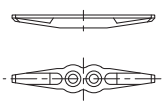
**E:** STONE HD



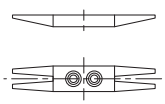
**F:** PENETRATION



**G:** TIGER



**H:** TWIN TIGER



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KVX Tooth Table

| | | TOOTH SHAPES | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Model** | **Bolt Size** | **A** | **B** | **C** | **D** | **E** | **F** | **G** | **H** |
| PC120, PC200 | M36 | ○ | ○ | — | — | — | ○ | ○ | ○ |
| PC200, PC300 | M48 | ○ | ○ | — | ○ | ○ | ○ | ○ | ○ |
| PC350, PC450 | M48 / 52 | ○ | — | ○ | — | ○ | — | ○ | ○ |
| PC450, PC600 | M60 | ○ | ○ | — | ○ | ○ | — | ○ | ○ |
| PC600, PC800 | M68 | — | — | — | ○ | ○ | — | ○ | ○ |
| PC1250 | M80 | — | — | — | ○ | ○ | — | ○ | ○ |

○ : Available

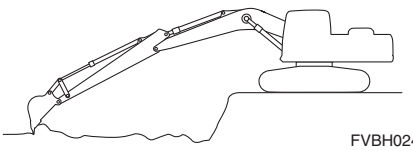
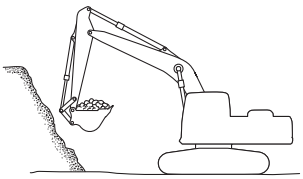
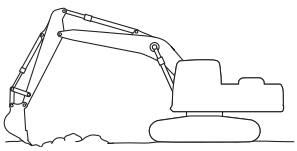
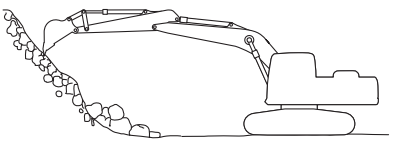


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## 1. Basic idea for excavator selection

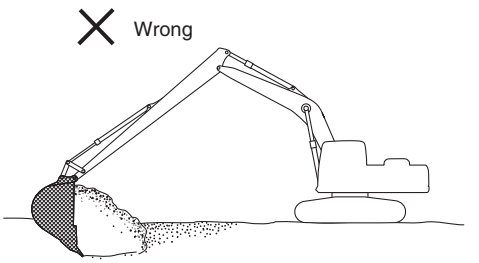
The concept of the combination of bucket size, arm length, and boom length for hydraulic excavators to match the nature of the operation is as follows.

| Main-types of work | Combination | | |
|---|---|---|---|
| | Boom/Arm | + | Bucket |
| 1) Wider working range  FVBH0242 | Long boom<br>Long arm | + | Small capacity bucket |
| 2) Larger production  FVBH0243 | Short boom<br>Short arm | + | Large capacity bucket |
| 3) Larger digging force, Larger lifting capacity  FVBH0244 | Short arm | +<br>+ | Narrow bucket<br>Ripper bucket |
| 4) Heavy-duty work  FVBH0245 | Strengthened boom<br>Strengthened arm | + | Heavy-duty bucket |

## 2. Wrong combination

1) Long Arm with Large Capacity Bucket

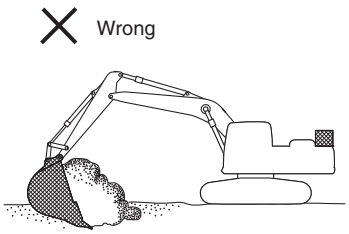
If the machine is operated with a long arm and a large capacity bucket with a capacity larger than recommended, the machine will become unstable, and it will also lose digging power, so the operating efficiency will drop. In particular, if a strong shock load is applied to the bucket, there is danger that the arm may break.



FVBH0246

2) Additional Counterweight

If an excessive capacity bucket or heavy attachment is installed, the machine will become unstable, so it is common to see additional counterweights used. However, this means that an excessive load is applied not only to the work equipment and undercarriage, but also to the whole machine, so this will lead to a reduction in the service life of the machine.



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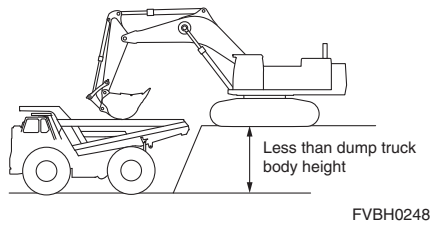


### 3. Concepts for selection of backhoe type and loading shovel for large hydraulic excavators

1) Bench height (ease of loading)

From the point of view of the ease of loading a dump truck, a guideline is to select a loading shovel if the height of the bench is more than 5 m (16'5"), and a backhoe type if the height of the bench is less than 5 m (16'5").

For the backhoe type to load a dump truck efficiently, the bench height should be less than the dump truck body height.



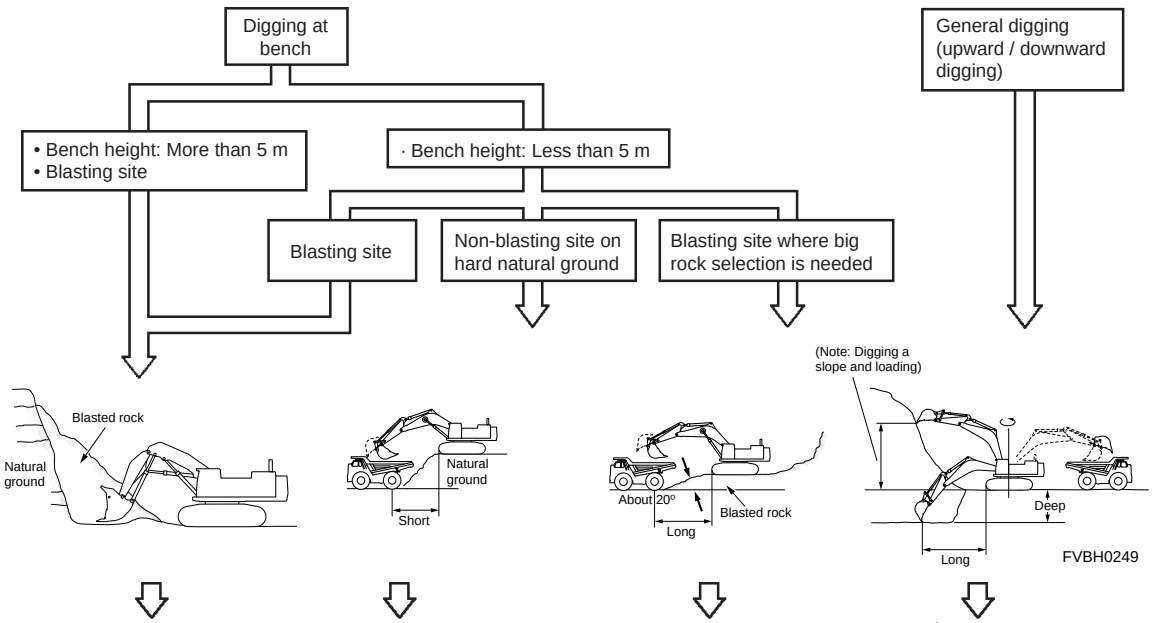

2) Digging function

Loading shovel : This is better for loading blasted rocks where there are many large lumps and digging force is required. When digging flat surfaces, its horizontal pushing force is strong and it can show its power, but it is difficult for it to use its pushing force when digging above ground level.

Backhoe : This is an all-round attachment for digging and loading. When increasing the bucket size to ensure production volume, make the work equipment (arm, boom) shorter.

### Large Size Hydraulic Excavator Work Equipment Selection Guide

Select the work equipment for large hydraulic excavators as follows.




| Loading Shovel | Backhoe | | Backhoe | | Backhoe | |
|---|---|---|---|---|---|---|
| PC400<br>PC600LC<br>PC750 | PC750, PC800 (SE spec.)<br>7.1 m (23'4") Boom, 2.92 m (9'7") Arm<br>PC850 (SE spec.)<br>7.1 m (23'4") Boom, 2.95 m (9'7") Arm | | PC750<br>PC800<br>PC850 | 8.2 m (26'11") Boom<br>3.6 m (11'10") Arm<br>8.0 m (26'5") Boom<br>3.6 m (11'10") Arm | PC750<br>PC800 | 8.2 m (26'11") Boom<br>3.6 m (11'10") Arm |
| PC1250 | PC1250 (SP spec.)<br>7.8 m (25'7") Boom, 3.4 m (11'2") Arm | | PC1250 | 9.1 m (29'10") Boom<br>3.4 m (11'2") Arm | PC1250 | 9.1 m (29'10") Boom<br>4.5 m (14'9") Arm<br>or 5.7 m (18'8") Arm |
| PC2000<br>PC3000<br>PC4000<br>PC5500<br>PC8000 | PC2000 | 8.7 m (28'7") Boom<br>3.9 m (12'10") Arm | | | | |
| | PC3000 | 8.6 m (28'3") Boom<br>4.0 m (13'1") Arm | PC3000 | 8.6 m (28'3") Boom<br>4.0 m (13'1") Arm | PC3000 | 8.6 m (28'3") Boom<br>4.0 m (13'1") Arm |
| | PC4000 | 9.75 m (32'0") Boom<br>4.5 m (14'9") Arm | PC4000 | 9.75 m (32'0") Boom<br>4.5 m (14'9") Arm | PC4000 | 9.75 m (32'0") Boom<br>4.5 m (14'9") Arm |
| | PC5500 | 11.0 m (36'1") Boom<br>5.1 m (16'9") Arm | PC5500 | 11.0 m (36'1") Boom<br>5.1 m (16'9") Arm | PC5500 | 11.0 m (36'1") Boom<br>5.1 m (16'9") Arm |
| | PC8000 | 11.5 m (37'9") Boom<br>5.5 m (18'1") Arm | PC8000 | 11.5 m (37'9") Boom<br>5.5 m (18'1") Arm | PC8000 | 11.5 m (37'9") Boom<br>5.5 m (18'1") Arm |

**NOTE:** The bucket size depends on the specific gravity (loose) of the material loaded. For details, see Bucket and Arm Combination.



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## Hydraulic excavator and dump truck combination

| HYDRAULIC EXCAVATOR | | | RIGID DUMP TRUCK | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| MODEL (B/H) | BUCKET CAPACITY (HEAPED) $m^3$ (cu,yd) | | HD255 | HD325 | HD405 | HD465 | HD605 | HD785 | HD1500 |
| | | | Payload m. ton (U.S. ton) | | | | | | |
| | | | 25 (27.6) | 36.5 (40) | 41 (45) | 55 (61) | 63 (69) | 91 (100) | 144 (159) |
| | | | Body Capacity $m^3$ (cu. yd) | | | | | | |
| | (SAE) | (CECE) | 17.7 (23.2) | 24.0 (31.4) | 27.3 (35.7) | 34.2 (44.7) | 40 (52.3) | 60 (78.5) | 78 (102) |
| PC400 | 1.90 (2.49) | 1.7 (2.22) | 7 | (11) | | | | | |
| PC450 | 2.10 (2.75) | 1.9 (2.49) | 7 | (10) | (11) | | | | |
| PC600 PC700 | 2.0 (2.62) | 1.8 (2.35) | 7 | (10) | (11) | | | | |
| | 2.3 (3.01) | 2.1 (2.75) | 6 | (9) | (10) | | | | |
| | 2.7 (3.53) | 2.4 (3.14) | 5 | 8 | 8 | (11) | | | |
| | 2.8 (3.66) | 2.5 (3.27) | 5 | 7 | 8 | (11) | | | |
| | 3.1 (4.05) | 2.8 (3.66) | 4 | 7 | 7 | (10) | (11) | | |
| | 3.5 (4.58) | 3.1 (4.05) | 4 | 6 | 7 | (9) | (10) | | |
| PC800-8 PC750-7 | 2.8 (3.66) | 2.5 (3.27) | 5 | 7 | 8 | (11) | | | |
| | 3.1 (4.05) | 2.8 (3.66) | 4 | 7 | 7 | (10) | (11) | | |
| | 3.4 (4.45) | 3.0 (3.92) | 4 | 6 | 7 | (9) | (10) | | |
| PC750-7 (SE spec.) | 4.0 (5.2) | 3.5 (4.6) | (3) | 5 | 6 | 8 | (9) | | |
| PC800-8 (SE spec.) | 4.3 (5.6) | 3.8 (5.0) | (3) | 5 | 5 | 7 | 8 | | |
| | 4.5 (5.9) | 4.0 (5.2) | (3) | 5 | 5 | 7 | 8 | (11) | |
| PC800-7 PC850-8 | 3.4 (4.45) | 3.0 (3.92) | 4 | 6 | 7 | (9) | (10) | | |
| PC1250 | 3.4 (4.4) | 3.0 (3.9) | 4 | 6 | 7 | (9) | (10) | | |
| | 4.0 (5.2) | 3.5 (4.6) | (3) | 5 | 6 | 8 | (9) | | |
| | 5.0 (6.5) | 4.3 (5.6) | (3) | 4 | 5 | 6 | 7 | (10) | |
| | 5.2 (6.8) | 4.5 (5.9) | (3) | 4 | 4 | 6 | 7 | (10) | |
| PC1250 (SP spec.) | 6.7 (8.8) | 5.7 (7.5) | | (3) | (3) | 5 | 5 | 8 | |
| PC2000 | 12.0 (15.7) | 11.0 (14.4) | | | | (3) | (3) | 4 | 7 |
| | 13.7 (17.9) | 12.0 (15.7) | | | | | (3) | 4 | 6 |

Note: B/H: BACKHOE
Number of loads: 4 ~ 8 Suitable, (3)(9) ~ (11) Possible
Above combination is determined by following method;
(1) Suitable loading times (n):

$$n = \frac{\text{Max. payload of dump truck}}{\text{Bucket capacity} \times \text{Bucket fill factor} \times \text{Specific weight}} \quad \text{or} \quad n = \frac{\text{Heaped capacity of dump truck}}{\text{Bucket capacity} \times \text{Bucket fill factor}}$$

Number of loading times is calculated based on following condition.

1. Calculate number of loading times from maximum payload of dump truck.
   Please see formula 1.
2. Calculate number of loading times from body capacity of dump truck.
   Please see formula 2.
3. Adopt lower number between formula 1 and formula 2.

Formula 1
Number of loading = Payload of truck (metric tonnes) / (Bucket capacity of loader ($m^3$)) × loose density × bucket factor)

Formula 2
Number of loading = Body capacity (cubic meter) / (Bucket capacity of loader ($m^3$)) × bucket factor )

We adopt following condition.

Density = 1.8 metric tonnes per cubic meter
Bucket factor = 1.0

Calculated number of loading times are rounded off to the first decimal place.



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## Hydraulic excavator and dump truck combination

| HYDRAULIC EXCAVATOR | | | RIGID DUMP TRUCK | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| MODEL (B/H) | BUCKET CAPACITY (HEAPED) $m^3$ (cu,yd) | | HD785 | HD1500 | 730E | 830E-AC | 860E-1K | 930E-4 930E-4SE | 960E |
| | | | Payload m. ton (U.S. ton) | | | | | | |
| | | | 91 (100) | 144 (159) | 181 (200) | 222 (244) | 254 (280) | 292 (320) | 327 (360) |
| | | | Body Capacity $m^3$ (cu. yd) | | | | | | |
| | (SAE) | (CECE) | 60 (78.5) | 78 (102) | 148 (193) | 147 (193) | 169 (221) | 211 (276) | 214 (280) |
| PC3000 | 15.0 (19.6) | 13.1 (17.1) | 4 | 6 | 7 | | | | |
| PC4000 | 22.0 (28.8) | 19 (25) | 3 | 4 | 5 | 6 | 6 | | |
| PC5500 | 29.0 (37.9) | 24.3 (31.8) | | 3 | 4 | 5 | 5 | 6 | 7 |
| PC8000 | 42.0 (54.9) | 36.9 (48.3) | | | 3 | 3 | 4 | 4 | 5 |

Note: B/H: BACKHOE
Number of loads: 3 – 7 Suitable

Above combination is determined by following method;
(1) Suitable loading times (n):

$$n = \frac{\text{Max. payload of dump truck}}{\text{Bucket capacity} \times \text{Bucket fill factor} \times \text{Specific weight}} \quad \text{or} \quad n = \frac{\text{Heaped capacity of dump truck}}{\text{Bucket capacity} \times \text{Bucket fill factor}}$$

Number of loading times is calculated based on following condition.

1. Calculate number of loading times from maximum payload of dump truck.
   Please see formula 1.
2. Calculate number of loading times from body capacity of dump truck.
   Please see formula 2.
3. Adopt lower number between formula 1 and formula 2.

Formula 1
Number of loading = Payload of truck (metric tonnes) / (Bucket capacity of loader ($m^3$)) × loose density × bucket factor)

Formula 2
Number of loading = Body capacity (cubic meter) / (Bucket capacity of loader ($m^3$)) × bucket factor )

We adopt following condition.

Density = 1.8 metric tonnes per cubic meter
Bucket factor = 1.0

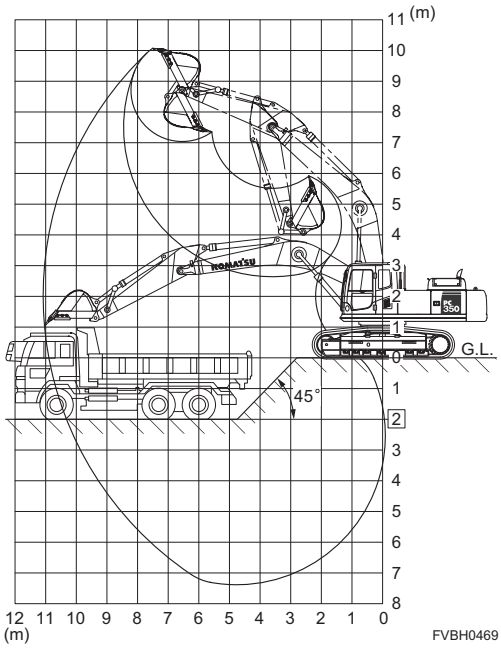

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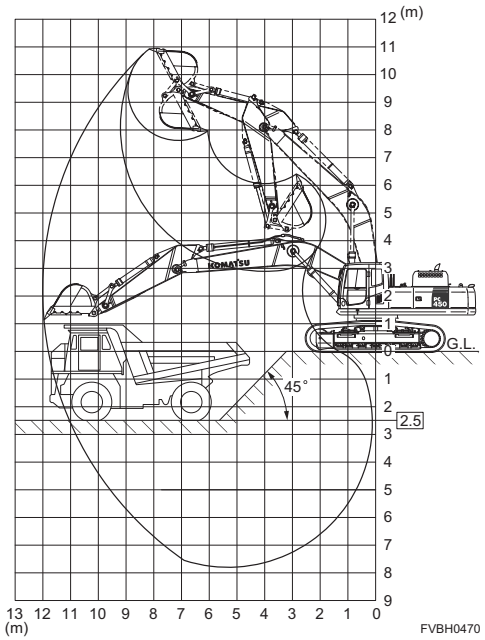


**Working range and load height**

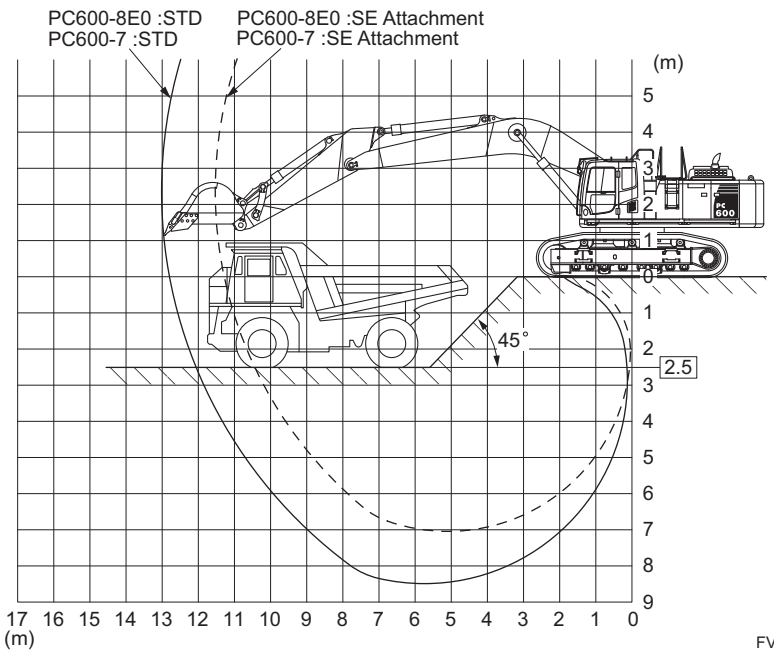
Normal rock-loading operations:
Loading machine: PC350-7, PC350-8
Dump truck: 11-ton




Normal rock-loading operations:
Loading machine: PC450-7, PC450-8(8R)
Dump truck: HD255-5




Normal rock-loading operations:
Loading machine: PC600-7, PC600-8E0(8R1)
Dump truck: HD255-5





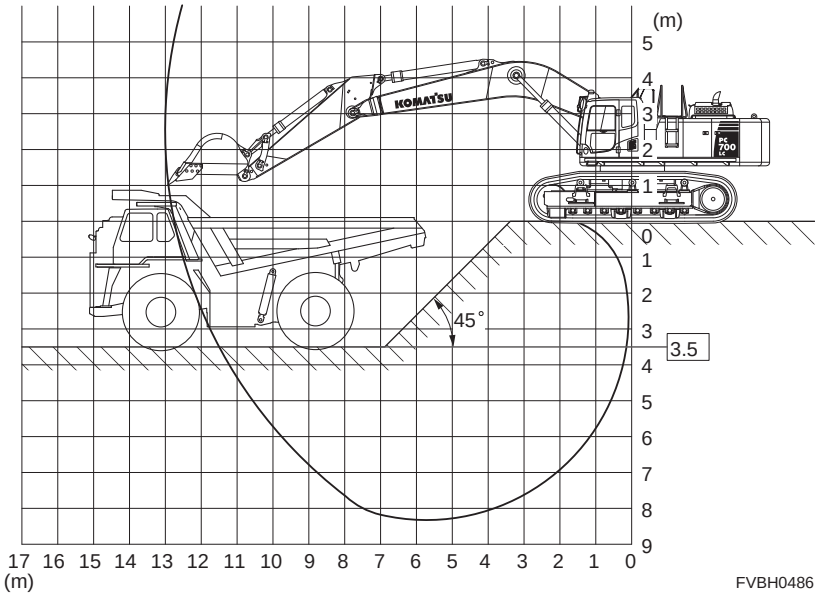

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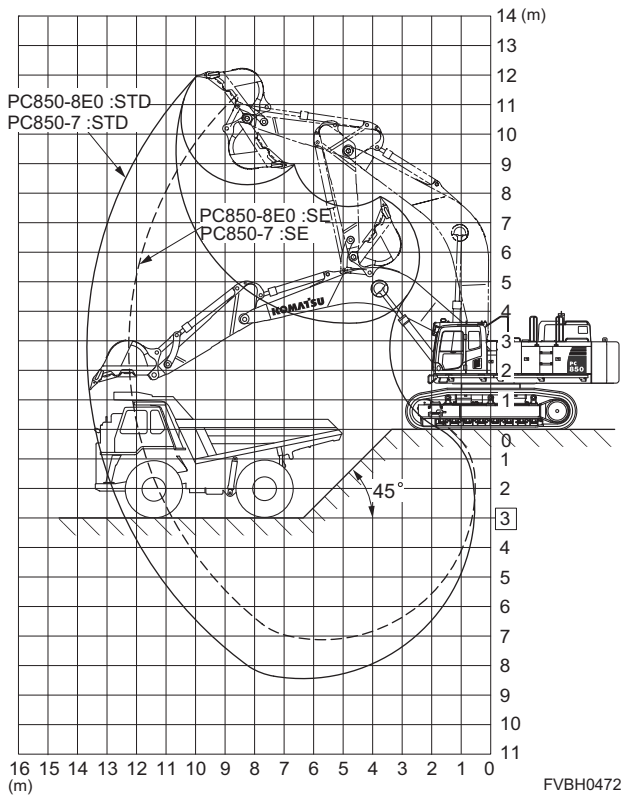


**Working range and load height**

Normal rock-loading operations:
Loading machine: PC700LC-8E0 (8R)
Dump truck: HD325-7




Normal rock-loading operations:
Loading machine: PC800-7, PC850-8E0(8R1)
Dump truck: HD325-7(7R)



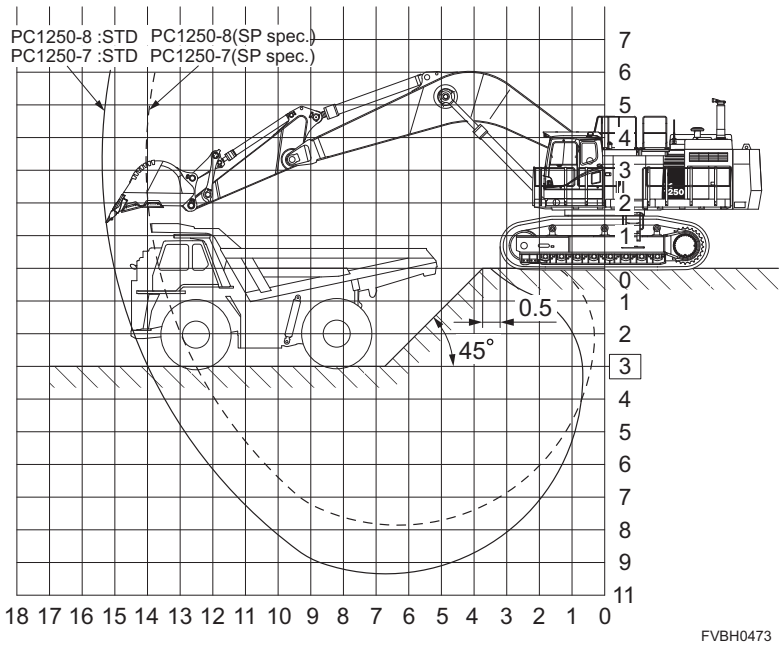



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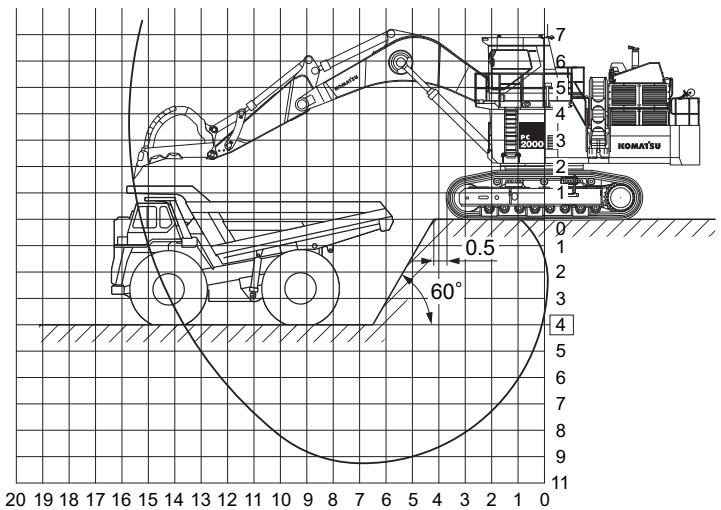

**Working range and load height**

Normal rock-loading operations:
Loading machine: PC1250-7, PC1250-7(SP spec.), PC1250-8(8R), PC1250-8(8R)(SP spec.)
Dump truck: HD465-7E0(7R)




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Normal rock-loading operations:
Loading machine: PC2000-8
Dump truck: HD785-7




FVBH0475

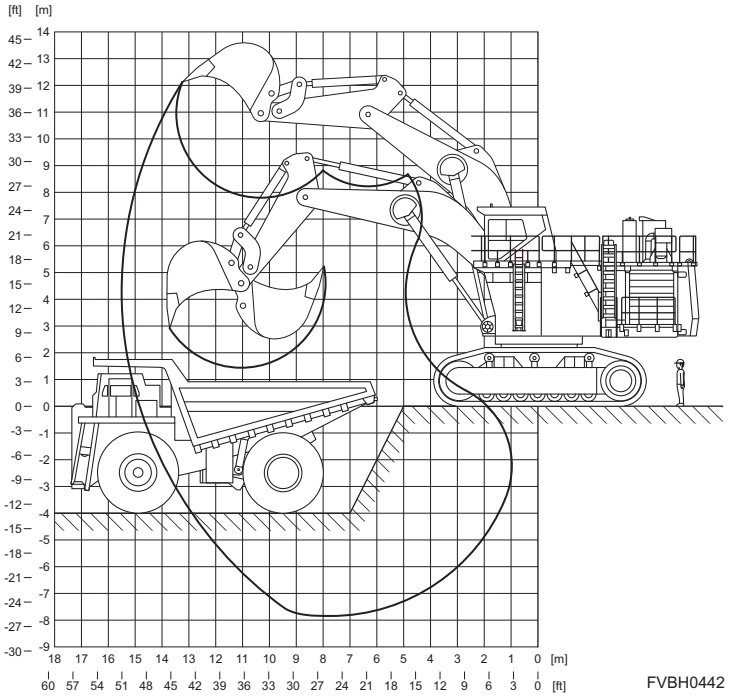

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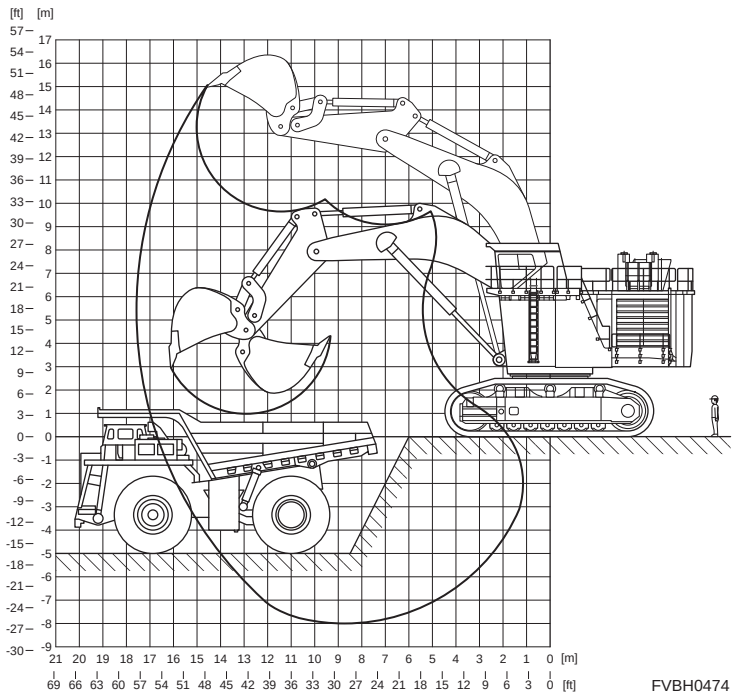


**Working range and load height**

Normal rock-loading operations:
Loading machine: PC3000-6
Dump truck: HD1500-7




Normal rock-loading operations:
Loading machine: PC4000-6
Dump truck: 730E





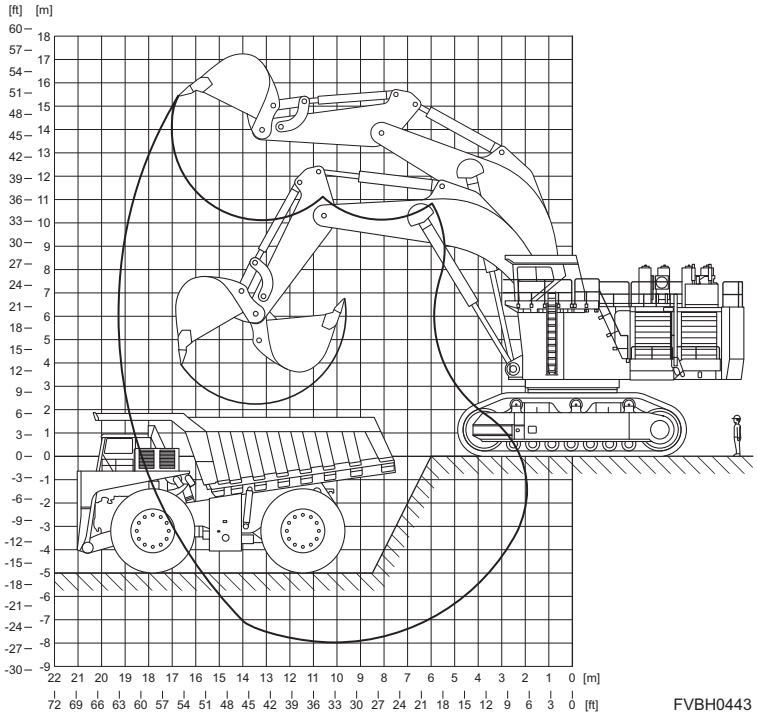

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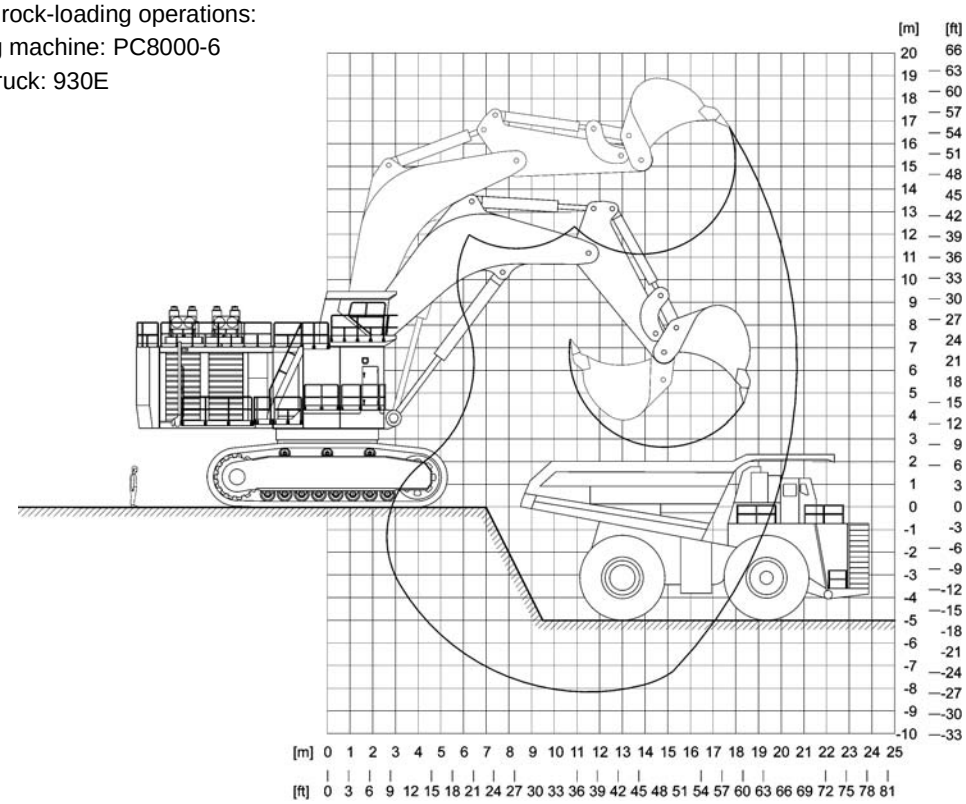


**Working range and load height**

Normal rock-loading operations:
Loading machine: PC5500-6
Dump truck: 830E




Normal rock-loading operations:
Loading machine: PC8000-6
Dump truck: 930E






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## Estimated Hourly Production

| ESTIMATED CYCLE TIME | | BUCKET SIZE** (CU.M) OR (CU.YD) | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEC. | MIN. | 0.2 | 0.3 | 0.5 | 0.7 | 0.9 | 1.1 | 1.3 | 1.5 | 1.7 | 1.9 | 2.1 | 2.3 | 2.5 | 2.7 | 2.9 | 3.1 | 3.3 | 3.5 | 3.7 | 3.9 | 4.1 | 4.3 |
| 10.0 | 0.17 | 72 | 108 | 180 | 252 | 324 | | | | | | | | | | | | | | | | | |
| 11.0 | 0.18 | 65 | 98 | 164 | 229 | 295 | 360 | 425 | 491 | | | | | | | | | | | | | | |
| 12.0 | 0.20 | 60 | 90 | 150 | 210 | 270 | 330 | 390 | 450 | 510 | 570 | 630 | 690 | 750 | | | | | | | | | |
| 13.0 | 0.22 | 55 | 83 | 138 | 194 | 249 | 305 | 360 | 415 | 471 | 526 | 582 | 637 | 692 | 748 | 803 | 858 | 914 | 969 | 1025 | 1080 | 1135 | |
| 15.0 | 0.25 | 48 | 72 | 120 | 168 | 216 | 264 | 312 | 360 | 408 | 456 | 504 | 552 | 600 | 648 | 696 | 744 | 792 | 840 | 888 | 936 | 984 | 1032 |
| 17.0 | 0.28 | 42 | 64 | 106 | 148 | 191 | 233 | 275 | 318 | 360 | 402 | 445 | 487 | 529 | 572 | 614 | 656 | 699 | 741 | 784 | 826 | 868 | 911 |
| 19.0 | 0.32 | 38 | 57 | 95 | 133 | 171 | 208 | 246 | 284 | 322 | 360 | 398 | 436 | 474 | 512 | 549 | 587 | 625 | 663 | 701 | 739 | 777 | 815 |
| 21.0 | 0.35 | 34 | 51 | 86 | 120 | 154 | 189 | 223 | 257 | 291 | 326 | 360 | 394 | 429 | 463 | 497 | 531 | 566 | 600 | 634 | 669 | 703 | 737 |
| 24.0 | 0.40 | 30 | 45 | 75 | 105 | 135 | 165 | 195 | 225 | 255 | 285 | 315 | 345 | 375 | 405 | 435 | 565 | 595 | 525 | 555 | 585 | 615 | 645 |
| 27.0 | 0.45 | 27 | 40 | 67 | 93 | 120 | 147 | 173 | 200 | 227 | 253 | 280 | 307 | 333 | 360 | 387 | 413 | 440 | 467 | 493 | 520 | 547 | 573 |
| 30.0 | 0.50 | 24 | 36 | 60 | 84 | 108 | 132 | 156 | 180 | 204 | 228 | 252 | 276 | 300 | 324 | 348 | 372 | 396 | 420 | 444 | 468 | 492 | 516 |
| 35.0 | 0.58 | | | | | | | | | 175 | 195 | 216 | 237 | 257 | 278 | 298 | 319 | 339 | 360 | 381 | 401 | 422 | 442 |
| 40.0 | 0.67 | | | | | | | | | | | | | | | | 279 | 297 | 315 | 333 | 351 | 369 | 387 |

| ESTIMATED CYCLE TIME | | BUCKET SIZE** (CU.M) OR (CU.YD) | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEC. | MIN. | 4.5 | 4.7 | 4.9 | 5.1 | 5.3 | 5.5 | 5.7 | 6.0 | 6.5 | 7.0 | 7.5 | 8.0 | 8.5 | 9.0 | 9.5 | 10.0 | 10.5 | 11.0 | 11.5 | 12.0 | |
| 15.0 | 0.25 | 1080 | 1128 | 1176 | 1224 | 1272 | 1320 | 1368 | | | | | | | | | | | | | | |
| 17.0 | 0.28 | 953 | 995 | 1038 | 1080 | 1122 | 1165 | 1207 | | | | | | | | | | | | | | |
| 19.0 | 0.32 | 853 | 891 | 928 | 966 | 1004 | 1042 | 1080 | 1137 | 1231 | 1326 | 1421 | 1516 | 1611 | 1705 | 1800 | 1895 | 1989 | 2084 | 2179 | 2274 | |
| 21.0 | 0.35 | 771 | 806 | 840 | 874 | 909 | 943 | 977 | 1028 | 1114 | 1200 | 1286 | 1371 | 1457 | 1543 | 1629 | 1714 | 1800 | 1886 | 1971 | 2057 | |
| 24.0 | 0.40 | 675 | 705 | 735 | 765 | 795 | 825 | 855 | 900 | 975 | 1050 | 1125 | 1200 | 1275 | 1350 | 1425 | 1500 | 1575 | 1650 | 1725 | 1800 | |
| 27.0 | 0.45 | 600 | 627 | 653 | 680 | 707 | 733 | 760 | 800 | 867 | 933 | 1000 | 1067 | 1133 | 1200 | 1267 | 1333 | 1400 | 1467 | 1533 | 1600 | |
| 30.0 | 0.50 | 540 | 564 | 588 | 612 | 636 | 660 | 684 | 720 | 780 | 840 | 900 | 960 | 1020 | 1080 | 1140 | 1200 | 1260 | 1320 | 1380 | 1440 | |
| 35.0 | 0.58 | 463 | 483 | 504 | 525 | 545 | 566 | 586 | 617 | 668 | 720 | 771 | 823 | 874 | 926 | 977 | 1029 | 1080 | 1131 | 1183 | 1234 | |
| 40.0 | 0.67 | 405 | 423 | 441 | 459 | 477 | 495 | 513 | 540 | 585 | 630 | 675 | 720 | 765 | 810 | 855 | 900 | 945 | 990 | 1035 | 1080 | |
| 45.0 | 0.75 | | | | | | | | 480 | 520 | 560 | 600 | 640 | 680 | 720 | 760 | 800 | 840 | 880 | 920 | 960 | |

| ESTIMATED CYCLE TIME | | BUCKET SIZE** (CU.M) OR (CU.YD) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEC. | MIN. | 12.5 | 13.0 | 13.5 | 14.0 | 15.0 | 16.0 | 18 | 20 | 22 | 25 | 28 | 30 | 35 | 38 | 40 |
| 15.0 | 0.25 | | | | | | | | | | | | | | | |
| 17.0 | 0.28 | | | | | | | | | | | | | | | |
| 19.0 | 0.32 | 2368 | 2463 | | | | | | | | | | | | | |
| 21.0 | 0.35 | 2143 | 2229 | 2314 | 2400 | 2571 | 3031 | 3085 | | | | | | | | |
| 24.0 | 0.40 | 1875 | 1950 | 2025 | 2100 | 2250 | 2400 | 2700 | 3000 | 3300 | 3750 | 4200 | 4500 | 5250 | 5700 | 6000 |
| 27.0 | 0.45 | 1667 | 1733 | 1800 | 1866 | 2000 | 2133 | 2400 | 2666 | 2933 | 3333 | 3733 | 4000 | 4666 | 5066 | 5333 |
| 30.0 | 0.50 | 1500 | 1560 | 1620 | 1680 | 1800 | 1920 | 2160 | 2400 | 2640 | 3000 | 3360 | 3600 | 4200 | 4560 | 4800 |
| 35.0 | 0.58 | 1286 | 1337 | 1388 | 1440 | 1543 | 1645 | 1851 | 2057 | 2263 | 2571 | 2880 | 3085 | 3600 | 3908 | 4114 |
| 40.0 | 0.67 | 1125 | 1170 | 1215 | 1260 | 1350 | 1440 | 1620 | 1800 | 1980 | 2250 | 2520 | 2700 | 3150 | 3420 | 3600 |
| 45.0 | 0.75 | 1000 | 1040 | 1080 | 1120 | 1200 | 1280 | 1440 | 1600 | 1760 | 2000 | 2240 | 2400 | 2800 | 3040 | 3200 |

** Bucket size : Heaped bucket capacity
*** Cycle time : Refer to the section 16A “Productivity”

## Actual production = Estimated Hourly Production × Bucket Fill Factor × Job Efficiency

### Bucket fill factor (K) (PC78~PC2000)

| Excavating conditions | K |
|---|---|
| Easy excavating | 1.1 ~ 1.2 |
| Average excavating | 1.0 ~ 1.1 |
| Rather difficult excavating | 0.8 ~ 0.9 |
| Difficult excavating | 0.7 ~ 0.8 |

### Job efficiency (E)

| Excavating conditions | E |
|---|---|
| Good | 0.83 |
| Average | 0.75 |
| Rather poor | 0.67 |
| Poor | 0.58 |

### Bucket fill factor (K) (PC3000~PC8000) *4

| Excavating conditions | K |
|---|---|
| Easy excavating | 1.0 |
| Average excavating | 0.95 |
| Severe | 0.9 |

*4:KMG Mining Shovels (Backhoe)



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SECTION **2B**

# LIFTING CAPACITY

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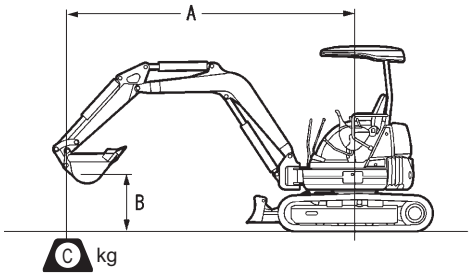

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FVP02090

A : Reach from swing center
B : Bucket hook height
C : Lifting capacity
Cf : Rating over front
Cs : Rating over side
MAX: Rating at maximum reach

## PC14R-3 (Italy source)

Conditions: Bucket (SAE): 0.04 m³, Shoes: 230 mm unit: kg

| A / B | MAX | | 3.0 m | | 2.5 m | | 2.0 m | |
|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 880 mm Blade on ground | | | | | | | | |
| 2.0 m | *220 | 179 | | | 218 | 200 | *225 | *225 |
| 1.0 m | *221 | 143 | | | 266 | 192 | *353 | 267 |
| 0 m | *231 | 147 | | | 299 | 182 | *424 | 249 |
| –1.0 m | *227 | 215 | | | | | *293 | 253 |
| Arm length 1130 mm With blade on ground | | | | | | | | |
| 2.0 m | *184 | 151 | | | *178 | *178 | | |
| 1.0 m | *189 | 123 | *201 | 141 | *235 | 190 | *302 | 268 |
| 0 m | *200 | 125 | *218 | 135 | *290 | 177 | *413 | 243 |
| –1.0 m | *208 | 170 | | | *226 | 177 | *341 | 242 |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on ISO Standard NO. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

## PC16R-3 (Italy source)

Conditions: Bucket (SAE): 0.04 m³, Shoes: 230 mm unit: kg

| A / B | MAX | | 3.0 m | | 2.5 m | | 2.0 m | |
|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 965 mm Blade on ground | | | | | | | | |
| 2.0 m | *279 | 172 | | | *278 | 230 | *286 | *286 |
| 1.0 m | *284 | 142 | *303 | 163 | *364 | 217 | *486 | 299 |
| 0 m | *296 | 146 | *324 | 157 | *426 | 204 | *600 | 278 |
| –1.0 m | *298 | 196 | | | *331 | 206 | *480 | 281 |
| Arm length 1215 mm Blade on ground | | | | | | | | |
| 2.0 m | *242 | 145 | *235 | 168 | *229 | *229 | | |
| 1.0 m | *247 | 122 | *276 | 161 | *324 | 216 | *417 | 302 |
| 0 m | *259 | 125 | *317 | 152 | *412 | 200 | *584 | 273 |
| –1.0 m | *266 | 159 | | | *373 | 197 | *525 | 271 |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on ISO Standard NO. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

## PC18MR-3

Conditions: Boom: 1760 mm (5'7"), Bucket (SAE): 0.044 m³ (0.058 cu.yd), Shoes: 230 mm (9") unit: kg (lb)

| A / B | MAX | | 3.0 m (10') | | 2.0 m (7') | |
|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 965 mm (3'2") Blade on ground with additional counterweight (X-weight) | | | | | | |
| 3.0 m (10') | *355 (780) | *355 (780) | | | | |
| 2.0 m (7') | *315 (700) | 215 (470) | *310 (680) | 235 (520) | | |
| 1.0 m (3') | *320 (710) | 180 (400) | *365 (810) | 230 (510) | *650 (1435) | 420 (930) |
| 0 m (0') | *335 (740) | 185 (410) | *410 (900) | 220 (480) | *805 (1780) | 395 (870) |
| –1.0 m (–3') | *340 (750) | 245 (540) | | | *635 (1400) | 400 (880) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC18MR-3 (Italy source)

Conditions: Boom: 1760 mm, Bucket (SAE): 0.04 m³, Shoes: 230 mm unit: kg

| A / B | MAX | | 3.0 m | | 2.5 m | | 2.0 m | |
|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 965 mm Blade on ground | | | | | | | | |
| 3.0 m | *318 | 188 | *314 | 205 | *318 | 282 | | |
| 1.0 m | *324 | 156 | *367 | 199 | *454 | 265 | *653 | 370 |
| 0 m | *338 | 160 | *412 | 190 | *551 | 249 | *806 | 344 |
| –1.0 m | *342 | 213 | | | *446 | 251 | *635 | 350 |
| Arm length 1215 mm Blade on ground | | | | | | | | |
| 2.0 m | *280 | 162 | *268 | 209 | *257 | *257 | | |
| 1.0 m | *287 | 138 | *336 | 199 | *404 | 267 | *548 | 378 |
| 0 m | *300 | 141 | *404 | *188 | *535 | 248 | *798 | 343 |
| –1.0 m | *310 | 177 | *350 | 188 | *493 | 245 | *704 | 342 |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on ISO standard 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

## PC20MR-3

Conditions: Boom: 1320 mm (6'1"), Bucket (SAE): 0.066 m³ (0.086 cu.yd), Shoes: 250 mm (10") unit: kg (lb)

| A / B | MAX | | 3.0 m (10') | | 2.0 m (7') | |
|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 970 mm (3'2") Blade on ground with additional counterweight (X-weight) | | | | | | |
| 3.0 m (10') | *515 (1135) | 375 (825) | | | | |
| 2.0 m (7') | *545 (1200) | 250 (550) | *525 (1155) | 310 (685) | | |
| 1.0 m (3') | *595 (1310) | 225 (495) | *685 (1510) | 295 (650) | *1310 (2885) | 550 (1215) |
| 0 m (0') | *655 (1445) | 240 (530) | *790 (1745) | 285 (630) | *1535 (3385) | 530 (1170) |
| –1.0 m (–3') | *740 (1630) | 345 (760) | | | *1260 (2780) | 545 (1200) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

## PC22MR-3 (Italy source)

Conditions: Boom: 1320 mm, Bucket (SAE): 0.07 m³, Shoes: 250 mm unit: kg

| A / B | MAX | | 3.0 m | | 2.0 m | |
|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 970 mm Blade on ground | | | | | | |
| 3.0 m | *475 | 360 | | | | |
| 2.0 m | *445 | 255 | *490 | 340 | | |
| 1.0 m | *480 | 230 | *655 | 320 | *1195 | 590 |
| 0 m | *605 | 245 | *810 | 310 | *1570 | 560 |
| –1.0 m | *755 | 330 | | | *1395 | 570 |
| Arm length 1320 mm Blade on ground | | | | | | |
| 3.0 m | *350 | 285 | *325 | *325 | | |
| 2.0 m | *320 | 215 | *365 | *340 | | |
| 1.0 m | *340 | 195 | *565 | 320 | *885 | *610 |
| 0 m | *410 | 205 | *765 | 305 | *1495 | *555 |
| –1.0 m | *625 | 260 | *790 | 300 | *1510 | 550 |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on ISO standard 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.


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## PC27MR-3

Conditions: Boom: 2180 mm (7'2"), Bucket (SAE): 0.08 m³ (0.105 cu.yd), Shoes: 300 mm (12") unit: kg (lb)

| A / B | MAX | | 4.0 m (13') | | 3.0 m (10') | | 2.0 m (7') | |
|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 1100 mm (3'7") Blade on ground with additional counterweight (X-weight) | | | | | | | | |
| 3.0 m (10') | *695 (1530) | 325 (720) | | | *650 (1430) | 425 (940) | | |
| 2.0 m (7') | *705 (1550) | 250 (550) | | | *795 (1750) | 410 (900) | *1215 (2680) | 800 (1760) |
| 1.0 m (3') | *735 (1620) | 230 (510) | *755 (1660) | 240 (530) | *1065 (2350) | 385 (850) | | |
| 0 m (0') | *775 (1710) | 245 (540) | | | *1185 (2610) | 370 (820) | *2230 (4920) | 680 (1500) |
| –1.0 m (–3') | *810 (1790) | 315 (690) | | | *1020 (2250) | 370 (820) | *1820 (4010) | 695 (1530) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

## PC30MR-3

Conditions: Boom: 2285 mm (7'6"), Bucket (SAE): 0.09 m³ (0.12 cu.yd), Shoes: 300 mm (12") unit: kg (lb)

| A / B | MAX | | 4.0 m (13') | | 3.0 m (10') | | 2.0 m (7') | |
|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 1240 mm (4'1") Blade on ground with additional counterweight (X-weight) | | | | | | | | |
| 3.0 m (10') | *825 (1820) | 290 (640) | | | *795 (1750) | 435 (960) | | |
| 2.0 m (7') | *825 (1820) | 225 (500) | *835 (1840) | 250 (550) | *1000 (2200) | 420 (930) | | |
| 1.0 m (3') | *845 (1860) | 210 (460) | *915 (2020) | 240 (530) | *1320 (2910) | 385 (850) | | |
| 0 m (0') | *870 (1920) | 220 (480) | *930 (2050) | 230 (510) | *1440 (3170) | 365 (800) | *2660 (5860) | 680 (1500) |
| –1.0 m (–3') | *880 (1940) | 275 (610) | | | *1250 (2760) | 365 (800) | *2140 (4720) | 695 (1530) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

## PC30MR-3 (Italy source)

Conditions: Boom: 2285 mm, Bucket (SAE): 0.095 m³, Shoes: 300 mm unit: kg

| A / B | MAX | | 4.0 m | | 3.0 m | | 2.0 m | |
|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 1240 mm Blade on ground | | | | | | | | |
| 4.0 m | *920 | 580 | | | | | | |
| 3.0 m | *825 | 320 | | | *795 | 470 | | |
| 2.0 m | *825 | 250 | *835 | 275 | *1005 | 455 | | |
| 1.0 m | *845 | 230 | *920 | 265 | *1325 | 420 | | |
| 0 m | *875 | 245 | *930 | 260 | *1445 | 400 | *2670 | 745 |
| –1.0 m | *885 | 305 | | | *1255 | 405 | *2155 | 760 |
| –2.0 m | *760 | 610 | | | | | | |

| A / B | MAX | | 3.0 m | | 2.5 m | | 2.0 m | |
|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 1610 mm Blade on ground | | | | | | | | |
| 4.0 m | *740 | 425 | | | *700 | 480 | | |
| 3.0 m | *715 | 275 | *710 | 285 | | | | |
| 2.0 m | *730 | 225 | *750 | 285 | *845 | 470 | | |
| 1.0 m | *760 | 210 | *870 | 270 | *1210 | 435 | | |
| 0 m | *795 | 215 | *945 | 260 | *1435 | 405 | *2850 | 745 |
| –1.0 m | *835 | 260 | *835 | 260 | *1370 | 400 | *2490 | 750 |
| –2.0 m | *825 | 415 | | | | | *1575 | 780 |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on ISO standard 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.


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## PC35MR-3

Conditions: Boom: 2540 mm (8'4"), Bucket (SAE): 0.11 m³ (0.14 cu.yd), Shoes: 300 mm (12") unit: kg (lb)

| A / B | MAX | | 4.0 m (13') | | 3.0 m (10') | | 2.0 m (7') | |
|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 1370 mm (4'6") Blade on ground with additional counterweight (X-weight) | | | | | | | | |
| 3.0 m (10') | *690 (1520) | 385 (850) | *710 (1570) | 405 (890) | *705 (1550) | *680 (1500) | | |
| 2.0 m (7') | *710 (1570) | 315 (690) | *770 (1700) | 400 (880) | *960 (2120) | 655 (1440) | | |
| 1.0 m (3') | *845 (1860) | 335 (740) | *880 (1940) | 385 (850) | *1290 (2840) | 610 (1350) | | |
| 0 m (0') | *885 (1950) | 345 (760) | *935 (2060) | 375 (830) | *1430 (3150) | 580 (1280) | *2610 (5750) | 1100 (2420) |
| –1.0 m (–3') | *920 (2030) | 415 (910) | | | *1325 (2920) | 580 (1280) | *2245 (4950) | 1120 (2470) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

## PC35MR-3 (Italy source)

Conditions: Boom: 2540 mm, Bucket (SAE): 0.12 m³, Shoes: 300 mm unit: kg

| A / B | MAX | | 4.0 m | | 3.0 m | | 2.0 m | |
|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 1370 mm Blade on ground | | | | | | | | |
| 4.0 m | *705 | 635 | | | *715 | *715 | | |
| 3.0 m | *700 | 420 | *720 | 440 | *710 | *710 | | |
| 2.0 m | *720 | 350 | *775 | 435 | *965 | 700 | | |
| 1.0 m | *855 | 370 | *890 | 420 | *1300 | 655 | | |
| 0 m | *895 | 385 | *945 | 410 | *1445 | 630 | *2630 | 1190 |
| –1.0 m | *930 | 455 | | | *1335 | 630 | *2260 | 1205 |
| –2.0 m | *900 | 710 | | | | | *1455 | 1245 |

| A / B | MAX | | 3.0 m | | 2.5 m | | 2.0 m | |
|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 1720 mm Blade on ground | | | | | | | | |
| 4.0 m | *630 | 535 | | | *700 | 480 | | |
| 3.0 m | *640 | 385 | *625 | 455 | | | | |
| 2.0 m | *665 | 325 | *700 | 445 | *820 | 720 | | |
| 1.0 m | *700 | 305 | *840 | 430 | *1190 | 670 | | |
| 0 m | *745 | 315 | *935 | 415 | *1420 | 635 | *2780 | 1190 |
| –1.0 m | *795 | 365 | *910 | 410 | *1400 | 630 | *2515 | 1195 |
| –2.0 m | *845 | 525 | | | *1085 | 640 | *1870 | 1225 |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on ISO standard 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

## PC45MR-3

Conditions: Boom: 2630 mm (8'8"), Bucket (SAE): 0.14 m³ (0.18 cu.yd), Shoes: 400 mm (16") unit: kg (lb)

| A / B | MAX | | 4.0 m (13') | | 3.0 m (10') | | 2.0 m (7') | |
|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 1375 mm (4'6") Blade on ground with additional counterweight (X-weight) | | | | | | | | |
| 3.0 m (10') | *1020 (2250) | 585 (1290) | *990 (2180) | 705 (1550) | *990 (2180) | *990 (2180) | | |
| 2.0 m (7') | *1060 (2340) | 500 (1100) | *1155 (2550) | 690 (1520) | *1530 (3370) | 1100 (2430) | | |
| 1.0 m (3') | *1120 (2470) | 480 (1060) | *1380 (3040) | 660 (970) | *2125 (4690) | 1025 (2260) | | |
| 0 m (0') | *1195 (2640) | 505 (1110) | *1505 (3310) | 640 (1410) | *2345 (5170) | 995 (2190) | | |
| –1.0 m (3') | *1280 (2820) | 600 (1320) | *1400 (3090) | 640 (1410) | *2195 (4840) | 995 (2190) | *3010 (6640) | 1965 (4330) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC45MR-3 (Italy source)

Conditions:

Boom: 2630 mm, Bucket (SAE): 0.15 m³, Shoes: 400 mm unit: kg

| A / B | MAX | | 4.0 m | | 3.0 m | | 2.0 m | |
|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 1375 mm Blade on ground | | | | | | | | |
| 4.0 m | *1005 | 775 | | | | | | |
| 3.0 m | *1020 | 555 | *990 | 670 | *990 | *990 | | |
| 2.0 m | *1060 | 475 | *1165 | 655 | *1530 | 1050 | | |
| 1.0 m | *1120 | 450 | *1380 | 625 | *2125 | 975 | | |
| 0 m | *1195 | 475 | *1505 | 605 | *2345 | 940 | | |
| –1.0 m | *1280 | 570 | *1400 | 605 | *2195 | 945 | *3010 | 1875 |
| –2.0 m | *1340 | 900 | | | *1505 | 975 | *2635 | 1935 |
| Arm length 1770 mm Blade on ground | | | | | | | | |
| 4.0 m | *855 | 615 | *805 | 675 | | | | |
| 3.0 m | *880 | 465 | *810 | 680 | | | | |
| 2.0 m | *925 | 405 | *1000 | 655 | *1220 | 1070 | | |
| 1.0 m | *980 | 385 | *1260 | 625 | *1895 | 985 | | |
| 0 m | *1045 | 405 | *1450 | 595 | *2275 | 930 | *1250 | *1250 |
| –1.0 m | *1125 | 470 | *1465 | 585 | *2275 | 920 | *2410 | *2410 |
| –2.0 m | *1215 | 655 | | | *1865 | 935 | *3355 | 1870 |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on ISO standard 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

## PC55MR-3

Conditions:

Boom: 2900 mm (9'6"), Bucket (SAE): 0.16 m³ (0.21 cu.yd), Shoes: 400 mm (16") unit: kg (lb)

| A / B | MAX | | 4.0 m (13') | | 3.0 m (10') | | 2.0 m (7') | |
|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 1640 mm (5'5") Blade on ground with additional counterweight (X-weight) | | | | | | | | |
| 3.0 m (10') | *850 (1870) | 500 (1100) | *845 (1860) | 750 (1650) | | | | |
| 2.0 m (7') | *885 (1950) | 440 (970) | *1050 (2320) | 720 (1590) | *1435 (3160) | 1140 (2510) | | |
| 1.0 m (3') | *930 (2050) | 420 (930) | *1285 (2830) | 680 (1500) | *2030 (4480) | 1045 (2300) | | |
| 0 m (0') | *985 (2170) | 435 (960) | *1435 (3160) | 655 (1440) | *2260 (4980) | 1005 (2220) | | |
| –1.0 m (3') | *1050 (2320) | 500 (1100) | *1415 (3120) | 645 (1420) | *2170 (4780) | 1000 (2200) | *2790 (6150) | 1960 (4320) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.


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## PC55MR-3 (Italy source)

Conditions:

Boom: 2900 mm, Bucket (SAE): 0.15 m³, Shoes: 400 mm unit: kg

| A / B | MAX | | 4.0 m | | 3.0 m | | 2.0 m | |
|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 1640 mm Blade on ground | | | | | | | | |
| 4.0 m | *835 | 670 | *790 | 780 | | | | |
| 3.0 m | *850 | 520 | *845 | 775 | | | | |
| 2.0 m | *885 | 460 | *1050 | 745 | *1435 | 1180 | | |
| 1.0 m | *930 | 440 | *1285 | 705 | *2030 | 1085 | | |
| 0 m | *985 | 455 | *1435 | 680 | *2260 | 1040 | | |
| –1.0 m | *1050 | 520 | *1415 | 670 | *2170 | 1040 | *2790 | 2025 |
| -2.0 m | | | | | | | | |

| A / B | MAX | | 4.0 m | | 3.0 m | | 2.0 m | |
|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2000 mm Blade on ground | | | | | | | | |
| 4.0 m | *730 | 565 | *625 | 625 | | | | |
| 3.0 m | *750 | 450 | *700 | 700 | | | | |
| 2.0 m | *785 | 400 | *915 | 750 | *1160 | 1160 | | |
| 1.0 m | *825 | 385 | *1175 | 705 | *1815 | 1095 | | |
| 0 m | *875 | 395 | *1375 | 670 | *2180 | 1030 | *1285 | *1285 |
| –1.0 m | *935 | 445 | *1420 | 655 | *2205 | 1015 | *2365 | 1975 |
| -2.0 m | | | | | | | | |

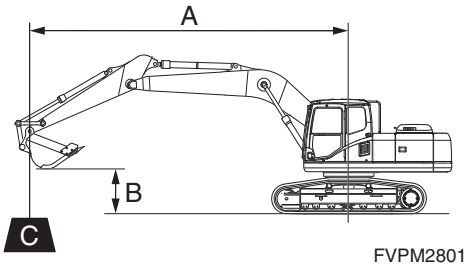
* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on ISO standard 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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FVPM2801

A : Reach from swing center
B : Bucket hook height
C : Lifting capacity
Cf : Rating over front
Cs : Rating over side
MAX: Rating at maximum reach

## PC70-8

Conditions:

Boom: 3710 mm (12'2"), Bucket (SAE): 0.30 m³ (0.39 cu.yd), Shoes: 450 mm (18") unit: kg (lb)

| A / B | MAX | | 5.0 m (16') | | 4.0 m (13') | | 3.0 m (10') | | 2.0 m (7') | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 1650 mm (5'5") Without blade | | | | | | | | | | |
| 4.0 m (13') | 1380 (3040) | 1010 (2230) | | | *1400 (3090) | 1320 (2910) | *1540 (3400) | *1540 (3400) | | |
| 3.0 m (10') | 1140 (2510) | 830 (1830) | 1150 (2540) | 830 (1830) | *1230 (2710) | *1230 (2710) | *1910 (4210) | *1910 (4210) | *2770 (6110) | *2770 (6110) |
| 2.0 m (7') | 1040 (2290) | 750 (1650) | 1140 (2510) | 820 (1810) | 1690 (3730) | 1230 (2710) | *2390 (5270) | 1980 (4370) | | |
| 1.0 m (3') | 1010 (2230) | 720 (1590) | 1110 (2430) | 800 (1760) | 1620 (3570) | 1170 (2580) | 2600 (5732) | 1850 (4080) | | |
| 0 m (0') | 1050 (2320) | 750 (1650) | 1090 (2400) | 780 (1720) | 1580 (3480) | 1130 (2490) | 2520 (5560) | 1780 (3920) | | |
| –1.0 m (–3') | 1190 (2620) | 850 (1870) | | | 1560 (3440) | 1120 (2470) | 2510 (5530) | 1760 (3880) | *3740 (8250) | 3540 (7800) |
| –2.0 m (–7') | 1530 (3370) | 1100 (2430) | | | *1510 (3330) | 1130 (2490) | *2240 (4940) | 1790 (3950) | *3110 (6860) | *3110 (6860) |
| Arm length 1650 mm (5'5") Blade on ground | | | | | | | | | | |
| 4.0 m (13') | *1390 (3060) | 990 (2180) | | | *1400 (3090) | 1300 (2870) | *1540 (3400) | *1540 (3400) | | |
| 3.0 m (10') | *1380 (3040) | 810 (1790) | *1380 (3040) | 820 (1810) | *1230 (2710) | *1230 (2710) | *1910 (4210) | *1910 (4210) | *2770 (6110) | *2770 (6110) |
| 2.0 m (7') | *1390 (3060) | 730 (1610) | *1440 (3180) | 800 (1760) | *1760 (3880) | 1210 (2670) | *2390 (5270) | 1950 (4300) | | |
| 1.0 m (3') | *1410 (3110) | 700 (1540) | *1510 (3330) | 780 (1720) | *1940 (4280) | 1150 (2540) | *2730 (6020) | 1810 (3990) | | |
| 0 m (0') | *1440 (3180) | 730 (1610) | *1500 (3310) | 760 (1680) | *2010 (4430) | 1110 (2450) | *2810 (6200) | 1750 (3860) | | |
| –1.0 m (–3') | *1460 (3220) | 830 (1830) | | | *1910 (4210) | 1090 (2400) | *2660 (5860) | 1730 (3810) | *3740 (8250) | *3740 (8250) |
| –2.0 m (–7') | *1440 (3180) | 1080 (2380) | | | *1510 (3330) | 1110 (2450) | *2240 (4940) | 1760 (3880) | *3110 (6860) | *3110 (6860) |
| Arm length 1650 mm (5'5") Blade above ground | | | | | | | | | | |
| 4.0 m (13') | *1390 (3060) | 990 (2180) | | | *1400 (3090) | 1300 (2870) | *1540 (3400) | *1540 (3400) | | |
| 3.0 m (10') | 1150 (2530) | 810 (1790) | 1150 (2530) | 820 (1810) | *1230 (2710) | *1230 (2710) | *1910 (4210) | *1910 (4210) | *2770 (6110) | *2770 (6110) |
| 2.0 m (7') | 1040 (2290) | 730 (1610) | 1140 (2510) | 800 (1760) | 1690 (3720) | 1210 (2670) | *2390 (5270) | 1950 (4300) | | |
| 1.0 m (3') | 1010 (2220) | 700 (1540) | 1120 (2470) | 780 (1720) | 1630 (3590) | 1150 (2540) | 2610 (5750) | 1810 (3990) | | |
| 0 m (0') | 1050 (2310) | 730 (1610) | 1100 (2420) | 760 (1680) | 1580 (3480) | 1110 (2450) | 2540 (5600) | 1750 (3860) | | |
| –1.0 m (–3') | 1200 (2640) | 830 (1830) | | | 1570 (3460) | 1090 (2400) | 2520 (5550) | 1730 (3810) | *3740 (8250) | *3740 (8250) |
| –2.0 m (–7') | *1440 (3180) | 1080 (2380) | | | *1510 (3330) | 1110 (2450) | *2240 (4940) | 1760 (3880) | *3110 (6860) | *3110 (6860) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on ISO standard No. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC78US-8

Conditions:

Boom: 3710 mm (12'2"), Bucket (SAE): Shoes: 450 mm (18") unit: kg (lb)

| A / B | MAX | | 4.5 m (14') | | 3.0 m (9') | | 1.5 m (4') | |
|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 1650 mm (5'5") Bucket (SAE): 0.28m³ (0.37 cu.yd) Blade less | | | | | | | | |
| 5.0 m (16') | *1780 (3920) | 1430 (3150) | | | *1790 (3960) | *1790 (3960) | | |
| 3.0 m (9') | 1160 (2550) | 860 (1910) | 1500 (3320) | 1130 (2500) | *2300 (5070) | 2280 (5030) | | |
| 0.0 m (0') | 1050 (2310) | 760 (1690) | 1370 (3020) | 1000 (2220) | 2650 (5850) | 1900 (4200) | | |
| –2.0 m (–6') | 1440 (3170) | 1050 (2330) | 1360 (3010) | 1000 (2210) | *2360 (5810) | 1890 (4180) | *4060 (8960) | *4060 (8960) |
| Arm length 2250 mm (7'5") Bucket (SAE): 0.2m³ (0.26 cu.yd) Blade less | | | | | | | | |
| 5.0 m (16') | *1420 (3140) | 1090 (2420) | *1490 (3290) | 1200 (2650) | | | | |
| 3.0 m (9') | 980 (2160) | 720 (1600) | 1540 (3400) | 1170 (2580) | *1870 (4130) | *1870 (4130) | | |
| 0.0 m (0') | 880 (1950) | 640 (1410) | 1370 (3020) | 1000 (2220) | 2660 (5880) | 1920 (4230) | | |
| –2.0 m (–6') | 1120 (2490) | 820 (1810) | 1330 (2930) | 960 (2130) | 2590 (5710) | 1850 (4070) | *4230 (9330) | *4230 (9330) |
| Arm length 1650 mm (5'5") Bucket (SAE): 0.28m³ (0.37 cu.yd) Blade on ground | | | | | | | | |
| 5.0 m (16') | *1780 (3920) | 1500 (3310) | | | *1790 (3960) | *1790 (3960) | | |
| 3.0 m (9') | *1670 (3680) | 910 (2020) | *1780 (3930) | 1190 (2640) | *2300 (5070) | *2300 (5070) | | |
| 0.0 m (0') | *1710 (3770) | 810 (1800) | *2120 (4680) | 1060 (2350) | *3360 (7410) | 2010 (4430) | | |
| –2.0 m (–6') | *1650 (3650) | 1120 (2460) | 1510 (3330) | 1060 (2340) | *2710 (5980) | 2000 (4410) | *4060 (8960) | *4060 (8960) |
| Arm length 2250 mm (7'5") Bucket (SAE): 0.2m³ (0.26 cu.yd) Blade on ground | | | | | | | | |
| 5.0 m (16') | *1420 (3140) | 1150 (2540) | *1490 (3290) | 1260 (2780) | | | | |
| 3.0 m (9') | *1350 (2990) | 770 (1700) | *1570 (3470) | 1230 (2710) | *1870 (4130) | *1870 (4130) | | |
| 0.0 m (0') | *1520 (3360) | 680 (1510) | *2090 (4600) | 1060 (2350) | *3320 (7330) | 2020 (4460) | | |
| –2.0 m (–6') | *1540 (3400) | 870 (1920) | *1880 (4140) | 1020 (2260) | *3010 (6640) | 1950 (4300) | *4230 (9330) | *4230 (9330) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.


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## PC71-7 (India source)

Conditions:

Boom: 3710 mm, Bucket (SAE): 0.30 $m^3$, Shoes: 450 mm unit: kg

| A / B | MAX | | 5.5 m | | 4.5 m | | 3.0 m | | 1.5 m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 1650 mm (5'5") Without blade | | | | | | | | | | |
| 6.0 m | *1550 | *1550 | | | | | | | | |
| 4.5 m | *1350 | 1300 | | | | | *1300 | *1300 | | |
| 3.0 m | 1050 | 900 | | | 1400 | 1200 | *1800 | *1800 | *3150 | *3150 |
| 1.5 m | 950 | 800 | | | 1350 | 1150 | *2500 | 2200 | | |
| 0 m | 950 | 800 | | | 1250 | 1050 | 2400 | 2000 | | |
| –1.5 m | 1200 | 1000 | | | 1250 | 1050 | 2400 | 1950 | *4500 | *4500 |
| –3.0 m | *1400 | *1400 | | | | | *1600 | 1600 | | |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

## PC80MR-3

Conditions:

One piece boom: Bucket (SAE): 0.2 $m^3$, Shoes: 450 mm unit: kg

| A / B | MAX | | 5.0 m | | 4.0 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 1650 mm With blade on ground | | | | | | | | |
| 4.5 m | *1560 | 1090 | | | *1470 | *1460 | | |
| 3.0 m | *1580 | 770 | *1600 | 940 | *1770 | 1390 | | |
| 1.5 m | *1640 | 680 | *1890 | 880 | *2480 | 1260 | | |
| 0.0 m | *1730 | 710 | *2050 | 840 | *2840 | 1180 | | |
| –1.5 m | *1830 | 910 | | | *2510 | 1180 | | |
| Arm length 1650 mm With blade on ground Add. counterweight 230 kg | | | | | | | | |
| 4.5 m | *1560 | 1140 | | | *1470 | *1460 | *1300 | *1300 |
| 3.0 m | *1580 | 820 | *1600 | 990 | *1770 | 1460 | *2180 | *2180 |
| 1.5 m | *1640 | 720 | *1890 | 940 | *2480 | 1330 | *3640 | 2040 |
| 0.0 m | *1730 | 750 | *2050 | 890 | *2840 | 1250 | *4260 | 1930 |
| –1.5 m | *1830 | 960 | | | *2510 | 1250 | *3700 | 1960 |
| Arm length 2000 mm With blade on ground | | | | | | | | |
| 4.5 m | *1400 | 930 | *1380 | 950 | *1200 | *1200 | *900 | *900 |
| 3.0 m | *1330 | 680 | *1440 | 950 | *1540 | 1410 | *1690 | *1690 |
| 1.5 m | *1410 | 610 | *1770 | 890 | *2290 | 1280 | *3670 | 1990 |
| 0.0 m | *1580 | 630 | *2020 | 830 | *2790 | 1170 | *4300 | 1820 |
| –1.5 m | *1690 | 780 | *1840 | 820 | *2640 | 1150 | *3960 | 1820 |
| Arm length 2000 mm With blade on ground Add. counterweight 230 kg | | | | | | | | |
| 4.5 m | *1400 | 980 | *1380 | 1010 | *1200 | 1200 | *900 | *900 |
| 3.0 m | *1330 | 730 | *1440 | 1000 | *1540 | 1480 | *1690 | *1690 |
| 1.5 m | *1410 | 650 | *1770 | 940 | *2290 | 1350 | *3670 | 2090 |
| 0.0 m | *1580 | 670 | *2020 | 880 | *2790 | 1240 | *4300 | 1920 |
| –1.5 m | *1690 | 830 | *1840 | 870 | *2640 | 1220 | *3960 | 1920 |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on ISO Standard NO. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.


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## PC88MR-8

Conditions:

Boom: 3405 mm (11'2"), Shoes: 450 mm (18") unit: kg (lb)

| A / B | MAX | | 4.5 m (14') | | 3.0 m (9') | | 1.5 m (4') | |
|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 1650 mm (5'5") Bucket (SAE): 0.28 $m^3$ (0.37 cu.yd) With blade on ground | | | | | | | | |
| 5.0 m (16') | *1520 (3360) | 1250 (2750) | | | | | | |
| 3.0 m (9') | *1650 (3630) | 790 (1760) | *1760 (3890) | 1280 (2820) | | | | |
| 0 m (0') | *2210 (4890) | 730 (1610) | *3060 (6740) | 1100 (2440) | *3520 (7760) | 2040 (4510) | | |
| –2.0 m (6') | *2770 (6110) | 1040 (2290) | *2960 (6530) | 1100 (2420) | *5210 (11490) | 2070 (4570) | *6110 (13480) | *4930 (10870) |
| Arm length 1650 mm (5'5") Bucket (SAE): 0.28 $m^3$ (0.37 cu.yd) With blade on ground and additional counterweight | | | | | | | | |
| 5.0 m (16') | *1520 (3360) | 1340 (2970) | | | | | | |
| 3.0 m (9') | *1640 (3630) | 870 (1920) | *1760 (3880) | 1380 (3050) | | | | |
| 0 m (0') | *2210 (4880) | 800 (1770) | *3060 (6740) | 1210 (2670) | *3520 (7760) | 2220 (4900) | | |
| –2.0 m (6') | *2770 (6100) | 1130 (2510) | *2960 (6530) | 1200 (2650) | *5210 (11490) | 2250 (4960) | *6110 (13480) | *4930 (10870) |
| Arm length 2100 mm (6'11") Bucket (SAE): 0.20 $m^3$ (0.26 cu.yd) With blade on ground | | | | | | | | |
| 5.0 m (16') | *1310 (2890) | 1040 (2300) | | | | | | |
| 3.0 m (9') | *1430 (3170) | 690 (1530) | *1430 (3160) | 1290 (2850) | | | | |
| 0 m (0') | *1940 (4280) | 620 (1380) | *2860 (6300) | 1070 (2370) | *3980 (8770) | 1990 (4400) | | |
| –2.0 m (6') | *2460 (5430) | 840 (1850) | *3060 (6750) | 1040 (2290) | *5440 (12000) | 1980 (4370) | *4870 (10730) | *3950 (8720) |
| Arm length 2100 mm (6'11") Bucket (SAE): 0.20 $m^3$ (0.26 cu.yd) With blade on ground and additional counterweight | | | | | | | | |
| 5.0 m (16') | *1310 (2890) | 1130 (2490) | | | | | | |
| 3.0 m (9') | *1430 (3170) | 760 (1680) | *1430 (3160) | 1390 (3080) | | | | |
| 0 m (0') | *1940 (4280) | 690 (1530) | *2860 (6300) | 1180 (2600) | *3980 (8770) | 2170 (4790) | | |
| –2.0 m (6') | *2460 (5430) | 920 (2040) | *3060 (6750) | 1140 (2520) | *5440 (12000) | 2160 (4760) | *4870 (10730) | *3950 (8720) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.


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## PC88MR-8 (Itary source)

Conditions:

One-piece boom: 3405 mm, Bucket (SAE): 0.28 $m^3$, Shoes: 450 mm unit: kg

| A / B | MAX | | 4.5 m | | 3.0 m | | 1.5 m | |
|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 1650 mm With blade on ground | | | | | | | | |
| 5.0 m | *1520 | 1250 | | | | | | |
| 3.0 m | *1650 | 790 | *1760 | 1280 | | | | |
| 0.0 m | *2210 | 730 | *3060 | 1100 | *3520 | 2040 | | |
| –2.0 m | *2770 | 1040 | *2960 | 1100 | *5210 | 2070 | *6110 | *4930 |
| Arm length 1650 mm With blade on ground and additional counterweight | | | | | | | | |
| 5.0 m | *1520 | 1340 | | | | | | |
| 3.0 m | *1640 | 870 | *1760 | 1380 | | | | |
| 0.0 m | *2210 | 800 | *3060 | 1100 | *3520 | 2220 | | |
| –2.0 m | *2770 | 1130 | *2960 | 1100 | *5210 | 2250 | *6110 | *4930 |
| Arm length 2100 mm With blade on ground | | | | | | | | |
| 5.0 m | *1310 | 1040 | | | | | | |
| 3.0 m | *1430 | 690 | *1430 | 1290 | | | | |
| 0.0 m | *1940 | 620 | *2860 | 1070 | *3980 | 1990 | | |
| –2.0 m | *2460 | 840 | *3060 | 1040 | *5440 | 1980 | *4870 | *3950 |
| Arm length 2100 mm With blade on ground and additional counterweight | | | | | | | | |
| 5.0 m | *1310 | 1130 | | | | | | |
| 3.0 m | *1430 | 760 | *1430 | 1390 | | | | |
| 0.0 m | *1940 | 690 | *2860 | 1180 | *3980 | 2170 | | |
| –2.0 m | *2460 | 920 | *3060 | 1140 | *5440 | 2160 | *4870 | *3950 |
| Arm length 1650 mm With blade above ground | | | | | | | | |
| 5.0 m | 1520 | 1250 | | | | | | |
| 3.0 m | 980 | 790 | 1560 | 1280 | | | | |
| 0.0 m | 910 | 730 | 1380 | 1100 | 2630 | 2040 | | |
| –2.0 m | 1300 | 1040 | 1370 | 1100 | *2660 | 2070 | *4930 | *4930 |
| Arm length 1650 mm With blade on ground and additional counterweight | | | | | | | | |
| 5.0 m | *1520 | 1340 | | | | | | |
| 3.0 m | 1060 | 870 | 1680 | 1380 | | | | |
| 0.0 m | 990 | 800 | 1500 | 1210 | 2850 | 2220 | | |
| –2.0 m | 1410 | 1130 | 1490 | 1200 | 2880 | 2250 | *4930 | *4930 |
| Arm length 2100 mm With blade above ground | | | | | | | | |
| 5.0 m | 1270 | 1040 | | | | | | |
| 3.0 m | 860 | 690 | *1430 | 1290 | | | | |
| 0.0 m | 790 | 620 | 1350 | 1070 | 2580 | 1990 | | |
| –2.0 m | 1060 | 840 | 1310 | 1040 | 2570 | 1980 | *3950 | *3950 |
| Arm length 2100 mm With blade above ground and additional counterweight | | | | | | | | |
| 5.0 m | *1310 | 1130 | | | | | | |
| 3.0 m | 940 | 760 | *1430 | 1390 | | | | |
| 0.0 m | 870 | 690 | 1470 | 1180 | 2800 | 2170 | | |
| –2.0 m | 1160 | 930 | 1430 | 1140 | 2780 | 2160 | *3950 | *3950 |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC88MR-8 (Itary source)

Conditions:

Two-piece boom: 3405 mm, Bucket (SAE): 0.28 $m^3$, Shoes: 450 mm unit: kg

| A / B | MAX | | 4.5 m | | 3.0 m | | 1.5 m | |
|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 1650 mm With blade on ground | | | | | | | | |
| 5.0 m | *1840 | 760 | | | | | | |
| 3.0 m | *1650 | 520 | *2170 | 1130 | | | | |
| 0.0 m | *1670 | 500 | *2980 | 920 | | | | |
| –2.0 m | *1500 | 700 | *2510 | 950 | *3890 | 1860 | | |
| Arm length 1650 mm With blade on ground and additional counterweight | | | | | | | | |
| 5.0 m | *1840 | 840 | | | | | | |
| 3.0 m | *1650 | 590 | *2170 | 1240 | | | | |
| 0.0 m | *1670 | 570 | *2980 | 1030 | | | | |
| –2.0 m | *1500 | 780 | *2510 | 1050 | *3890 | 2040 | | |
| Arm length 1900 mm With blade on ground | | | | | | | | |
| 5.0 m | *1730 | 690 | | | | | | |
| 3.0 m | *1520 | 490 | *2050 | 1150 | | | | |
| 0.0 m | *1610 | 460 | *2960 | 920 | | | | |
| –2.0 m | *1480 | 640 | *2620 | 920 | *4110 | 1810 | | |
| Arm length 1900 mm With blade on ground and additional counterweight | | | | | | | | |
| 5.0 m | *1730 | 770 | | | | | | |
| 3.0 m | *1520 | 550 | *2050 | 125 | | | | |
| 0.0 m | *1610 | 530 | *2960 | 1020 | | | | |
| –2.0 m | *1480 | 710 | *2620 | 1030 | *4110 | 1990 | | |
| Arm length 1650 mm With blade above ground | | | | | | | | |
| 5.0 m | 960 | 760 | | | | | | |
| 3.0 m | 680 | 520 | 1430 | 1130 | | | | |
| 0.0 m | 660 | 500 | 1200 | 920 | | | | |
| –2.0 m | 900 | 700 | 1230 | 950 | 2460 | 1860 | | |
| Arm length 1650 mm With blade on ground and additional counterweight | | | | | | | | |
| 5.0 m | 1050 | 840 | | | | | | |
| 3.0 m | 750 | 590 | 1540 | 1240 | | | | |
| 0.0 m | 730 | 570 | 1320 | 1030 | | | | |
| –2.0 m | 990 | 780 | 1350 | 1050 | 2670 | 2040 | | |
| Arm length 1900 mm With blade above ground | | | | | | | | |
| 5.0 m | 880 | 690 | | | | | | |
| 3.0 m | 640 | 490 | 1440 | 1150 | | | | |
| 0.0 m | 620 | 460 | 1200 | 920 | | | | |
| –2.0 m | 820 | 640 | 1200 | 920 | 2410 | 1810 | | |
| Arm length 1900 mm With blade above ground and additional counterweight | | | | | | | | |
| 5.0 m | 970 | 770 | | | | | | |
| 3.0 m | 710 | 550 | 1560 | 1250 | | | | |
| 0.0 m | 690 | 530 | 1310 | 1020 | | | | |
| –2.0 m | 910 | 710 | 1320 | 1030 | 2620 | 1990 | | |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC118MR-8 (Itary source)

Conditions:

One-piece boom, Bucket (SAE): 0.38 $m^3$, Shoes: 500 mm unit: kg

| A / B | MAX | | 6.0 m | | 4.5 m | | 3.0 m | | 1.5 m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 1850 mm | | | | | | | | | | |
| 4.5 m | *1730 | 1460 | | | | | | | | |
| 3.0 m | 1420 | 1190 | 1580 | 1320 | *2060 | *2060 | | | | |
| 1.5 m | 1330 | 1110 | 1520 | 1260 | 2430 | 1960 | | | | |
| 0 m | 1390 | 1160 | 1470 | 1220 | 2320 | 1860 | *3300 | 3300 | | |
| –1.5 m | 1700 | 1400 | | | 2300 | 1850 | 4540 | 3320 | *6090 | *6090 |
| Arm length 1850 mm | With additional counterweight: 388 kg | | | | | | | | | |
| 4.5 m | *1730 | 1590 | | | | | | | | |
| 3.0 m | 1570 | 1310 | 1740 | 1440 | *2060 | *2060 | | | | |
| 1.5 m | 1470 | 1220 | 1680 | 1390 | 2660 | 2130 | | | | |
| 0 m | 1540 | 1270 | 1640 | 1350 | 2550 | 2030 | *3300 | 3300 | | |
| –1.5 m | 1880 | 1540 | | | 2530 | 2020 | 4970 | 3600 | *6090 | *6090 |
| Arm length 2000 mm | | | | | | | | | | |
| 4.5 m | *1590 | 1380 | *1560 | 1340 | | | | | | |
| 3.0 m | 1360 | 1140 | 1580 | 1320 | *1910 | *1910 | | | | |
| 1.5 m | 1270 | 1060 | 1510 | 1260 | 2430 | 1960 | | | | |
| 0 m | 1320 | 1100 | 1460 | 1210 | 2310 | 1850 | *3380 | 3270 | | |
| –1.5 m | 1600 | 1320 | | | 2280 | 1830 | 4500 | 3290 | *5480 | *5480 |
| Arm length 2000 mm | With additional counterweight: 388 kg | | | | | | | | | |
| 4.5 m | *1590 | 1500 | *1560 | 1460 | | | | | | |
| 3.0 m | 1500 | 1250 | 1740 | 1440 | *1910 | *1910 | | | | |
| 1.5 m | 1410 | 1170 | 1670 | 1380 | 2660 | 2130 | | | | |
| 0 m | 1470 | 1210 | 1620 | 1330 | 2540 | 2020 | *3380 | *3380 | | |
| –1.5 m | 1780 | 1450 | | | 2510 | 2000 | 4930 | 3570 | *5480 | *5480 |
| Arm length 2300 mm | | | | | | | | | | |
| 4.5 m | *1360 | 1260 | *1390 | 1350 | | | | | *1630 | *1630 |
| 3.0 m | 1250 | 1050 | 1580 | 1320 | *1620 | *1620 | | | | |
| 1.5 m | 1170 | 980 | 1510 | 1250 | 2440 | 1960 | | | | |
| 0 m | 1220 | 1010 | 1450 | 1200 | 2300 | 1840 | *3560 | 3250 | | |
| –1.5 m | 1440 | 1190 | 1440 | 1190 | 2250 | 1790 | 4440 | 3230 | *3370 | *3370 |
| Arm length 2300 mm | With additional counterweight: 388 kg | | | | | | | | | |
| 4.5 m | *1360 | *1360 | *1390 | *1390 | | | | | *1630 | *1630 |
| 3.0 m | *1370 | 1160 | *1600 | 1440 | *1620 | *1620 | | | | |
| 1.5 m | 1310 | 1080 | 1670 | 1370 | 2650 | 2130 | | | | |
| 0 m | 1360 | 1120 | 1610 | 1320 | 2530 | 2010 | *3560 | 3530 | | |
| –1.5 m | 1600 | 1310 | 1600 | 1310 | 2480 | 1960 | 4880 | 3520 | *3770 | *3770 |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.


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## PC130-8

Conditions:

Boom: 4600 mm (15'1"), Bucket (SAE): 0.50 m³ (0.65 cu.yd), Shoes: 500 mm (20") unit: kg (lb)

| A / B | MAX | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | | 1.5 m (5') | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2500 mm (8'2") | | | | | | | | | | |
| 6.1 m (20') | *1950 (4300) | *1950 (4300) | | | | | | | | |
| 4.6 m (15') | *1800 (4000) | 1650 (3600) | 2850 (6200) | 1950 (4300) | *3100 (6900) | *3100 (6900) | | | | |
| 3.0 m (10') | *1800 (4000) | 1400 (3100) | 2750 (6100) | 1900 (4200) | *3900 (8600) | 3100 (6900) | *5000 (11100) | *5000 (11100) | | |
| 1.5 m (5') | 1950 (4300) | 1300 (2800) | 2700 (5900) | 1800 (4000) | 4300 (9500) | 2900 (6400) | *7700 (17000) | 5500 (12100) | | |
| 0 m (0') | 1950 (4400) | 1300 (2900) | 2600 (5700) | 1700 (3800) | 4100 (9100) | 2700 (6000) | 8350 (18400) | 5100 (11200) | | |
| –1.5 m (–5') | 2200 (4800) | 1450 (3200) | 2550 (5600) | 1700 (3700) | 3900 (8600) | 2500 (5600) | 8200 (18100) | 5000 (11000) | *4750 (10400) | *4750 (10400) |
| –3.0 m (–10') | 2800 (6200) | 1850 (4100) | | | 4050 (8900) | 2650 (5800) | *7850 (17400) | 5050 (11100) | *8000 (17700) | *8000 (17700) |
| Arm length 3000 mm (9'10") | | | | | | | | | | |
| 6.1 m (20') | *1500 (3400) | *1500 (3400) | *1850 (4100) | *1850 (4100) | | | | | | |
| 4.6 m (15') | *1400 (3100) | 1400 (3100) | *2700 (6000) | 1950 (4300) | | | | | | |
| 3.0 m (10') | *1400 (3100) | 1200 (2600) | 2750 (6100) | 1900 (4200) | *3400 (7400) | 3150 (6900) | | | | |
| 1.5 m (5') | *1500 (3300) | 1100 (2400) | 2650 (5900) | 1800 (3900) | 4350 (9600) | 2900 (6400) | *6650 (14700) | 5500 (12100) | | |
| 0 m (0') | 1700 (3800) | 1100 (2400) | 2550 (5600) | 1700 (3700) | 4100 (9000) | 2700 (5900) | 8350 (18400) | 5050 (11200) | | |
| –1.5 m (–5') | 1900 (4100) | 1200 (2700) | 2500 (5500) | 1600 (3600) | 3850 (8500) | 2450 (5400) | 8100 (17800) | 4850 (10700) | *4150 (9100) | *4150 (9100) |
| –3.0 m (–10') | 2300 (5100) | 1500 (3300) | 2500 (5500) | 1600 (3600) | 3900 (8600) | 2550 (5600) | 8100 (17900) | 4850 (10700) | *6750 (14900) | *6750 (14900) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.


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## PC130-8 (UK source)

Conditions:

Mono boom: 4600 mm (15'1"), Bucket (SAE): 0.56 m³ (0.73 cu.yd), Shoes: 700 mm (27.6") unit: kg (lb)

| A / B | MAX | | 6.0 m (20') | | 4.5 m (15') | | 3.0 m (10') | | 1.5 m (5') | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2100 mm (6'11") | | | | | | | | | | |
| 6.0 m (20') | *2400 (5300) | *2400 (5300) | | | *3400 (7500) | *3400 (7500) | | | | |
| 4.5 m (15') | *2250 (4950) | 2000 (4400) | 2950 (6500) | 2200 (4850) | *3550 (7800) | *3550 (7800) | | | | |
| 3.0 m (10') | *2250 (4950) | 1700 (3750) | 2950 (6500) | 2150 (4700) | *4350 (9550) | 3450 (7600) | *6000 (13200) | *6000 (13200) | | |
| 1.5 m (5') | 2200 (4850) | 1550 (3400) | 2850 (5250) | 2050 (4500) | 4550 (10000) | 3250 (7150) | *8550 (18800) | 6000 (13200) | | |
| 0 m (0') | 2250 (4950) | 1600 (3500) | 2750 (6050) | 2000 (4400) | 4250 (9350) | 3050 (6700) | *7400 (16300) | 5650 (12450) | | |
| –1.5 m (–5') | 2550 (5600) | 1800 (3950) | 2750 (6050) | 1950 (4300) | 4150 (9100) | 3000 (6600) | 8750 (19250) | 5600 (12300) | *4750 (10450) | *4750 (10450) |
| –3.0 m (–10') | 3300 (7250) | 2350 (5150) | | | 4300 (9450) | 3000 (6600) | *7550 (16600) | 5750 (12650) | *8800 (19350) | *8800 (19350) |
| Arm length 2500 mm (8'2") | | | | | | | | | | |
| 6.0 m (20') | *1950 (4300) | *1950 (4300) | | | | | | | | |
| 4.5 m (15') | *1800 (3950) | 1700 (3750) | 3000 (6600) | 2250 (4950) | *3150 (6900) | *3150 (6900) | | | | |
| 3.0 m (10') | *1850 (4050) | 1550 (3400) | 2950 (6500) | 2200 (4850) | *3950 (8700) | 3550 (7800) | *5200 (11450) | *5200 (11450) | | |
| 1.5 m (5') | *1950 (4300) | 1450 (3200) | 2850 (6250) | 2100 (4600) | 4550 (10000) | 3300 (7250) | *7900 (17400) | 6150 (13500) | | |
| 0 m (0') | 2050 (4500) | 1450 (3200) | 2750 (6050) | 2000 (4400) | 4250 (9350) | 3000 (6600) | *8050 (17700) | 5700 (12550) | | |
| –1.5 m (–5') | 2250 (4950) | 1600 (3500) | 2700 (5950) | 1950 (4300) | 4250 (9350) | 3000 (6600) | 8700 (19150) | 5600 (12300) | *4700 (10350) | *4700 (10350) |
| –3.0 m (–10') | 2850 (6250) | 2050 (4500) | | | 4250 (9350) | 2950 (6500) | *8050 (17700) | 5700 (12550) | *7850 (17250) | *7850 (17250) |
| Arm length 3000 mm (9'10") | | | | | | | | | | |
| 6.0 m (20') | *1550 (3400) | *1550 (3400) | *2200 (4850) | 2250 (4950) | | | | | | |
| 4.5 m (15') | *1450 (3200) | 1450 (3200) | *2750 (6050) | 2250 (4950) | | | | | | |
| 3.0 m (10') | *1450 (3200) | 1350 (2950) | 2950 (6500) | 2200 (4850) | *3450 (7600) | *3450 (7600) | | | | |
| 1.5 m (5') | *1550 (3400) | 1250 (2750) | 2800 (6150) | 2050 (4500) | *4550 (10000) | 3300 (7250) | *6800 (14950) | 6250 (13750) | | |
| 0 m (0') | *1750 (3850) | 1250 (2750) | 2700 (5950) | 1950 (4300) | 4300 (9450) | 3050 (6700) | 8800 (19350) | 5650 (12400) | | |
| –1.5 m (–5') | 1950 (4300) | 1350 (2950) | 2650 (5800) | 1850 (4050) | 4050 (8900) | 2900 (6400) | 8550 (18800) | 5450 (12000) | *4100 (9000) | *4100 (9000) |
| –3.0 m (–10') | 2350 (5150) | 1650 (3600) | 2600 (5700) | 1850 (4050) | 4050 (8900) | 2900 (6400) | *8450 (18600) | 5500 (12100) | *6650 (14600) | *6650 (14600) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC130-8 (Brazil source)

Conditions:

Boom: 4600 mm, Bucket(SAE): 0.60 m³ Shoes: 700 mm unit: kg

| A / B | MAX | | 6.0 m | | 4.5 m | | 3.0 m | | 1.5 m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2500 mm | | | | | | | | | | |
| 6.0 m | *1950 | *1950 | | | | | | | | |
| 4.5 m | *1800 | 1700 | 3000 | 2250 | *3150 | *3150 | | | | |
| 3.0 m | *1850 | 1550 | 2950 | 2200 | *3950 | 3550 | *5200 | *5200 | | |
| 1.5 m | *1950 | 1450 | 2850 | 2100 | 4550 | 3300 | *7900 | 6150 | | |
| 0 m | 2050 | 1450 | 2750 | 2000 | 4250 | 3000 | *8050 | 5700 | | |
| –1.5 m | 2250 | 1600 | 2700 | 1950 | 4250 | 3000 | 8700 | 5600 | *4700 | *4700 |
| –3.0 m | 2850 | 2050 | | | 4250 | 2950 | *8050 | 5700 | *7850 | *7850 |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

## PC130-7 (India source)

Conditions:

Boom: 4600 mm, Bucket(SAE): 0.64 m³ Shoes: 500 mm unit: kg

| A / B | MAX | | 6.0 m | | 4.5 m | | 3.0 m | | 1.5 m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2100 mm | | | | | | | | | | |
| 6.0 m | *2600 | 2350 | | | *3150 | 3050 | | | | |
| 4.5 m | *2400 | 1650 | 2600 | 1750 | *3300 | 3000 | | | | |
| 3.0 m | 2050 | 1350 | 2600 | 1700 | *4000 | 2850 | *5600 | *5600 | | |
| 1.5 m | 1900 | 1200 | 2500 | 1600 | 4000 | 2600 | *6300 | 4850 | | |
| 0 m | 1950 | 1250 | 2400 | 1500 | 3800 | 2400 | *5800 | 4500 | | |
| –1.5 m | 2200 | 1400 | 2350 | 1500 | 3700 | 2350 | *5850 | 4450 | *5450 | *5450 |
| –3.0 m | 2900 | 1850 | | | 3750 | 2350 | *6400 | 4550 | *5800 | *5800 |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC138US-8

Conditions:

Boom: 4600 mm (15'1"), Bucket (SAE) 0.50 m³ (0.65 cu.yd), Shoes: 500 mm (20") unit: kg (lb)

| A / B | MAX | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2100 mm (6'11") | | | | | | | | |
| 6.1 m (20') | *2100 (4650) | *2100 (4650) | | | *3240 (7150) | 3120 (6890) | | |
| 3.0 m (10') | *1950 (4310) | 1510 (3340) | 2850 (6290) | 1810 (4000) | *4630 (10220) | 2940 (6500) | *6480 (14300) | 5720 (12620) |
| 0.0 m (0') | 2310 (5090) | 1420 (3140) | 2700 (5950) | 1670 (3680) | 4240 (9360) | 2590 (5710) | *5570 (12280) | 4800 (10590) |
| –3.0 m (–10') | 3500 (7710) | 2160 (4770) | | | 4230 (9340) | 2580 (5700) | *6270 (13830) | 4880 (10770) |
| Arm length 2500 mm (8'2") | | | | | | | | |
| 6.1 m (20') | *1690 (3730) | *1690 (3730) | | | *3060 (6750) | *3060 (6750) | | |
| 3.0 m (10') | *1580 (3490) | 1370 (3040) | 2880 (6350) | 1830 (4040) | *4320 (9530) | 2990 (6600) | *5770 (12720) | *5770 (12720) |
| 0.0 m (0') | *1940 (4280) | 1290 (2850) | 2690 (5950) | 1660 (3680) | 4260 (9390) | 2600 (5730) | *5630 (12420) | 4840 (10670) |
| –3.0 m (–10') | 3000 (6630) | 1850 (4090) | | | 4180 (9230) | 2540 (5600) | *6040 (13330) | 4820 (10640) |
| Arm length 3000 mm (9'10") | | | | | | | | |
| 6.1 m (20') | *1380 (3050) | *1380 (3050) | *1580 (3480) | *1580 (3480) | *2690 (5940) | *2690 (5940) | | |
| 3.0 m (10') | *1280 (2830) | 1200 (2660) | 2900 (6390) | 1850 (4080) | *3740 (8250) | 3040 (6700) | *3690 (8150) | *3690 (8150) |
| 0.0 m (0') | *1530 (3310) | 1120 (2480) | 2670 (5900) | 1640 (3630) | 4240 (9360) | 2580 (5700) | *5990 (13200) | 4830 (10660) |
| –3.0 m (–10') | 2510 (5540) | 1530 (3370) | 2620 (5780) | 1590 (3520) | 4100 (9040) | 2450 (5410) | *5990 (13210) | 4680 (10330) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC138US-8 (UK source)

Conditions: One-piece boom: 4600 mm, Bucket (SAE) : 0.50 m³, Shoes: 500 mm unit :kg

| A / B | MAX | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | | 1.5 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3000 mm | | | | | | | | | | | | |
| 6.0 m | *1620 | *1620 | | | | | *2810 | *2810 | | | | |
| 4.5 m | *1510 | 1480 | | | *2880 | 1930 | *3040 | *3040 | | | | |
| 3.0 m | *1530 | 1260 | 2240 | 1380 | 2960 | 1870 | *3730 | 3090 | *4970 | *4970 | | |
| 1.5 m | *1630 | 1170 | 2190 | 1330 | 2850 | 1770 | 4600 | 2850 | *7270 | 5430 | | |
| 0 m | *1860 | 1180 | 2130 | 1280 | 2750 | 1680 | 4380 | 2650 | *7350 | 4990 | | |
| –1.5 m | 2740 | 1660 | | | 2690 | 1620 | 4270 | 2550 | *8020 | 4870 | *4070 | *4070 |
| –3.0 m | *2500 | *2500 | | | | | 4270 | 2550 | *6770 | 4920 | *6870 | *6870 |
| –4.5 m | *4800 | 2950 | | | | | | | *4180 | *4180 | | |
| Arm length 2500 mm | | | | | | | | | | | | |
| 6.0 m | *2060 | *2060 | | | | | *3270 | 3220 | | | | |
| 4.5 m | *1920 | 1730 | | | *2890 | 1890 | *3460 | 3200 | *3960 | *3960 | | |
| 3.0 m | *1950 | 1450 | | | 2940 | 1860 | *4140 | 3050 | *5870 | *5870 | | |
| 1.5 m | *2120 | 1350 | | | 2850 | 1780 | 4590 | 2840 | *7960 | 5330 | | |
| 0 m | 2250 | 1370 | | | 2780 | 1710 | 4300 | 2580 | *6750 | 5030 | | |
| –1.5 m | 2540 | 1550 | | | 2740 | 1680 | 4340 | 2620 | *7740 | 4990 | *4710 | *4710 |
| –3.0 m | *3130 | 2060 | | | | | *4160 | 2650 | *6140 | 5090 | *8310 | *8310 |
| –4.5 m | | | | | | | | | | | | |
| Arm length 2100 mm | | | | | | | | | | | | |
| 6.0 m | *2620 | *2620 | | | | | *3530 | 3150 | *3860 | *3860 | | |
| 4.5 m | *2420 | 1950 | | | | | *3780 | 3150 | *4560 | *4560 | | |
| 3.0 m | *2460 | 1610 | | | 2910 | 1830 | *4420 | 3000 | *6530 | 5820 | | |
| 1.5 m | 2410 | 1490 | | | 2840 | 1770 | 4550 | 2810 | | | | |
| 0 m | 2480 | 1520 | | | 2780 | 1710 | 4260 | 2560 | *6240 | 5000 | | |
| –1.5 m | 2850 | 1750 | | | | | 4230 | 2530 | *7300 | 5020 | *5280 | *5280 |
| –3.0 m | *3190 | 2430 | | | | | *3660 | 2700 | *5440 | 5150 | | |
| –4.5 m | | | | | | | | | | | | |

Conditions: Two-piece boom: Bucket (SAE): 0.5 m³, Shoes: 500 mm unit :kg

| A / B | MAX | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | | 1.5 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2500 mm | | | | | | | | | | | | |
| 7.5 m | *2500 | *2500 | | | | | | | | | | |
| 6.0 m | *2050 | *2050 | | | | | *3100 | *3100 | | | | |
| 4.5 m | *1900 | 1550 | | | 2750 | 2050 | *3350 | *3350 | | | | |
| 3.0 m | 1800 | 1300 | | | 2700 | 1950 | *4100 | 3250 | *5850 | *5850 | | |
| 1.5 m | 1700 | 1200 | 1700 | 1200 | 2550 | 1850 | 4200 | 3000 | | | | |
| 0 m | 1700 | 1200 | 1700 | 1200 | 2450 | 1750 | 4000 | 2800 | | | | |
| –1.5 m | 1900 | 1350 | | | 2400 | 1700 | 3900 | 2700 | *7500 | 4600 | | |
| –3.0 m | 2400 | 1700 | | | 2450 | 1700 | 3900 | 2700 | *7450 | 5300 | | |
| Arm length 2100 mm | | | | | | | | | | | | |
| 7.5 m | *3200 | *3200 | | | | | | | | | | |
| 6.0 m | *2500 | 2350 | | | | | *3500 | *3500 | | | | |
| 4.5 m | *2350 | 1700 | | | 2700 | 2000 | *3700 | 3450 | | | | |
| 3.0 m | 2000 | 1450 | | | 2650 | 1950 | 4350 | 3200 | *6550 | 6300 | | |
| 1.5 m | 1850 | 1350 | | | 2550 | 1850 | 4150 | 2950 | | | | |
| 0 m | 1900 | 1350 | | | 2450 | 1750 | 3950 | 2750 | | | | |
| –1.5 m | 2150 | 1500 | | | 2450 | 1750 | 3900 | 2700 | *7750 | 4650 | | |
| –3.0 m | 2800 | 2000 | | | | | 3950 | 2750 | *6850 | 5400 | | |

Conditions: Offset boom: Bucket (SAE): 0.5 m³, Shoes: 500 mm unit :kg

| A / B | MAX | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | | 1.5 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2100 mm | | | | | | | | | | | | |
| 6.0 m | *2140 | *2140 | | | | | | | *3130 | *3130 | | |
| 4.5 m | *2060 | *2060 | | | *2210 | 1810 | *3210 | *3210 | *3160 | *3160 | | |
| 3.0 m | *2190 | 1750 | | | *2890 | 1790 | *3780 | 3030 | *5070 | *5070 | | |
| 1.5 m | *2530 | 1540 | | | 2770 | 1670 | 4520 | 2740 | | | | |
| 0 m | 2590 | 1530 | | | 2650 | 1570 | 4250 | 2500 | | | | |
| –1.5 m | 2990 | 1750 | | | | | 4130 | 2390 | *7590 | 4600 | | |
| –3.0 m | *4090 | 2560 | | | | | *3780 | 2450 | *6160 | 4740 | *8020 | *8020 |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC138USLC-10 (for USA)

Conditions:

Boom: 4600 mm (15'1"), Bucket (SAE): 0.50 m³ (0.65 cu.yd), Shoes: 600 mm (24") unit: kg (lb)

| A / B | MAX | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2500 mm (8'2") | | | | | | | | |
| 6.1 m (20') | *1690 (3730) | *1690 (3730) | | | *3060 (6750) | *3060 (6750) | | |
| 3.0 m (10') | *1580 (3480) | 1580 (3480) | 3550 (2830) | 2120 (4670) | *4320 (9520) | 3400 (7500) | *5770 (12720) | *5770 (12720) |
| 0.0 m (0') | *1940 (4280) | 1530 (3370) | 3360 (7410) | 1950 (4300) | 5310 (11710) | 3010 (6640) | *5630 (12420) | 5570 (12280) |
| –3.0 m (–10') | 3480 (7670) | 2170 (4780) | | | 4870 (10740) | 2950 (6500) | *6040 (13320) | 5550 (12240) |
| Arm length 3000 mm (9'10") | | | | | | | | |
| 6.1 m (20') | *1380 (3040) | *1380 (3040) | *1580 (3480) | *1580 (3480) | *2690 (5930) | *2690 (5930) | | |
| 3.0 m (10') | *1280 (2820) | 1280 (2820) | 3290 (7250) | 2140 (4720) | *3740 (8250) | 3450 (7610) | *3690 (8140) | *3690 (8140) |
| 0.0 m (0') | *1530 (3370) | 1340 (2950) | 3350 (7390) | 1930 (4260) | 5300 (11680) | 3000 (6610) | *5990 (13210) | 5560 (12320) |
| –3.0 m (–10') | 2550 (5620) | 1810 (3990) | 3290 (7250) | 1880 (4150) | 5150 (11350) | 2870 (6330) | *5990 (13210) | 5410 (11930) |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC160LC-8

Conditions:

Boom: 5150 mm (16'11"), Bucket (SAE): 0.65 m³ (0.85 cu.yd), Shoes: 500 mm (20") unit: kg (lb)

| A / B | MAX | | 7.5 m (25') | | 6.0 m (20') | | 4.5 m (15') | | 3.0 m (10') | | 1.5 m (4') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2250 mm (7'5") | | | | | | | | | | | | |
| 7.5 m (24') | *2700 (6000) | *2700 (6000) | | | | | | | | | | |
| 6.0 m (19') | *2400 (5300) | *2400 (5300) | | | *3250 (7200) | 2850 (6300) | | | | | | |
| 4.5 m (14') | *2350 (5200) | 2050 (4600) | | | *4450 (9800) | 2850 (6200) | *5000 (11000) | 4650 (10200) | | | | |
| 3.0 m (9') | *2450 (5400) | 1800 (4000) | | | 4450 (9800) | 2700 (6000) | *6300 (13900) | 4300 (9500) | *9700 (21400) | 8150 (18000) | | |
| 0 m (0') | 2950 (6600) | 1700 (3800) | | | 4150 (9200) | 2400 (5400) | 6550 (14500) | 3750 (8200) | *6750 (14900) | *6750 (14900) | | |
| –3.0 m (–9') | 4200 (9300) | 2450 (5400) | | | | | 6550 (14500) | 3700 (8200) | *10500 (23100) | 7100 (15700) | *10250 (22700) | *10250 (22700) |
| –4.5 m (–14') | *4850 (10700) | 4200 (9200) | | | | | | | *7050 (15600) | *7050 (15600) | | |
| Arm length 2610 mm (8'7") | | | | | | | | | | | | |
| 7.5 m (24') | *2200 (4900) | *2200 (4900) | | | | | | | | | | |
| 6.0 m (19') | *2000 (4400) | *2000 (4400) | | | *3350 (7400) | 2900 (6400) | | | | | | |
| 4.5 m (14') | *2000 (4400) | 1900 (4200) | | | *4200 (9200) | 2850 (6300) | | | | | | |
| 3.0 m (9') | *2050 (4600) | 1650 (3700) | 3050 (6700) | 1800 (4000) | 4500 (9900) | 2750 (6000) | *5900 (13000) | 4400 (9700) | *8700 (19200) | 8450 (18600) | | |
| 0 m (0') | *2650 (5900) | 1600 (3500) | 2900 (6400) | 1700 (3700) | 4150 (9200) | 2450 (5400) | 6600 (14600) | 3750 (8300) | *7350 (16200) | 6950 (15400) | | |
| –3.0 m (–9') | 3800 (8400) | 2200 (4900) | | | 4100 (9100) | 2400 (5300) | 6500 (14400) | 3650 (8100) | *11150 (24500) | 7050 (15600) | *9200 (20300) | *9200 (20300) |
| –4.5 m (–14') | *4950 (11000) | 3450 (7600) | | | | | *5550 (12200) | 3850 (8500) | *8200 (18000) | 7350 (16200) | | |
| Arm length 2900 mm (9'6") | | | | | | | | | | | | |
| 7.5 m (24') | *1900 (4200) | *1900 (4200) | | | | | | | | | | |
| 6.0 m (19') | *1750 (3800) | *1750 (3800) | | | *3250 (7200) | 2950 (6500) | | | | | | |
| 4.5 m (14') | *1700 (3800) | *1700 (3800) | *2250 (4900) | 1850 (4100) | *3900 (8600) | 2850 (6300) | | | | | | |
| 3.0 m (9') | *1800 (3900) | 1550 (3400) | 3050 (6700) | 1800 (4000) | 4500 (9900) | 2700 (6000) | *5500 (12200) | 4400 (9700) | *7850 (17300) | *7850 (17300) | | |
| 0 m (0') | *2250 (5000) | 1450 (3200) | 2850 (6300) | 1650 (3600) | 4100 (9100) | 2400 (5300) | 6600 (14500) | 3700 (8200) | *7650 (16900) | 6950 (15300) | | |
| –3.0 m (–9') | 3450 (7600) | 1950 (4400) | | | 4050 (8900) | 2300 (5100) | 6400 (14200) | 3600 (7900) | *11500 (25300) | 6900 (15300) | *8400 (18500) | *8400 (18500) |
| –4.5 m (–14') | *4800 (10600) | 2950 (6500) | | | | | *6050 (13300) | 3700 (8200) | *8900 (19600) | 7200 (15800) | | |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC160LC-8 (UK source)

Conditions: One-piece boom: 5150 mm, Bucket (SAE) : 0.65m³, Shoes: 500 mm unit: kg

| A / B | MAX | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | | 1.5 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2250 mm | | | | | | | | | | | | |
| 6.0 m | *2400 | *2400 | | | *3250 | 2850 | | | | | | |
| 4.5 m | *2350 | 2050 | | | *4450 | 2850 | *5000 | 4650 | | | | |
| 3.0 m | *2450 | 1800 | | | 4450 | 2700 | *6300 | 4300 | *9700 | 8150 | | |
| 1.5 m | *2700 | 1700 | 2950 | 1750 | 4300 | 2550 | 6700 | 3850 | | | | |
| 0 m | 2950 | 1700 | | | 4150 | 2400 | 6550 | 3750 | *6750 | *6750 | | |
| –1.5 m | 3300 | 1950 | | | 4100 | 2400 | 6500 | 3650 | *10600 | 6950 | *6200 | *6200 |
| –3.0 m | 4200 | 2450 | | | | | 6550 | 3700 | *10500 | 7100 | *10250 | *10250 |
| –4.5 m | *4850 | 4200 | | | | | | | *7050 | *7050 | | |
| Arm length 2600 mm | | | | | | | | | | | | |
| 6.0 m | *2000 | *2000 | | | *3350 | 2900 | | | | | | |
| 4.5 m | *2000 | 1900 | | | *4200 | 2850 | | | | | | |
| 3.0 m | *2050 | 1650 | 3050 | 1800 | 4500 | 2750 | *5900 | 4400 | *8700 | 8450 | | |
| 1.5 m | *2300 | 1600 | 3000 | 1750 | 4300 | 2550 | 6900 | 4000 | *7850 | 7350 | | |
| 0 m | *2650 | 1600 | 2900 | 1700 | 4150 | 2450 | 6600 | 3750 | *7350 | 6950 | | |
| –1.5 m | 3050 | 1750 | | | 4100 | 2350 | 6500 | 3650 | *10150 | 6950 | *5800 | *5800 |
| –3.0 m | 3800 | 2200 | | | 4100 | 2400 | 6500 | 3650 | *11150 | 7050 | *9200 | *9200 |
| –4.5 m | *4950 | 3450 | | | | | *5550 | 3850 | *8200 | 7350 | | |
| Arm length 2900 mm | | | | | | | | | | | | |
| 6.0 m | *1750 | *1750 | | | *3250 | 2950 | | | | | | |
| 4.5 m | *1700 | *1700 | *2250 | 1850 | *3900 | 2850 | | | | | | |
| 3.0 m | *1800 | 1550 | 3050 | 1800 | 4500 | 2700 | *5500 | 4400 | *7850 | *7850 | | |
| 1.5 m | *1950 | 1450 | 2950 | 1700 | 4300 | 2550 | 6900 | 4000 | *10000 | 7450 | | |
| 0 m | *2250 | 1450 | 2850 | 1650 | 4100 | 2400 | 6600 | 3700 | *7650 | 6950 | | |
| –1.5 m | *2800 | 1600 | 2850 | 1600 | 4050 | 2300 | 6400 | 3600 | *9750 | 6800 | *5400 | *5400 |
| –3.0 m | 3450 | 1950 | | | 4050 | 2300 | 6400 | 3600 | *11500 | 6900 | *8400 | *8400 |
| –4.5 m | *4800 | 2950 | | | | | *6050 | 3700 | *8900 | 7200 | | |

Conditions: Two-piece boom: 5069 mm, Bucket (SAE): 0.65m³, Shoes: 500 mm unit: kg

| A / B | MAX | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | | 1.5 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2250 mm | | | | | | | | | | | | |
| 7.5 m | *3050 | *3050 | | | | | *3350 | *3350 | | | | |
| 6.0 m | *2650 | *2650 | | | *2900 | 2850 | *5100 | 4900 | | | | |
| 4.5 m | *2550 | 2100 | | | 4650 | 2800 | *6350 | 4650 | | | | |
| 3.0 m | *2650 | 1800 | | | 4450 | 2650 | 7250 | 4250 | *14050 | 8000 | | |
| 1.5 m | *2850 | 1700 | | | 4250 | 2350 | 6750 | 3800 | | | | |
| 0 m | 3050 | 1700 | | | 4100 | 2300 | 6450 | 3550 | *7100 | 6550 | | |
| –1.5 m | 3400 | 1900 | | | 4050 | 2250 | 6350 | 3450 | *11000 | 6600 | | |
| –3.0 m | | | | | | | *5650 | 3550 | | | | |
| Arm length 2600 mm | | | | | | | | | | | | |
| 7.5 m | *2500 | *2500 | | | | | *3550 | *3550 | | | | |
| 6.0 m | *2200 | *2200 | | | *3300 | 2950 | | | | | | |
| 4.5 m | *2150 | 1950 | | | *4600 | 2850 | *5300 | 4750 | | | | |
| 3.0 m | *2200 | 1700 | *2850 | 1750 | 4500 | 2650 | 7350 | 4300 | *13200 | 8300 | | |
| 1.5 m | *2400 | 1550 | 2950 | 1600 | 4250 | 2350 | 6800 | 3850 | *8300 | 7000 | | |
| 0 m | *2750 | 1600 | 2850 | 1600 | 4050 | 2300 | 6450 | 3550 | *7800 | 6550 | | |
| –1.5 m | 3150 | 1750 | | | 4000 | 2250 | 6300 | 3450 | *10900 | 6550 | | |
| –3.0 m | 3950 | 2200 | | | 4050 | 2300 | 6350 | 3500 | *8250 | 6700 | | |
| Arm length 2900 mm | | | | | | | | | | | | |
| 7.5 m | *2150 | *2150 | | | | | | | | | | |
| 6.0 m | *1900 | *1900 | | | *3300 | 2950 | | | | | | |
| 4.5 m | *1850 | 1800 | *1850 | 1800 | *4250 | 2850 | *4550 | *4550 | | | | |
| 3.0 m | *1900 | 1550 | 3050 | 1750 | 4500 | 2650 | 7400 | 4350 | *12450 | 8550 | | |
| 1.5 m | *2050 | 1450 | 2900 | 1600 | 4250 | 2350 | 6850 | 3850 | *10500 | 7150 | | |
| 0 m | *2350 | 1450 | 2850 | 1550 | 4050 | 2250 | 6450 | 3500 | *8050 | 6550 | | |
| –1.5 m | 2900 | 1600 | | | 3950 | 2200 | 6250 | 3350 | *10400 | 6450 | | |
| –3.0 m | 3550 | 1950 | | | 3950 | 2200 | 6300 | 3400 | *9200 | 6550 | | |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC160LC-8 (Brazil source)

Conditions:

Boom: 5150 mm, Bucket (SAE): 0.80 m³, Shoes: 700 mm unit: kg

| A / B | MAX | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | | 1.5 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2900 mm | | | | | | | | | | | | |
| 7.5 m | *1900 | *1900 | | | | | | | | | | |
| 6.0 m | *1750 | *1750 | | | *3250 | 2950 | | | | | | |
| 4.5 m | *1700 | *1700 | *2250 | 1850 | *3900 | 2850 | | | | | | |
| 3.0 m | *1800 | 1550 | 3050 | 1800 | 4500 | 2700 | *5500 | 4400 | *7850 | *7850 | | |
| 0 m | *2250 | 1450 | 2850 | 1650 | 4100 | 2400 | 6600 | 3700 | *7650 | 6950 | | |
| –3.0 m | 3450 | 1950 | | | 4050 | 2300 | 6400 | 3600 | *11500 | 6900 | *8400 | *8400 |
| –4.5 m | *4800 | 2950 | | | | | *6050 | 3700 | *8900 | 7200 | | |
| Arm length 2250 mm | | | | | | | | | | | | |
| 7.5 m | *2700 | *2700 | | | | | | | | | | |
| 6.0 m | *2400 | *2400 | | | *3250 | 2850 | | | | | | |
| 4.5 m | *2350 | 2050 | | | *4450 | 2850 | *5000 | 4650 | | | | |
| 3.0 m | *2450 | 1800 | | | 4450 | 2700 | *6300 | 4300 | *9700 | 8150 | | |
| 0 m | 2950 | 1700 | | | 4150 | 2400 | 6550 | 3750 | *6750 | *6750 | | |
| –3.0 m | 4200 | 2450 | | | | | 6550 | 3700 | *10500 | 7100 | *10250 | *10250 |
| –4.5 m | *4850 | 4200 | | | | | | | *7050 | 7050 | | |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC190LC-8 (UK source)

Conditions: One-piece boom: 5330 mm, Bucket (SAE): 0.65 m³, Shoes: 600 mm unit: kg

| A / B | MAX | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | | 1.5 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2250 mm | | | | | | | | | | | | |
| 6.0 m | *2500 | *2500 | | | *4200 | 3600 | | | | | | |
| 4.5 m | *2450 | 2400 | | | 5250 | 3500 | *6200 | 5700 | | | | |
| 3.0 m | *2500 | 2100 | 3550 | 2300 | 5150 | 3350 | *7650 | 5250 | | | | |
| 1.5 m | *2700 | 2000 | 3450 | 2200 | 4650 | 3150 | 7800 | 4850 | | | | |
| 0 m | *3050 | 2050 | 3400 | 2150 | 4800 | 3050 | 7400 | 4450 | *4850 | *4850 | | |
| –1.5 m | 3600 | 2300 | | | 4650 | 2950 | 6450 | 4500 | *8750 | 8450 | *5050 | *5050 |
| –3.0 m | 4400 | 2800 | | | 4750 | 3000 | 7500 | 4600 | *12700 | 8900 | *9150 | *9150 |
| –4.5 m | | | | | | | | | | | | |
| Arm length 2600 mm | | | | | | | | | | | | |
| 6.0 m | *2100 | *2100 | | | *3900 | 3650 | | | | | | |
| 4.5 m | *2050 | *2050 | | | *4850 | 3550 | | | | | | |
| 3.0 m | *2100 | 2050 | *2750 | 2400 | 5200 | 3400 | *7300 | 5400 | *11200 | 10400 | | |
| 1.5 m | *2300 | 1950 | 3600 | 2350 | 4700 | 3250 | 7950 | 4950 | | | | |
| 0 m | *2600 | 1950 | 3500 | 2250 | 4850 | 3100 | 7500 | 4550 | *5700 | *5700 | | |
| –1.5 m | *3150 | 2150 | 3400 | 2200 | 4700 | 3000 | 6500 | 4550 | *8600 | *8350 | *5000 | *5000 |
| –3.0 m | *4050 | 2600 | 3400 | 2150 | 4750 | 3000 | 7550 | 4600 | *13200 | 8950 | *8350 | *8350 |
| –4.5 m | | | | | | | 7150 | 4750 | *10300 | 9250 | | |
| Arm length 2900 mm | | | | | | | | | | | | |
| 6.0 m | *1800 | *1800 | | | *3600 | 3600 | | | | | | |
| 4.5 m | *1800 | *1800 | *3050 | 2400 | *4350 | 3600 | | | | | | |
| 3.0 m | *1850 | *1850 | 3550 | 2300 | 5200 | 3400 | *6850 | 5400 | *10150 | *10150 | | |
| 1.5 m | *2000 | 1800 | 3450 | 2250 | 4650 | 3200 | 7900 | 4950 | *6600 | *6600 | | |
| 0 m | *2250 | 1800 | 3400 | 2150 | 4800 | 3050 | 7450 | 4500 | *6000 | *6000 | | |
| –1.5 m | *2700 | 1950 | 3350 | 2100 | 4630 | 2900 | 6450 | 4450 | *8300 | *8050 | *4650 | *4650 |
| –3.0 m | *3600 | 2350 | | | 4700 | 2950 | 7450 | 4500 | *12200 | 8800 | *7600 | *7600 |
| –4.5 m | | | | | | | | | | | | |

Conditions: Two-piece boom: 5069 mm, Bucket (SAE): 0.65m³, Shoes: 600 mm unit: kg

| A / B | MAX | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | | 1.5 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2250 mm | | | | | | | | | | | | |
| 7.5 m | *3050 | *3050 | | | | | *3550 | *3350 | | | | |
| 6.0 m | *2650 | *2650 | | | *2900 | *2900 | *5100 | *5100 | | | | |
| 4.5 m | *2550 | *2550 | | | 5150 | 3550 | *6350 | 5800 | | | | |
| 3.0 m | *2650 | 2400 | | | 5000 | 3400 | 8050 | 5350 | *14050 | 10300 | | |
| 1.5 m | *2850 | 2250 | | | 4800 | 3100 | 7550 | 4900 | | | | |
| 0 m | *3300 | 2300 | | | 4650 | 3050 | 7250 | 4650 | *7100 | *7100 | | |
| –1.5 m | 3850 | 2550 | | | 4550 | 3000 | 7150 | 4600 | *11000 | 8850 | | |
| –3.0 m | | | | | | | *5650 | 4650 | | | | |
| Arm length 2600 mm | | | | | | | | | | | | |
| 7.5 m | *2500 | *2500 | | | | | *3550 | *3550 | | | | |
| 6.0 m | *2200 | *2200 | | | *3300 | *3300 | | | | | | |
| 4.5 m | *2150 | *2150 | | | *4600 | 3600 | *5300 | *5300 | | | | |
| 3.0 m | *2200 | *2200 | *2850 | 2300 | 5050 | 3400 | 8150 | 5450 | *13200 | 10250 | | |
| 1.5 m | *2400 | 2100 | 3350 | 2200 | 4800 | 3100 | 7650 | 5000 | *8300 | *8300 | | |
| 0 m | *2750 | 2150 | 3200 | 2150 | 4600 | 3050 | 7250 | 4650 | *7800 | *7800 | | |
| –1.5 m | *3450 | 2350 | | | 4550 | 2950 | 7150 | 4550 | *10900 | 8750 | | |
| –3.0 m | *3950 | 2950 | | | *4200 | 3050 | *6450 | 4600 | *8250 | 8250 | | |
| Arm length 2900 mm | | | | | | | | | | | | |
| 7.5 m | *2150 | *2150 | | | | | | | | | | |
| 6.0 m | *1900 | *1900 | | | *3300 | *3300 | | | | | | |
| 4.5 m | *1850 | *1850 | *1850 | *1850 | *4250 | 3650 | *4550 | *4550 | | | | |
| 3.0 m | *1900 | *1900 | *3250 | 2300 | 5005 | 3450 | *7650 | 5550 | *12450 | 10500 | | |
| 1.5 m | *2050 | 1950 | 3350 | 2150 | 4800 | 3100 | 7650 | 5000 | *10500 | 9400 | | |
| 0 m | *2350 | 2000 | 3250 | 2150 | 4600 | 3000 | 7250 | 4650 | *8050 | *8050 | | |
| –1.5 m | *2900 | 2150 | | | 4500 | 2900 | 7100 | 4500 | *10400 | 8650 | | |
| –3.0 m | *3950 | 2650 | | | 4500 | 2950 | 6950 | 4500 | *9200 | 8800 | | |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC190NLC-8 (UK source)

Conditions: One-piece boom: 5330 mm, Bucket (SAE): 0.65 m³, Shoes: 500 mm unit: kg

| A / B | MAX | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | | 1.5 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2250 mm | | | | | | | | | | | | |
| 6.0 m | *2500 | *2500 | | | *4200 | 3250 | | | | | | |
| 4.5 m | *2450 | 2150 | | | 5150 | 3200 | *6200 | 5150 | | | | |
| 3.0 m | *2500 | 1900 | 3450 | 2050 | 5050 | 3000 | *7700 | 4750 | | | | |
| 1.5 m | *2700 | 1800 | 3400 | 2000 | 4550 | 2850 | 7650 | 4350 | | | | |
| 0 m | *3050 | 1850 | 3350 | 1950 | 4700 | 2700 | 7250 | 3940 | *4850 | *4850 | | |
| –1.5 m | 3500 | 2050 | | | 4580 | 2600 | 6350 | 4000 | *8750 | 7400 | *5050 | *5050 |
| –3.0 m | 4350 | 2500 | | | 4700 | 2700 | 7400 | 4100 | *12750 | 7850 | *9150 | *9150 |
| Arm length 2600 mm | | | | | | | | | | | | |
| 6.0 m | *2100 | *2100 | | | *3900 | 3300 | | | | | | |
| 4.5 m | *2050 | 2050 | | | *4850 | 3250 | | | | | | |
| 3.0 m | *2100 | 1800 | *2750 | 2150 | 5100 | 3100 | *7300 | 4850 | *11200 | 9200 | | |
| 1.5 m | *2300 | 1700 | 3500 | 2100 | 4600 | 2900 | 7800 | 4450 | | | | |
| 0 m | *2600 | 1750 | 3400 | 2000 | 4750 | 2750 | 7300 | 4050 | *5700 | *5700 | | |
| –1.5 m | *3150 | 1900 | 3350 | 1950 | 4600 | 2650 | 6350 | 4050 | *8600 | 7450 | *5000 | *5000 |
| –3.0 m | 3950 | 2300 | 3300 | 1900 | 4650 | 2700 | 7400 | 4100 | *13200 | 7850 | *8350 | *8350 |
| Arm length 2900 mm | | | | | | | | | | | | |
| 6.0 m | *1800 | *1800 | | | *3600 | 3350 | | | | | | |
| 4.5 m | *1800 | *1800 | *3050 | 2150 | *4350 | 3250 | | | | | | |
| 3.0 m | *1850 | 1650 | 3500 | 2050 | 5100 | 3050 | *6850 | 4900 | *10150 | 9400 | | |
| 1.5 m | *2000 | 1600 | 3400 | 2000 | 4550 | 2850 | 7700 | 4400 | *6600 | *6600 | | |
| 0 m | *2250 | 1600 | 3300 | 1900 | 4700 | 2700 | 7300 | 4000 | *6000 | *6000 | | |
| –1.5 m | *2700 | 1750 | 3250 | 1850 | 4550 | 2600 | 6300 | 3950 | *8300 | 7350 | *4650 | *4650 |
| –3.0 m | *3600 | 2100 | | | 4600 | 2600 | 7300 | 4000 | *12200 | 7700 | *7600 | *7600 |

Conditions: Two-piece boom: 5069 mm, Bucket (SAE): 0.65m³, Shoes: 500 mm unit: kg

| A / B | MAX | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | | 1.5 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2250 mm | | | | | | | | | | | | |
| 7.5 m | *3050 | *3050 | | | | | *3350 | *3350 | | | | |
| 6.0 m | *2650 | *2650 | | | *2900 | *2900 | *5100 | *5100 | | | | |
| 4.5 m | *2550 | 2350 | | | 5000 | 3050 | *6350 | 5000 | | | | |
| 3.0 m | *2650 | 2000 | | | 4800 | 2900 | 7750 | 4600 | *14050 | 8650 | | |
| 1.5 m | *2850 | 1900 | | | 4600 | 2600 | 7250 | 4150 | | | | |
| 0 m | *3300 | 1900 | | | 4400 | 2550 | 6950 | 3900 | *7100 | *7100 | | |
| –1.5 m | 3700 | 2150 | | | 4350 | 2500 | 6850 | 3800 | *11000 | 7250 | | |
| –3.0 m | | | | | | | *5650 | 3900 | | | | |
| Arm length 2600 mm | | | | | | | | | | | | |
| 7.5 m | *2500 | *2500 | | | | | *3550 | *3550 | | | | |
| 6.0 m | *2200 | *2200 | | | *3300 | 3250 | | | | | | |
| 4.5 m | *2150 | *2150 | | | *4600 | 3200 | *5300 | 5250 | | | | |
| 3.0 m | *2200 | 1950 | *2850 | 2000 | 4850 | 3000 | 7850 | 4800 | *13200 | 9250 | | |
| 1.5 m | *2400 | 1800 | 3200 | 1900 | 4600 | 2700 | 7300 | 4350 | *8300 | 7950 | | |
| 0 m | *2750 | 1850 | 3150 | 1850 | 4400 | 2650 | 6950 | 4050 | *7800 | 7500 | | |
| –1.5 m | 3400 | 2050 | | | 4350 | 2550 | 6850 | 3900 | *10900 | 7450 | | |
| –3.0 m | *3950 | 2550 | | | 4200 | 2600 | *6450 | 3950 | *8250 | 7600 | | |
| Arm length 2900 mm | | | | | | | | | | | | |
| 7.5 m | *2150 | *2150 | | | | | | | | | | |
| 6.0 m | *1900 | *1900 | | | *3300 | 3300 | | | | | | |
| 4.5 m | *1850 | *1850 | *1850 | *1850 | *4250 | 3200 | *4550 | *4550 | | | | |
| 3.0 m | *1900 | 1800 | *3250 | 2000 | 4850 | 3000 | *7650 | 4850 | *12450 | 9500 | | |
| 1.5 m | *2050 | 1700 | 3200 | 1850 | 4600 | 2700 | 7350 | 4350 | *10500 | 8100 | | |
| 0 m | *2350 | 1700 | 3100 | 1800 | 4400 | 2600 | 6950 | 4000 | *8050 | 7450 | | |
| –1.5 m | *2900 | 1850 | | | 4300 | 2500 | 6800 | 3850 | *10400 | 7350 | | |
| –3.0 m | 3850 | 2300 | | | 4300 | 2550 | 6800 | 3900 | *9200 | 7500 | | |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## HB205-1

Conditions:

Boom: 5700 mm (18'8"), Bucket (SAE): 0.80 m³ (0.15 cu.yd), Shoes: 600 mm (24") unit: kg (lb)

| A / B | MAX | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | | 1.5 m (5') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2925 mm (9'7") | | | | | | | | | | | | |
| 7.6 m (25') | *2750 (6100) | | | | *3800 (8300) | *3800 (8300) | | | | | | |
| 6.1 m (20') | *2600 (5800) | *2600 (5800) | | | *4300 (9500) | 4050 (8900) | | | | | | |
| 4.6 m (15') | *2650 (5800) | 2150 (4800) | 3950 (8800) | 2600 (5700) | *4900 (10800) | 3900 (8600) | | | | | | |
| 3.0 m (10') | *2800 (6100) | 1950 (4300) | 3850 (8500) | 2500 (5500) | 5650 (12500) | 3700 (8100) | *7350 (16200) | 5850 (12900) | *11350 (25000) | *11350 (25000) | | |
| 1.5 m (5') | 3000 (6600) | 1850 (4100) | 3750 (8300) | 2350 (5200) | 5400 (11900) | 3450 (7600) | 8600 (19000) | 5350 (11800) | *7500 (16500) | *7500 (16500) | | |
| 0 m (0') | 3050 (6700) | 1900 (4200) | 3650 (8000) | 2300 (5000) | 5200 (11500) | 3250 (7200) | 8250 (18200) | 5050 (11100) | *8000 (17700) | *8000 (17700) | | |
| –1.5 m (–5') | 3350 (7400) | 2050 (4600) | 3600 (7900) | 2250 (4900) | 5100 (11200) | 3150 (7000) | 8100 (17900) | 4900 (10800) | *11200 (24700) | 9500 (20900) | *6800 (15000) | *6800 (15000) |
| –3.0 m (–10') | 4000 (8800) | 2500 (5500) | | | 5100 (11200) | 3150 (7000) | 8100 (17900) | 4950 (10900) | *15600 (34400) | 9650 (21300) | *10500 (23200) | *10500 (23200) |
| –4.5 m (–15') | 5650 (12500) | 3550 (7900) | | | | | 8300 (18300) | 5100 (11200) | *13050 (28800) | 10000 (22000) | | |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

## HB215LC-1, HB215LC-1 (UK source)

Conditions:

Boom: 5700 mm (18'8"), Bucket (SAE): 0.80 m³ (0.15 cu.yd), Shoes: 700 mm (28") unit: kg (lb)

| A / B | MAX | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | | 1.5 m (5') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2925 mm (9'7") | | | | | | | | | | | | |
| 7.6 m (25') | *2750 (6100) | *2750 (6100) | | | *3800 (8300) | *3800 (8300) | | | | | | |
| 6.1 m (20') | *2600 (5800) | *2600 (5800) | | | *4300 (9500) | *4300 (9500) | | | | | | |
| 4.6 m (15') | *2650 (5800) | 2550 (5600) | *4650 (10300) | 2600 (5700) | *4900 (10800) | 4500 (9900) | | | | | | |
| 3.0 m (10') | *2800 (6100) | 2300 (5100) | 4750 (10500) | 2500 (5500) | *5850 (12900) | 4250 (9400) | *7350 (16200) | 6750 (14900) | *11350 (25000) | *11350 (25000) | | |
| 1.5 m (5') | *3050 (6700) | 2200 (4900) | 4650 (10200) | 2350 (5200) | 6700 (14700) | 4000 (8900) | *9300 (20500) | 6250 (13800) | *7500 (16500) | *7500 (16500) | | |
| 0 m (0') | *3500 (7800) | 2250 (5000) | 4550 (10000) | 2300 (5000) | 6450 (14300) | 3850 (8400) | 10450 (23000) | 5900 (13000) | *8000 (17700) | *8000 (17700) | | |
| –1.5 m (–5') | 4150 (9200) | 2450 (5400) | 4500 (9900) | 2250 (4900) | 6350 (14000) | 3750 (8200) | *10250 (22700) | 5800 (12700) | *11200 (24700) | *11200 (24700) | *6800 (15000) | *6800 (15000) |
| –3.0 m (–10') | 4950 (11000) | 2950 (6500) | | | 6350 (14000) | 3750 (8200) | 10300 (22700) | 5800 (12800) | *15600 (34400) | 11500 (25400) | *10500 (23200) | *10500 (23200) |
| –4.5 m (–15') | *6750 (14900) | 4150 (9200) | | | | | *9050 (20000) | 6000 (13200) | *13050 (28800) | 11900 (26200) | | |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.


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## PC200-8

Conditions: Boom: 5700 mm (18'8"), Bucket (SAE): 0.80 m³ (1.05 cu.yd), Shoes: 600 mm (24") unit :kg (lb)

| A / B | MAX | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | | 1.5 m (5') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2925 mm (9'7") | | | | | | | | | | | | |
| 7.6 m (25') | *2750 (6100) | *2750 (6100) | | | *3800 (8300) | *3800 (8300) | | | | | | |
| 6.1 m (20') | *2600 (5800) | *2600 (5800) | | | *4300 (9500) | 4050 (8900) | | | | | | |
| 4.6 m (15') | *2650 (5800) | 2150 (4800) | 3950 (8800) | 2600 (5700) | *4900 (10800) | 3900 (8600) | | | | | | |
| 3.0 m (10') | *2800 (6100) | 1950 (4300) | 3850 (8500) | 2500 (5500) | 5650 (12500) | 3700 (8100) | *7350 (16200) | 5850 (12900) | *11350 (25000) | *11350 (25000) | | |
| 1.5 m (5') | 3000 (6600) | 1850 (4100) | 3750 (8300) | 2350 (5200) | 5400 (11900) | 3450 (7600) | 8600 (19000) | 5350 (11800) | *7500 (16500) | *7500 (16500) | | |
| 0 m (0') | 3050 (6700) | 1900 (4200) | 3650 (8000) | 2300 (5000) | 5200 (11500) | 3250 (7200) | 8250 (18200) | 5050 (11100) | *8000 (17700) | *8000 (17700) | | |
| –1.5 m (–5') | 3350 (7400) | 2050 (4600) | 3600 (7900) | 2250 (4900) | 5100 (11200) | 3150 (7000) | 8100 (17900) | 4900 (10800) | *11200 (24700) | 9500 (20900) | *6800 (15000) | *6800 (15000) |
| –3.0 m (–10') | 4000 (8800) | 2500 (5500) | | | 5100 (11200) | 3150 (7000) | 8100 (17900) | 4950 (10900) | *15600 (34400) | 9650 (21300) | *10550 (23200) | *10550 (23200) |
| –4.6 m (–15') | 5650 (12500) | 3550 (7900) | | | | | 8300 (18300) | 5100 (11200) | *13050 (28800) | 10000 (22000) | | |
| Arm length 1840 mm (6') | | | | | | | | | | | | |
| 7.6 m (25') | *4800 (10600) | *4800 (10600) | | | | | *5500 (12100) | *5500 (12100) | | | | |
| 6.1 m (20') | *4450 (9900) | 3450 (7600) | | | *5450 (12100) | 3800 (8300) | *5700 (12600) | *5700 (12600) | | | | |
| 4.6 m (15') | 4200 (9300) | 2700 (6000) | | | 5650 (12500) | 3700 (8100) | *7000 (15400) | 6000 (13200) | *9850 (21800) | *9850 (21800) | | |
| 3.0 m (10') | 3750 (8300) | 2350 (5200) | | | 5450 (12000) | 3500 (7700) | 8600 (19000) | 5350 (11800) | | | | |
| 1.5 m (5') | 3600 (8000) | 2250 (5000) | 3650 (8100) | 2300 (5000) | 5250 (11500) | 3300 (7300) | 8250 (18200) | 5000 (11100) | | | | |
| 0 m (0') | 3750 (8200) | 2300 (5100) | | | 5100 (11200) | 3150 (7000) | 8050 (17700) | 4850 (10700) | | | | |
| –1.5 m (–5') | 4200 (9300) | 2650 (5800) | | | 5050 (11200) | 3150 (6900) | 8050 (17700) | 4850 (10700) | *13350 (29400) | 9500 (21000) | | |
| –3.0 m (–10') | 5500 (12100) | 3450 (7600) | | | | | 8200 (18100) | 5000 (11000) | *13200 (29100) | 9800 (21600) | | |
| Arm length 2410 mm (7'11") | | | | | | | | | | | | |
| 7.6 m (25') | *4300 (9500) | 4300 (9400) | | | | | | | | | | |
| 6.1 m (20') | *4100 (9000) | 3000 (6600) | | | *4850 (10700) | 3950 (8700) | | | | | | |
| 4.6 m (15') | 3800 (8400) | 2450 (5400) | 3900 (8600) | 2500 (5600) | *5400 (11900) | 3800 (8400) | *6200 (13600) | *6200 (13600) | | | | |
| 3.0 m (10') | 3400 (7500) | 2150 (4800) | 3800 (8400) | 2450 (5400) | 5600 (12300) | 3600 (8000) | *8100 (17800) | 5700 (12600) | | | | |
| 1.5 m (5') | 3300 (7300) | 2050 (4600) | 3700 (8200) | 2350 (5200) | 5350 (11800) | 3400 (7500) | 8450 (18700) | 5250 (11500) | | | | |
| 0 m (0') | 3400 (7500) | 2100 (4700) | 3650 (8000) | 2250 (5000) | 5150 (11400) | 3250 (7100) | 8150 (18000) | 4950 (11000) | *7350 (16200) | *7350 (16200) | | |
| –1.5 m (–5') | 3750 (8300) | 2350 (5200) | | | 5100 (11200) | 3150 (7000) | 8100 (17800) | 4900 (10800) | *12250 (27000) | 9500 (21000) | *7650 (16900) | *7650 (16900) |
| –3.0 m (–10') | 4650 (10200) | 2900 (6400) | | | 5150 (11400) | 3200 (7100) | 8200 (18000) | 4950 (11000) | *14700 (32400) | 9750 (21500) | *12650 (27900) | *12650 (27900) |
| -4.6 m (–15') | *7200 (15900) | 4550 (10000) | | | | | *8100 (17800) | 5200 (11500) | *11600 (25500) | 10150 (22400) | | |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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# PC200LC-8

Conditions:

Boom: 5700 mm (18'8"), Bucket (SAE): 0.80 m³ (1.05 cu.yd), Shoes: 700 mm (28") unit: kg (lb)

| A / B | MAX | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | | 1.5 m (5') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2925 mm (9'7") | | | | | | | | | | | | |
| 7.6 m (25') | *2750 (6100) | *2750 (6100) | | | *3800 (8300) | *3800 (8300) | | | | | | |
| 6.1 m (20') | *2600 (5800) | *2600 (5800) | | | *4300 (9500) | *4300 (9500) | | | | | | |
| 4.6 m (15') | *2650 (5800) | 2550 (5600) | *4650 (10300) | 3000 (6600) | *4900 (10800) | 4500 (9900) | | | | | | |
| 3.0 m (10') | *2800 (6100) | 2300 (5100) | *4750 (10500) | 2900 (6400) | *5850 (12900) | 4250 (9400) | *7350 (16200) | 6750 (14900) | *11350 (25000) | *11350 (25000) | | |
| 1.5 m (5') | *3050 (6700) | 2200 (4900) | 4650 (10200) | 2800 (6200) | 6700 (14700) | 4000 (8900) | *9300 (20500) | 6250 (13800) | *7500 (16500) | *7500 (16500) | | |
| 0 m (0') | *3500 (7800) | 2250 (5000) | 4550 (10000) | 2700 (5900) | 6450 (14300) | 3850 (8400) | 10450 (23000) | 5900 (13000) | *8000 (17700) | *8000 (17700) | | |
| –1.5 m (–5') | *4150 (9200) | 2450 (5400) | 4500 (9900) | 2650 (5800) | 6350 (14000) | 3750 (8200) | *10250 (22700) | 5800 (12700) | *11200 (24700) | *11200 (24700) | *6800 (15000) | *6800 (15000) |
| –3.0 m (–10') | 4950 (11000) | 2950 (6500) | | | 6350 (14000) | 3750 (8200) | 10300 (22700) | 5800 (12800) | *15600 (34400) | 11500 (25400) | *10550 (23200) | *10550 (23200) |
| –4.6 m (–15') | *6750 (14900) | 4150 (9200) | | | | | *9050 (20000) | 6000 (13200) | *13050 (28800) | 11900 (26000) | | |
| Arm length 2410 mm (7'11") | | | | | | | | | | | | |
| 7.6 m (25') | *4300 (9500) | *4300 (9500) | | | | | | | | | | |
| 6.1 m (20') | *4100 (9000) | 3500 (7700) | | | *4850 (10700) | 4500 (10000) | | | | | | |
| 4.6 m (15') | *4150 (9100) | 2850 (6300) | *4700 (10400) | 2950 (6500) | *5400 (11900) | 4400 (9700) | *6200 (13600) | *6200 (13600) | | | | |
| 3.0 m (10') | *4250 (9300) | 2550 (5600) | 4700 (10400) | 2850 (6300) | *6300 (13900) | 4200 (9200) | *8100 (17800) | 6600 (14600) | | | | |
| 1.5 m (5') | 4100 (9000) | 2450 (5400) | 4600 (10200) | 2750 (6100) | *6600 (14500) | 3950 (8700) | *9850 (21800) | 6100 (13500) | | | | |
| 0 m (0') | 4200 (9300) | 2500 (5500) | 4550 (10000) | 2700 (5900) | 6450 (14200) | 3800 (8400) | 10350 (22800) | 5850 (12900) | *7350 (16200) | *7350 (16200) | | |
| –1.5 m (–5') | 4650 (10300) | 2750 (6100) | | | 6350 (14000) | 3750 (8300) | 10250 (22600) | 5800 (12700) | *12250 (27000) | 11400 (25100) | *7650 (16900) | *7650 (16900) |
| –3.0 m (–10') | 5750 (12700) | 3450 (6100) | | | 6400 (14200) | 3800 (8400) | *10250 (22600) | 5850 (12900) | *14700 (32400) | 11600 (25600) | *12650 (27900) | *12650 (27900) |
| –4.6 m (–15') | *7200 (15900) | 5300 (11700) | | | | | *8100 (17800) | 6100 (13500) | *11600 (25500) | *11600 (25500) | | |
| Arm length 1840 mm (6') | | | | | | | | | | | | |
| 6.1 m (20') | *4450 (9900) | 3950 (8800) | | | *5450 (12100) | 4350 (9600) | *5700 (12600) | *5700 (12600) | | | | |
| 7.6 m (25') | *4800 (10600) | *4800 (10600) | | | | | *5500 (12100) | *5500 (12100) | | | | |
| 4.6 m (15') | *4500 (9900) | 3150 (7000) | | | *5900 (13000) | 4250 (9400) | *7000 (15400) | *6900 (15200) | *9850 (21800) | *9850 (21800) | | |
| 3.0 m (10') | *4650 (10200) | 2800 (6200) | | | *6700 (14800) | 4050 (9000) | *8700 (19200) | 6250 (13700) | | | | |
| 1.5 m (5') | 4500 (9900) | 2650 (5900) | 4550 (10000) | 2700 (6000) | 6500 (14300) | 3850 (8500) | *10350 (22800) | 5900 (13000) | | | | |
| 0 m (0') | 4650 (10300) | 2750 (6100) | | | 6350 (14000) | 3750 (8200) | 10200 (22500) | 5700 (12600) | | | | |
| –1.5 m (–5') | 5250 (11600) | 3100 (6900) | | | 6350 (14000) | 3700 (8200) | 10200 (22500) | 5700 (12600) | *13350 (29400) | 11350 (25100) | | |
| –3.0 m (–10') | 6850 (15100) | 4050 (8900) | | | | | *9550 (21100) | 5900 (13000) | *13200 (29100) | 11700 (25800) | | |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC200-8 (Thailand source)

Conditions: Boom: 5700 mm (18'8"), Bucket (SAE): 0.80 m³ (1.05 cu.yd), Shoes: 700 mm (28")
Lifting mode: ON

unit: kg (lb)

| A / B | MAX | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | | 1.5 m (5') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2410 mm (7'11") | | | | | | | | | | | | |
| 7.6 m (25') | *4550 (10000) | 4500 (10000) | | | | | | | | | | |
| 6.1 m (20') | *4250 (9450) | 3150 (7000) | | | 5950 (13200) | 4050 (8900) | | | | | | |
| 4.6 m (15') | 3850 (8550) | 2550 (5650) | 3900 (8650) | 2600 (5700) | 5800 (12850) | 3900 (8600) | *7600 (16800) | 6300 (13950) | | | | |
| 3.0 m (10') | 3500 (7700) | 2250 (5000) | 3850 (8450) | 2500 (5550) | 5550 (12300) | 3650 (8100) | 8950 (19800) | 5750 (12750) | | | | |
| 1.5 m (5') | 3350 (7400) | 2150 (4750) | 3700 (8200) | 2400 (5300) | 5300 (11750) | 3450 (7600) | 8400 (18550) | 5300 (11650) | | | | |
| 0 m (0') | 3450 (7600) | 2200 (4850) | 3650 (8050) | 2300 (5150) | 5150 (11350) | 3300 (7250) | 8100 (17900) | 5000 (11100) | *7300 (16100) | *7300 (16100) | | |
| –1.5 m (–5') | 3800 (8400) | 2400 (5400) | | | 5050 (11200) | 3200 (7150) | 8050 (17750) | 4950 (10950) | *12450 (27500) | 9600 (21250) | *7850 (17300) | *7850 (17300) |
| –3.0 m (–10') | 4700 (10450) | 3000 (6700) | | | 5150 (11350) | 3300 (7250) | 8150 (17950) | 5050 (11150) | *17500 (38650) | 9850 (21750) | | |
| –4.6 m (–15') | 7500 (16600) | 4800 (10550) | | | | | 8450 (18650) | 5300 (11700) | *13700 (30300) | 10300 (22750) | | |

Conditions: Boom: 5700 mm (18'8"), Bucket (SAE): 0.80 m³ (1.05 cu.yd), Shoes:700 mm (28")
Lifting mode: ON

unit: kg (lb)

| A / B | MAX | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | | 1.5 m (5') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2925 mm (9'7") | | | | | | | | | | | | |
| 7.6 m (25') | *2950 (6500) | *2950 (6500) | | | *3550 (7850) | *3550 (7850) | | | | | | |
| 6.1 m (20') | *2800 (6150) | *2800 (6150) | | | *5350 (11800) | 4100 (9100) | | | | | | |
| 4.6 m (15') | *2800 (6200) | 2300 (5150) | 3950 (8800) | 2650 (5850) | 5900 (13050) | 3950 (8800) | *6750 (14900) | 6450 (14250) | | | | |
| 3.0 m (10') | *2950 (6550) | 2050 (4550) | 3850 (8550) | 2550 (5600) | 5650 (12450) | 3750 (8250) | *9050 (20000) | 5900 (13100) | *14050 (31000) | 11350 (25050) | | |
| 1.5 m (5') | 3050 (6800) | 1950 (4350) | 3750 (8250) | 2400 (5350) | 5350 (11850) | 3500 (7700) | 8550 (18850) | 5400 (11900) | *7350 (16200) | *7350 (16200) | | |
| 0 m (0') | 3150 (6950) | 2000 (4400) | 3650 (8050) | 5150 (2300) | 5150 (11400) | 3300 (7300) | 8150 (18000) | 5050 (11200) | *8250 (18250) | *8250 (18250) | | |
| –1.5 m (–5') | 3400 (7600) | 2150 (4800) | 3600 (7950) | 5050 (2250) | 5050 (11150) | 3200 (7100) | 8000 (17700) | 4950 (10900) | *11650 (25750) | 9550 (21100) | *7250 (16000) | *7250 (16000) |
| –3.0 m (–10') | 4150 (9100) | 2650 (5850) | | | 5050 (11200) | 3200 (7100) | 8050 (17800) | 4950 (11000) | *16750 (37000) | 9750 (21450) | *11100 (24450) | *11100 (24450) |
| –4.6 m (–15') | 8450 (3800) | 6000 (13200) | | | | | 8150 (18050) | 5050 (11200) | *15400 (34000) | 22300 (10100) | | |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on ISO Standard NO. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC200-8 (Brazil source)

Conditions:

Boom: 5700 mm, Bucket (SAE): 1.2 m³, Shoes: 700 mm unit: kg

| A / B | MAX | | 7.6 m | | 6.1 m | | 4.6 m | | 3.0 m | | 1.5 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2410 mm | | | | | | | | | | | | |
| 7.6m | *4250 | 4200 | | | | | | | | | | |
| 6.1m | *3950 | 2850 | | | 5650 | 3750 | | | | | | |
| 4.6m | 3550 | 2250 | 3600 | 2300 | 5500 | 3600 | *7300 | 6000 | | | | |
| 3.0m | 3200 | 1950 | 3350 | 2200 | 5250 | 3350 | 8650 | 5450 | | | | |
| 1.5m | 3050 | 1850 | 3400 | 2100 | 5000 | 3150 | 8100 | 5000 | | | | |
| 0m | 3150 | 1900 | 3350 | 2000 | 4850 | 3000 | 7800 | 4700 | *7000 | 7000 | | |
| –1.5m | 3500 | 2100 | | | 4750 | 2900 | 7750 | 4650 | *12150 | 9300 | *7550 | *7550 |
| –3.0m | 4400 | 2700 | | | 4850 | 2900 | 7850 | 4750 | *17200 | 9550 | | |
| –4.6m | 7200 | 4500 | | | | | 8150 | 5000 | *13400 | 10000 | | |
| Arm length 2925 mm | | | | | | | | | | | | |
| 7.6m | *2650 | *2650 | | | *3250 | *3250 | | | | | | |
| 6.1m | *2500 | *2500 | | | *5050 | 3800 | | | | | | |
| 4.6m | *2500 | 2000 | 3650 | 2350 | 5600 | 3650 | *6450 | 6150 | | | | |
| 3.0m | *2650 | 1750 | 3550 | 2250 | 5350 | 3450 | *8750 | 5600 | *13750 | 11050 | | |
| 1.5m | 2750 | 1650 | 3450 | 2100 | 5050 | 3100 | 8250 | 5100 | *7050 | 7050 | | |
| 0m | 2850 | 1700 | 3350 | 4850 | 4850 | 3000 | 7850 | 4750 | *7950 | 7950 | | |
| –1.5m | 3100 | 1750 | 3300 | 4750 | 4750 | 2900 | 7700 | 4650 | *11350 | 9250 | *6950 | *6950 |
| –3.0m | 3850 | 2350 | | | 4750 | 2900 | 7750 | 4650 | *16450 | 9350 | *10800 | *10800 |
| –4.6m | 5700 | 8150 | | | | | 7850 | 4750 | *15100 | 22000 | | |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

## PC200LC-8 (Brazil source)

Conditions:

Boom: 5200 mm, Bucket (SAE): 1.50 m³, Shoes: 800 mm unit: kg

| A / B | MAX | | 7.6 m | | 6.1 m | | 4.6 m | | 3.0 m | | 1.5 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2410 mm | | | | | | | | | | | | |
| 7.6m | *4300 | *4250 | | | | | | | | | | |
| 6.1m | *3950 | 3300 | | | *5750 | 4300 | | | | | | |
| 4.6m | *4000 | 2650 | | | *6350 | 4150 | *7300 | 6900 | | | | |
| 3.0m | 4050 | 2300 | 5000 | 3020 | 6650 | 3900 | *9600 | 6300 | | | | |
| 1.5m | 3900 | 2200 | 4840 | 2915 | 6350 | 3700 | 10450 | 5800 | | | | |
| 0m | 4000 | 2250 | 4790 | 2810 | 6200 | 3500 | 10100 | 5550 | *7000 | *7000 | | |
| –1.5m | 4500 | 2550 | | | 6100 | 3450 | 10050 | 5550 | *12150 | 11100 | 7550 | 7550 |
| –3.0m | 5650 | 3200 | | | | | 10150 | 5550 | *17200 | 11350 | | |
| –4.6m | 8500 | 5250 | | | | | 9350 | 5850 | *13400 | 11800 | | |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC200-8M0

Conditions:

Boom: 5700 mm (18'8"), Bucket (SAE): 0.80 m³ (1.05cu.yd), Shoes: 600 mm (24") unit: kg (lb)

| A / B | MAX | | 7.5 m (25') | | 6.0 m (20') | | 4.5 m (15') | | 3.0 m (10') | | 1.5 m (5') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 1840 mm (6') | | | | | | | | | | | | |
| 7.5 m (25') | *5100 (11240) | *5100 (11240) | | | | | *5600 (12350) | *5600 (12350) | | | | |
| 6.0 m (20') | *4800 (10580) | 3600 (7940) | | | *5550 (12240) | 3950 (8710) | *5800 (12790) | *5800 (12790) | | | | |
| 4.5 m (15') | 4400 (9700) | 2850 (6280) | | | 5850 (12900) | 3800 (8380) | *7350 (16200) | 6150 (13560) | *10350 (22820) | *10350 (22820) | | |
| 3.0 m (10') | 3900 (8600) | 2500 (5510) | 3850 (8490) | 2450 (5400) | 5600 (12350) | 3600 (7940) | 9000 (19840) | 5650 (12460) | | | | |
| 1.5 m (5') | 3750 (8270) | 2350 (5180) | 3750 (8270) | 2350 (5180) | 5400 (11900) | 3400 (7500) | 8550 (18850) | 5200 (11460) | | | | |
| 0 m (0') | 3900 (8600) | 2400 (5290) | 3700 (8160) | 2300 (5070) | 5250 (11570) | 3250 (7170) | 8350 (18410) | 5050 (11130) | | | | |
| –1.5 m (–5') | 4400 (9700) | 2750 (6060) | | | 5200 (11460) | 3250 (7170) | 8350 (18410) | 5050 (11130) | *9500 (20940) | *9500 (20940) | | |
| –3.0 m (–10') | 5750 (12680) | 3600 (7940) | | | 5350 (11790) | 3350 (7390) | 8500 (18740) | 5200 (11460) | *13000 (28660) | 10300 (22710) | | |
| Arm length 2410 mm (7'11") | | | | | | | | | | | | |
| 7.5 m (25') | *4500 (9920) | 4250 (9370) | | | | | | | | | | |
| 6.0 m (20') | *4250 (9370) | 3000 (6610) | | | *4850 (10690) | 4050 (8930) | | | | | | |
| 4.5 m (15') | 3800 (8380) | 2450 (5400) | 4000 (8820) | 2600 (5730) | *5450 (12020) | 3900 (8600) | *6400 (14110) | 6300 (13890) | | | | |
| 3.0 m (10') | 3450 (7610) | 2150 (4740) | 3900 (8600) | 2500 (5510) | 5650 (12460) | 3650 (8050) | *8650 (19070) | 5800 (12790) | | | | |
| 1.5 m (5') | 3300 (7280) | 2050 (4520) | 3750 (8270) | 2350 (5180) | 5450 (12020) | 3450 (7610) | 8650 (19070) | 5300 (11680) | | | | |
| 0 m (0') | 3400 (7500) | 2100 (4630) | 3700 (8160) | 2300 (5070) | 5250 (11570) | 3250 (7160) | 8350 (18410) | 5050 (11130) | *7000 (15430) | *7000 (15430) | | |
| –1.5 m (–5') | 3750 (8270) | 2350 (5180) | 3650 (8050) | 2250 (4960) | 5200 (11460) | 3200 (7050) | 8300 (18300) | 5000 (11020) | *9300 (20500) | *9300 (20500) | *7700 (16980) | *7700 (16980) |
| –3.0 m (–10') | 4650 (10250) | 2900 (6390) | | | 5250 (11570) | 3250 (7160) | 8400 (18520) | 5100 (11240) | *14600 (32190) | 10200 (22490) | | |
| –4.5 m (–15') | *7150 (15760) | 4500 (9920) | | | | | *8300 (18300) | 5350 (11790) | *11650 (25680) | 10400 (22930) | | |
| Arm length 2925 mm (9'7") | | | | | | | | | | | | |
| 7.5 m (25') | *2900 (6390) | *2900 (6390) | | | *4050 (8930) | *4050 (8930) | | | | | | |
| 6.0 m (20') | *2750 (6060) | 2600 (5730) | *3100 (6830) | 2600 (5730) | *4250 (9370) | 4100 (9040) | | | | | | |
| 4.5 m (15') | *2750 (6060) | 2150 (4740) | 4000 (8820) | 2550 (5620) | *4850 (10690) | 3900 (8600) | *5500 (12130) | *5500 (12130) | | | | |
| 3.0 m (10') | *2900 (6390) | 1900 (4190) | 3850 (8490) | 2450 (5400) | 5650 (12460) | 3650 (8050) | *7700 (16980) | 5850 (12900) | *11600 (25570) | *11600 (25570) | | |
| 1.5 m (5') | 2950 (6500) | 1800 (3970) | 3700 (8160) | 2300 (5070) | 5400 (11900) | 3400 (7500) | 8700 (19180) | 5300 (11680) | *6800 (14990) | *6800 (14990) | | |
| 0 m (0') | 3000 (6610) | 1800 (3970) | 3600 (7940) | 2200 (4850) | 5150 (11350) | 3200 (7050) | 8300 (18300) | 4950 (10910) | *5150 (11350) | *5150 (11350) | | |
| –1.5 m (–5') | 3300 (7280) | 2000 (4410) | 3550 (7830) | 2150 (4740) | 5050 (11130) | 3050 (6720) | 8100 (17860) | 4850 (10690) | *9300 (20500) | *9300 (20500) | *5150 (11350) | *5150 (11350) |
| –3.0 m (–10') | 3950 (8710) | 2400 (5290) | | | 5050 (11130) | 3100 (6830) | 8200 (18080) | 4900 (10800) | *14800 (32630) | 9850 (21720) | *9700 (21380) | *9700 (21380) |
| –4.5 m (–15') | 5700 (12570) | 3500 (7720) | | | | | 8400 (18520) | 5100 (11240) | *12950 (28550) | 10200 (22490) | | |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC200LC-8M0

Conditions:

Boom: 5700 mm (18'8"), Bucket (SAE): 0.80 m³ (1.05cu.yd), Shoes: 700 mm (28") unit: kg (lb)

| A / B | MAX | | 7.5 m (25') | | 6.0 m (20') | | 4.5 m (15') | | 3.0 m (10') | | 1.5 m (5') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 1840 mm (6') | | | | | | | | | | | | |
| 7.5 m (25') | *5100 (11240) | *5100 (11240) | | | | | *5600 (12350) | *5600 (12350) | | | | |
| 6.0 m (20') | *4800 (10580) | 4150 (9150) | | | *5550 (12240) | 4550 (10030) | *5800 (12790) | *5800 (12790) | | | | |
| 4.5 m (15') | *4900 (10800) | 3300 (7280) | 4750 (10470) | 2900 (6390) | *6000 (13230) | 4400 (9700) | *7350 (16200) | 7050 (15540) | *10350 (22820) | *10350 (22820) | | |
| 3.0 m (10') | 4850 (10690) | 2900 (6390) | 4650 (10250) | 2800 (6170) | 6900 (15210) | 4200 (9260) | *9700 (21380) | 6550 (14440) | | | | |
| 1.5 m (5') | 4650 (10250) | 2800 (6170) | 4600 (10140) | 2750 (6060) | 6700 (14770) | 4000 (8820) | *10700 (23590) | 6100 (13450) | | | | |
| 0 m (0') | 4850 (10690) | 2850 (6280) | | | 6550 (14440) | 3850 (8490) | 10600 (23370) | 5950 (13120) | | | | |
| –1.5 m (–5') | 5450 (12020) | 3250 (7170) | | | 6500 (14330) | 3800 (8380) | 10600 (23370) | 5950 (13120) | *9500 (20940) | *9500 (20940) | | |
| –3.0 m (–10') | 7150 (15760) | 4200 (9260) | | | 6650 (14660) | 3950 (8710) | *9750 (21490) | 6100 (13450) | *13000 (28660) | 12250 (27010) | | |
| Arm length 2410 mm (7'11") | | | | | | | | | | | | |
| 7.5 m (25') | *4500 (9920) | *4500 (9920) | | | | | | | | | | |
| 6.0 m (20') | *4250 (9370) | 3500 (7720) | | | *4850 (10690) | 4650 (10250) | | | | | | |
| 4.5 m (15') | *4300 (9480) | 2850 (6280) | 4900 (10800) | 3000 (6610) | *5450 (12020) | 4500 (9920) | *6400 (14110) | *6400 (14110) | | | | |
| 3.0 m (10') | 4250 (9370) | 2550 (5620) | 4800 (10580) | 2900 (6390) | *6400 (14110) | 4200 (9260) | *8650 (19070) | 6750 (14880) | | | | |
| 1.5 m (5') | 4100 (9040) | 2450 (5400) | 4700 (10360) | 2800 (6170) | 6750 (14880) | 4000 (8820) | *10550 (23260) | 6250 (13780) | | | | |
| 0 m (0') | 4250 (9370) | 2500 (5510) | 4600 (10140) | 2700 (5950) | 6550 (14440) | 3850 (8490) | 10650 (23480) | 5950 (13120) | *7000 (15430) | *7000 (15430) | | |
| –1.5 m (–5') | 4700 (10360) | 2750 (6060) | 4550 (10030) | 2700 (5950) | 6500 (14330) | 3800 (8380) | 10550 (23260) | 5900 (13010) | *9300 (20500) | *9300 (20500) | *7700 (16980) | *7700 (16980) |
| –3.0 m (–10') | 5800 (12790) | 3400 (7500) | | | 6550 (14440) | 3850 (8490) | *10350 (22820) | 6000 (13230) | *14600 (32190) | 12200 (26900) | | |
| –4.5 m (–15') | *7150 (15760) | 5250 (11570) | | | | | *8300 (18300) | 6250 (13780) | *11650 (25680) | *11650 (25680) | | |
| Arm length 2925 mm (9'7") | | | | | | | | | | | | |
| 7.5 m (25') | *2900 (6390) | *2900 (6390) | | | *4050 (8930) | *4050 (8930) | | | | | | |
| 6.0 m (20') | *2750 (6060) | *2750 (6060) | *3100 (6830) | 3050 (6720) | *4250 (9370) | *4250 (9370) | | | | | | |
| 4.5 m (15') | *2750 (6060) | 2550 (5620) | *4600 (10140) | 3000 (6610) | *4850 (10690) | 4500 (9920) | *5500 (12130) | *5500 (12130) | | | | |
| 3.0 m (10') | *2900 (6390) | 2250 (4960) | 4800 (10580) | 2850 (6280) | *5900 (13010) | 4200 (9260) | *7700 (16980) | 6800 (14990) | *11600 (25570) | *11450 (25240) | | |
| 1.5 m (5') | *3200 (7050) | 2150 (4740) | 4600 (10140) | 2750 (6060) | 6700 (14770) | 3950 (8710) | *9800 (21610) | 6250 (13780) | *6800 (14990) | *6800 (14990) | | |
| 0 m (0') | *3700 (8160) | 2200 (4850) | 4500 (9920) | 2600 (5730) | 6500 (14330) | 3750 (8270) | 10550 (23260) | 5850 (12900) | *5150 (11350) | *5150 (11350) | | |
| –1.5 m (–5') | 4150 (9150) | 2400 (5290) | 4450 (9810) | 2550 (5620) | 6350 (14000) | 3650 (8050) | 10400 (22930) | 5750 (12680) | *9300 (20500) | *9300 (20500) | *5150 (11350) | *5150 (11350) |
| –3.0 m (–10') | 4950 (10910) | 2900 (6390) | | | 6350 (14000) | 3650 (8050) | *10400 (22930) | 5800 (12790) | *14800 (32630) | 11800 (26010) | *9700 (21380) | *9700 (21380) |
| –4.5 m (–15') | *6700 (14770) | 4100 (9040) | | | | | *9100 (20060) | 6000 (13230) | *12950 (28550) | *12000 (26460) | | |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC200-7

Conditions:

Boom: 5700 mm (18'8"), Bucket (SAE): 0.80 m³ (1.05 cu.yd), Shoes: 600 mm (24") unit :kg (lb)

| A / B | MAX | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | | 1.5 m (5') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2925 mm (9'7") | | | | | | | | | | | | |
| 7.6 m (25') | *2500 (5600) | *2500 (5600) | | | *3500 (7700) | *3500 (7700) | | | | | | |
| 6.1 m (20') | *2400 (5300) | *2400 (5300) | | | *3950 (8700) | *3950 (8700) | | | | | | |
| 4.6 m (15') | *2400 (5300) | 2150 (4800) | 3950 (8800) | 2600 (5700) | *4500 (9900) | 3900 (8600) | | | | | | |
| 3.0 m (10') | *2550 (5600) | 1950 (4300) | 3850 (8500) | 2500 (5500) | *5350 (11800) | 3700 (8100) | *6750 (14900) | 5850 (12900) | *10450 (23000) | *10450 (23000) | | |
| 1.5 m (5') | *2800 (6200) | 1850 (4100) | 3750 (8300) | 2350 (5200) | 5400 (11900) | 3450 (7600) | *8550 (18900) | 5350 (11800) | *6950 (15300) | *6950 (15300) | | |
| 0 m (0') | 3050 (6700) | 1900 (4200) | 3650 (8000) | 2300 (5000) | 5200 (11500) | 3250 (7200) | 8250 (18200) | 5050 (11100) | *7400 (16400) | *7400 (16400) | | |
| –1.5 m (–5') | 3350 (7400) | 2050 (4600) | 3600 (7900) | 2250 (4900) | 5100 (11200) | 3150 (7000) | 8100 (17900) | 4900 (10800) | *10400 (22900) | 9500 (20900) | *6300 (13900) | *6300 (13900) |
| –3.0 m (–10') | 4000 (8800) | 2500 (5500) | | | 5100 (11200) | 3150 (7000) | 8100 (17900) | 4950 (10900) | *14350 (31600) | 9650 (21300) | *9800 (21600) | *9800 (21600) |
| –4.6 m (–15') | 5650 (12500) | 3550 (7900) | | | | | *8300 (18300) | 5100 (11200) | *12000 (26400) | 10000 (22000) | | |
| Arm length 2410 mm (7'11") | | | | | | | | | | | | |
| 7.6 m (25') | *4000 (8800) | *4000 (8800) | | | | | | | | | | |
| 6.1 m (20') | *3750 (8300) | 3000 (6600) | | | *4450 (9800) | 3950 (8700) | | | | | | |
| 4.6 m (15') | 3800 (8400) | 2450 (5400) | 3900 (8600) | 2500 (5600) | *4950 (10900) | 3800 (8400) | *5650 (12500) | *5650 (12500) | | | | |
| 3.0 m (10') | 3400 (7500) | 2150 (4800) | 3800 (8400) | 2450 (5400) | 5600 (12300) | 3600 (8000) | *7450 (16400) | 5700 (12600) | | | | |
| 1.5 m (5') | 3300 (7300) | 2050 (4600) | 3700 (8200) | 2350 (5200) | 5350 (11800) | 3400 (7500) | 8450 (18700) | 5250 (11500) | | | | |
| 0 m (0') | 3400 (7500) | 2100 (4700) | 3650 (8000) | 2250 (5000) | 5150 (11400) | 3250 (7100) | 8150 (18000) | 4950 (11000) | *6800 (15000) | *6800 (15000) | | |
| –1.5 m (–5') | 3750 (8300) | 2350 (5200) | | | 5100 (11200) | 3150 (7000) | 8100 (17800) | 4900 (10800) | *11400 (25100) | 9500 (21000) | *7100 (15700) | *7100 (15700) |
| –3.0 m (–10') | 4650 (10200) | 2900 (6400) | | | 5150 (11400) | 3200 (7100) | 8200 (18000) | 4950 (11000) | *13500 (29800) | 9750 (21500) | *11750 (26000) | *11750 (26000) |
| -4.6 m (–15') | *6600 (14500) | 4550 (10000) | | | | | *7400 (16300) | 5200 (11500) | *10600 (23400) | 10150 (22400) | | |
| Arm length 1840 mm (6') | | | | | | | | | | | | |
| 7.6 m (25') | *4450 (9800) | *4450 (9800) | | | | | *5050 (11100) | *5050 (11100) | | | | |
| 6.1 m (20') | *4100 (9100) | 3450 (7600) | | | *5000 (11100) | 3800 (8300) | *5250 (11600) | *5250 (11600) | | | | |
| 4.6 m (15') | 4150 (9200) | 2700 (6000) | | | *5400 (11900) | 3700 (8100) | *6400 (14100) | 6000 (13200) | *9100 (20100) | *9100 (20100) | | |
| 3.0 m (10') | 3750 (8300) | 2350 (5200) | | | 5450 (12000) | 3500 (7700) | *8000 (17600) | 5350 (11800) | | | | |
| 1.5 m (5') | 3600 (8000) | 2250 (5000) | 3650 (8100) | 2300 (5000) | 5250 (11500) | 3300 (7300) | 8250 (18200) | 5000 (11100) | | | | |
| 0 m (0') | 3750 (8200) | 2300 (5100) | | | 5100 (11200) | 3150 (7000) | 8050 (17700) | 4850 (10700) | | | | |
| –1.5 m (–5') | 4200 (9300) | 2650 (5800) | | | 5050 (11200) | 3150 (6900) | 8050 (17700) | 4850 (10700) | *12400 (27400) | 9500 (21000) | | |
| –3.0 m (–10') | 5500 (12100) | 3450 (7600) | | | | | 8200 (18100) | 5000 (11000) | *12100 (26700) | 9800 (21600) | | |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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# PC200LC-7

Conditions:

Boom: 5700 mm (18'8"), Bucket (SAE): 0.80 m³ (1.05 cu.yd), Shoes: 700 mm (28") unit: kg (lb)

| A / B | MAX | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | | 1.5 m (5') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2925 mm (9'7") | | | | | | | | | | | | |
| 7.6 m (25') | *2500 (5600) | *2500 (5600) | | | *3500 (7700) | *3500 (7700) | | | | | | |
| 6.1 m (20') | *2400 (5300) | *2400 (5300) | | | *3950 (8700) | *3950 (8700) | | | | | | |
| 4.6 m (15') | *2400 (5300) | *2400 (5300) | *4300 (9400) | 3000 (6600) | *4500 (9900) | 4500 (9900) | | | | | | |
| 3.0 m (10') | *2550 (5600) | 2300 (5100) | *4700 (10300) | 2900 (6400) | *5350 (11800) | 4250 (9400) | *6750 (14900) | *6750 (14900) | *10450 (23000) | *10450 (23000) | | |
| 1.5 m (5') | *2800 (6200) | 2200 (4900) | 4650 (10200) | 2800 (6200) | *6300 (13900) | 4000 (8900) | *8550 (18900) | 6250 (13800) | *6950 (15300) | *6950 (15300) | | |
| 0 m (0') | *3250 (7100) | 2250 (5000) | 4550 (10000) | 2700 (5900) | 6450 (14300) | 3850 (8400) | *9750 (21500) | 5900 (13000) | *7400 (16400) | *7400 (16400) | | |
| –1.5 m (–5') | *4000 (8800) | 2450 (5400) | 4500 (9900) | 2650 (5800) | 6350 (14000) | 3750 (8200) | *10100 (22300) | 5800 (12700) | *10400 (22900) | *10400 (22900) | *6300 (13900) | *6300 (13900) |
| –3.0 m (–10') | 4950 (11000) | 2950 (6500) | | | 6350 (14000) | 3750 (8200) | *9750 (21500) | 5800 (12800) | *14350 (31600) | 11500 (25400) | *9800 (21600) | *9800 (21600) |
| –4.6 m (–15') | *6150 (13600) | 4150 (9200) | | | | | *8300 (18300) | 6000 (13200) | *12000 (26400) | 11900 (26000) | | |
| Arm length 2410 mm (7'11") | | | | | | | | | | | | |
| 7.6 m (25') | *4000 (8800) | *4000 (8800) | | | | | | | | | | |
| 6.1 m (20') | *3750 (8300) | 3500 (7700) | | | *4450 (9800) | *4450 (9800) | | | | | | |
| 4.6 m (15') | *3800 (8000) | 2850 (6300) | *4350 (9600) | 2950 (6500) | *4950 (10900) | 4400 (9700) | *5650 (12500) | *5650 (12500) | | | | |
| 3.0 m (10') | *4050 (8900) | 2550 (5600) | 4700 (10400) | 2850 (6300) | *5750 (12700) | 4200 (9200) | *7450 (16400) | 6600 (14600) | | | | |
| 1.5 m (5') | 4100 (9000) | 2450 (5400) | 4600 (10200) | 2750 (6100) | *6600 (14500) | 3950 (8700) | *9050 (20000) | 6100 (13500) | | | | |
| 0 m (0') | 4200 (9300) | 2500 (5500) | 4550 (10000) | 2700 (5900) | 6450 (14200) | 3800 (8400) | *9950 (22000) | 5850 (12900) | *6800 (15000) | *6800 (15000) | | |
| –1.5 m (–5') | 4650 (10300) | 2750 (7600) | | | 6350 (14000) | 3750 (8300) | *10100 (22200) | 5800 (12900) | *11400 (25100) | *11400 (25100) | *7100 (15700) | *7100 (15700) |
| –3.0 m (–10') | 5750 (12100) | 3450 (7600) | | | 6400 (14200) | 3800 (8400) | *9400 (20700) | 5850 (12900) | *13500 (29800) | 11600 (25600) | *11750 (26000) | *11750 (26000) |
| –4.6 m (–15') | *6600 (14500) | 5300 (11700) | | | | | *7400 (16300) | 6100 (13500) | *10600 (23400) | *10600 (23400) | | |
| Arm length 1840 mm (6') | | | | | | | | | | | | |
| 7.6 m (25') | *4450 (9800) | *4450 (9800) | | | | | *5050 (11100) | *5050 (11100) | | | | |
| 6.1 m (20') | *4100 (9100) | 3950 (8800) | | | *5000 (11100) | 4350 (9600) | *5250 (11600) | *5250 (11600) | | | | |
| 4.6 m (15') | *4150 (9200) | 3150 (7000) | | | *5400 (11900) | 4250 (9400) | *6400 (14100) | *6400 (14100) | *9100 (20100) | *9100 (20100) | | |
| 3.0 m (10') | *4400 (9700) | 2800 (6200) | | | *6150 (13500) | 4050 (9000) | *8000 (17600) | 6250 (13700) | | | | |
| 1.5 m (5') | 4500 (9900) | 2650 (5900) | 4550 (10000) | 2700 (6000) | 6500 (14300) | 3850 (8500) | *9500 (20900) | 5900 (13000) | | | | |
| 0 m (0') | 4650 (10300) | 2750 (6100) | | | 6350 (14000) | 3750 (8200) | *10050 (22100) | 5700 (12600) | | | | |
| –1.5 m (–5') | 5250 (11600) | 3100 (6900) | | | 6350 (14000) | 3700 (8200) | *9800 (21600) | 5700 (12600) | *12400 (27400) | 11350 (25100) | | |
| –3.0 m (–10') | *6500 (14400) | 4050 (8900) | | | | | *8750 (19300) | 5900 (13000) | *12100 (26700) | 11700 (25800) | | |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC210-10 (UK source)

Conditions:

One-piece boom: 5700 mm, Bucketless, Shoes: 600 mm unit: kg

| A / B | MAX | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | | 1.5 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2400 mm | | | | | | | | | | | | |
| 7.5 m | *6100 | 5900 | | | | | | | | | | |
| 6.0 m | *5700 | 4300 | | | *6020 | 5150 | *6240 | *6240 | | | | |
| 4.5 m | 5080 | 3620 | | | *6520 | 5010 | *7600 | *7600 | *10410 | *10410 | | |
| 3.0 m | 4640 | 3290 | 4930 | 3500 | 6850 | 4790 | *9530 | 7100 | | | | |
| 1.5 m | 4500 | 3180 | 4830 | 3400 | 6620 | 4580 | 10110 | 6670 | | | | |
| 0 m | 4630 | 3250 | 4760 | 3340 | 6460 | 4440 | 9880 | 6480 | | | | |
| –1.5 m | 5090 | 3560 | | | 6420 | 4400 | 9850 | 6450 | *12410 | 12060 | | |
| –3.0 m | 6240 | 4310 | | | 6510 | 4480 | 9960 | 6540 | *14520 | 12270 | | |
| Arm length 2900 mm | | | | | | | | | | | | |
| 7.5 m | *4060 | *4060 | | | *4660 | *4660 | | | | | | |
| 6.0 m | *3820 | *3820 | | | *5430 | 5210 | | | | | | |
| 4.5 m | *3800 | 3290 | 5050 | 3600 | *6010 | 5050 | *6810 | *6810 | | | | |
| 3.0 m | *3930 | 3010 | 4940 | 3500 | 6890 | 4810 | *8760 | 7220 | | | | |
| 1.5 m | 4130 | 3910 | 4810 | 3380 | 6620 | 4580 | 10180 | 6720 | | | | |
| 0 m | 4220 | 2960 | 4720 | 3290 | 6430 | 4400 | 9860 | 6440 | *7200 | *7200 | | |
| –1.5 m | 4570 | 3190 | 4690 | 3270 | 6350 | 4330 | 9760 | 6360 | *11680 | *11680 | *7480 | *7480 |
| –3.0 m | 5420 | 3750 | | | 6380 | 4360 | 9820 | 6410 | *15550 | 12010 | *12100 | *12100 |
| –4.5 m | *7280 | 5230 | | | | | *9020 | 6620 | *12560 | 12380 | | |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

## PC210LC-10 (UK source)

Conditions:

One-piece boom: 5700 mm, Bucketless, Shoes: 600 mm unit: kg

| A / B | MAX | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | | 1.5 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2400 mm | | | | | | | | | | | | |
| 7.5 m | *6100 | *6100 | | | | | | | | | | |
| 6.0 m | *5700 | 4780 | | | *6020 | 5710 | *6240 | *6240 | | | | |
| 4.5 m | *5660 | 4030 | | | *6520 | 5570 | *7600 | *7600 | *10410 | *10410 | | |
| 3.0 m | 5470 | 3670 | 5810 | 3900 | *7370 | 5340 | *9530 | 7980 | | | | |
| 1.5 m | 5320 | 3560 | 5710 | 3810 | 7890 | 5130 | *11140 | 7540 | | | | |
| 0 m | 5470 | 3640 | 5640 | 3740 | 7730 | 4990 | *11820 | 7340 | | | | |
| –1.5 m | 6040 | 3990 | | | 7690 | 4950 | *11640 | 7310 | *12410 | *12410 | | |
| –3.0 m | 7450 | 4840 | | | 7780 | 5030 | *10600 | 7410 | *14520 | 14180 | | |
| Arm length 2900 mm | | | | | | | | | | | | |
| 7.5 m | *4060 | *4060 | | | *4660 | *4660 | | | | | | |
| 6.0 m | *3820 | *3820 | | | *5430 | *5430 | | | | | | |
| 4.5 m | *3800 | 3660 | *5680 | 4010 | *6010 | 5620 | *6810 | *6810 | | | | |
| 3.0 m | *3930 | 3360 | 5830 | 3900 | *6920 | 5370 | *8760 | 8100 | | | | |
| 1.5 m | *4210 | 3260 | 5700 | 3790 | *7850 | 5130 | *10570 | 7590 | | | | |
| 0 m | *4720 | 3320 | 5600 | 3700 | 7710 | 4950 | *11570 | 7300 | *7200 | *7200 | | |
| –1.5 m | 5420 | 3580 | 5570 | 3670 | 7620 | 4880 | *11700 | 7220 | *11680 | *11680 | *7480 | *7480 |
| –3.0 m | 6450 | 4220 | | | 7650 | 4910 | *11010 | 7270 | *15550 | 13920 | *12100 | *12100 |
| –4.5 m | *7280 | 5890 | | | | | *9020 | 7490 | *12560 | *12560 | | |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.


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## PC210LC-10 (USA source)

Conditions:

Boom: 5700 mm (18'8"), Bucketless, Counterweight: 4720 kg (10,406 lb) unit :kg (lb)

| A / B | MAX | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2900 mm (9'7"), Shoes: 700 mm (28") | | | | | | | | | | |
| 7.6 m (25') | *4100 (9050) | *4100 (9050) | | | | | | | | |
| 6.1 m (20') | *3850 (8500) | *3850 (8500) | | | *6500 (14400) | 6000 (13300) | | | | |
| 4.6 m (15') | *3800 (8400) | *3800 (8400) | *5250 (11550) | 4200 (9350) | *7150 (15850) | 5900 (13000) | *8000 (17700) | *8000 (17700) | | |
| 3.0 m (10') | *3950 (8700) | 3650 (8100) | 6100 (13450) | 4150 (9150) | *8250 (18250) | 5650 (12550) | *10350 (22850) | 8500 (18800) | *12800 (28300) | *12800 (28300) |
| 1.5 m (5') | *4200 (9300) | 3550 (7900) | 5950 (13200) | 4050 (8950) | 8250 (18250) | 5450 (12050) | *12550 (27750) | 8050 (17800) | | |
| 0 m (0') | *4750 (10450) | 3650 (8050) | 5900 (13000) | 3950 (8750) | 8100 (17850) | 5300 (11700) | 12650 (27950) | 7800 (17250) | *7450 (16500) | *7450 (16500) |
| –1.5 m (–5') | *5650 (12500) | 3950 (8700) | *5850 (12900) | 3950 (8750) | 8000 (17700) | 5250 (11550) | 12550 (27750) | 7750 (17100) | *12000 (26500) | *12000 (26500) |
| –3.0 m (–10') | 7000 (15450) | 4650 (10300) | | | 8050 (17800) | 5250 (11650) | 12650 (27900) | 7800 (17200) | *18500 (40850) | 14800 (32650) |
| –4.6 m (–15') | *8950 (19750) | 6600 (14550) | | | | | *10750 (23750) | 8050 (17800) | *15000 (33100) | *15000 (33100) |
| Arm length 2900 mm (9'7"), Shoes: 800 mm (31.5") | | | | | | | | | | |
| 7.6 m (25') | *4100 (9050) | *4100 (9050) | | | | | | | | |
| 6.1 m (20') | *3850 (8500) | *3850 (8500) | | | *6500 (14400) | 6100 (13400) | | | | |
| 4.6 m (15') | *3800 (8400) | *3800 (8400) | *5250 (11550) | 4250 (9450) | *7150 (15850) | 5950 (13100) | *8000 (17700) | *8000 (17700) | | |
| 3.0 m (10') | *3950 (8700) | 3700 (8200) | 6150 (13600) | 4200 (9250) | *8250 (18250) | 5700 (12650) | *10350 (22850) | 8600 (19000) | *12800 (28300) | *12800 (28300) |
| 1.5 m (5') | *4200 (9300) | 3600 (7950) | 6050 (13350) | 4100 (9050) | 8350 (18450) | 5500 (12150) | *12550 (27750) | 8150 (18000) | | |
| 0 m (0') | *4750 (10450) | 3650 (8150) | 5950 (13150) | 4000 (8850) | 8200 (18050) | 5350 (11850) | 12800 (28250) | 7900 (17400) | *7450 (16500) | *7450 (16500) |
| –1.5 m (–5') | *5650 (12500) | 4000 (8800) | *5850 (12900) | 4000 (8800) | 8100 (17900) | 5300 (11700) | 12700 (28050) | 7800 (17250) | *12000 (26500) | *12000 (26500) |
| –3.0 m (–10') | 7100 (15650) | 4700 (10400) | | | 8150 (18000) | 5350 (11800) | 12800 (28200) | 7850 (17400) | *18500 (40850) | 14950 (33000) |
| –4.6 m (–15') | *8950 (19750) | 6650 (14700) | | | | | *10750 (23750) | 8150 (18000) | *15000 (33100) | *15000 (33100) |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC210LC-10 (USA source)

Conditions:

Boom: 5700 mm (18'8"), Bucketless, Counterweight: 3600 kg (7,937 lb) unit :kg (lb)

| A / B | MAX | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2900 mm (9'7"), Shoes: 700 mm (28") | | | | | | | | | | |
| 7.6 m (25') | *4100 (9050) | *4100 (9050) | | | | | | | | |
| 6.1 m (20') | *3850 (8500) | *3850 (8500) | | | *6500 (14400) | 5350 (11850) | | | | |
| 4.6 m (15') | *3800 (8400) | 3500 (7750) | *5250 (11550) | 3700 (8250) | *7150 (15850) | 5200 (11550) | *8000 (17700) | *8000 (17700) | | |
| 3.0 m (10') | *3950 (8700) | 3200 (7100) | 5450 (12050) | 3650 (8050) | 7650 (16900) | 5000 (11050) | *10350 (22850) | 7550 (16700) | *12800 (28300) | *12800 (28300) |
| 1.5 m (5') | *4200 (9300) | 3100 (6900) | 5350 (11800) | 3550 (7800) | 7400 (16350) | 4800 (10600) | 11650 (25650) | 7100 (15650) | | |
| 0 m (0') | *4750 (10450) | 3150 (7000) | 5250 (11650) | 3450 (7650) | 7250 (16000) | 4650 (10250) | 11300 (25000) | 6850 (15100) | *7450 (16500) | *7450 (16500) |
| –1.5 m (–5') | *5250 (11550) | 3450 (7600) | 5250 (11600) | 3450 (7600) | 7150 (15800) | 4550 (10100) | 11250 (24800) | 6750 (14950) | *12000 (26500) | *12000 (26500) |
| –3.0 m (–10') | 6250 (13850) | 4050 (9000) | | | 7200 (15900) | 4600 (10200) | 11300 (24950) | 6800 (15100) | *18500 (40850) | 13000 (28700) |
| –4.6 m (–15') | *8950 (19750) | 5800 (12800) | | | | | *10750 (23750) | 7100 (15700) | *15000 (33100) | *15000 (33100) |
| Arm length 2900 mm (9'7"), Shoes: 800 mm (31.5") | | | | | | | | | | |
| 7.6 m (25') | *4100 (9050) | *4100 (9050) | | | | | | | | |
| 6.1 m (20') | *3850 (8500) | *3850 (8500) | | | *6500 (14400) | 5400 (11950) | | | | |
| 4.6 m (15') | *3800 (8400) | 3550 (7850) | *5250 (11550) | 3750 (8350) | *7150 (15850) | 5300 (11650) | *8000 (17700) | *8000 (17700) | | |
| 3.0 m (10') | *3950 (8700) | 3250 (7200) | 5500 (12200) | 3700 (8150) | 7750 (17100) | 5050 (11200) | *10350 (22850) | 7650 (16850) | *12800 (28300) | *12800 (28300) |
| 1.5 m (5') | *4200 (9300) | 3150 (6950) | 5400 (11950) | 3600 (7900) | 7500 (16550) | 4850 (10700) | 11750 (25950) | 7200 (15850) | | |
| 0 m (0') | *4750 (10450) | 3200 (7100) | 5350 (11750) | 3500 (7750) | 7300 (16200) | 4700 (10400) | 11450 (25300) | 6900 (15300) | *7450 (16500) | *7450 (16500) |
| –1.5 m (–5') | 5300 (11700) | 3500 (7700) | 5300 (11750) | 3500 (7700) | 7250 (16000) | 4650 (10250) | 11350 (25100) | 6850 (15100) | *12000 (26500) | *12000 (26500) |
| –3.0 m (–10') | 6350 (14000) | 4100 (9100) | | | 7300 (16100) | 4650 (10300) | 11450 (25250) | 6900 (15250) | *18500 (40850) | 13150 (29050) |
| –4.6 m (–15') | *8950 (19750) | 5850 (12950) | | | | | *10750 (23750) | 7200 (15850) | *15000 (33100) | 13550 (29850) |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC210LC-8 (India source)

Conditions:

Boom: 5700 mm, Bucket (SAE): 1.05 m³, Shoes: 600 mm unit: kg

| A / B | MAX | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | | 1.5 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2900 mm | | | | | | | | | | | | |
| 7.5 m | *2800 | *2800 | | | *4150 | *4150 | | | | | | |
| 6.0 m | *2650 | *2650 | *3450 | 3200 | *4250 | *4250 | | | | | | |
| 4.5 m | *2650 | 2500 | *4550 | 3150 | *4850 | 4750 | *5400 | *5400 | | | | |
| 3.0 m | *2750 | 2250 | 4900 | 3050 | *5800 | 4450 | *7350 | 7100 | *11450 | *11450 | | |
| 1.5 m | *3000 | 2200 | 4750 | 2900 | *6750 | 4150 | *9250 | 6450 | *6350 | *6350 | | |
| 0 m | *3400 | 2200 | 4600 | 2750 | 6600 | 3950 | *10450 | 6050 | *7200 | *7200 | | |
| –1.5 m | 4050 | 2400 | 4550 | 2700 | 6450 | 3800 | 10450 | 5900 | *10450 | *10450 | *6300 | *6300 |
| –3.0 m | 4800 | 2900 | | | 6450 | 3850 | *10450 | 5950 | *15250 | 11900 | *10050 | *10050 |
| –4.5 m | *6300 | 4000 | | | | | *9000 | | *12950 | 12350 | | |
| Arm length 2400 mm | | | | | | | | | | | | |
| 7.5 m | *4150 | *4150 | | | | | | | | | | |
| 6.0 m | *3950 | *3450 | | | *4750 | *4750 | | | | | | |
| 4.5 m | *3950 | 2850 | 4950 | 3100 | *5350 | 4650 | *6200 | *6200 | | | | |
| 3.0 m | 4150 | 2550 | 4850 | 3000 | *6200 | 4350 | *8050 | 6900 | | | | |
| 1.5 m | 4050 | 2450 | 4700 | 2850 | 6750 | 4100 | *9800 | 6350 | | | | |
| 0 m | 4150 | 2500 | 4600 | 2750 | 6550 | 3900 | 10550 | 6000 | *6750 | *6750 | | |
| –1.5 m | 4600 | 2750 | 4600 | 2750 | 6450 | 3850 | 10550 | 5950 | *11600 | *11600 | *7300 | *7300 |
| –3.0 m | 5650 | 3400 | | | 6550 | 3900 | *10550 | 6050 | *14500 | 12100 | *12150 | *12150 |
| –4.5 m | *6300 | 5150 | | | | | *8100 | 6300 | *11500 | *11500 | | |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC210NLC-8 (UK source)

Conditions: Boom: 5700 mm, Bucket (SAE): 0.84 m³, Shoes: 500 mm, Lifting capacities, including bucket (760 kg), bucket linkage (200 kg) and bucket cylinder (140 kg) unit: kg

| A / B | MAX | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | | 1.5 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2900 mm | | | | | | | | | | | | |
| 7.5 m | *2800 | *2800 | | | *4150 | *4150 | | | | | | |
| 6.0 m | *2650 | 2550 | *3450 | 2750 | *4250 | *4250 | | | | | | |
| 4.5 m | *2650 | 2150 | *4550 | 2700 | *4850 | 4100 | *5400 | *5400 | | | | |
| 3.0 m | *2750 | 1900 | 4950 | 2600 | *5800 | 3800 | *7350 | 6050 | *11450 | *11450 | | |
| 1.5 m | *3000 | 1800 | 4800 | 2450 | *6750 | 3550 | *9250 | 5350 | *6350 | *6350 | | |
| 0 m | *3400 | 1850 | 4650 | 2350 | 6650 | 3300 | *10450 | 5100 | *7200 | *7200 | | |
| –1.5 m | 4100 | 2000 | 4600 | 2300 | 6500 | 3150 | 10600 | 4800 | *10450 | 8800 | *6300 | *6300 |
| –3.0 m | 4850 | 2400 | | | 6550 | 3200 | *10450 | 4950 | *15250 | 9600 | *10050 | *10050 |
| –4.5 m | *6300 | 3400 | | | | | *9000 | 5150 | *12950 | 10000 | | |
| Arm length 2400 mm | | | | | | | | | | | | |
| 7.5 m | *4150 | 4150 | | | | | | | | | | |
| 6.0 m | *3950 | 2950 | | | *4750 | 4150 | | | | | | |
| 4.5 m | *3950 | 2450 | *4950 | 2650 | *5350 | 4000 | *6200 | *6200 | | | | |
| 3.0 m | *4200 | 2150 | 4900 | 2550 | *6200 | 3750 | *8050 | 5850 | | | | |
| 1.5 m | 4100 | 2050 | 4750 | 2400 | 6850 | 3500 | *9800 | 5200 | | | | |
| 0 m | 4200 | 2100 | 4650 | 2350 | 6650 | 3300 | 10700 | 5050 | *6750 | *6750 | | |
| –1.5 m | 4650 | 2300 | 4650 | 2300 | 6550 | 3200 | 10600 | 4800 | *11600 | 8900 | *7300 | *7300 |
| –3.0 m | 5700 | 2850 | | | 6600 | 3300 | *10150 | 5050 | *14500 | 9750 | *12150 | *12150 |
| –4.5 m | *6800 | 4350 | | | | | *8100 | 5300 | *11500 | 10250 | | |
| Arm length 1800 mm | | | | | | | | | | | | |
| 7.5 m | *4950 | *4950 | | | | | | | | | | |
| 6.0 m | *4550 | 3400 | | | *5450 | 4050 | *5750 | *5750 | | | | |
| 4.5 m | *4550 | 2750 | | | *5900 | 3950 | *7100 | 6300 | *10050 | *10050 | | |
| 3.0 m | 4650 | 2400 | 4850 | 2550 | *6700 | 3700 | *8900 | 5700 | | | | |
| 1.5 m | 4500 | 2300 | 4750 | 2450 | 6800 | 3450 | *10400 | 5100 | | | | |
| 0 m | 4700 | 2350 | 4700 | 2400 | 6600 | 3300 | 10650 | 5000 | | | | |
| –1.5 m | 5250 | 2650 | | | 6600 | 3250 | 10650 | 4850 | *12100 | 9050 | | |
| –3.0 m | 6750 | 3400 | | | 6800 | 3450 | *9600 | 5200 | *13150 | 10000 | | |
| –4.5 m | | | | | | | | | | | | |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC220-8

Conditions: Boom: 5850 mm (19'2"), Bucket (SAE): 1.0 m³ (1.31 cu.yd), Shoes: 600 mm (24") unit: kg (lb)

| A / B | MAX | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | | 1.5 m (5') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3045 mm (10'0") | | | | | | | | | | | | |
| 7.6 m (25') | *3150 (7000) | *3150 (7000) | | | *4300 (9500) | *4300 (9500) | | | | | | |
| 6.1 m (20') | *3050 (6700) | *3050 (6700) | *4050 (8900) | 3500 (7800) | *4500 (9900) | *4500 (9900) | | | | | | |
| 4.6 m (15') | *3050 (6700) | 2750 (6000) | 5050 (11100) | 3450 (7600) | *5250 (11600) | *5200 (11400) | | | | | | |
| 3.0 m (10') | *3250 (7100) | 2450 (5500) | 4900 (10800) | 3350 (7400) | *6450 (14200) | 4900 (10800) | *8150 (17900) | 7800 (17200) | *12850 (28300) | *12850 (28300) | | |
| 1.5 m (5') | *3550 (7800) | 2350 (5200) | 4750 (10400) | 3200 (7000) | 6850 (15100) | 4600 (10100) | *10550 (23300) | 7150 (15700) | *7400 (16300) | *7400 (16300) | | |
| 0 m (0') | 3650 (8100) | 2400 (5300) | 4600 (10100) | 3050 (6700) | 6550 (14500) | 4350 (9600) | 10500 (23200) | 6700 (14800) | *8400 (18500) | *8400 (18500) | | |
| –1.5 m (–5') | 4000 (8800) | 2600 (5800) | 4550 (10000) | 3000 (6600) | 6450 (14200) | 4200 (9300) | 10300 (22700) | 6550 (14400) | *12000 (26400) | *12000 (26400) | *7450 (16400) | *7450 (16400) |
| –3.0 m (–10') | 4700 (10400) | 3100 (6900) | | | 6400 (14200) | 4200 (9300) | 10350 (22800) | 6550 (14400) | *17300 (38100) | 13100 (28900) | *11150 (25500) | *11150 (25500) |
| –4.6 m (–15') | 6500 (14300) | 4300 (9500) | | | 6600 (14500) | 4350 (9600) | *10550 (23300) | 6750 (14900) | *16550 (36500) | 13500 (29800) | | |
| Arm length 2500 mm (8'2") | | | | | | | | | | | | |
| 7.6 m (25') | *5150 (11400) | *5150 (11400) | | | | | | | | | | |
| 6.1 m (20') | *4850 (10700) | 4100 (9100) | | | *5700 (12500) | 5100 (11300) | | | | | | |
| 4.6 m (15') | 4900 (10800) | 3300 (7300) | | | *6350 (14000) | 4950 (10900) | *7450 (16500) | *7450 (16500) | *10600 (23400) | *10600 (23400) | | |
| 3.0 m (10') | 4400 (9700) | 2950 (6500) | 4750 (10400) | 3200 (7000) | 6900 (15200) | 4650 (10300) | *9650 (21300) | 7100 (15700) | | | | |
| 1.5 m (5') | 4250 (9400) | 2800 (6200) | 4600 (10200) | 3050 (6800) | 6600 (14600) | 4400 (9700) | 10500 (23100) | 6700 (14800) | | | | |
| 0 m (0') | 4400 (9700) | 2900 (6400) | 4550 (10000) | 3000 (6600) | 6400 (14200) | 4200 (9300) | 10200 (22500) | 6450 (14200) | | | | |
| –1.5 m (–5') | 4900 (10800) | 3250 (7100) | | | 6350 (14100) | 4150 (9200) | 10200 (22500) | 6450 (14200) | *13950 (30800) | 12900 (28400) | | |
| –3.0 m (–10') | 6200 (13700) | 4100 (9100) | | | 6500 (14300) | 4300 (9400) | 10400 (22900) | 6600 (14600) | *16750 (36900) | 13250 (29200) | | |
| –4.6 m (–15') | *8900 (19500) | 6800 (15000) | | | | | *9100 (20100) | 7000 (15500) | | | | |
| Arm length 2000 mm (6'7") | | | | | | | | | | | | |
| 7.6 m (25') | *4950 (11000) | *4950 (11000) | | | *5000 (11100) | *5000 (11100) | | | | | | |
| 6.1 m (20') | *4750 (10500) | 3750 (8300) | | | *5100 (11300) | *5100 (11300) | | | | | | |
| 4.6 m (15') | 4550 (10000) | 3100 (6800) | 4950 (10900) | 3350 (7400) | *5850 (12900) | 5050 (11100) | *6650 (14700) | *6650 (14700) | | | | |
| 3.0 m (10') | 4100 (9100) | 2750 (6100) | 4800 (10600) | 3250 (7200) | *6950 (15300) | 4750 (10500) | *9000 (19900) | 7500 (16600) | | | | |
| 1.5 m (5') | 3950 (8700) | 2600 (5800) | 4650 (10300) | 3100 (6900) | 6700 (14800) | 4450 (9900) | 10700 (23600) | 6900 (15200) | | | | |
| 0 m (0') | 4050 (9000) | 2700 (5900) | 4550 (10000) | 3000 (6600) | 6450 (14300) | 4250 (9400) | 10300 (22800) | 6550 (14500) | *7850 (17300) | *7850 (17300) | | |
| –1.5 m (–5') | 4500 (9900) | 2950 (6500) | 4500 (10000) | 3000 (6600) | 6400 (14100) | 4200 (9200) | 10200 (22500) | 6450 (14300) | *13400 (29500) | 12850 (28300) | *8650 (19000) | *8650 (19000) |
| –3.0 m (–10') | 5500 (12100) | 3650 (8000) | | | 6450 (14200) | 4250 (9300) | 10350 (22800) | 6550 (14500) | *17900 (39500) | 13100 (28900) | *14150 (31200) | *14150 (31200) |
| –4.6 m (–15') | *8350 (18400) | 5500 (12100) | | | | | *10250 (22600) | 6650 (14700) | *14950 (32900) | 13650 (30100) | | |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC220LC-8

Conditions: Boom: 5850 mm (19'2"), Bucket (SAE): 1.0 m³ (1.31 cu.yd), Shoes: 700 mm (28") unit: kg (lb)

| A / B | MAX | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | | 1.5 m (5') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3045 mm (10'0") | | | | | | | | | | | | |
| 7.6 m (25') | *3150 (7000) | *3150 (7000) | | | *4300 (9500) | *4300 (9500) | | | | | | |
| 6.1 m (20') | *3050 (6700) | *3050 (6700) | *4050 (8900) | *4050 (8900) | *4500 (9900) | *4500 (9900) | | | | | | |
| 4.6 m (15') | *3050 (6700) | *3050 (6700) | *5050 (11100) | 4000 (8800) | *5250 (11600) | *5250 (11600) | | | | | | |
| 3.0 m (10') | *3250 (7100) | 2900 (6400) | *5650 (12500) | 3850 (8500) | *6450 (14200) | 5650 (12400) | *8150 (17900) | *8150 (17900) | *12850 (28300) | *12850 (28300) | | |
| 1.5 m (5') | *3550 (7800) | 2800 (6200) | 5800 (12800) | 3700 (8200) | *7700 (17000) | 5350 (11700) | *10550 (23300) | 8300 (18300) | *7400 (16300) | *7400 (16300) | | |
| 0 m (0') | *4050 (9000) | 2850 (6300) | 5650 (12500) | 3600 (7900) | 8100 (17900) | 5100 (11200) | *12200 (26900) | 7900 (17400) | *8400 (18500) | *8400 (18500) | | |
| –1.5 m (–5') | 4900 (10800) | 3100 (6800) | 5600 (12300) | 3500 (7800) | 7950 (17500) | 4950 (10900) | *12900 (28400) | 7700 (17000) | *12000 (26400) | 12000 (26400) | *7450 (16400) | *7450 (16400) |
| –3.0 m (–10') | 5800 (12800) | 3650 (8100) | | | 7950 (17500) | 4950 (10900) | *12700 (28000) | 7750 (17000) | *17300 (38100) | 15700 (34600) | *11500 (25500) | *11500 (25500) |
| –4.6 m (–15') | *7950 (17600) | 5050 (11100) | | | *8100 (17800) | 5100 (11300) | *11350 (25100) | 7950 (17500) | *16550 (36500) | 16150 (35600) | | |
| Arm length 2500 mm (8'2") | | | | | | | | | | | | |
| 7.6 m (25') | *5150 (11400) | *5150 (11400) | | | | | | | | | | |
| 6.1 m (20') | *4850 (10700) | 4750 (10500) | | | *5700 (12500) | *5700 (12500) | | | | | | |
| 4.6 m (15') | *4900 (10800) | 3850 (8500) | | | *6350 (14000) | 5700 (12500) | *7450 (16500) | *7450 (16500) | *10600 (23400) | *10600 (23400) | | |
| 3.0 m (10') | *5200 (11500) | 3450 (7600) | *5800 (12800) | 3700 (8200) | *7350 (16300) | 5400 (11900) | *9650 (21300) | 8300 (18300) | | | | |
| 1.5 m (5') | 5200 (11500) | 3300 (7300) | 5650 (12500) | 3600 (7900) | 8150 (18000) | 5100 (11300) | *11750 (25900) | 7850 (17300) | | | | |
| 0 m (0') | 5400 (11900) | 3400 (7500) | 5600 (12300) | 3500 (7700) | 7950 (17500) | 4950 (10900) | *12700 (28000) | 7600 (16800) | | | | |
| –1.5 m (–5') | 6050 (13300) | 3800 (8400) | | | 7900 (17400) | 4900 (10800) | *12700 (28000) | 7600 (16800) | *13950 (30800) | *13950 (30800) | | |
| –3.0 m (–10') | *7650 (16600) | 4800 (10600) | | | 8050 (17700) | 5000 (11100) | *11800 (26100) | 7750 (17100) | *16750 (36900) | *15850 (34900) | | |
| –4.6 m (–15') | *8900 (19600) | 7950 (17500) | | | | | *9100 (20100) | 8200 (18000) | | | | |
| Arm length 2000 mm (6'7") | | | | | | | | | | | | |
| 7.6 m (25') | *4950 (11000) | *4950 (11000) | | | *5000 (11100) | *5000 (11100) | | | | | | |
| 6.1 m (20') | *4750 (10500) | 4350 (9600) | | | *5100 (11300) | *5100 (11300) | | | | | | |
| 4.6 m (15') | *4850 (10700) | 3600 (7900) | *5500 (12200) | 3900 (8600) | *5850 (12900) | 5800 (12800) | *6650 (14700) | *6650 (14700) | | | | |
| 3.0 m (10') | 5050 (11100) | 3250 (7100) | 5900 (13000) | 3800 (8400) | *6950 (15300) | 5500 (12100) | *9000 (19900) | 8700 (19200) | | | | |
| 1.5 m (5') | 4850 (10800) | 3100 (5800) | 5700 (12600) | 3650 (8000) | *8100 (17900) | 5200 (11500) | *11200 (24800) | 8050 (17800) | | | | |
| 0 m (0') | 5000 (11100) | 3150 (7000) | 5600 (12400) | 3550 (7800) | 8000 (17600) | 5000 (11000) | *12500 (27600) | 7700 (17000) | *7850 (17300) | *7850 (17300) | | |
| –1.5 m (–5') | 5550 (12200) | 3500 (7700) | 5550 (12300) | 3500 (7700) | 7900 (17400) | 4900 (10800) | *12850 (28300) | 7650 (16800) | *13400 (29500) | *13400 (29500) | *8650 (19000) | *8650 (19000) |
| –3.0 m (–10') | 6800 (14900) | 4250 (9400) | | | 7950 (17600) | 4950 (10900) | *12300 (27100) | 7700 (17000) | *17900 (39500) | 15700 (34700) | *14150 (31200) | *14150 (31200) |
| –4.6 m (–15') | *8750 (19300) | 6400 (14100) | | | | | *10250 (22600) | 7800 (17200) | *14950 (32900) | *14950 (32900) | | |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC220-8M0

Conditions:

Boom: 5850 mm (19'2"), Bucket (SAE): 1.0 m³ (1.31 cu.yd), Shoes: 600 mm (24") unit: kg (lb)

| A / B | MAX | | 7.5 m (25') | | 6.0 m (20') | | 4.5 m (15') | | 3.0 m (10') | | 1.5 m (5') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2000 mm (6'7") | | | | | | | | | | | | |
| 7.5 m (25') | *5400 (11900) | *5400 (11900) | | | | | | | | | | |
| 6.0 m (20') | *5150 (11400) | 4200 (9300) | | | *5750 (12700) | 5300 (11700) | | | | | | |
| 4.5 m (15') | 5000 (11000) | 3400 (7500) | 5000 (11000) | 3400 (7500) | *6500 (14300) | 5050 (11100) | *7950 (17500) | *7950 (17500) | *11200 (24700) | *11200 (24700) | | |
| 3.0 m (10') | 4500 (9900) | 3050 (6700) | 4900 (10800) | 3300 (7300) | 7100 (15650) | 4800 (10600) | *10950 (24100) | 7500 (16500) | | | | |
| 1.5 m (5') | 4350 (9600) | 2900 (6400) | 4750 (10500) | 3150 (6900) | 6800 (15000) | 4500 (9900) | 10850 (23900) | 6950 (15300) | | | | |
| 0 m (0') | 4500 (9900) | 2950 (6500) | 4650 (10300) | 3050 (6700) | 6600 (14600) | 4350 (9600) | 10600 (23400) | 6750 (14900) | | | | |
| –1.5 m (–5') | 5000 (11000) | 3300 (7300) | | | 6550 (14400) | 4300 (9500) | 10650 (23500) | 6750 (14900) | *8900 (19600) | *8900 (19600) | | |
| –3.0 m (–10') | 6350 (14000) | 4200 (9300) | | | 6700 (14800) | 4400 (9700) | 10800 (23800) | 6900 (15200) | *16650 (36700) | 13950 (30800) | | |
| –4.5 m (–15') | *8950 (19700) | 6850 (15100) | | | | | *9550 (21100) | 7200 (15900) | | | | |
| Arm length 2500 mm (8'2") | | | | | | | | | | | | |
| 7.5 m (25') | *5300 (11700) | *5300 (11700) | | | *5250 (11600) | *5250 (11600) | | | | | | |
| 6.0 m (20') | *5100 (11200) | 3900 (8600) | | | *5200 (11500) | *5200 (11500) | | | | | | |
| 4.5 m (15') | 4700 (10400) | 3200 (7100) | 5150 (11400) | 3500 (7700) | *6000 (13200) | 5200 (11500) | *7100 (15700) | *7100 (15700) | | | | |
| 3.0 m (10') | 4250 (9400) | 2850 (6300) | 5000 (11000) | 3350 (7400) | 7200 (15900) | 4900 (10800) | *9900 (21800) | 7750 (17100) | | | | |
| 1.5 m (5') | 4100 (9000) | 2750 (6050) | 4800 (10600) | 3200 (7100) | 6900 (15200) | 4600 (10100) | 11050 (24400) | 7100 (15700) | | | | |
| 0 m (0') | 4200 (9300) | 2750 (6100) | 4700 (10400) | 3100 (6800) | 6700 (14800) | 4400 (9700) | 10700 (23600) | 6800 (15000) | | | | |
| –1.5 m (–5') | 4600 (10100) | 3050 (6700) | 4650 (10300) | 3050 (6700) | 6600 (14600) | 4300 (9500) | 10600 (23400) | 6700 (14800) | *10100 (22300) | *10100 (22300) | *8950 (19700) | *8950 (19700) |
| –3.0 m (–10') | 5650 (12500) | 3700 (8200) | | | 6650 (14700) | 4350 (9600) | 10750 (23700) | 6850 (15100) | *17950 (39600) | 13900 (30600) | *10050 (22200) | *10050 (22200) |
| –4.5 m (–15') | 8500 (18700) | 5600 (12400) | | | | | *10700 (23600) | 7100 (15700) | *15150 (33400) | 14150 (31200) | | |
| Arm length 3045 mm (9'12") | | | | | | | | | | | | |
| 7.5 m (25') | *3350 (7400) | *3350 (7400) | | | *4350 (9600) | *4350 (9600) | | | | | | |
| 6.0 m (20') | *3200 (7100) | *3200 (7100) | *4700 (10400) | 3650 (8100) | *4450 (9800) | *4450 (9800) | | | | | | |
| 4.5 m (15') | *3250 (7200) | 2750 (6100) | *5050 (11100) | 3550 (7800) | *5300 (11700) | 5300 (11700) | | | | | | |
| 3.0 m (10') | *3400 (7500) | 2500 (5500) | 5000 (11000) | 3350 (7400) | *6600 (14600) | 4950 (10900) | *8700 (19200) | 7900 (17400) | *11950 (26350) | *11950 (26350) | | |
| 1.5 m (5') | 3600 (7900) | 2350 (5200) | 4800 (10600) | 3200 (7100) | 6950 (15300) | 4600 (10100) | 10950 (24100) | 7200 (15800) | *6750 (14900) | *6750 (14900) | | |
| 0 m (0') | 3650 (8100) | 2400 (5300) | 4650 (10300) | 3050 (6700) | 6650 (14700) | 4350 (9600) | 10650 (23500) | 6750 (14900) | *8250 (18190) | *8250 (18200) | | |
| –1.5 m (–5') | 4000 (8800) | 2600 (5700) | 4550 (10000) | 3000 (6600) | 6500 (14300) | 4200 (9300) | 10500 (23200) | 6600 (14600) | *9850 (21700) | *9850 (21700) | *7650 (16900) | *7650 (16900) |
| –3.0 m (–10') | 4700 (10400) | 3100 (6800) | 4600 (10100) | 3000 (6600) | 6500 (14300) | 4200 (9300) | 10550 (23300) | 6650 (14700) | *17800 (39250) | 13550 (29900) | *10600 (23400) | *10600 (23400) |
| –4.5 m (–15') | 6450 (14200) | 4250 (9400) | | | 6700 (14800) | 4400 (9700) | 6900 (23800) | 6900 (15200) | *16550 (36490) | 14000 (30900) | | |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC220LC-8M0

Conditions:

Boom: 5850 mm (19'2"), Bucket (SAE): 1.0 m³ (1.31 cu.yd), Shoes: 700 mm (27.5") unit: kg (lb)

| A / B | MAX | | 7.5 m (25') | | 6.0 m (20') | | 4.5 m (15') | | 3.0 m (10') | | 1.5 m (5') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2000 mm (6'7") | | | | | | | | | | | | |
| 7.5 m (25') | *5400 (11900) | *5400 (11900) | | | | | | | | | | |
| 6.0 m (20') | *5150 (11400) | 4850 (10700) | | | *5750 (12700) | *5750 (12700) | | | | | | |
| 4.5 m (15') | *5200 (11500) | 3950 (8700) | *6000 (13200) | 3950 (8700) | *6500 (14300) | 5850 (12900) | *7950 (17500) | *7950 (17500) | *11200 (24700) | *11200 (24700) | | |
| 3.0 m (10') | *5500 (12100) | 3550 (7800) | 6000 (13200) | 3850 (8500) | *7650 (16900) | 5550 (12200) | *10950 (24100) | 8700 (19200) | | | | |
| 1.5 m (5') | 5350 (11800) | 3400 (7500) | 5850 (12900) | 3700 (8200) | 8400 (18500) | 5300 (11700) | *12200 (26900) | 8150 (18000) | | | | |
| 0 m (0') | 5500 (12100) | 3500 (7700) | 5750 (12700) | 3600 (7900) | 8200 (18100) | 5100 (11200) | *13050 (28800) | 7900 (17400) | | | | |
| –1.5 m (–5') | 6150 (13600) | 3900 (8600) | | | 8150 (18000) | 5050 (11100) | *13000 (28700) | 7950 (17500) | *8900 (19600) | *8900 (19600) | | |
| –3.0 m (–10') | 7800 (17200) | 4900 (10800) | | | 8250 (18200) | 5150 (11400) | *12100 (26700) | 8100 (17900) | *16650 (36700) | *16650 (36700) | | |
| –4.5 m (–15') | *8950 (19700) | 8000 (17600) | | | | | *9550 (21100) | 8400 (18500) | | | | |
| Arm length 2500 mm (8'2") | | | | | | | | | | | | |
| 7.5 m (25') | *5300 (11700) | *5300 (11700) | | | *5250 (11600) | *5250 (11600) | | | | | | |
| 6.0 m (20') | *5100 (11200) | 4450 (9800) | | | *5200 (11500) | *5200 (11500) | | | | | | |
| 4.5 m (15') | *5200 (11500) | 3700 (8200) | *5600 (12400) | 4100 (9000) | *6000 (13200) | *6000 (13200) | *7100 (15700) | *7100 (15700) | | | | |
| 3.0 m (10') | 5200 (11500) | 3350 (7400) | 6050 (12300) | 3900 (8600) | *7250 (16000) | 5650 (12500) | *9900 (21800) | 8950 (19700) | | | | |
| 1.5 m (5') | 5000 (11000) | 3200 (7100) | 5900 (13000) | 3750 (8300) | 8450 (18600) | 5350 (11800) | *12200 (26900) | 8300 (18300) | | | | |
| 0 m (0') | 5150 (11400) | 3250 (7200) | 5800 (12800) | 3650 (8100) | 8250 (18200) | 5150 (11400) | *13050 (28800) | 7950 (17500) | | | | |
| –1.5 m (–5') | 5700 (12600) | 3600 (7900) | 5750 (12700) | 3600 (7900) | 8150 (18000) | 5050 (11100) | *13100 (28900) | 7900 (17400) | *10100 (22300) | *10100 (22300) | *8950 (19700) | *8950 (19700) |
| –3.0 m (–10') | 6950 (15300) | 4350 (9600) | | | 8200 (18100) | 5100 (11200) | *12550 (27000) | 8000 (17600) | *17950 (39600) | *16450 (36300) | *10050 (22200) | *10050 (22200) |
| –4.5 m (–15') | *8800 (19400) | 6500 (14300) | | | | | *10700 (23600) | 8300 (18300) | *15150 (33400) | *15150 (33400) | | |
| Arm length 3045 mm (9'12") | | | | | | | | | | | | |
| 7.5 m (25') | *3350 (7400) | *3350 (7400) | | | *4350 (9600) | *4350 (9600) | | | | | | |
| 6.0 m (20') | *3200 (7100) | *3200 (7100) | *4700 (10400) | 4200 (9300) | *4450 (9800) | *4450 (9800) | | | | | | |
| 4.5 m (15') | *3250 (7200) | 3250 (7200) | *5050 (11100) | 4100 (9000) | *5300 (11700) | *5300 (11700) | | | | | | |
| 3.0 m (10') | *3400 (7500) | 2900 (6400) | *5650 (12500) | 3900 (8600) | *6600 (14600) | 5700 (12600) | *8700 (19200) | *8700 (19200) | *11950 (26400) | *11950 (26400) | | |
| 1.5 m (5') | *3750 (8300) | 2800 (6200) | 5900 (13000) | 3750 (8300) | *7900 (17400) | 5350 (11800) | *11300 (24900) | 8400 (18500) | *6750 (14900) | *6750 (14900) | | |
| 0 m (0') | *4250 (9400) | 2850 (6300) | 5750 (12700) | 3600 (7900) | 8250 (18200) | 5100 (11200) | *12650 (27900) | 7950 (17500) | *8250 (18200) | *8250 (18200) | | |
| –1.5 m (–5') | 4950 (10900) | 3100 (6800) | 5650 (12500) | 3550 (7800) | 8050 (17800) | 4950 (10900) | *12950 (28600) | 7800 (17200) | *9850 (21700) | *9850 (21700) | *7650 (16900) | *7650 (16900) |
| –3.0 m (–10') | 5800 (12800) | 3650 (8100) | 5700 (12600) | 3550 (7800) | 8050 (17800) | 5000 (11000) | *12750 (28100) | 7850 (17300) | *17800 (39200) | 16250 (35800) | *10600 (23400) | *10600 (23400) |
| –4.5 m (–15') | *7900 (17400) | 5000 (11000) | | | *8200 (18100) | 5150 (11400) | *11550 (25500) | 8100 (17900) | *16550 (36500) | *16550 (36500) | | |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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# PC220-7

Conditions:

Conditions: Boom: 5850 mm (19'2"), Bucket (SAE): 1.0 m³ (1.31 cu.yd), Shoes: 600 mm (24") unit: kg (lb)

| A / B | MAX | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | | 1.5 m (5') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3045 mm (10'0") | | | | | | | | | | | | |
| 7.6 m (25') | *2900 (6400) | *2900 (6400) | | | *3900 (8700) | *3900 (8700) | | | | | | |
| 6.1 m (20') | *2750 (6100) | *2750 (6100) | *3700 (8200) | 3500 (7800) | *4100 (9000) | *4100 (9000) | | | | | | |
| 4.6 m (15') | *2800 (6200) | 2750 (6000) | *4600 (10100) | 3450 (7600) | *4800 (10600) | *4800 (10600) | | | | | | |
| 3.0 m (10') | *2950 (6500) | 2450 (5500) | 4900 (10800) | 3350 (7400) | *5900 (13000) | 4900 (10800) | *7450 (17900) | *7450 (17900) | *11800 (26000) | *11800 (26000) | | |
| 1.5 m (5') | *3250 (7200) | 2350 (5200) | 4750 (10400) | 3200 (7000) | 6850 (15100) | 4600 (10100) | *9700 (21400) | 7150 (15700) | *6850 (15100) | *6850 (15100) | | |
| 0 m (0') | 3650 (8100) | 2400 (5300) | 4600 (10100) | 3050 (6700) | 6550 (14500) | 4350 (9600) | 10500 (23200) | 6700 (14800) | *7800 (17100) | *7800 (17100) | | |
| –1.5 m (–5') | 4000 (8800) | 2600 (5800) | 4550 (10000) | 3000 (6600) | 6450 (14200) | 4200 (9300) | 10300 (22700) | 6550 (14400) | *11150 (24600) | *11150 (24600) | *6900 (15200) | *6900 (15200) |
| –3.0 m (–10') | 4700 (10400) | 3100 (6900) | | | 6400 (14200) | 4200 (9300) | 10350 (22800) | 6550 (14500) | *16050 (35400) | 13100 (28900) | *10750 (23700) | *10750 (23700) |
| –4.6 m (–15') | 6500 (14300) | 4300 (9500) | | | 6600 (14500) | 4350 (9600) | *10400 (23000) | 6750 (14900) | *15200 (33500) | 13500 (29800) | | |
| Arm length 2500 mm (8'2") | | | | | | | | | | | | |
| 7.6 m (25') | *4600 (10100) | *4600 (10100) | | | *4650 (10200) | *4650 (10200) | | | | | | |
| 6.1 m (20') | *4400 (9700) | 3750 (8300) | | | *4650 (10300) | *4650 (10300) | | | | | | |
| 4.6 m (15') | *4450 (9800) | 3100 (6800) | 4950 (10900) | 3350 (7400) | *5350 (11700) | 5050 (11100) | *6100 (13500) | *6100 (13500) | | | | |
| 3.0 m (10') | 4100 (9100) | 2750 (6100) | 4800 (10600) | 3250 (7200) | *6350 (14000) | 4750 (10500) | 8250 (18200) | 7500 (16600) | | | | |
| 1.5 m (5') | 3950 (8700) | 2600 (5800) | 4650 (10300) | 3100 (6900) | 6700 (14800) | 4450 (9900) | *10300 (22700) | 6900 (15200) | | | | |
| 0 m (0') | 4050 (9000) | 2700 (5900) | 4550 (10000) | 3000 (6600) | 6450 (14300) | 4250 (9400) | 10300 (22800) | 6550 (14500) | *7250 (16000) | *7250 (16000) | | |
| –1.5 m (–5') | 4500 (9900) | 2950 (6500) | 4500 (10000) | 3000 (6600) | 6400 (14100) | 4200 (9200) | 10200 (22500) | 6450 (14300) | *12450 (27400) | *12450 (27400) | *8000 (17700) | *8000 (17700) |
| –3.0 m (–10') | 5500 (12100) | 3650 (8000) | | | 6450 (14200) | 4250 (9300) | 10350 (22800) | 6550 (14500) | *16450 (36300) | 13100 (28900) | *13150 (29000) | *13150 (29000) |
| –4.6 m (–15') | *8000 (17600) | 5500 (12100) | | | | | *9350 (20600) | 6650 (14700) | *13700 (30200) | 13650 (30100) | | |
| Arm length 2000 mm (6'7") | | | | | | | | | | | | |
| 7.6 m (25') | *4750 (10500) | *4750 (10500) | | | | | | | | | | |
| 6.1 m (20') | *4500 (9900) | 4100 (9100) | | | *5200 (11400) | 5100 (11300) | | | | | | |
| 4.6 m (15') | *4550 (10000) | 3300 (7300) | | | *5800 (12800) | 4950 (10900) | *6850 (15100) | *6850 (15100) | *9750 (21500) | *9750 (21500) | | |
| 3.0 m (10') | 4400 (9700) | 2950 (6500) | 4750 (10400) | 3200 (7000) | *6750 (14900) | 4650 (10300) | *8850 (19500) | 7100 (15700) | | | | |
| 1.5 m (5') | 4250 (9400) | 2800 (6200) | 4600 (10200) | 3050 (6800) | 6600 (14600) | 4400 (9700) | 10500 (23100) | 6700 (14800) | | | | |
| 0 m (0') | 4400 (9700) | 2900 (6400) | 4550 (10000) | 3000 (6600) | 6400 (14200) | 4200 (9300) | 10200 (22500) | 6450 (14200) | | | | |
| –1.5 m (–5') | 4900 (10800) | 3250 (7100) | | | 6350 (14100) | 4150 (9200) | 10200 (22500) | 6450 (14200) | *13000 (28600) | 12900 (28400) | | |
| –3.0 m (–10') | 6200 (13700) | 4100 (9100) | | | 6500 (14300) | 4300 (9400) | 10400 (22900) | 6600 (14600) | *15350 (33900) | 13250 (29200) | | |
| –4.6 m (–15') | *8150 (17900) | 6800 (15000) | | | | | *8350 (18400) | 7700 (15500) | | | | |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC220LC-7

Conditions:

Boom: 5850 mm (19'2"), Bucket (SAE): 1.0 m³ (1.31 cu.yd), Shoes: 700 mm (28") unit: kg (lb)

| A / B | MAX | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | | 1.5 m (5') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3045 mm (10'0") | | | | | | | | | | | | |
| 7.6 m (25') | *2900 (6400) | *2900 (6400) | | | *3900 (8700) | *3900 (8700) | | | | | | |
| 6.1 m (20') | *2750 (6100) | *2750 (6100) | *3700 (8200) | *3700 (8200) | *4100 (9000) | *4100 (9000) | | | | | | |
| 4.6 m (15') | *2800 (6200) | *2800 (6200) | *4600 (10100) | 4000 (8800) | *4800 (10600) | *4800 (10600) | | | | | | |
| 3.0 m (10') | *2950 (6500) | 2900 (6400) | *5150 (11400) | 3850 (8500) | *5900 (13000) | 5650 (12400) | *7450 (16500) | *7450 (16500) | *11800 (26000) | *11800 (26000) | | |
| 1.5 m (5') | *3250 (7200) | 2800 (6200) | *5800 (12800) | 3700 (8200) | *7050 (15500) | 5350 (11700) | *9700 (21400) | 8300 (18300) | *6850 (15100) | *6850 (15100) | | |
| 0 m (0') | *3750 (8300) | 2850 (6300) | 5650 (12500) | 3600 (7900) | *8000 (17600) | 5100 (11200) | *11200 (24700) | 7900 (17400) | *7800 (17100) | *7800 (17100) | | |
| –1.5 m (–5') | *4600 (10100) | 3100 (6800) | 5600 (12300) | 3500 (7800) | 7950 (17500) | 4950 (10900) | *11800 (26100) | 7700 (17000) | *11150 (24600) | 11150 (24600) | *6900 (15200) | *6900 (15200) |
| –3.0 m (–10') | 5800 (12800) | 3650 (8100) | | | 7950 (17500) | 4950 (10900) | *11650 (25700) | 7750 (17000) | *16050 (35400) | 15700 (34600) | *10750 (23700) | *10750 (23700) |
| –4.6 m (–15') | *7250 (16000) | 5050 (11100) | | | *7400 (16300) | 5100 (1130) | *10400 (23000) | 7950 (17500) | *15200 (33500) | *15200 (33500) | | |
| Arm length 2500 mm (8'2") | | | | | | | | | | | | |
| 7.6 m (25') | *4600 (10100) | *4600 (10100) | | | *4650 (10200) | *4650 (10200) | | | | | | |
| 6.1 m (20') | *4400 (9700) | 4350 (9600) | | | *4650 (10300) | *4650 (10300) | | | | | | |
| 4.6 m (15') | *4450 (9800) | 3600 (7900) | *5000 (11100) | 3900 (8600) | *5350 (11700) | *5350 (11700) | *6100 (13500) | *6100 (13500) | | | | |
| 3.0 m (10') | *4750 (10500) | 3250 (7100) | *5500 (12100) | 3800 (8400) | *6350 (14000) | 5500 (12100) | *8250 (18200) | *8250 (18200) | | | | |
| 1.5 m (5') | 4850 (10800) | 3100 (5800) | 5700 (12600) | 3650 (8000) | *7400 (16300) | 5200 (11500) | *10300 (22700) | 8050 (17800) | | | | |
| 0 m (0') | 5000 (11100) | 3150 (7000) | 5600 (12400) | 3550 (7800) | 8000 (17600) | 5000 (11000) | *11450 (25300) | 7700 (17000) | *7250 (16000) | *7250 (16000) | | |
| –1.5 m (–5') | 5550 (12200) | 3500 (7700) | 5550 (12300) | 3500 (7700) | 7900 (17400) | 4900 (10800) | *11800 (26000) | 7650 (16800) | *12450 (27400) | *12450 (27400) | *8000 (17700) | *8000 (17700) |
| –3.0 m (–10') | 6800 (14900) | 4250 (9400) | | | 7950 (17600) | 4950 (10900) | *11250 (24900) | 7700 (17000) | *16450 (36300) | 15700 (34700) | *13150 (29000) | *13150 (29000) |
| –4.6 m (–15') | *8000 (17600) | 6400 (14100) | | | | | *9350 (20600) | 7800 (17200) | *13700 (30200) | *13700 (30200) | | |
| Arm length 2000 mm (6'7") | | | | | | | | | | | | |
| 7.6 m (25') | *4750 (10500) | *4750 (10500) | | | | | | | | | | |
| 6.1 m (20') | *4500 (9900) | *4500 (9900) | | | *5200 (11400) | *5200 (11400) | | | | | | |
| 4.6 m (15') | *4550 (10000) | 3850 (8500) | | | *5800 (12800) | 5700 (12500) | *6850 (15100) | *6850 (15100) | *9750 (21500) | *9750 (21500) | | |
| 3.0 m (10') | *4800 (10600) | 3450 (7600) | *5800 (12800) | 3700 (8200) | *6750 (14900) | 5400 (11900) | *8850 (19500) | 8300 (18300) | | | | |
| 1.5 m (5') | 5200 (11500) | 3300 (7300) | 5650 (12500) | 3600 (7900) | *7700 (17000) | 5100 (11300) | *10800 (23800) | 7850 (17300) | | | | |
| 0 m (0') | 5400 (11900) | 3400 (7500) | 5600 (12300) | 3500 (7700) | 7950 (17500) | 4950 (10900) | *11650 (25700) | 7600 (16800) | | | | |
| –1.5 m (–5') | 6050 (13300) | 3800 (8400) | | | 7900 (17400) | 4900 (10800) | *11650 (25700) | 7600 (16800) | *13000 (28600) | *13000 (28600) | | |
| –3.0 m (–10') | *7550 (16600) | 4800 (10600) | | | 7850 (17300) | 5000 (11100) | *10850 (23900) | 7750 (17100) | *15350 (33900) | *15350 (33900) | | |
| –4.6 m (–15') | *8150 (17900) | 7950 (17500) | | | | | *8350 (18400) | 8200 (18000) | | | | |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC228US-8

Conditions:

Boom: 5700 mm (18'8"), Bucket (SAE): 0.80 m³ (1.05 cu.yd), Shoes: 600 mm (24") unit :kg (lb)

| A / B | MAX | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2925 mm (9'7") | | | | | | | | | | |
| 6.0 m (19') | *2820 (6200) | 2670 (5900) | *3140 (6900) | 2670 (5800) | *4290 (9400) | 4090 (9000) | | | | |
| 4.5 m (14') | *2840 (6200) | 2220 (4900) | 4090 (9000) | 2620 (5700) | *4950 (10900) | 3920 (8600) | *5530 (12200) | *5530 (12200) | | |
| 3.0 m (9') | *3000 (6600) | 1980 (4300) | 3970 (8700) | 2510 (5500) | 5780 (12700) | 3690 (8100) | *7820 (17200) | 5900 (13000) | *11680 (25700) | 11430 (25200) |
| 1.5 m (4') | 3080 (6800) | 1880 (4100) | 3830 (8400) | 2380 (5200) | 5530 (12100) | 3460 (7600) | 8860 (19500) | 5400 (11900) | *6880 (15100) | *6880 (15100) |
| 0 m (0') | 3150 (6900) | 1910 (4200) | 3740 (8200) | 2290 (5000) | 5330 (11700) | 3280 (7200) | 8490 (18700) | 5080 (11200) | *5230 (11500) | *5230 (11500) |
| –1.5 m (–4') | 3430 (7500) | 2080 (4600) | 3690 (8100) | 2240 (4900) | 5220 (11500) | 3190 (7000) | 8340 (18400) | 4960 (10900) | *9330 (20500) | *9330 (20500) |
| –3.0 m (–9') | 4100 (9000) | 2510 (5500) | | | 5220 (11500) | 3180 (7000) | 8370 (18400) | 4990 (11000) | *14890 (32800) | 9950 (21900) |
| –4.5 m (–14') | 5810 (12800) | 3570 (7800) | | | | | 8570 (18900) | 5160 (11300) | *13590 (29900) | 10260 (22600) |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

## PC228USLC-8

Conditions:

Boom: 5700 mm (18'8"), Bucket (SAE): 0.80 m³ (1.05 cu.yd), Shoes: 700 mm (27.5") unit :kg (lb)

| A / B | MAX | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2925 mm (9'7") | | | | | | | | | | |
| 6.0 m (19') | *2820 (6200) | *2820 (6200) | *3140 (6900) | 3130 (6900) | *4290 (9400) | *4290 (9400) | | | | |
| 4.5 m (14') | *2840 (6200) | 2630 (5800) | *4700 (10300) | 3080 (6800) | *4950 (10900) | 4560 (10000) | *5530 (12200) | *5530 (12200) | | |
| 3.0 m (9') | *3000 (6600) | 2370 (5200) | 5060 (11100) | 2970 (6500) | *5990 (13200) | 4320 (9500) | *7820 (17200) | 6880 (15100) | *11680 (25700) | *11680 (25700) |
| 1.5 m (4') | *3290 (7200) | 2270 (5000) | 4920 (10800) | 2840 (6200) | 7030 (15500) | 4090 (9000) | *9990 (22000) | 6370 (14000) | *6880 (15100) | *6880 (15100) |
| 0 m (0') | *3800 (8300) | 2310 (5000) | 4820 (10600) | 2750 (6000) | 6870 (15100) | 3900 (8600) | 11020 (24200) | 6040 (13300) | *5230 (11500) | *5230 (11500) |
| –1.5 m (–4') | 4430 (9700) | 2510 (5500) | 4770 (10500) | 2700 (5900) | 6760 (14900) | 3810 (8300) | 10960 (24100) | 5920 (13000) | *9330 (20500) | *9330 (20500) |
| –3.0 m (–9') | 5290 (11600) | 3000 (6600) | | | 6750 (14800) | 3800 (8300) | *10920 (24000) | 5940 (13100) | *14890 (32800) | 11990 (26400) |
| –4.5 m (–14') | *7030 (15500) | 4240 (9300) | | | | | *9510 (20900) | 6120 (13500) | *13590 (29900) | 12180 (26800) |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.


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## PC228USLC-8 (for EU)

Conditions:

One-piece Boom: 5700 mm, Bucket (SAE): 0.80 m³, Shoes: 700 mm unit :kg

| A / B | MAX | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | | 1.5 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2400 mm | | | | | | | | | | | | |
| 6.0 m | *4250 | 3400 | | | *4720 | 4530 | *4750 | *4750 | | | | |
| 4.5 m | *4290 | 2780 | *4980 | 2910 | *5310 | 4350 | *6210 | *6210 | *8000 | *8000 | | |
| 3.0 m | 4340 | 2470 | 4890 | 2800 | *6280 | 4080 | *8480 | 6540 | | | | |
| 1.5 m | 4190 | 2350 | 4760 | 2680 | 6850 | 3870 | *10380 | 6030 | | | | |
| 0 m | 4300 | 2400 | 4660 | 2600 | 6660 | 3710 | 10800 | 5760 | *6970 | *6970 | | |
| –1.5 m | 4760 | 2650 | 4640 | 2580 | 6580 | 3640 | 10710 | 5690 | *9250 | *9250 | *7680 | *7680 |
| –3.0 m | 5870 | 3280 | | | 6640 | 3680 | *10360 | 5790 | *14680 | 11850 | *10940 | *10940 |
| –4.5 m | *7210 | 5070 | | | | | *8420 | 6050 | *11870 | *11870 | | |
| Arm length 2900 mm | | | | | | | | | | | | |
| 6.0 m | *2780 | *2780 | *3110 | 3040 | *4200 | *4200 | | | | | | |
| 4.5 m | *2810 | 2530 | *4580 | 2990 | *4840 | 4470 | *5430 | *5430 | | | | |
| 3.0 m | *2960 | 2270 | 4960 | 2860 | *5860 | 4200 | *7670 | 6750 | *11480 | *11480 | | |
| 1.5 m | *3250 | 2160 | 4800 | 2720 | 6900 | 3950 | *9790 | 6190 | *6860 | *6860 | | |
| 0 m | *3760 | 2190 | 4690 | 2620 | 6720 | 3750 | 10790 | 5840 | *5200 | *5200 | | |
| –1.5 m | 4310 | 2390 | 4640 | 2570 | 6600 | 3650 | 10730 | 5700 | *9300 | *9300 | *5180 | *5180 |
| –3.0 m | 5160 | 2870 | | | 6600 | 3650 | *10710 | 5740 | *14820 | 11680 | *9740 | *9740 |
| –4.5 m | 6870 | 4100 | | | | | *9320 | 5940 | *13300 | *11920 | | |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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# PC228USLC-8 (for USA)

Conditions:

Boom: Boom: 5700 mm (18'8"), Bucket (SAE): 0.70 m³ (0.92 cu.yd) unit: kg (lb)

| A / B | MAX | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | | 1.5 m (5') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2925 mm (9'7") Shoes: 600 mm (24") | | | | | | | | | | | | |
| 6.1 m (20') | *2820 (6200) | *2820 (6200) | | | *5240 (11500) | 5230 (11500) | | | | | | |
| 4.6 m (15') | *2840 (6200) | *2840 (6200) | *4880 (10700) | 3470 (7600) | *5970 (13100) | 5070 (11100) | *6570 (14400) | *6570 (14400) | | | | |
| 3.0 m (10') | *2990 (6500) | 2790 (6100) | 5550 (12200) | 3360 (7400) | *7190 (15800) | 4840 (10600) | *9240 (20300) | 7640 (16800) | *13550 (29800) | *13550 (29800) | | |
| 1.5 m (5') | *3290 (7200) | 2680 (5900) | 5410 (11900) | 3240 (7100) | 7740 (17000) | 4610 (10100) | *11820 (26000) | 7130 (15700) | *7380 (16200) | *7380 (16200) | | |
| 0 m (0') | *3800 (8300) | 2730 (6000) | 5310 (11700) | 3150 (6900) | 7530 (16600) | 4430 (9700) | 12110 (26700) | 6800 (15000) | *5540 (12200) | *5540 (12200) | | |
| –1.5 m (–5') | *4720 (10400) | 2970 (6500) | 5260 (11600) | 3100 (6800) | 7420 (16300) | 4330 (9500) | 11950 (26300) | 6670 (14700) | *9650 (21200) | *9650 (21200) | *5330 (11700) | *5330 (11700) |
| –3.0 m (–10') | 6020 (13200) | 3550 (7800) | | | 7420 (16300) | 4330 (9500) | 11980 (26400) | 6700 (14700) | *16640 (36600) | 13320 (29300) | *9970 (21900) | *9970 (21900) |
| –4.6 m (–15') | 8630 (19000) | 5030 (11100) | | | | | *11250 (24800) | 6880 (15100) | *16070 (35400) | 13650 (30100) | | |
| Arm length 2925 mm (9'7") Shoes: 700 mm (28") | | | | | | | | | | | | |
| 6.1 m (20') | *2820 (6200) | *2820 (6200) | | | *5240 (11500) | *5240 (11500) | | | | | | |
| 4.6 m (15') | *2840 (6200) | *2840 (6200) | *4880 (10700) | 3500 (7700) | *5970 (13100) | 5110 (11200) | *6570 (14400) | *6570 (14400) | | | | |
| 3.0 m (10') | *2990 (6500) | 2820 (6200) | 5600 (12300) | 3390 (7400) | *7190 (15800) | 4880 (10700) | *9240 (20300) | 7700 (16900) | *13550 (29800) | *13550 (29800) | | |
| 1.5 m (5') | *3290 (7200) | 2710 (5900) | 5460 (12000) | 3270 (7200) | 7810 (17200) | 4650 (10200) | *11820 (26000) | 7200 (15800) | *7380 (16200) | *7380 (16200) | | |
| 0 m (0') | *3800 (8300) | 2760 (6000) | 5360 (11800) | 3180 (7000) | 7600 (16700) | 4470 (9800) | 12220 (26900) | 6870 (15100) | *5540 (12200) | *5540 (12200) | | |
| –1.5 m (–5') | *4720 (10400) | 3000 (6600) | 5320 (11700) | 3140 (6900) | 7490 (16500) | 4370 (9600) | 12060 (26500) | 6740 (14800) | *9650 (21200) | *9650 (21200) | *5330 (11700) | *5330 (11700) |
| –3.0 m (–10') | 6070 (13400) | 3580 (7900) | | | 7490 (16500) | 4370 (9600) | 12090 (26600) | 6760 (14900) | *16640 (36600) | 13440 (29600) | *9970 (21900) | *9970 (21900) |
| –4.6 m (–15') | *8640 (19000) | 5080 (11200) | | | | | *11250 (24800) | 6940 (15300) | *16070 (35400) | 13700 (30300) | | |
| Arm length 2925 mm (9'7") Shoes: 800 mm (31.5") | | | | | | | | | | | | |
| 6.1 m (20') | *2800 (6100) | *2800 (6100) | | | *5220 (11500) | *5220 (11500) | | | | | | |
| 4.6 m (15') | *2820 (6200) | *2820 (6200) | *4860 (10700) | 3530 (7700) | *5950 (13100) | 5150 (11300) | *6550 (14400) | *6550 (14400) | | | | |
| 3.0 m (10') | *2970 (6500) | 2840 (6200) | 5650 (12400) | 3420 (7500) | *7170 (15800) | 4920 (10800) | *9220 (20300) | 7760 (17100) | *13530 (29800) | *13530 (29800) | | |
| 1.5 m (5') | *3270 (7200) | 2730 (6000) | 5510 (12100) | 3300 (7200) | 7880 (17300) | 4690 (10300) | *11810 ('26000) | 7260 (16000) | *7360 (16200) | *7360 (16200) | | |
| 0 m (0') | *3780 (8300) | 2780 (6100) | 5410 (11900) | 3210 (7000) | 7680 (16900) | 4510 (9900) | 12340 (27200) | 6930 (15200) | *5520 (12100) | *5520 (12200) | | |
| –1.5 m (–5') | *4700 (10300) | 3030 (6600) | 5370 (11800) | 3160 (6900) | 7570 (16600) | 4410 (9700) | 12180 (26800) | 6800 (15000) | *9640 (21200) | *9640 (21200) | *5310 (11700) | *5310 (11700) |
| –3.0 m (–10') | 6130 (13500) | 3610 (7900) | | | 7560 (16600) | 4410 (9700) | 12220 (26900) | 6830 (15000) | *16640 (36600) | 13580 (29900) | *9950 (21900) | *9950 (21900) |
| –4.6 m (–15') | *8620 (19000) | 5130 (11300) | | | | | *11230 (24700) | 7010 (15400) | *16050 (35300) | 13910 (30600) | | |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC230NHD-8

Conditions: One piece boom: 5700 mm (18'8"), Bucket (SAE): 0.96 m³ (1.26 cu.yd), Shoes: 550 mm (22")
Lifting capacities, including bucket (760 kg), bucket linkage (200 kg) and bucket cylinder (140 kg)
unit: kg (lb)

| A / B | MAX | | 7.5 m (25') | | 6.0 m (20') | | 4.5 m (15') | | 3.0 m (10') | | 1.5 m (5') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2900 mm (9'6") | | | | | | | | | | | | |
| 6.0 m (20') | *2650 (5800) | *2650 (5800) | *3550 (7800) | 2900 (6400) | *4300 (9400) | *4300 (9400) | | | | | | |
| 4.5 m (15') | *2650 (5800) | 2250 (4900) | *4650 (10200) | 2850 (6200) | *4900 (10800) | 4250 (9300) | *5500 (12100) | *5500 (12100) | | | | |
| 3.0 m (10') | *2800 (6100) | 2050 (4500) | 4900 (10800) | 2700 (5900) | *5850 (12800) | 3950 (8700) | *7400 (16300) | 6200 (13600) | *11550 (25400) | *11550 (25400) | | |
| 1.5 m (5') | *3050 (6700) | 1950 (4300) | 4750 (10400) | 2600 (5700) | 6800 (14900) | 3700 (8100) | *9300 (20400) | 5650 (12400) | *6400 (14100) | *6400 (14100) | | |
| 0 m (0') | *3450 (7600) | 2000 (4400) | 4650 (10200) | 2450 (5400) | 6550 (14400) | 3450 (7600) | 10450 (23000) | 5250 (11500) | *7300 (16000) | *7300 (16000) | | |
| –1.5 m (–5') | 4100 (9000) | 2150 (4700) | 4600 (10100) | 2400 (5300) | 6450 (14200) | 3350 (7300) | 10250 (22500) | 5150 (11300) | *10550 (23200) | 9650 (21200) | *6400 (14100) | *6400 (14100) |
| –3.0 m (–10') | 4850 (10600) | 2550 (5600) | | | 6450 (14200) | 3400 (7500) | 10300 (22600) | 5150 (11300) | *15400 (33900) | 9850 (21600) | *10150 (22300) | *10150 (22300) |
| –4.5 m (–15') | *6350 (13900) | 3550 (7800) | | | | | 9050 (19900) | 5350 (11700) | *13000 (28600) | 10250 (22500) | | |
| Arm length 2400 mm (7'10") | | | | | | | | | | | | |
| 6.0 m (20') | *4150 (9100) | 3100 (6800) | | | *4900 (10800) | 4350 (9500) | | | | | | |
| 4.5 m (15') | *4150 (9100) | 2550 (5600) | 5000 (11000) | 2800 (6100) | *5450 (12000) | 4200 (9200) | *6300 (13800) | *6300 (13800) | | | | |
| 3.0 m (10') | 4200 (9200) | 2300 (5000) | 4900 (10800) | 2750 (6000) | *6350 (13900) | 3950 (8700) | *8250 (18100) | 6100 (13400) | | | | |
| 1.5 m (5') | 4100 (9000) | 2200 (4800) | 4800 (10500) | 2600 (5700) | 6800 (14900) | 3700 (8100) | *10000 (22000) | 5600 (12300) | | | | |
| 0 m (0') | 4200 (9200) | 2250 (4900) | 4700 (10300) | 2550 (5600) | 6600 (14500) | 3550 (7800) | 10500 (23100) | 5300 (11600) | | | | |
| –1.5 m (–5') | 4600 (10100) | 2500 (5500) | 4650 (10200) | 2500 (5500) | 6550 (14500) | 3450 (9600) | 10400 (22900) | 5250 (9300) | *11250 (24700) | 9900 (21800) | *6900 (15200) | *6900 (15200) |
| –3.0 m (–10') | 5600 (12300) | 3050 (6700) | | | 6600 (14500) | 3500 (7700) | *10300 (22600) | 5350 (11700) | *14700 (32300) | 10150 (22300) | *12000 (26400) | *12000 (26400) |
| –4.5 m (–15') | *6750 (14800) | 4500 (9900) | | | | | *8250 (18100) | 5600 (12300) | *11700 (25700) | 10600 (23300) | | |
| Arm length 1800 mm (5'11") | | | | | | | | | | | | |
| 6.0 m (20') | *4600 (10100) | 3550 (7800) | | | *5500 (12100) | 4200 (9200) | *5850 (12800) | *5850 (12800) | | | | |
| 4.5 m (15') | *4600 (10100) | 2850 (6200) | | | *6000 (13200) | 4100 (9000) | *7150 (15700) | 6450 (14200) | *10200 (22400) | *10200 (22400) | | |
| 3.0 m (10') | 4650 (10200) | 2550 (5600) | 4850 (10600) | 2650 (5800) | *6800 (14900) | 3850 (8400) | *9000 (19800) | 5850 (12800) | | | | |
| 1.5 m (5') | 4500 (9900) | 2450 (5400) | 4750 (10400) | 2600 (5700) | 6700 (14700) | 3650 (8000) | *10450 (23000) | 5400 (11900) | | | | |
| 0 m (0') | 4650 (10200) | 2500 (5500) | 4700 (10300) | 2550 (5600) | 6550 (14400) | 3500 (7700) | 10350 (22700) | 5200 (11400) | | | | |
| –1.5 m (–5') | 5250 (11500) | 2800 (6100) | | | 6550 (14400) | 3450 (7600) | 10350 (22700) | 5200 (11400) | *12250 (26900) | 9950 (21900) | | |
| –3.0 m (–10') | 6650 (14600) | 3600 (7900) | | | 6700 (14700) | 3600 (7900) | *9650 (21200) | 5400 (11900) | *13200 (29000) | 10250 (22500) | | |
| –4.5 m (–15') | | | | | | | | | | | | |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC240LC-10 (USA source)

Conditions:

Boom: 5850 mm (19'2"), Bucketless, Shoes: 700 mm (28") unit: kg (lb)

| A / B | MAX | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | | 1.5 m (5') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3045 mm (10'0") | | | | | | | | | | | | |
| 7.6 m (25') | *4700 (10400) | *4700 (10400) | | | *5950 (13200) | *5950 (13200) | | | | | | |
| 6.1 m (20') | *4450 (9800) | *4450 (9800) | | | *6400 (14100) | *6400 (14100) | | | | | | |
| 4.6 m (15') | *4450 (9800) | 4300 (9500) | *6900 (15200) | 4850 (10700) | *7200 (15900) | 6750 (14900) | *8000 (17700) | *8000 (17700) | | | | |
| 3.0 m (10') | *4600 (10100) | 3950 (8700) | 6850 (15100) | 4700 (10400) | *8450 (18700) | 6500 (14300) | *10700 (23500) | 9800 (21700) | | | | |
| 1.5 m (5') | *4900 (10800) | 3850 (8500) | 6700 (14800) | 4600 (10100) | 9300 (20500) | 6200 (13700) | *13200 (29100) | 9250 (20400) | | | | |
| 0 m (0') | *5450 (12100) | 3900 (8600) | 6600 (14500) | 4450 (9900) | 9100 (20000) | 6000 (13300) | 14350 (31700) | 8900 (19700) | *7850 (17300) | *7850 (17300) | | |
| –1.5 m (–5') | 6200 (13700) | 4200 (9300) | 6550 (14400) | 4450 (9800) | 9000 (19800) | 5900 (13100) | 14250 (31400) | 8800 (19400) | *12580 (28300) | *12850 (28300) | *8250 (18200) | *8250 (18200) |
| –3.0 m (–10') | 7300 (16100) | 4950 (10900) | | | 9000 (19900) | 5950 (13100) | 14300 (31500) | 8850 (19600) | *19750 (43600) | 17300 (38200) | *13450 (29700) | *13450 (29700) |
| –4.6 m (–15') | *9800 (21600) | 6750 (14900) | | | | | *12550 (27700) | 9100 (20000) | *17750 (39100) | *17750 (39100) | | |
| Arm length 3500 mm (11'6") | | | | | | | | | | | | |
| 7.6 m (25') | *4000 (8800) | *4000 (8800) | | | *5500 (12100) | *5500 (12100) | | | | | | |
| 6.1 m (20') | *3850 (8400) | *3850 (8400) | *5100 (11200) | 4850 (10700) | *5650 (12500) | *5650 (12500) | | | | | | |
| 4.6 m (15') | *3800 (8400) | *3800 (8400) | *6300 (13900) | 4800 (10500) | *6500 (14300) | *6500 (14300) | | | | | | |
| 3.0 m (10') | *3950 (8700) | 3600 (8000) | 6750 (14900) | 4650 (10200) | *7750 (17100) | 6400 (14200) | *9600 (21100) | *9600 (21100) | *14650 (32300) | *14650 (32300) | | |
| 1.5 m (5') | *4200 (9300) | 3500 (7700) | 6600 (14500) | 4450 (9800) | *9150 (20200) | 6100 (13400) | *12250 (27000) | 9150 (20100) | | | | |
| 0 m (0') | *4650 (10300) | 3550 (7800) | 6450 (14200) | 4300 (9500) | 8900 (19700) | 5850 (12900) | *14000 (30900) | 8700 (19200) | *8750 (19300) | *8750 (19300) | | |
| –1.5 m (–5') | *5450 (12000) | 3800 (8400) | 6350 (14000) | 4250 (9400) | 8750 (19300) | 5700 (12600) | 13900 (30700) | 8500 (18800) | *12400 (27400) | *12400 (27400) | *7800 (17200) | *7800 (17200) |
| –3.0 m (–10') | 6500 (14300) | 4350 (9600) | | | 8750 (19300) | 5700 (12600) | 13950 (30700) | 8850 (18800) | *17850 (39400) | 16700 (36900) | *12050 (26600) | *12050 (26600) |
| –4.6 m (–15') | 8650 (19100) | 5700 (12500) | | | 8950 (19700) | 5850 (12900) | *13100 (28900) | 8750 (19300) | *18750 (41300) | 17150 (37800) | | |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC240LC-10 (UK source)

Conditions:

One-piece boom: 5850 mm, Bucketless, Shoes: 600 mm unit :kg

| A / B | MAX | | 9.0 m | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2000 mm | | | | | | | | | | | | |
| 7.5 m | *7530 | *7350 | | | | | | | | | | |
| 6.0 m | *7000 | 6060 | | | | | *7780 | 6930 | *8150 | *8150 | | |
| 4.5 m | *6950 | 5060 | | | | | *8460 | 6750 | *10120 | *10120 | | |
| 3.0 m | 6750 | 4610 | | | 6950 | 4740 | *9590 | 6470 | *12790 | 9630 | | |
| 1.5 m | 6570 | 4470 | | | 6830 | 4630 | 9450 | 6230 | *14710 | 9170 | | |
| 0 m | 6800 | 4600 | | | | | 9300 | 6090 | 14720 | 9030 | | |
| –1.5 m | 7600 | 5090 | | | | | 9280 | 6080 | 14750 | 9060 | *13790 | *13790 |
| –3.0 m | 9640 | 6340 | | | | | | | *13580 | 9230 | *18310 | 18210 |
| –4.5 m | | | | | | | | | | | | |
| Arm length 2500 mm | | | | | | | | | | | | |
| 7.5 m | *6950 | *6950 | | | | | | | | | | |
| 6.0 m | *6590 | 5470 | | | | | *7030 | 6990 | | | | |
| 4.5 m | *6590 | 4650 | | | 7060 | 4830 | *7820 | 6780 | *9120 | *9120 | | |
| 3.0 m | 6240 | 4250 | | | 6930 | 4710 | *9020 | 6470 | *11780 | 9740 | | |
| 1.5 m | 6070 | 4120 | | | 6790 | 4580 | 9430 | 6190 | *14000 | 9180 | | |
| 0 m | 6240 | 4210 | | | 6690 | 4490 | 9220 | 6020 | 14620 | 8930 | | |
| –1.5 m | 6870 | 4600 | | | | | 9160 | 5960 | 14590 | 8900 | *13530 | *13530 |
| –3.0 m | 8380 | 5540 | | | | | 9260 | 6040 | *14080 | 9030 | *19640 | 17830 |
| –4.5 m | *10260 | 8290 | | | | | | | *11360 | 9360 | | |
| Arm length 3000 mm | | | | | | | | | | | | |
| 7.5 m | *4640 | *4640 | | | | | *6160 | *6160 | | | | |
| 6.0 m | *4420 | *4420 | | | *4950 | *4950 | *6290 | *6290 | | | | |
| 4.5 m | *4400 | 4200 | | | *6790 | 4890 | *7150 | 6870 | *8050 | *8050 | | |
| 3.0 m | *4550 | 3880 | | | 6970 | 4740 | *8420 | 6550 | *10720 | 9950 | | |
| 1.5 m | *4870 | 3760 | | | 6800 | 4590 | 9480 | 6230 | *13210 | 9300 | | |
| 0 m | *5430 | 3830 | | | 6660 | 4460 | 9220 | 6010 | 14650 | 8940 | *7350 | *7350 |
| –1.5 m | 6130 | 4120 | | | 6610 | 4420 | 9110 | 5910 | 14520 | 8830 | *12480 | *12480 |
| –3.0 m | 7210 | 4800 | | | | | 9140 | 5940 | *14530 | 8900 | *19150 | 17550 |
| –4.5 m | *9570 | 6510 | | | | | | | *12640 | 9140 | *17790 | *17790 |
| Arm length 3500 mm | | | | | | | | | | | | |
| 7.5 m | *4010 | *4010 | | | | | | | | | | |
| 6.0 m | *3850 | *3850 | | | *5500 | 5060 | *5700 | *5700 | | | | |
| 4.5 m | *3840 | *3840 | | | *6350 | 4960 | *6600 | *6600 | | | | |
| 3.0 m | *3970 | 3660 | | | *7020 | 4800 | *7910 | 6640 | *9810 | *9810 | *15180 | *15180 |
| 1.5 m | *4230 | 3550 | *4400 | 3560 | 6830 | 4620 | *9300 | 6290 | *12480 | 9420 | | |
| 0 m | *4690 | 3590 | | | 6670 | 4470 | 9250 | 6030 | *14260 | 8970 | *8490 | *8490 |
| –1.5 m | *5470 | 3830 | | | 6590 | 4390 | 9090 | 5890 | 14480 | 8800 | *12120 | *12120 |
| –3.0 m | 6540 | 4370 | | | 6610 | 4420 | 9080 | 5880 | 14490 | 8810 | *17370 | 17320 |
| –4.5 m | 8580 | 5640 | | | | | 9250 | 6020 | *13390 | 9000 | *19100 | 17730 |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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# PC240NLC-10 (UK source)

Conditions:

One-piece boom: 5850 mm, Bucketless, Shoes: 600 mm

unit :kg

| A / B | MAX | | 9.0 m | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2000 mm | | | | | | | | | | | | |
| 7.5 m | *7530 | *7530 | | | | | | | | | | |
| 6.0 m | *7000 | 5400 | | | | | *7780 | 6180 | *8150 | *8150 | | |
| 4.5 m | 6680 | 4500 | | | | | *8460 | 6000 | *10120 | 9120 | | |
| 3.0 m | 6090 | 4090 | | | 6260 | 4200 | 8730 | 5730 | *12790 | 8440 | | |
| 1.5 m | 5920 | 3950 | | | 6150 | 4100 | 8460 | 5490 | 13150 | 8000 | | |
| 0 m | 6120 | 4060 | | | | | 8310 | 5360 | 12990 | 7860 | | |
| –1.5 m | 6820 | 4490 | | | | | 8290 | 5340 | 13020 | 7890 | *13790 | *13790 |
| –3.0 m | 8630 | 5590 | | | | | | | 13220 | 8050 | *18310 | 15490 |
| –4.5 m | *7530 | *7530 | | | | | | | | | | |
| Arm length 2500 mm | | | | | | | | | | | | |
| 7.5 m | *6950 | 6520 | | | | | | | | | | |
| 6.0 m | *6590 | 4870 | | | | | *7030 | 6240 | | | | |
| 4.5 m | 6130 | 4130 | | | 6370 | 4300 | *7820 | 6030 | *9120 | *9120 | | |
| 3.0 m | 5620 | 3770 | | | 6240 | 4180 | 8740 | 5730 | *11780 | 8550 | | |
| 1.5 m | 5460 | 3640 | | | 6100 | 4050 | 8430 | 5460 | 13180 | 8000 | | |
| 0 m | 5610 | 3710 | | | 6000 | 3960 | 8240 | 5280 | 12890 | 7770 | | |
| –1.5 m | 6160 | 4050 | | | | | 8170 | 5230 | 12860 | 7740 | *13530 | *13530 |
| –3.0 m | 7510 | 4880 | | | | | 8270 | 5310 | 13000 | 7860 | *19640 | 15130 |
| –4.5 m | *10260 | 7270 | | | | | | | *11360 | 8180 | | |
| Arm length 3000 mm | | | | | | | | | | | | |
| 7.5 m | *4640 | *4640 | | | | | *6160 | *6160 | | | | |
| 6.0 m | *4420 | 4310 | | | *4950 | 4420 | *6290 | *6290 | | | | |
| 4.5 m | *4400 | 3730 | | | 6440 | 4350 | *7150 | 6120 | *8050 | *8050 | | |
| 3.0 m | *4550 | 3430 | | | 6280 | 4210 | *8420 | 5800 | *10720 | 8750 | | |
| 1.5 m | *4870 | 3320 | | | 6110 | 4050 | 8480 | 5490 | *13210 | 8120 | | |
| 0 m | 5080 | 3370 | | | 5980 | 3930 | 8240 | 5270 | 12910 | 7770 | *7530 | *7530 |
| –1.5 m | 5500 | 3620 | | | 5930 | 3880 | 8120 | 5180 | 12790 | 7670 | *12480 | *12480 |
| –3.0 m | 6460 | 4220 | | | | | 8160 | 5200 | 12860 | 7730 | *19150 | 14860 |
| –4.5 m | 8940 | 5730 | | | | | | | *12640 | 7970 | *17790 | 15300 |
| Arm length 3500 mm | | | | | | | | | | | | |
| 7.5 m | *4010 | *4010 | | | | | | | | | | |
| 6.0 m | *3850 | *3850 | | | *5500 | 4520 | *5700 | *5700 | | | | |
| 4.5 m | *3840 | 3500 | | | *6350 | 4420 | *6600 | 6230 | | | | |
| 3.0 m | *3970 | 3240 | | | 6340 | 4260 | *7910 | 5890 | *9810 | 8950 | *15180 | *15180 |
| 1.5 m | *4230 | 3130 | *4400 | 3140 | 6150 | 4080 | 8550 | 5550 | *12480 | 8240 | | |
| 0 m | *4690 | 3160 | | | 5990 | 3940 | 8260 | 5290 | 12960 | 7800 | *8490 | *8490 |
| –1.5 m | 5100 | 3370 | | | 5900 | 3860 | 8110 | 5160 | 12750 | 7630 | *12120 | *12120 |
| –3.0 m | 5870 | 3850 | | | 5930 | 3880 | 8090 | 5140 | 12760 | 7640 | *17370 | 14650 |
| –4.5 m | 7680 | 4960 | | | | | 8260 | 5290 | 12980 | 7830 | *19100 | 15030 |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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# PC240LC-8 (Brazil source)

Conditions: Boom: 5850 mm (19'2"), Bucket (SAE): 1.01 m³ (1.32 cu.yd), Shoes: 700 mm (28")
Lifting capacities, including bucket (730 kg), bucket linkage (200 kg) and bucket cylinder (140 kg) unit: kg (lb)

| A / B | MAX | | 7.5 m (25') | | 6.0 m (20') | | 4.5 m (15') | | 3.0 m (10') | | 1.5 m (5') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3000 mm (9'10") | | | | | | | | | | | | |
| 6.0 m (20') | *3000 (6600) | *3000 (6600) | *4450 (9800) | 4250 (9400) | *4900 (10800) | *4900 (10800) | | | | | | |
| 4.5 m (15') | *3050 (6700) | *3050 (6700) | *5550 (12200) | 4200 (9200) | *5800 (12800) | *5800 (12800) | | | | | | |
| 3.0 m (10') | *3200 (7100) | 2950 (6500) | *6250 (13700) | 4050 (8900) | *7150 (15700) | 5900 (13000) | *9050 (20000) | *9050 (20000) | *14450 (31800) | *14450 (31800) | | |
| 1.5 m (5') | *3550 (7800) | 2850 (6200) | 6050 (13300) | 3850 (8500) | *8550 (18800) | 5550 (12200) | *11700 (25800) | 8650 (19000) | *6900 (15200) | *6900 (15200) | | |
| 0 m (0') | *4050 (8900) | 2900 (6400) | 5900 (13000) | 3700 (8200) | 8450 (18600) | 5250 (11600) | *13500 (29700) | 8150 (18000) | *8100 (17900) | *8100 (17900) | | |
| –1.5 m (–5') | *4950 (10900) | 3100 (6900) | 5800 (12800) | 3650 (8000) | 8300 (18300) | 5150 (11300) | 13550 (29900) | 8000 (17600) | *11650 (25700) | *11650 (25700) | *7350 (16200) | *7350 (16200) |
| –3.0 m (–10') | 5850 (12900) | 3700 (8100) | | | 8250 (18200) | 5100 (11300) | 13600 (30000) | 8000 (17700) | *16750 (37000) | 16350 (36100) | *11350 (25100) | *11350 (25100) |
| –4.5 m (–15') | 7950 (17600) | 5000 (11000) | | | 8450 (18600) | 5300 (11500) | *12650 (27900) | 8200 (18100) | *18350 (40500) | 16850 (37100) | | |
| Arm length 3500 mm (11'6") | | | | | | | | | | | | |
| 6.0 m (20') | *2350 (5200) | *2350 (5200) | *4050 (9000) | *4050 (9000) | | | | | | | | |
| 4.5 m (15') | *2400 (5300) | *2400 (5300) | *5050 (11200) | 4200 (9300) | *5200 (11500) | *5200 (11500) | | | | | | |
| 3.0 m (10') | *2550 (5600) | *2550 (5600) | *5800 (12800) | 4050 (8900) | *6550 (14400) | 5950 (13100) | *8050 (17800) | *8050 (17800) | *11850 (26100) | *11850 (26100) | | |
| 1.5 m (5') | *2850 (6200) | 2650 (5800) | 6050 (13300) | 3850 (8500) | *8000 (17600) | 5550 (12200) | *10850 (24000) | 8750 (19300) | *10850 (23900) | *10850 (23900) | | |
| 0 m (0') | *3300 (7300) | 2650 (5900) | 5850 (12900) | 3700 (8100) | 8400 (18600) | 5250 (11600) | *12900 (28500) | 8150 (18000) | *9500 (20900) | *9500 (20900) | *4300 (9400) | *4300 (9400) |
| –1.5 m (–5') | *4050 (8900) | 2850 (6300) | 5750 (12600) | 3600 (7900) | 8150 (18000) | 5000 (11000) | 13500 (29700) | 7900 (17400) | *11850 (26100) | *11850 (26100) | *7350 (16200) | *7350 (16200) |
| –3.0 m (–10') | 5350 (11800) | 3350 (7400) | 5700 (12600) | 3550 (7900) | 8150 (18000) | 5000 (11100) | 13450 (29700) | 7850 (17400) | *15650 (34500) | *15650 (34500) | *10600 (23300) | *10600 (23300) |
| –4.5 m (–15') | 7050 (15500) | 4400 (9700) | | | 8250 (18200) | 5100 (11300) | *13100 (28900) | 8000 (17700) | *19350 (42600) | 16500 (36300) | *14400 (31800) | *14400 (31800) |
| Arm length 2500 mm (8'2") | | | | | | | | | | | | |
| 6.0 m (20') | *4750 (10500) | 4400 (9700) | | | *5650 (12500) | *5650 (12500) | | | | | | |
| 4.5 m (15') | *4850 (10700) | 3650 (8100) | *6100 (13500) | 4150 (9100) | *6500 (14300) | 6100 (13500) | *7500 (16500) | *7500 (16500) | | | | |
| 3.0 m (10') | 5150 (11400) | 3300 (7300) | 6200 (13600) | 4000 (8800) | *7750 (17100) | 5800 (12800) | *10150 (22300) | 9100 (20100) | | | | |
| 1.5 m (5') | 5000 (11000) | 3200 (7000) | 6000 (13300) | 3850 (8500) | 8650 (19100) | 5450 (12100) | *12550 (27700) | 8450 (18600) | | | | |
| 0 m (0') | 5150 (11300) | 3250 (7200) | 5900 (13000) | 3750 (8200) | 8400 (18500) | 5250 (11600) | 13700 (30200) | 8100 (17800) | | | | |
| –1.5 m (–5') | 5650 (12500) | 3550 (7900) | 5850 (12900) | 3700 (8100) | 8300 (18300) | 5150 (11400) | 13600 (29900) | 8000 (17600) | *13000 (28700) | *13000 (28700) | *8550 (18800) | *8550 (18800) |
| –3.0 m (–10') | 6850 (15200) | 4350 (9600) | | | 8350 (18400) | 5200 (11500) | *13700 (30200) | 8100 (17900) | *19850 (43800) | 16550 (36500) | *13900 (30700) | *13900 (30700) |
| –4.5 m (–15') | *9550 (21000) | 6400 (14100) | | | | | *11700 (25800) | 8400 (18500) | *16750 (36900) | *16750 (36900) | | |
| Arm length 2000 mm (6'7") | | | | | | | | | | | | |
| 6.0 m (20') | *4850 (10700) | 4800 (10600) | | | *6300 (13900) | 6200 (13600) | | | | | | |
| 4.5 m (15') | *4950 (10900) | 3950 (8700) | *5600 (12400) | 4050 (8900) | *7100 (15600) | 6000 (13200) | *8400 (18600) | *8400 (18600) | *12000 (26500) | *12000 (26500) | | |
| 3.0 m (10') | *5250 (11600) | 3550 (7800) | 6100 (13500) | 3950 (8700) | *8250 (18200) | 5700 (12500) | *11050 (24300) | 8850 (19600) | | | | |
| 1.5 m (5') | 5350 (11800) | 3400 (7500) | 5950 (13200) | 3800 (8400) | 8550 (18900) | 5400 (11900) | *13200 (29100) | 8250 (18200) | | | | |
| 0 m (0') | 5550 (12200) | 3500 (7700) | 5900 (13000) | 3700 (8200) | 8350 (18400) | 5200 (11500) | 13600 (30000) | 8000 (17700) | | | | |
| –1.5 m (–5') | 6200 (13600) | 3900 (8600) | | | 8300 (18300) | 5150 (11400) | 13600 (30000) | 8000 (17700) | *13550 (29900) | *13550 (29900) | | |
| –3.0 m (–10') | 7800 (17200) | 4900 (10800) | | | 8450 (18600) | 5250 (11600) | *13200 (29100) | 8150 (18000) | *18650 (41100) | 16750 (36900) | | |
| –4.5 m (–15') | *9750 (21500) | 7850 (17300) | | | | | *10450 (23100) | 8550 (18900) | | | | |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC270-8

Conditions:

Boom: 5850 mm (19'2"), Bucket (SAE): 1.26 m³ (1.65 cu.yd), Shoes: 600 mm (24") unit: kg (lb)

| A / B | MAX | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | | 1.5 m (5') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2500 mm (8'2") | | | | | | | | | | | | |
| 7.6 m (25') | *5550 (12200) | *5550 (12200) | | | | | | | | | | |
| 6.1 m (20') | *5350 (11800) | *4850 (10700) | | | *7150 (15700) | 6500 (14400) | | | | | | |
| 4.6 m (15') | *5400 (12000) | 4000 (8800) | 6300 (13800) | 4250 (9400) | *7900 (17400) | 6300 (13900) | *9300 (20500) | *9300 (20500) | | | | |
| 3.0 m (10') | 5350 (11800) | 3550 (7900) | 6150 (13500) | 4100 (9100) | 8850 (19500) | 5950 (13100) | *11900 (26300) | 9300 (20500) | | | | |
| 1.5 m (5') | 5200 (11400) | 3450 (7600) | 5950 (13200) | 3950 (8700) | 8500 (18700) | 5600 (12400) | 13550 (29800) | 8650 (19000) | | | | |
| 0 m (0') | 5350 (11800) | 3500 (7700) | 5850 (12900) | 3850 (8500) | 8250 (18200) | 5400 (11900) | 13150 (28900) | 8300 (18300) | | | | |
| –1.5 m (–5') | 5900 (13000) | 3900 (8600) | | | 8150 (18000) | 5300 (11700) | 13050 (28800) | 8200 (18100) | *15700 (34600) | *15700 (34600) | | |
| –3.0 m (–10') | 7250 (16000) | 4800 (10500) | | | 8250 (18200) | 5400 (11900) | 13150 (29000) | 8350 (18400) | *19100 (42200) | 17800 (39300) | | |
| –4.6 m (–15') | *9000 (19800) | 7600 (16800) | | | | | *10000 (22000) | 8650 (19100) | | | | |
| Arm length 3045 mm (10'0") | | | | | | | | | | | | |
| 7.6 m (25') | *3450 (7600) | *3450 (7600) | | | | | | | | | | |
| 6.1 m (20') | *3300 (7300) | *3300 (7300) | *4200 (9200) | *4200 (9200) | *6350 (14000) | *6350 (14000) | | | | | | |
| 4.6 m (15') | *3350 (7300) | *3350 (7300) | *6250 (13800) | 4300 (9500) | *7200 (15900) | 6400 (14100) | | | | | | |
| 3.0 m (10') | *3550 (7800) | 3150 (6900) | 6150 (13600) | 4150 (9100) | *8500 (18700) | 6050 (13300) | *10900 (24000) | 9550 (21100) | *17850 (39300) | *17850 (39300) | | |
| 1.5 m (5') | *3900 (8600) | 3050 (6700) | 6000 (13200) | 3950 (8800) | 8550 (18900) | 5700 (12500) | *13250 (29300) | 8850 (19500) | *7800 (17200) | *7800 (17200) | | |
| 0 m (0') | *4500 (9900) | 3100 (6800) | 5850 (12900) | 3850 (8400) | 8300 (18300) | 5400 (12000) | 13250 (29200) | 8350 (18500) | *9600 (21200) | *9600 (21200) | | |
| –1.5 m (–5') | 5150 (11400) | 3350 (7400) | 5750 (12700) | 3750 (8300) | 8150 (17900) | 5300 (11700) | 13050 (28700) | 8200 (18100) | *13950 (30700) | *13950 (30700) | *8850 (19500) | *8850 (19500) |
| –3.0 m (–10') | 6100 (13500) | 4000 (8800) | | | 8150 (18000) | 5300 (11700) | 13100 (28800) | 8250 (18200) | *20100 (44300) | 17600 (38800) | *13650 (30100) | *13650 (30100) |
| –4.6 m (–15') | *8450 (18600) | 5750 (12600) | | | | | *11600 (25600) | 8500 (18700) | *16650 (36700) | *16650 (36700) | | |
| Arm length 3500 mm (11'6") | | | | | | | | | | | | |
| 7.6 m (25') | *2900 (6400) | *2900 (6400) | | | | | | | | | | |
| 6.1 m (20') | *2800 (6100) | *2800 (6100) | *4450 (9800) | 4450 (9800) | | | | | | | | |
| 4.6 m (15') | *2800 (6200) | *2800 (6200) | *5800 (12800) | 4350 (9600) | *6600 (14500) | 6450 (14300) | | | | | | |
| 3.0 m (10') | *3000 (6600) | 2900 (6400) | 6150 (13600) | 4150 (9100) | *7950 (17500) | 6050 (13400) | *9950 (22000) | 9700 (21400) | *15500 (34200) | *15500 (34200) | | |
| 1.5 m (5') | *3300 (7200) | 2750 (6100) | 5950 (13100) | 3950 (8700) | 8550 (18900) | 5700 (12500) | *12400 (27300) | 8700 (19200) | *11050 (24300) | *11050 (24300) | | |
| 0 m (0') | *3750 (8300) | 2800 (6200) | 5800 (12700) | 3750 (8300) | 8250 (18200) | 5350 (11800) | 13200 (29100) | 8350 (18400) | *10450 (23000) | *10450 (23000) | | |
| –1.5 m (–5') | *4600 (10100) | 3050 (6700) | 5650 (12500) | 3650 (8100) | 8050 (17700) | 5200 (11500) | 12900 (28500) | 8100 (17800) | *13600 (29900) | *13600 (29900) | *8300 (18300) | *8300 (18300) |
| –3.0 m (–10') | 5500 (12100) | 3550 (7900) | 5700 (12500) | 3700 (8100) | 8000 (17700) | 5150 (11400) | 12900 (28400) | 8050 (17800) | *18500 (40800) | 17250 (38100) | *12400 (27300) | *12400 (27300) |
| –4.6 m (–15') | 7450 (16500) | 4850 (10800) | | | *8150 (18000) | 5300 (11700) | *12350 (27300) | 8250 (18200) | *18100 (39900) | 17750 (39200) | | |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. 1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC270LC-8

Conditions:

Boom: 5850 mm (19'2"), Bucket (SAE): 1.26 m³ (1.65 cu.yd), Shoes: 700 mm (24")
Lifting mode: ON

unit: kg (lb)

| A / B | MAX | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | | 1.5 m (5') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3045 mm (10'0") | | | | | | | | | | | | |
| 7.6 m (25') | *3450 (7600) | *3450 (7600) | | | | | | | | | | |
| 6.1 m (20') | *3300 (7300) | *3300 (7300) | *4100 (9100) | *4100 (9100) | *6350 (14000) | *6350 (14000) | | | | | | |
| 4.6 m (15') | *3350 (7300) | *3350 (7300) | *6250 (13800) | 4550 (10000) | *7200 (15900) | 6750 (14900) | | | | | | |
| 3.0 m (10') | *3500 (7800) | 3350 (7400) | *7250 (16000) | 4400 (9700) | *8450 (18700) | 6400 (14100) | *10850 (24000) | 10200 (22500) | *13500 (29800) | *13500 (29800) | | |
| 1.5 m (5') | *3900 (8600) | 3250 (7100) | 7100 (15700) | 4200 (9300) | *9750 (21500) | 6050 (13300) | *13350 (29400) | 9400 (20800) | *8350 (18400) | *8350 (18400) | | |
| 0 m (0') | *4500 (9900) | 3300 (7300) | 6950 (15300) | 4050 (9000) | 9950 (21900) | 5750 (12700) | *12500 (27500) | 8950 (19700) | *9950 (21900) | *9950 (21900) | | |
| –1.5 m (–5') | *5550 (12200) | 3600 (8000) | 6900 (15200) | 4000 (8800) | 9800 (21600) | 5600 (12400) | *12150 (26800) | 8750 (19300) | *10600 (23400) | *10600 (23400) | *8950 (19700) | *8950 (19700) |
| –3.0 m (–10') | 7400 (16300) | 4300 (9500) | | | 9800 (21600) | 5650 (12400) | *12850 (28400) | 8800 (19400) | *10700 (23600) | *10700 (23600) | *11050 (24400) | *11050 (24400) |
| –4.6 m (–15') | *8450 (18600) | 6050 (13300) | | | | | *11750 (25900) | 9050 (20000) | *11500 (25300) | *11500 (25300) | | |
| Arm length 3500 mm (11'6") | | | | | | | | | | | | |
| 7.6 m (25') | *2900 (6400) | *2900 6400 | | | | | | | | | | |
| 6.1 m (20') | *2800 (6100) | *2800 (6100) | *4400 (9700) | *4400 (9700) | | | | | | | | |
| 4.6 m (15') | *2800 (6200) | *2800 (6200) | *5800 (12800) | 4550 (10100) | *6600 (14600) | *6600 (14600) | | | | | | |
| 3.0 m (10') | *2950 (6600) | *2950 (6600) | *6850 (15100) | 4400 (9700) | *7900 (17400) | 6400 (14200) | *9950 (21900) | *9950 (21900) | *13800 (30500) | *13800 (30500) | | |
| 1.5 m (5') | *3250 (7200) | 2950 (6600) | 7100 (15600) | 4200 (9200) | *9250 (20400) | 6000 (13300) | *12550 (27700) | 9500 (20900) | *9700 (21400) | *9700 (21400) | | |
| 0 m (0') | *3750 (8300) | 3000 (6700) | 6900 (15200) | 4000 (8800) | 9900 (21900) | 5700 (12600) | *11100 (24400) | 8900 (19600) | *9550 (21100) | *9550 (21100) | | |
| –1.5 m (–5') | *4600 (10200) | 3250 (7200) | 6800 (15000) | 3900 (8600) | 9700 (21400) | 5550 (12200) | *10600 (23400) | 8650 (19100) | *9550 (21100) | *9550 (21100) | *8400 (18600) | *8400 (18600) |
| –3.0 m (–10') | *6250 (13800) | 3850 (8500) | 6800 (15000) | 3900 (8600) | 9650 (21300) | 5500 (12100) | *10850 (24000) | 8650 (19000) | *9550 (21100) | *9550 (21100) | *10050 (22100) | *10050 (22100) |
| –4.6 m (–15') | *8150 (18000) | 5150 (11300) | | | *9000 (19800) | 5650 (12400) | *12000 (26500) | 8850 (19500) | *9900 (21800) | *9900 (21800) | | |
| Arm length 2500 mm (8'2") | | | | | | | | | | | | |
| 7.6 m (25') | *5550 (12300) | *5550 (12300) | | | | | | | | | | |
| 6.1 m (20') | *5350 (11800) | 5100 (11300) | | | *7150 (15700) | 6850 (15100) | | | | | | |
| 4.6 m (15') | *5450 (12000) | 4250 (9300) | *6800 (14900) | 4500 (9900) | *7900 (17400) | 6650 (14600) | *9400 (20700) | *9400 (20700) | | | | |
| 3.0 m (10') | *5800 (12800) | 3800 (8400) | 7250 (16000) | 4350 (9600) | *9050 (20000) | 6300 (13900) | *11900 (26300) | 9900 (21900) | | | | |
| 1.5 m (5') | 6200 (13700) | 3650 (8100) | 7100 (15600) | 4200 (9200) | 10200 (22400) | 5950 (13100) | *11750 (25900) | 9200 (20300) | | | | |
| 0 m (0') | 6400 (14100) | 3750 (8300) | 6950 (15400) | 4100 (9000) | 9900 (21900) | 5750 (12600) | *10800 (23800) | 8850 (19500) | *9300 (20500) | *9300 (20500) | | |
| –1.5 m (–5') | 7100 (15600) | 4150 (9100) | | | 9850 (21700) | 5650 (12500) | *10850 (23900) | 8800 (19400) | *10450 (23000) | *10450 (23000) | | |
| –3.0 m (–10') | 8800 (19400) | 5100 (11300) | | | *9900 (21800) | 5750 (12600) | *11750 (25900) | 8900 (19600) | *10100 (22300) | *10100 (22300) | | |
| –4.6 m (–15') | *9000 (19900) | 7950 (17500) | | | | | *10200 (22500) | 9250 (20400) | | | | |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on ISO Standard NO. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC290LC-10 (USA source)

Conditions:

Boom: 6150 mm (20'2"), Bucketless, Shoes: 800 mm (31.5") unit: kg (lb)

| A / B | MAX | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3200 mm (10'6") | | | | | | | | | | | | |
| 7.6 m (25') | *4700 (10400) | *4700 (10400) | | | | | | | | | | |
| 6.1 m (20') | *4500 (10000) | *4500 (10000) | | | *6350 (14000) | 5900 (13000) | *7350 (16200) | *7350 (16200) | | | | |
| 4.6 m (15') | *4500 (10000) | *4500 (10000) | | | *7550 (16700) | 5800 (12800) | *8300 (18300) | 8100 (17900) | *9700 (21400) | *9700 (21400) | | |
| 3.0 m (10') | *4650 (10300) | 4400 (9700) | | | *8200 (18100) | 5650 (12400) | *9550 (21100) | 7750 (17100) | *12400 (27300) | 11700 (25800) | | |
| 1.5 m (5') | *5000 (11000) | 4300 (9500) | | | 8350 (18400) | 5450 (12100) | *10800 (23800) | 7400 (16300) | *14700 (32400) | 11000 (24300) | | |
| 0 m (0') | *5500 (12200) | 4350 (9600) | | | 8200 (18100) | 5350 (11800) | 11350 (25000) | 7150 (15800) | *15850 (34900) | 10650 (23400) | *7350 (16200) | *7350 (16200) |
| –1.5 m (–5') | *6450 (14200) | 4650 (10300) | | | 8100 (17900) | 5250 (11600) | 11200 (24700) | 7050 (15500) | *15850 (35000) | 10500 (23200) | *12550 (27700) | *12550 (27700) |
| –3.0 m (–10') | *8200 (18100) | 5350 (11800) | | | | | 11250 (24800) | 7050 (15600) | *14900 (32900) | 10550 (23300) | *19300 (42500) | *19300 (42500) |
| –4.6 m (–15') | *8800 (19400) | 6950 (15400) | | | | | *9250 (20400) | 7250 (16000) | *12600 (27800) | 10800 (23800) | *17100 (37700) | *17100 (37700) |
| Arm length 3500 mm (11'6") | | | | | | | | | | | | |
| 7.6 m (25') | *4300 (9500) | *4300 (9500) | | | | | | | | | | |
| 6.1 m (20') | *4150 (9200) | *4150 (9200) | | | *6350 (14000) | 5950 (13100) | | | | | | |
| 4.6 m (15') | *4150 (9200) | *4150 (9200) | | | *7300 (16100) | 5850 (12900) | *7900 (17400) | *7900 (17400) | | | | |
| 3.0 m (10') | *4300 (9500) | 4250 (9300) | *5000 (11000) | 4300 (9500) | *7950 (17500) | 5650 (12500) | *9200 (20300) | 7750 (17100) | *11750 (25900) | *11750 (25900) | | |
| 1.5 m (5') | *4600 (10100) | 4100 (9100) | *5750 (12700) | 4250 (9500) | 8350 (18400) | 5450 (12000) | *10500 (23100) | 7400 (16300) | *14200 (31300) | 11050 (24300) | | |
| 0 m (0') | *5050 (11100) | 4200 (9200) | | | 8150 (18000) | 5300 (11700) | 11300 (25000) | 7100 (15700) | *15600 (34400) | 10600 (23300) | *8200 (18100) | *8200 (18100) |
| –1.5 m (–5') | *5850 (12900) | 4450 (9800) | | | 8050 (17800) | 5200 (11500) | 11150 (24600) | 7000 (15400) | *15850 (34900) | 10400 (23000) | *12550 (27600) | *12550 (27600) |
| –3.0 m (–10') | *7400 (16300) | 5050 (11100) | | | 8100 (17900) | 5250 (11500) | 11150 (24600) | 6950 (15400) | *15100 (33300) | 10450 (23300) | *18300 (40300) | *18300 (40300) |
| –4.6 m (–15') | *8650 (19100) | 6400 (14100) | | | | | *9800 (21600) | 7100 (15700) | *13150 (29000) | 10650 (23500) | *18050 (39900) | *18050 (39900) |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC290LC-10 (USA source)

Conditions:

Boom: 6150 mm (20'2"), Bucketless, Shoes: 850 mm (33.5") unit: kg (lb)

| A / B | MAX | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3200 mm (10'6") | | | | | | | | | | | | |
| 7.6 m (25') | *4700 (10400) | *4700 (10400) | | | | | | | | | | |
| 6.1 m (20') | *4500 (10000) | *4500 (10000) | | | *6350 (14000) | 5950 (13100) | *7350 (16200) | *7350 (16200) | | | | |
| 4.6 m (15') | *4500 (10000) | *4500 (10000) | | | *7550 (16700) | 5850 (12900) | *8300 (18300) | 8150 (18000) | *9700 (21400) | *9700 (21400) | | |
| 3.0 m (10') | *4650 (10300) | 4450 (9800) | | | *8200 (18100) | 5700 (12500) | *9550 (21100) | 7800 (17200) | *12400 (27300) | 11750 (2600) | | |
| 1.5 m (5') | *5000 (11000) | 4300 (9500) | | | 8400 (18500) | 5500 (12100) | *10800 (23800) | 7450 (16400) | *14700 (32400) | 11050 (24400) | | |
| 0 m (0') | *5500 (12200) | 4400 (9700) | | | 8250 (18200) | 5350 (11800) | 11400 (25200) | 7200 (15900) | *15850 (34900) | 10700 (23600) | *7350 (16200) | *7350 (16200) |
| –1.5 m (–5') | *6450 (14200) | 4700 (10400) | | | 8150 (18000) | 5300 (11700) | 11300 (24900) | 7100 (15600) | *15850 (35000) | 10550 (23300) | *12550 (27700) | *12550 (27700) |
| –3.0 m (–10') | *8200 (18100) | 5400 (11900) | | | | | 11300 (24900) | 7100 (15700) | *14900 (32900) | 10650 (23400) | *19300 (42500) | *19300 (42500) |
| –4.6 m (–15') | *8800 (19400) | 7000 (15500) | | | | | *9250 (20400) | 7300 (16100) | *12600 (27800) | 10850 (23900) | *17100 (37700) | *17100 (37700) |
| Arm length 3500 mm (11'6") | | | | | | | | | | | | |
| 7.6 m (25') | *4300 (9500) | *4300 (9500) | | | | | | | | | | |
| 6.1 m (20') | *4150 (9200) | *4150 (9200) | | | *6350 (14000) | 6000 (13200) | | | | | | |
| 4.6 m (15') | *4150 (9200) | *4150 (9200) | | | *7300 (16100) | 5850 (12900) | *7900 (17400) | *7900 (17400) | | | | |
| 3.0 m (10') | *4300 (9500) | 4250 (9400) | *5000 (11000) | 4350 (9600) | *7950 (17500) | 5700 (12500) | *9200 (20300) | 7800 (17200) | *11750 (25900) | *11750 (25900) | | |
| 1.5 m (5') | *4600 (10100) | 4150 (9100) | *5750 (12700) | 4250 (9400) | 8400 (18500) | 5500 (12100) | *10500 (23100) | 7450 (16400) | *14200 (31300) | 11100 (24500) | | |
| 0 m (0') | *5050 (11100) | 4200 (9300) | | | 8200 (18100) | 5350 (11800) | 11400 (25100) | 7150 (15800) | *15600 (34400) | 10650 (23500) | *8200 (18100) | *8200 (18100) |
| –1.5 m (–5') | *5850 (12900) | 4450 (9900) | | | 8100 (17900) | 5250 (11600) | 11200 (24800) | 7000 (15500) | *15850 (34900) | 10450 (23100) | *12550 (27600) | *12550 (27600) |
| –3.0 m (–10') | *7400 (16300) | 5050 (11200) | | | 8150 (18000) | 5250 (11600) | 11200 (24700) | 7000 (15500) | *15100 (33300) | 10500 (23200) | *18300 (40300) | *18300 (40300) |
| –4.6 m (–15') | *8650 (19100) | 6450 (14200) | | | | | *9800 (21600) | 7150 (15800) | *13150 (29000) | 10700 (23600) | *18050 (39900) | *18050 (39900) |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC290LC-10 (UK source)

Conditions:

One-piece boom: 6150 mm, Bucketless, Shoes: 700 mm unit :kg

| A / B | MAX | | 9.0 m | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2000 mm | | | | | | | | | | | | |
| 7.5 m | *8010 | *8010 | | | | | | | | | | |
| 6.0 m | *7540 | 6720 | | | | | *8950 | 8320 | *10040 | *10040 | | |
| 4.5 m | *7520 | 5730 | | | *8710 | 5830 | 9780 | 8080 | *12260 | *12260 | | |
| 3.0 m | *7800 | 5270 | | | 8600 | 5720 | *10920 | 7750 | *14940 | 11450 | | |
| 1.5 m | 7720 | 5140 | | | 8460 | 5590 | 11700 | 7490 | | | | |
| 0 m | 7990 | 5280 | | | 8380 | 5510 | 11530 | 7340 | *16240 | 10910 | | |
| –1.5 m | 8850 | 5800 | | | | | 11510 | 7330 | *15390 | 10950 | *12450 | *12450 |
| –3.0 m | *9620 | 7060 | | | | | *10290 | 7460 | *13560 | 11130 | *16990 | *16990 |
| –4.5 m | | | | | | | | | | | | |
| Arm length 2650 mm | | | | | | | | | | | | |
| 7.5 m | *6990 | *6990 | | | | | *7860 | *7860 | | | | |
| 6.0 m | *6700 | 5940 | | | *6730 | 5950 | *8090 | *8090 | | | | |
| 4.5 m | *6730 | 5170 | | | *8110 | 5870 | *9010 | 8140 | *10940 | *10940 | | |
| 3.0 m | *7000 | 4780 | | | 8600 | 5700 | *10240 | 7780 | *13640 | 11650 | | |
| 1.5 m | 7000 | 4650 | | | 8420 | 5540 | *11350 | 7460 | *15610 | 11030 | | |
| 0 m | 7190 | 4750 | | | 8290 | 5420 | 11450 | 7260 | *16220 | 10780 | | |
| –1.5 m | 7820 | 5130 | | | 8250 | 5390 | 11370 | 7190 | *15820 | 10750 | *12950 | *12950 |
| –3.0 m | *9180 | 6020 | | | | | *11040 | 7250 | *14470 | 10870 | *19320 | *19320 |
| –4.5 m | *9130 | 8300 | | | | | | | *11580 | 11170 | | |
| Arm length 3200 mm | | | | | | | | | | | | |
| 7.5 m | *4720 | *4720 | | | | | | | | | | |
| 6.0 m | *4530 | *4530 | | | *6810 | 6050 | *7380 | *7380 | | | | |
| 4.5 m | *4530 | *4530 | | | *7600 | 5930 | *8360 | 8260 | *9860 | *9860 | | |
| 3.0 m | *4670 | 4390 | *4810 | 4400 | *8250 | 5740 | *9670 | 7880 | *12600 | 11910 | | |
| 1.5 m | *4980 | 4270 | *5580 | 4320 | 8440 | 5550 | *10920 | 7520 | *14920 | 11180 | | |
| 0 m | *5510 | 4340 | | | 8280 | 5410 | 11470 | 7260 | *16030 | 10800 | | |
| –1.5 m | *6410 | 4640 | | | 8200 | 5340 | 11330 | 7150 | *16040 | 10680 | *12240 | *12240 |
| –3.0 m | 8100 | 5300 | | | 8250 | 5380 | 11350 | 7160 | *15100 | 10740 | *18740 | *18740 |
| –4.5 m | *8740 | 6810 | | | | | *9570 | 7330 | *12890 | 10970 | *17440 | *17440 |
| Arm length 3500 mm | | | | | | | | | | | | |
| 7.5 m | *4310 | *4310 | | | | | | | | | | |
| 6.0 m | *4160 | *4160 | | | *6620 | 6110 | | | | | | |
| 4.5 m | *4170 | *4170 | | | *7340 | 5970 | *8000 | *8000 | | | | |
| 3.0 m | *4310 | 4230 | *5760 | 4430 | *8030 | 5780 | *9340 | 7940 | *12010 | *12010 | | |
| 1.5 m | *4590 | 4120 | 6500 | 4330 | 8460 | 5570 | *10660 | 7550 | *14480 | 11260 | | |
| 0 m | *5060 | 4180 | *6050 | 4250 | 8280 | 5410 | 11480 | 7270 | *15840 | 10810 | *7940 | *7940 |
| –1.5 m | *5850 | 4440 | | | 8180 | 5320 | 11310 | 7130 | *16080 | 10650 | *12180 | *12180 |
| –3.0 m | *7310 | 5010 | | | 8200 | 5330 | 11300 | 7110 | *15350 | 10670 | *17770 | *17770 |
| –4.5 m | *8640 | 6290 | | | | | *10100 | 7250 | *13450 | 10870 | *18480 | *18480 |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC290NLC-10 (UK source)

Conditions:

One-piece boom: 6150 mm, Bucketless, Shoes: 600 mm

unit :kg

| A / B | MAX | | 9.0 m | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2000 mm | | | | | | | | | | | | |
| 7.5 m | *8010 | *8010 | | | | | | | | | | |
| 6.0 m | *7540 | 6050 | | | | | *8950 | 7500 | *10040 | *10040 | | |
| 4.5 m | *7520 | 5160 | | | 8480 | 5250 | *9780 | 7250 | *12260 | 10930 | | |
| 3.0 m | 7680 | 4730 | | | 8350 | 5130 | *10920 | 6940 | *14940 | 10140 | | |
| 1.5 m | 7500 | 4600 | | | 8210 | 5010 | 11360 | 6680 | | | | |
| 0 m | 7750 | 4730 | | | 8130 | 4930 | 11200 | 6540 | *16240 | 9610 | | |
| –1.5 m | 8590 | 5190 | | | | | 11180 | 6520 | *15390 | 9660 | *12450 | *12450 |
| –3.0 m | *9620 | 6300 | | | | | *10290 | 6650 | *13560 | 9820 | *16990 | *16990 |
| –4.5 m | | | | | | | | | | | | |
| Arm length 2650 mm | | | | | | | | | | | | |
| 7.5 m | *6990 | 6810 | | | | | *7860 | 7680 | | | | |
| 6.0 m | *6700 | 5350 | | | *6730 | 5360 | *8090 | 7590 | | | | |
| 4.5 m | *6730 | 4640 | | | *8110 | 5280 | *9010 | 7320 | *10940 | *10940 | | |
| 3.0 m | 6950 | 4290 | | | 8350 | 5120 | *10240 | 6960 | *13640 | 10330 | | |
| 1.5 m | 6790 | 4160 | | | 8170 | 4950 | 11350 | 6650 | *15610 | 9730 | | |
| 0 m | 6970 | 4250 | | | 8040 | 4840 | 11120 | 6450 | *16220 | 9480 | | |
| –1.5 m | 7590 | 4580 | | | 8010 | 4810 | 11040 | 6380 | *15820 | 9450 | *12950 | *12950 |
| –3.0 m | 9000 | 5370 | | | | | *11040 | 6440 | *14470 | 9570 | *19320 | 18490 |
| –4.5 m | *9130 | 7390 | | | | | | | *11580 | 9860 | | |
| Arm length 3200 mm | | | | | | | | | | | | |
| 7.5 m | *4720 | *4720 | | | | | | | | | | |
| 6.0 m | *4530 | *4530 | | | *6810 | 5460 | *7380 | *7380 | | | | |
| 4.5 m | *4530 | 4230 | | | *7600 | 5340 | *8360 | 7430 | *9860 | *9860 | | |
| 3.0 m | *4670 | 3930 | *4810 | 3940 | *8250 | 5160 | *9670 | 7060 | *12600 | 10580 | | |
| 1.5 m | *4980 | 3820 | *5580 | 3860 | 8190 | 4970 | *10920 | 6700 | *14920 | 9870 | | |
| 0 m | *5510 | 3880 | | | 8030 | 4830 | 11130 | 6460 | *16030 | 9500 | | |
| –1.5 m | *6410 | 4140 | | | 7960 | 4760 | 11000 | 6340 | *16040 | 9390 | *12240 | *12240 |
| –3.0 m | 7860 | 4720 | | | 8000 | 4800 | 11010 | 6350 | *15100 | 9450 | *18740 | 18210 |
| –4.5 m | *8740 | 6070 | | | | | *9570 | 6520 | *12890 | 9670 | *17440 | *17440 |
| Arm length 3500 mm | | | | | | | | | | | | |
| 7.5 m | *4310 | *4310 | | | | | | | | | | |
| 6.0 m | *4160 | *4160 | | | *6620 | 5520 | | | | | | |
| 4.5 m | *4170 | 4070 | | | *7340 | 5380 | *8000 | 7500 | | | | |
| 3.0 m | *4310 | 3790 | *5760 | 3970 | *8030 | 5190 | *9340 | 7120 | *12010 | 10720 | | |
| 1.5 m | *4590 | 3690 | 6310 | 3870 | 8220 | 4990 | *10660 | 6740 | *14480 | 9950 | | |
| 0 m | *5060 | 3730 | *6050 | 3800 | 8040 | 4830 | 11150 | 6460 | *15480 | 9510 | *7940 | *7940 |
| –1.5 m | *5850 | 3690 | | | 7940 | 4740 | 10980 | 6320 | *16080 | 9350 | *12180 | *12180 |
| –3.0 m | *7310 | 4470 | | | 7950 | 4750 | 10960 | 6310 | *15350 | 9380 | *17770 | *17770 |
| –4.5 m | *8640 | 5610 | | | | | *10100 | 6440 | *13450 | 9570 | *18480 | 18440 |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC300-8

Conditions:

Boom: 6470 mm (21'3"), Bucket (SAE): 1.40 m³ (1.83 cu.yd), Shoes: 600 mm (24")
Lifting mode: ON

unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3185 mm (10'5") | | | | | | | | | | | | |
| 7.5 m (24') | *5300 (11700) | 4950 (10900) | | | *6850 (15200) | 5400 (11900) | | | | | | |
| 6.0 m (19') | *5250 (11600) | 3950 (8700) | | | *7250 (16000) | 5350 (11800) | | | | | | |
| 4.5 m (14') | 5050 (11200) | 3350 (7400) | 5350 (11800) | 3600 (7900) | 7500 (16500) | 5150 (11300) | *9200 (20300) | 7600 (16700) | | | | |
| 3.0 m (9') | 4700 (10300) | 3050 (6800) | 5250 (11500) | 3450 (7600) | 7150 (15800) | 4850 (10700) | 10450 (23000) | 7050 (15600) | *15000 (33100) | 11200 (24700) | | |
| 1.5 m (4') | 4550 (10000) | 2950 (6500) | 5050 (11200) | 3300 (7300) | 6900 (15200) | 4550 (10100) | 9900 (21800) | 6550 (14500) | 16000 (35300) | 10200 (22500) | | |
| 0 m (0') | 4600 (10200) | 3000 (6600) | 4950 (10900) | 3200 (7100) | 6650 (14700) | 4350 (9600) | 9500 (21000) | 6200 (13700) | 15400 (34000) | 9700 (21400) | | |
| –1.5 m (–4') | 4950 (11000) | 3200 (7100) | 4900 (10800) | 3150 (7000) | 6550 (14400) | 4250 (9400) | 9350 (20600) | 6050 (13300) | 15250 (33700) | 9550 (21100) | *9600 (21100) | *9600 (21100) |
| –3.0 m (–9') | 5750 (12700) | 3750 (8200) | | | 6550 (14400) | 4250 (9400) | 9350 (20600) | 6050 (13300) | 15300 (33800) | 9700 (21400) | *18050 (39700) | *18050 (39700) |
| –4.5 m (–14') | 7450 (16400) | 4900 (10800) | | | | | 9450 (20900) | 6200 (13700) | *12850 (28400) | 9950 (22000) | *16600 (36600) | *16600 (36600) |
| –6.0 m (–19') | *6300 (13900) | *6300 (13900) | | | | | | | *8150 (18000) | *8150 (18000) | | |
| Arm length 4020 mm (13'2") | | | | | | | | | | | | |
| 7.5 m (24') | *4150 (9200) | 4050 (8900) | | | | | | | | | | |
| 6.0 m (19') | *4050 (9000) | 3300 (7300) | 5700 (12500) | 3900 (8600) | | | | | | | | |
| 4.5 m (14') | *4150 (9100) | 2900 (6400) | 5550 (12300) | 3750 (8300) | *7100 (15700) | 5350 (11800) | | | | | | |
| 3.0 m (9') | 4100 (9000) | 2650 (5800) | 5350 (11800) | 3600 (7900) | 7350 (16300) | 5000 (11100) | *9650 (21300) | 7300 (16200) | *12950 (28600) | 11800 (26000) | | |
| 1.5 m (4') | 3950 (8700) | 2550 (5600) | 5150 (11400) | 3400 (7500) | 7000 (15400) | 4650 (10300) | 10100 (22300) | 6750 (14800) | *15950 (35200) | 10550 (23300) | | |
| 0 m (0') | 4000 (8800) | 2550 (5600) | 5000 (11000) | 3250 (7100) | 6700 (14800) | 4400 (9700) | 9600 (21100) | 6250 (13800) | 15450 (34100) | 9700 (21400) | | |
| –1.5 m (–4') | 4250 (9400) | 2700 (5900) | 4850 (10700) | 3100 (6900) | 6500 (14300) | 4200 (9300) | 9250 (20400) | 5950 (13200) | 15050 (33100) | 9350 (20600) | *9750 (21500) | *9750 (21500) |
| –3.0 m (–9') | 4750 (10500) | 3050 (6700) | 4850 (10700) | 3100 (6900) | 6450 (14200) | 4150 (9100) | 9150 (20200) | 5900 (13000) | 15000 (33100) | 9350 (20600) | *15450 (34100) | *15450 (34100) |
| –4.5 m (–14') | 5800 (12800) | 3750 (8300) | | | 6500 (14400) | 4200 (9300) | 9250 (20400) | 6000 (13200) | *14500 (31900) | 9550 (21100) | *20000 (44100) | 19800 (43600) |
| –6.0 m (–19') | *6550 (14400) | 5400 (11900) | | | | | *8150 (18000) | 6250 (13800) | *11050 (24400) | 9850 (21700) | *14600 (32200) | *14600 (32200) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC300-8

Conditions:

Boom: 6470 mm (21'3"), Bucket (SAE): 1.40 m³ (1.83 cu.yd), Shoes: 600 mm (24")

Lifting mode: ON

unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2200 mm (7'3") | | | | | | | | | | | | |
| 7.5 m (24') | *8650 (19100) | 6750 (14900) | | | | | | | | | | |
| 6.0 m (19') | 7350 (16200) | 5000 (11100) | | | 7450 (16400) | 5100 (11200) | *9100 (20100) | 7700 (17000) | | | | |
| 4.5 m (14') | 6200 (13700) | 4150 (9200) | | | 7250 (16000) | 4900 (10800) | *10250 (22600) | 7200 (15900) | *13800 (30400) | 11600 (25600) | | |
| 3.0 m (9') | 5650 (12400) | 3750 (8200) | | | 6950 (15300) | 4650 (10200) | 10050 (22200) | 6700 (14800) | | | | |
| 1.5 m (4') | 5450 (12000) | 3550 (7800) | | | 6700 (14800) | 4400 (9700) | 9600 (21100) | 6250 (13800) | | | | |
| 0 m (0') | 5600 (12300) | 3650 (8000) | | | 6550 (14500) | 4250 (9400) | 9300 (20500) | 6000 (13300) | | | | |
| –1.5 m (–4') | 6150 (13600) | 4000 (8800) | | | 6500 (14400) | 4250 (9300) | 9250 (20400) | 5950 (13100) | 15150 (33400) | 9550 (21100) | | |
| –3.0 m (–9') | 7550 (16600) | 4900 (10800) | | | | | 9400 (20700) | 6100 (13400) | *13400 (29600) | 9750 (21500) | *14850 (32700) | *14850 (32700) |
| –4.5 m (–14') | *7750 (17100) | 7350 (16300) | | | | | *6550 (14400) | 6450 (14200) | *9850 (21800) | 9850 (21800) | | |
| Arm length 2550 mm (8'4") | | | | | | | | | | | | |
| 7.5 m (24') | *7600 (16700) | 5750 (12600) | | | | | | | | | | |
| 6.0 m (19') | 6500 (14300) | 4450 (9800) | | | 7550 (16700) | 5200 (11500) | | | | | | |
| 4.5 m (14') | 5600 (12400) | 3750 (8300) | | | 7350 (16200) | 5000 (11000) | *9900 (21900) | 7350 (16200) | *13000 (28600) | 11900 (26200) | | |
| 3.0 m (9') | 5150 (11400) | 3400 (7500) | 5150 (11400) | 3400 (7500) | 7050 (15500) | 4700 (10400) | 10200 (22500) | 6850 (15100) | *15500 (34100) | 10650 (23500) | | |
| 1.5 m (4') | 5000 (11000) | 3250 (7200) | 5000 (11100) | 3250 (7200) | 6750 (14900) | 4450 (9900) | 9700 (21400) | 6350 (14100) | | | | |
| 0 m (0') | 5100 (11300) | 3300 (7300) | 4950 (10900) | 3200 (7000) | 6600 (14500) | 4300 (9500) | 9400 (20700) | 6100 (13400) | *14650 (32300) | 9500 (20900) | | |
| –1.5 m (–4') | 5550 (12300) | 3600 (8000) | | | 6500 (14400) | 4250 (9300) | 9250 (20400) | 6000 (13200) | *15200 (33600) | 9550 (21100) | | |
| –3.0 m (–9') | 6600 (14600) | 4300 (9500) | | | 6600 (14500) | 4300 (9500) | 9350 (20600) | 6050 (13400) | *14250 (31500) | 9750 (21500) | *17150 (37800) | *17150 (37800) |
| –4.5 m (–14') | *7400 (16400) | 6000 (13200) | | | | | *8300 (18300) | 6350 (14000) | *11050 (24300) | 9950 (22000) | *13100 (28900) | *13100 (28900) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC300-7

Conditions:

Boom: 6470 mm (21'3"), Bucket (SAE): 1.40 m³ (1.83 cu.yd), Shoes: 600 mm (24") unit: kg (lb)

| A / B | MAX | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3185 mm (10'5") | | | | | | | | | | | | |
| 7.6 m (25') | *4600 (10100) | *4600 (10100) | | | *5950 (13200) | 5200 (11500) | | | | | | |
| 6.1 m (20') | *4500 (9900) | 3750 (8300) | | | *6550 (14400) | 5200 (11400) | | | | | | |
| 4.6 m (15') | *4600 (10100) | 3250 (7200) | 5200 (11500) | 3500 (7700) | *7050 (15500) | 5000 (11000) | *8150 (18000) | 7400 (16300) | | | | |
| 3.0 m (10') | 4500 (9900) | 2950 (6500) | 5100 (11200) | 3350 (7400) | *6950 (15300) | 4700 (10400) | *9500 (20900) | 6850 (15100) | *12650 (27900) | 10550 (23300) | | |
| 1.5 m (5') | 4350 (9600) | 2800 (6200) | 4950 (10900) | 3250 (7100) | 6700 (14800) | 4450 (9800) | 9550 (21100) | 6350 (14000) | *14800 (32600) | 9750 (21500) | | |
| 0 m (0') | 4450 (9800) | 2850 (6300) | 4800 (10500) | 3100 (6900) | 6450 (14200) | 4250 (9400) | 9150 (20200) | 6000 (13200) | 14600 (32200) | 9200 (20300) | *7250 (16000) | *7250 (16000) |
| –1.5 m (–5') | 4750 (10500) | 3100 (6800) | 4800 (10500) | 3100 (6800) | 6350 (14000) | 4150 (9100) | 9000 (19800) | 5800 (12800) | 14400 (31700) | 9050 (19900) | *11750 (25900) | *11750 (25900) |
| –3.0 m (–10') | 5500 (12100) | 3550 (7900) | | | 6350 (14000) | 4150 (9100) | 8950 (19700) | 5800 (12800) | *13950 (30800) | 9100 (20100) | *17200 (37900) | *17200 (37900) |
| –4.6 m (–15') | *6700 (14700) | 4750 (10400) | | | | | *8500 (18700) | 6000 (13200) | *11350 (25000) | 9350 (20700) | *15250 (33600) | *15200 (33700) |
| –6.1 m (–20') | *5600 (12300) | *5600 (12300) | | | | | | | *6750 (14900) | *6750 (14900) | | |
| Arm length 4020 mm (13'2") | | | | | | | | | | | | |
| 7.6 m (25') | *3550 (7900) | *3550 (7900) | | | | | | | | | | |
| 6.1 m (20') | *3500 (7700) | 3200 (7000) | *5350 (11800) | 3750 (8300) | | | | | | | | |
| 4.6 m (15') | *3550 (7800) | 2800 (6200) | 5400 (11900) | 3650 (8100) | *6400 (14100) | 5200 (11500) | | | | | | |
| 3.0 m (10') | *3700 (8200) | 2550 (5600) | 5200 (11500) | 3500 (7700) | 7150 (15800) | 4900 (10800) | *8600 (19000) | 7100 (15700) | *11200 (24700) | *11200 (24700) | 18050 (39800) | 18050 (39800) |
| 1.5 m (5') | 3800 (8400) | 2450 (5400) | 5000 (11000) | 3300 (7300) | 6800 (15000) | 4550 (10000) | 9750 (21500) | 6500 (14400) | *13650 (30100) | 10100 (22300) | *8050 (17800) | *8050 (17800) |
| 0 m (0') | 3850 (8500) | 2450 (5400) | 4850 (10700) | 3150 (6900) | 6500 (14300) | 4300 (9400) | 9250 (20400) | 6050 (13300) | 14700 (32400) | 9300 (20500) | *8100 (17800) | *8100 (17800) |
| –1.5 m (–5') | 4100 (9000) | 2600 (5700) | 4750 (10500) | 3050 (6700) | 6300 (13900) | 4100 (9000) | 8900 (19700) | 5750 (12700) | 14250 (31400) | 8900 (19600) | *10800 (23800) | *10800 (23800) |
| –3.0 m (–10') | 4550 (10000) | 2950 (6500) | 4750 (10400) | 3050 (6700) | 6250 (13700) | 4000 (8900) | 8800 (19400) | 5650 (12500) | 14150 (31200) | 8800 (19400) | *14650 (32300) | *14650 (32300) |
| –4.6 m (–15') | 5600 (12300) | 3650 (8000) | | | 6300 (13900) | 4100 (9000) | 8900 (19600) | 5750 (12600) | *12800 (28200) | 9000 (19800) | *18300 (40300) | *18300 (40300) |
| –6.1 m (–20') | *5800 (12800) | 5250 (11600) | | | | | *6950 (15300) | 6000 (13200) | *9550 (21100) | 9350 (20700) | *13100 (28800) | *13100 (28800) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC300-7

Conditions:

Boom: 6470 mm (21'3"), Bucket (SAE): 1.40 m³ (1.83 cu.yd), Shoes: 600 mm (24") unit: kg (lb)

| A / B | MAX | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2200 mm (7'3") | | | | | | | | | | | | |
| 7.6 m (25') | *7650 (16900) | 6400 (14100) | | | | | | | | | | |
| 6.1 m (20') | 7000 (15400) | 4800 (10600) | | | 7200 (15900) | 4950 (10900) | *8200 (18100) | 7450 (16400) | | | | |
| 4.6 m (15') | 5950 (13100) | 4000 (8800) | | | 7050 (15500) | 4800 (10600) | *9100 (20100) | 7050 (15500) | *11750 (26000) | 11200 (24700) | | |
| 3.0 m (10') | 5350 (11800) | 3550 (7800) | | | 6750 (14900) | 4550 (10000) | 9700 (21400) | 6500 (14300) | *14200 (31300) | 9900 (21800) | | |
| 1.5 m (5') | 5200 (11500) | 3400 (7500) | | | 6550 (14400) | 4300 (9500) | 9050 (20000) | 5900 (13000) | 14450 (31900) | 9100 (20100) | | |
| 0 m (0') | 5350 (11800) | 3450 (7600) | | | 6350 (14000) | 4150 (9200) | 8950 (19700) | 5800 (12800) | 14200 (31300) | 8850 (19500) | | |
| –1.5 m (–5') | 5850 (12900) | 3800 (8400) | | | 6350 (14000) | 4100 (9100) | 8900 (19600) | 5750 (12600) | *14100 (31100) | 8900 (19600) | *14200 (31300) | *14200 (31300) |
| –3.0 m (–10') | 7100 (15700) | 4650 (10300) | | | | | 8850 (19500) | 5700 (12600) | *12200 (26900) | 9100 (20100) | *15100 (33300) | *15100 (33300) |
| –4.6 m (–15') | *6900 (15200) | *6900 (15200) | | | | | | | *8550 (18800) | *8550 (18800) | | |
| Arm length 2550 mm (8'4") | | | | | | | | | | | | |
| 7.6 m (25') | *6500 (14400) | 5500 (12100) | | | | | | | | | | |
| 6.1 m (20') | 6250 (13800) | 4250 (9400) | | | *7100 (15700) | 5050 (11100) | | | | | | |
| 4.6 m (15') | 5400 (11900) | 3600 (7900) | | | 7150 (15700) | 4850 (10700) | *8800 (19400) | 7150 (15800) | | | | |
| 3.0 m (10') | 4950 (10900) | 3250 (7200) | | | 6850 (15100) | 4600 (10100) | 9850 (21700) | 6600 (14500) | *13750 (30300) | 10200 (22500) | | |
| 1.5 m (5') | 4800 (10600) | 3100 (6800) | | | 6600 (14500) | 4350 (9600) | 9350 (20600) | 6150 (13600) | 14750 (32500) | 9350 (20600) | | |
| 0 m (0') | 4900 (10800) | 3200 (7000) | | | 6400 (14100) | 4200 (9200) | 9050 (19900) | 5850 (12900) | 14350 (31600) | 9000 (19800) | | |
| –1.5 m (–5') | 5350 (11800) | 3450 (7600) | | | 6350 (14000) | 4100 (9100) | 8900 (19700) | 5750 (12700) | 14300 (31600) | 8950 (19700) | *12350 (27200) | *12350 (27200) |
| –3.0 m (–10') | 6300 (13900) | 4100 (9100) | | | 6400 (14100) | 4200 (9200) | 8800 (19400) | 5650 (12400) | *12900 (28400) | 9100 (20100) | *16850 (37200) | *16850 (37200) |
| –4.6 m (–15') | *6600 (14600) | 5800 (12800) | | | | | *7100 (15600) | 6100 (13500) | *9650 (21300) | 9500 (20900) | *12100 (26700) | *12100 (26700) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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# PC300LC-8

Conditions:

Boom: 6470 mm (21'3"), Bucket (SAE): 1.40 m³ (1.83 cu.yd), Shoes: 700 mm (28")
Lifting mode: ON

unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3185 mm (10'5") | | | | | | | | | | | | |
| 7.5 m (24') | *5300 (11700) | 5200 (11400) | | | *6850 (15200) | 5650 (12500) | | | | | | |
| 6.0 m (19') | *5250 (11600) | 4150 (9100) | | | *7250 (16000) | 5600 (12400) | | | | | | |
| 4.5 m (14') | *5400 (11900) | 3550 (7900) | 6350 (14000) | 3800 (8400) | *7800 (17300) | 5400 (11900) | *9200 (20300) | 7950 (17500) | | | | |
| 3.0 m (9') | 5600 (12300) | 3250 (7200) | 6200 (13700) | 3700 (8100) | 8450 (18700) | 5100 (11300) | *10650 (23500) | 7400 (16300) | *15000 (33100) | 11750 (25900) | | |
| 1.5 m (4') | 5450 (12000) | 3150 (6900) | 6050 (13300) | 3550 (7800) | 8150 (18000) | 4850 (10600) | 11800 (26000) | 6900 (15200) | *16700 (36900) | 10700 (23600) | | |
| 0 m (0') | 5550 (12200) | 3200 (7000) | 5900 (13100) | 3400 (7500) | 7950 (17500) | 4600 (10200) | 11400 (25100) | 6550 (14500) | *17550 (38600) | 10200 (22500) | | |
| –1.5 m (–4') | 5950 (13100) | 3400 (7500) | 5850 (12900) | 3350 (7400) | 7800 (17200) | 4500 (9900) | 11200 (24700) | 6400 (14100) | *17000 (37500) | 10100 (22200) | *9600 (21100) | *9600 (21100) |
| –3.0 m (–9') | 6850 (15100) | 3950 (8700) | | | 7800 (17200) | 4500 (10000) | 11200 (24700) | 6400 (14100) | *15550 (34200) | 10200 (22500) | *18050 (39700) | *18050 (39700) |
| –4.5 m (–14') | *7550 (16600) | 5150 (11400) | | | | | *9750 (21500) | 6550 (14500) | *12850 (28400) | 10500 (23100) | *16600 (36600) | *16600 (36600) |
| –6.0 m (–19') | *6300 (13900) | *6300 (13900) | | | | | | | *8150 (18000) | *8150 (18000) | | |
| Arm length 4020 mm (13'2") | | | | | | | | | | | | |
| 7.5 m (24') | *4150 (9200) | *4150 (9200) | | | | | | | | | | |
| 6.0 m (19') | *4050 (9000) | 3500 (7800) | *6250 (13800) | 4100 (9000) | | | | | | | | |
| 4.5 m (14') | *4150 (9100) | 3100 (6800) | *6500 (14400) | 4000 (8800) | *7100 (15700) | 5600 (12400) | | | | | | |
| 3.0 m (9') | *4300 (9500) | 2800 (6200) | 6350 (14000) | 3800 (8400) | *8000 (17700) | 5300 (11600) | *9650 (21300) | 7650 (16900) | *12950 (28600) | 12300 (27200) | | |
| 1.5 m (4') | *4650 (10200) | 2700 (6000) | 6150 (13500) | 3600 (7900) | 8300 (18300) | 4950 (10900) | *11200 (24700) | 7100 (15600) | *15950 (35200) | 11050 (24400) | | |
| 0 m (0') | 4800 (10600) | 2700 (6000) | 5950 (13100) | 3450 (7600) | 8000 (17600) | 4650 (10300) | 11450 (25200) | 6600 (14600) | *17250 (38000) | 10250 (22600) | | |
| –1.5 m (–4') | 5100 (11200) | 2900 (6400) | 5850 (12900) | 3350 (7300) | 7750 (17100) | 4450 (9900) | 11100 (24500) | 6300 (13900) | *17250 (38000) | 9850 (21800) | *9750 (21500) | *9750 (21500) |
| –3.0 m (–9') | 5700 (12600) | 3250 (7200) | 5850 (12800) | 3300 (7300) | 7700 (17000) | 4400 (9700) | 11000 (24300) | 6250 (13700) | *16400 (36200) | 9850 (21700) | *15450 (34100) | *15450 (34100) |
| –4.5 m (–14') | 6950 (15300) | 4000 (8800) | | | 7800 (17200) | 4500 (9900) | *10900 (*24000) | 6350 (13900) | *14500 (31900) | 10050 (22200) | *20000 (44100) | *20000 (44100) |
| –6.0 m (–19') | *6550 (14400) | 5700 (12600) | | | | | *8150 (18000) | 6600 (14800) | *11050 (24400) | 10300 (22700) | *14600 (32200) | *14600 (32200) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC300LC-8

Conditions:

Boom: 6470 mm (21'3"), Bucket (SAE): 1.40 m³ (1.83 cu.yd), Shoes: 700 mm (28")
Lifting mode: ON

unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2200 mm (7'3") | | | | | | | | | | | | |
| 7.5 m (24') | *8650 (19100) | 7050 (15600) | | | | | | | | | | |
| 6.0 m (19') | *8300 (18300) | 5300 (11600) | | | *8200 (18100) | 5350 (11800) | *9100 (20100) | 8050 (17700) | | | | |
| 4.5 m (14') | 7350 (16200) | 4400 (9700) | | | 8550 (18900) | 5150 (11400) | *10250 (22600) | 7550 (16700) | *13800 (30400) | 12100 (26700) | | |
| 3.0 m (9') | 6700 (14800) | 3950 (8700) | | | 8250 (18200) | 4900 (10800) | *11550 (25500) | 7050 (15500) | | | | |
| 1.5 m (4') | 6500 (14300) | 3800 (8300) | | | 8000 (17600) | 4700 (10300) | 11450 (25200) | 6600 (14600) | | | | |
| 0 m (0') | 6700 (14700) | 3850 (8500) | | | 7850 (17300) | 4500 (10000) | 11150 (24600) | 6350 (14000) | | | | |
| –1.5 m (–4') | 7350 (16200) | 4250 (9400) | | | 7800 (17200) | 4500 (9900) | 11100 (24400) | 6300 (13900) | *15500 (34200) | 10100 (22200) | | |
| –3.0 m (–9') | *8600 (19000) | 5200 (11500) | | | | | *10550 (23300) | 6450 (14200) | *13400 (29600) | 10300 (22700) | *14850 (32700) | *14850 (32700) |
| –4.5 m (–14') | *7750 (17100) | *7750 (17100) | | | | | *6550 (14400) | *6550 (14400) | *9850 (21800) | *9850 (21800) | | |
| Arm length 2550 mm (8'4") | | | | | | | | | | | | |
| 7.5 m (24') | *7600 (16700) | 6000 (13200) | | | | | | | | | | |
| 6.0 m (19') | *7450 (16400) | 4650 (10300) | | | *7850 (17400) | 5450 (12000) | | | | | | |
| 4.5 m (14') | 6650 (14600) | 3950 (8700) | | | *8300 (18400) | 5250 (11600) | *9900 (21900) | 7700 (16900) | *13000 (28600) | 12400 (27400) | | |
| 3.0 m (9') | 6100 (13500) | 3600 (7900) | 6100 (13500) | 3600 (7900) | 8350 (18400) | 5000 (11000) | *11300 (24900) | 7150 (15800) | *15500 (34100) | 11200 (24700) | | |
| 1.5 m (4') | 5950 (13100) | 3450 (7600) | 6000 (13200) | 3500 (7700) | 8050 (17800) | 4750 (10400) | 11550 (25500) | 6700 (14800) | | | | |
| 0 m (0') | 6100 (13500) | 3500 (7800) | 5900 (13000) | 3400 (7500) | 7850 (17300) | 4550 (10100) | 11250 (24800) | 6450 (14200) | *14650 (32300) | 10000 (22100) | | |
| –1.5 m (–4') | 6650 (14700) | 3850 (8500) | | | 7800 (17200) | 4500 (9900) | 11100 (24500) | 6350 (14000) | *16200 (35700) | 10050 (22200) | | |
| –3.0 m (–9') | 7900 (17400) | 4550 (10100) | | | 7850 (17400) | 4550 (10100) | *11050 (24300) | 6400 (14100) | *14250 (31500) | 10250 (22600) | *17150 (37800) | *17150 (37800) |
| –4.5 m (–14') | *7400 (16400) | 6300 (13900) | | | | | *8300 (18300) | 6700 (14700) | *11050 (24300) | 10450 (23100) | *13100 (28900) | *13100 (28900) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC300LC-7

Conditions: Boom:
6470 mm (21'3"), Bucket (SAE): 1.40 m³ (1.83 cu.yd), Shoes: 700 mm (28") unit: kg (lb)

| A / B | MAX | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3185 mm (10'5") | | | | | | | | | | | | |
| 7.6 m (25') | *4600 (10100) | *4600 (10100) | | | *5950 (13200) | 5500 (12100) | | | | | | |
| 6.1 m (20') | *4500 (9900) | 3950 (8800) | | | *6550 (14400) | 5450 (12000) | | | | | | |
| 4.6 m (15') | *4600 (10200) | 3450 (7600) | 6150 (13600) | 3700 (8200) | *7050 (15500) | 5250 (11600) | *8150 (18000) | 7750 (17100) | | | | |
| 3.0 m (10') | *4900 (10800) | 3100 (6900) | 6050 (13300) | 3550 (7900) | *7750 (17100) | 5000 (11000) | *9500 (20900) | 7200 (15800) | *12650 (27900) | 11050 (24400) | | |
| 1.5 m (5') | 5200 (11500) | 3000 (6600) | 5900 (13000) | 3450 (7600) | 7950 (17500) | 4700 (10400) | *10600 (23400) | 6700 (14800) | *14800 (32700) | 10250 (22600) | | |
| 0 m (0') | 5300 (11700) | 3050 (6700) | 5750 (12700) | 3350 (7400) | 7700 (17000) | 4500 (9900) | 10950 (24200) | 6350 (14000) | *15600 (34300) | 9700 (21400) | *7250 (16000) | *7250 (16000) |
| –1.5 m (–5') | 5700 (12600) | 3300 (7300) | 5700 (12600) | 3300 (7300) | 7600 (16700) | 4400 (9700) | 10750 (23700) | 6150 (13600) | *15250 (33600) | 9550 (21000) | *11750 (25900) | *11750 (25900) |
| –3.0 m (–10') | 6550 (14500) | 3800 (8400) | | | 7600 (16700) | 4400 (9700) | *10500 (23100) | 6150 (13600) | *13950 (30800) | 9600 (21200) | *17200 (37900) | *17200 (37900) |
| –4.6 m (–15') | *6700 (14700) | 5000 (11100) | | | | | *8500 (18800) | 6300 (13900) | *11350 (25000) | 9850 (21800) | *15250 (33700) | *15250 (33700) |
| –6.1 m (–20') | *5600 (12300) | *5600 (12300) | | | | | | | *6750 (14900) | *6750 (14900) | | |
| Arm length 4020 mm (13'2") | | | | | | | | | | | | |
| 7.6 m (25') | *3550 (7900) | *3550 (7900) | | | | | | | | | | |
| 6.1 m (20') | *3500 (7700) | 3400 (7500) | *5350 (11800) | 4000 (8800) | | | | | | | | |
| 4.6 m (15') | *3550 (7800) | 2950 (6500) | *5850 (13000) | 3850 (8500) | *6400 (14100) | 5500 (12100) | | | | | | |
| 3.0 m (10') | *3700 (8200) | 2700 (6000) | 6150 (13600) | 3700 (8200) | *7200 (15800) | 5150 (11300) | *8600 (19000) | 7450 (16400) | *11200 (24700) | *11200 (24700) | 18050 (39800) | 18050 (39800) |
| 1.5 m (5') | *4000 (8800) | 2600 (5800) | 5950 (13200) | 3500 (7700) | *7900 (17400) | 4800 (10500) | *9900 (21800) | 6850 (15100) | *13650 (30100) | 10600 (23400) | *8050 (17800) | *8050 (17800) |
| 0 m (0') | *4450 (9800) | 2650 (5800) | 5800 (12800) | 3350 (7400) | 7750 (17100) | 4550 (10000) | *10800 (23800) | 6400 (14100) | *15050 (32200) | 9800 (21600) | *8100 (17800) | *8100 (17800) |
| –1.5 m (–5') | 4900 (10800) | 2800 (6100) | 5700 (12600) | 3250 (7200) | 7550 (16600) | 4350 (9600) | 10700 (23600) | 6100 (13400) | *15350 (33800) | 9400 (20700) | *10800 (23800) | *10800 (23800) |
| –3.0 m (–10') | 5500 (12100) | 3150 (6900) | 5650 (12500) | 3250 (7100) | 7450 (16500) | 4300 (9400) | 10600 (23300) | 6000 (13200) | *14650 (32300) | 9300 (20500) | *14650 (32300) | *14650 (32300) |
| –4.6 m (–15') | *6200 (13600) | 3900 (8600) | | | *7200 (15900) | 4350 (9600) | *9600 (21200) | 6050 (13400) | *12800 (28200) | 9500 (20900) | *18300 (40300) | *18300 (40300) |
| –6.1 m (–20') | *5800 (12800) | 5550 (12200) | | | | | *6950 (15300) | 6350 (14000) | *9550 (21100) | *9550 (21100) | *13100 (28800) | *13100 (28800) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC300LC-7

Conditions:

Boom: 6470 mm (21'3"), Bucket (SAE): 1.40 m³ (1.83 cu.yd), Shoes: 700 mm (28") unit: kg (lb)

| A / B | MAX | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2200 mm (7'3") | | | | | | | | | | | | |
| 7.6 m (25') | *7650 (16900) | 6700 (14700) | | | | | | | | | | |
| 6.1 m (20') | *7350 (16200) | 5050 (11100) | | | *7400 (16300) | 5200 (11400) | *8200 (18100) | 7800 (17200) | | | | |
| 4.6 m (15') | 7000 (15500) | 4200 (9300) | | | *7750 (17000) | 5050 (11100) | *9100 (20100) | 7400 (16300) | *11750 (26000) | 11700 (25800) | | |
| 3.0 m (10') | 6400 (14100) | 3750 (8300) | | | 8050 (17700) | 4800 (10600) | *10250 (22600) | 6850 (15100) | *14200 (31300) | 10400 (22900) | | |
| 1.5 m (5') | 6200 (13700) | 3600 (8000) | | | 7750 (17100) | 4550 (10100) | 10850 (24000) | 6250 (13800) | *15350 (33900) | 9600 (21200) | | |
| 0 m (0') | 6400 (14100) | 3700 (8100) | | | 7600 (16800) | 4400 (9700) | 10750 (23700) | 6150 (13500) | *15150 (33400) | 9350 (20600) | | |
| –1.5 m (–5') | 7000 (15500) | 4050 (9000) | | | 7550 (16700) | 4350 (9600) | 10650 (23500) | 6050 (13400) | *14100 (31100) | 9400 (20700) | *14200 (31300) | *14200 (31300) |
| –3.0 m (–10') | *7650 (16900) | 4900 (10800) | | | | | *9300 (20500) | 6050 (13400) | *12200 (26900) | 9600 (21200) | *15100 (33300) | *15100 (33300) |
| –4.6 m (–15') | *6900 (15200) | *6900 (15200) | | | | | | | *8550 (18800) | *8550 (18800) | | |
| Arm length 2550 mm (8'4") | | | | | | | | | | | | |
| 7.6 m (25') | *6500 (14400) | 5750 (12700) | | | | | | | | | | |
| 6.1 m (20') | *6400 (14100) | 4500 (9900) | | | *7100 (15700) | 5300 (11700) | | | | | | |
| 4.6 m (15') | 6400 (11900) | 3600 (7900) | | | *7500 (16600) | 5100 (11300) | *8800 (19400) | 7500 (16600) | | | | |
| 3.0 m (10') | 5900 (13000) | 3450 (7600) | | | 8100 (17900) | 4850 (10700) | *10000 (22100) | 6950 (15300) | *13750 (30300) | 10700 (23600) | | |
| 1.5 m (5') | 5750 (12600) | 3300 (7300) | | | 7850 (17300) | 4600 (10200) | *10900 (24100) | 6500 (14300) | *15250 (33700) | 9850 (21700) | | |
| 0 m (0') | 5850 (12900) | 3300 (7300) | | | 7650 (16800) | 4450 (9800) | 10800 (23900) | 6200 (13700) | *15450 (34000) | 9500 (20900) | | |
| –1.5 m (–5') | 6400 (14100) | 3700 (8100) | | | 7550 (16700) | 4350 (9600) | 10700 (23600) | 6100 (13500) | *14600 (32200) | 9450 (20800) | *12350 (27200) | *12350 (27200) |
| –3.0 m (–10') | *7150 (15800) | 4350 (9600) | | | *7300 (16100) | 4450 (9800) | *9700 (21400) | 6000 (13200) | *12900 (28400) | 9600 (21200) | *16850 (37200) | *16850 (37200) |
| –4.6 m (–15') | *6600 (14600) | 6100 (13500) | | | | | *7100 (15600) | 6450 (14200) | *9650 (21300) | *9650 (21300) | *12100 (26700) | *12100 (26700) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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# PC300LC-7 (India source)

Conditions:

Boom: 6470 mm (21'3"), Bucket: 1.40 m³ (1.83 cu.yd), Shoes: 600 mm (23.6") unit: kg (lb)

| A / B | MAX | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3185 mm (10'5") | | | | | | | | | | | | |
| 7.6 m (25') | *4550 (10000) | *4550 (10000) | | | *6000 (13300) | 5550 (12200) | | | | | | |
| 6.1 m (20') | *4450 (9800) | 3900 (8700) | | | *6650 (14700) | 5500 (12100) | | | | | | |
| 4.6 m (15') | *4600 (10100) | 3350 (7400) | 6200 (13700) | 3650 (8000) | *7200 (15900) | 5300 (11700) | *8400 (18500) | 7950 (17500) | | | | |
| 3.0 m (10') | *4900 (10800) | 3000 (6700) | 6050 (13400) | 3500 (7700) | *7950 (17500) | 5000 (11100) | *9800 (21700) | 7400 (16300) | *13150 (28900) | 11450 (25200) | | |
| 1.5 m (5') | 5200 (11500) | 2900 (6400) | 5900 (11500) | 3350 (6400) | 8100 (17800) | 4750 (10400) | *11000 (24300) | 6850 (15100) | *15550 (34200) | 10650 (23500) | | |
| 0 m (0') | 5300 (11700) | 2950 (6500) | 5800 (12700) | 3250 (7200) | 7850 (17300) | 4500 (9900) | 11300 (24900) | 6500 (14300) | *16350 (36000) | 10100 (22200) | *7450 (16400) | *7450 (16400) |
| –1.5 m (–5') | 5750 (12600) | 3200 (7100) | 5750 (12600) | 3200 (7100) | 7700 (17000) | 4000 (9700) | 11100 (24400) | 6300 (13900) | *16000 (35200) | 9900 (21800) | *12200 (26900) | *12200 (26900) |
| –3.0 m (–10') | 6650 (14600) | 3750 (8300) | | | 7700 (17000) | 4000 (9700) | *10900 (24000) | 6300 (13800) | *14600 (32200) | 9950 (22000) | *18000 (39700) | *18000 (39700) |
| –4.6 m (–15') | *6800 (15000) | 5050 (11200) | | | | | *8800 (19400) | 6450 (14300) | *11800 (26100) | 10250 (22600) | *16050 (35400) | *16050 (35400) |
| –6.1 m (–20') | *5650 (12500) | *5650 (12500) | | | | | | | *6950 (15300) | *6950 (15300) | | |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC350-8 (with lifting mode)

Conditions:

Boom: 6470 mm (21'3"), Bucket (SAE): 1.40 m³ (1.83 cu.yd), Shoes: 600 mm (24") unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3185 mm (10'5") | | | | | | | | | | | | |
| 7.5 m (24') | *4900 (10800) | *4900 (10800) | | | *6400 (14200) | 5550 (12300) | | | | | | |
| 6.0 m (19') | *4800 (10600) | 3950 (8800) | | | *6750 (14800) | 5500 (12100) | | | | | | |
| 4.5 m (14') | *4950 (10900) | 3350 (7400) | 5500 (12100) | 3600 (8000) | *7300 (16100) | 5250 (11600) | *8700 (19200) | 7950 (17500) | | | | |
| 3.0 m (9') | 4750 (10500) | 3050 (6700) | 5350 (11800) | 3450 (7700) | 7450 (16400) | 4950 (11000) | *10100 (22300) | 7400 (16300) | *14400 (31700) | 11950 (26300) | | |
| 1.5 m (4') | 4600 (12000) | 2900 (6400) | 5150 (11400) | 3300 (7300) | 7150 (15700) | 4700 (10300) | 10400 (23000) | 6850 (15100) | *16100 (35500) | 10850 (23900) | | |
| 0 m (0') | 4700 (10400) | 2950 (6500) | 5050 (11100) | 3200 (7000) | 6900 (15200) | 4450 (9900) | 10000 (22100) | 6500 (14300) | 16400 (36100) | 10300 (22700) | | |
| –1.5 m (–4') | 5100 (11200) | 3200 (7100) | 5000 (11000) | 3150 (6900) | 6750 (14900) | 4350 (9600) | 9800 (21600) | 6300 (13900) | 16200 (35700) | 10150 (22400) | *9050 (19900) | *9050 (19900) |
| –3.0 m (–9') | 5900 (13000) | 3800 (8300) | | | 6750 (14900) | 4350 (9600) | 9800 (21600) | 6300 (13900) | *14900 (32800) | 10250 (22600) | *17300 (38200) | *17300 (38200) |
| –4.5 m (–14') | *6950 (15300) | 5050 (11100) | | | | | *9200 (20200) | 6500 (14300) | *12250 (27000) | 10550 (23300) | *15900 (35100) | *15900 (35100) |
| –6.0 m (–19') | *5700 (12600) | *5700 (12600) | | | | | | | *7550 (16600) | *7550 (16600) | | |

## PC350LC-8 (with lifting mode)

Conditions: Boom:

6470 mm (21'3"), Bucket (SAE): 1.40 m³ (1.83 cu.yd), Shoes: 600 mm (24") unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3185 mm (10'5") | | | | | | | | | | | | |
| 7.5 m (24') | *4900 (10800) | *4900 (10800) | | | *6400 (14200) | 5750 (12600) | | | | | | |
| 6.0 m (19') | *4800 (10600) | 4100 (9000) | | | *6750 (14800) | 5650 (12500) | | | | | | |
| 4.5 m (14') | *4950 (10900) | 3500 (7700) | 6350 (14100) | 3750 (8300) | *7300 (16100) | 5450 (12000) | *8700 (19200) | 8150 (18000) | | | | |
| 3.0 m (9') | *5300 (11700) | 3150 (7000) | 6200 (13700) | 3600 (7900) | *8100 (17900) | 5100 (11300) | *10100 (22300) | 7600 (16800) | *14400 (31700) | 12250 (27000) | | |
| 1.5 m (4') | 5400 (11900) | 3050 (6700) | 6050 (13300) | 3450 (7600) | 8300 (18300) | 4850 (10700) | *11400 (25100) | 7100 (15600) | *16100 (35500) | 11150 (24600) | | |
| 0 m (0') | 5500 (12200) | 3100 (6800) | 5900 (13000) | 3300 (7300) | 8050 (17800) | 4650 (10200) | 11700 (25900) | 6700 (14800) | *16900 (37200) | 10600 (23400) | | |
| –1.5 m (–4') | 5950 (13200) | 3350 (7400) | 5850 (12900) | 3250 (7200) | 7950 (17500) | 4500 (9900) | 11500 (25400) | 6500 (14400) | *16400 (36100) | 10450 (23100) | *9050 (19900) | *9050 (19900) |
| –3.0 m (–9') | 6950 (15300) | 3900 (8600) | | | 7950 (17500) | 4500 (9900) | *11150 (24500) | 6500 (14400) | *14900 (32800) | 10600 (23300) | *17300 (38200) | *17300 (38200) |
| –4.6 m (–14') | *6950 (15300) | 5200 (11500) | | | | | *9200 (20200) | 6700 (14800) | *12250 (27000) | 10850 (24000) | *15900 (35100) | *15900 (35100) |
| –6.0 m (–19') | *5700 (12600) | *5700 (12600) | | | | | | | *7550 (16600) | *7550 (16600) | | |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.


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## PC350LC-8 (Brazil source)

Conditions:

Boom: 6500 mm, Bucket: 1.4m³ , Shoes: 700 mm unit :kg

| A / B | MAX | | 9.1 m | | 7.6 m | | 6.1 m | | 4.6 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2550 mm | | | | | | | | | | | | |
| 7.6 m | *7600 | 7600 | | | | | | | | | | |
| 6.1 m | *7450 | 5950 | | | *7850 | 6600 | | | | | | |
| 4.6 m | *7650 | 5100 | | | *8250 | 6450 | *9750 | 9250 | *12650 | *12650 | | |
| 3.0 m | 7450 | 4700 | 7250 | 4550 | *8900 | 6150 | *11050 | 8750 | *15100 | 13500 | | |
| 1.5 m | 7250 | 4550 | 7150 | 4450 | *9400 | 5950 | *12100 | 8300 | *15100 | 12650 | | |
| 0 m | 7450 | 4600 | 7050 | 4350 | 9300 | 5750 | *12400 | 8000 | *16000 | 12300 | | |
| –1.5 m | *8100 | 5050 | | | 9250 | 5700 | *12050 | 7900 | *15950 | 12350 | | |
| –3.0 m | *8000 | 5950 | | | *7800 | 5800 | *10800 | 8000 | *14050 | 12550 | *17050 | *17050 |
| –4.6 m | *7350 | *7350 | | | | | *7900 | *7900 | *10750 | *10750 | *12800 | *12800 |

Conditions:

Boom: 6500 mm, Bucket: 1.4m³ , Shoes: 800 mm unit :kg

| A / B | MAX | | 9.1 m | | 7.6 m | | 6.1 m | | 4.6 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2550 mm | | | | | | | | | | | | |
| 7.6 m | *7600 | 7600 | | | | | | | | | | |
| 6.1 m | *7450 | 6000 | | | *7850 | 6650 | | | | | | |
| 4.6 m | *7650 | 5150 | | | *8250 | 6450 | *9750 | 9300 | *12650 | *12650 | | |
| 3.0 m | 7500 | 4700 | 7300 | 4600 | *8900 | 6200 | *11050 | 8800 | *15100 | 13600 | | |
| 1.5 m | 7300 | 4550 | 7200 | 4450 | *9400 | 5950 | *12100 | 8350 | *15100 | 12700 | | |
| 0 m | 7500 | 4650 | 7100 | 4400 | 9350 | 5800 | *12400 | 8050 | *16000 | 12400 | | |
| –1.5 m | *8100 | 5050 | | | 9250 | 5750 | *12050 | 7950 | *15950 | 12450 | | |
| –3.0 m | *8000 | 6000 | | | *7800 | 5800 | *10800 | 8050 | *14050 | 12600 | *17050 | *17050 |
| –4.6 m | *7350 | *7350 | | | | | *7900 | *7900 | *10750 | *10750 | *12800 | *12800 |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC350-7

Conditions:

Boom: 6470 mm (21'3"), Bucket (SAE): 1.40 m³ (1.83 cu.yd), Shoes: 600 mm (24") unit: kg (lb)

| A / B | MAX | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3185 mm (10'5") | | | | | | | | | | | | |
| 7.6 m (25') | *4550 (10000) | *4550 (10000) | | | *6000 (13300) | 5400 (11900) | | | | | | |
| 6.1 m (20') | *4450 (9800) | 3800 (8400) | | | *6650 (14700) | 5350 (11800) | | | | | | |
| 4.6 m (15') | *4600 (10100) | 3250 (7100) | 5350 (11800) | 3500 (7700) | *7200 (15900) | 5150 (11400) | *8400 (18500) | 7750 (17100) | | | | |
| 3.0 m (10') | 4550 (10000) | 2900 (6400) | 5200 (11500) | 3400 (7500) | 7250 (16000) | 4850 (10700) | *9800 (21700) | 7200 (15800) | *13150 (28900) | 11150 (24600) | | |
| 1.5 m (5') | 4400 (9800) | 2800 (6200) | 5050 (11100) | 3250 (7200) | 6950 (15300) | 4600 (10100) | 10050 (22200) | 5550 (14700) | *15550 (34200) | 10350 (22900) | | |
| 0 m (0') | 4500 (10000) | 2850 (6300) | 4950 (10900) | 3150 (6900) | 6700 (14800) | 4350 (9600) | 9650 (21300) | 6250 (13800) | 15500 (34200) | 9800 (21600) | *7450 (16400) | *7450 (16400) |
| –1.5 m (–5') | 4900 (10800) | 3100 (6800) | 4900 (10800) | 3100 (6800) | 6600 (14500) | 4250 (9300) | 9450 (20800) | 6100 (13400) | 15300 (33700) | 9600 (21200) | *12200 (26900) | *12200 (26900) |
| –3.0 m (–10') | 5650 (12500) | 3600 (8000) | | | 6600 (14500) | 4250 (9300) | 9400 (20800) | 6050 (13400) | *14600 (32200) | 9650 (21300) | *18000 (39700) | *18000 (39700) |
| –4.6 m (–15') | *6800 (15000) | 4900 (10800) | | | | | *8800 (19400) | 6250 (13800) | *11800 (26100) | 9950 (22000) | *16050 (35400) | *16050 (35400) |
| –6.1 m (–20') | *5650 (12500) | *5650 (12500) | | | | | | | *6950 (15300) | *6950 (15300) | | |

## PC350LC-7

Conditions:

Boom: 6470 mm (21'3"), Bucket (SAE): 1.40 m³ (1.83 cu.yd), Shoes: 600 mm (24") unit: kg (lb)

| A / B | MAX | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3185 mm (10'5") | | | | | | | | | | | | |
| 7.6 m (25') | *4550 (10000) | *4550 (10000) | | | *6000 (13300) | 5550 (12200) | | | | | | |
| 6.1 m (20') | *4450 (9800) | 3900 (8700) | | | *6650 (14700) | 5500 (12100) | | | | | | |
| 4.6 m (15') | *4600 (10100) | 3350 (7400) | 6200 (13700) | 3650 (8000) | *7200 (15900) | 5300 (11700) | *8400 (18500) | 7950 (17500) | | | | |
| 3.0 m (10') | *4900 (10800) | 3000 (6700) | 6050 (13400) | 3500 (7700) | *7950 (17500) | 5000 (11100) | *9800 (21700) | 7400 (16300) | *13150 (28900) | 11450 (25200) | | |
| 1.5 m (5') | 5200 (11500) | 2900 (6400) | 5900 (13000) | 3350 (7400) | 8100 (17800) | 4750 (10400) | *11000 (24300) | 6850 (15100) | *15550 (34200) | 10650 (23500) | | |
| 0 m (0') | 5300 (11700) | 2950 (6500) | 5800 (12700) | 3250 (7200) | 7850 (17300) | 4500 (9900) | 11300 (24900) | 6500 (14300) | *16350 (36000) | 10100 (22200) | *7450 (16400) | *7450 (16400) |
| –1.5 m (–5') | 5750 (12600) | 3200 (7100) | 5750 (12600) | 3200 (7100) | 7700 (17000) | 4400 (9700) | 11100 (24400) | 6300 (13900) | *16000 (35200) | 9900 (21800) | *12200 (26900) | *12200 (26900) |
| –3.0 m (–10') | 6650 (14600) | 3750 (8300) | | | 7700 (17000) | 4400 (9700) | *10900 (24000) | 6300 (13800) | *14600 (32200) | 9950 (22000) | *18000 (39700) | *18000 (39700) |
| –4.6 m (–15') | *6800 (15000) | 5050 (11200) | | | | | *8800 (19400) | 6450 (14300) | *11800 (26100) | 10250 (22600) | *16050 (35400) | *16050 (35400) |
| –6.1 m (–20') | *5650 (12500) | *5650 (12500) | | | | | | | *6950 (15300) | *6950 (15300) | | |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC360LC-10 (UK source)

Conditions:

One-piece boom: 7060 mm, Bucketless, Shoes: 700 mm unit :kg

| A / B | MAX | | 9.0 m | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2200 mm | | | | | | | | | | | | |
| 6.0 m | *9870 | 7590 | | | | | *10830 | 10510 | | | | |
| 4.5 m | *9720 | 6590 | | | *10110 | 7340 | *11850 | 10090 | *15470 | 15190 | | |
| 3.0 m | 9160 | 6100 | | | *10590 | 7120 | *12990 | 9600 | | | | |
| 1.5 m | 8970 | 5950 | | | 10560 | 6930 | *13720 | 9230 | | | | |
| 0 m | 9250 | 6100 | | | 10430 | 6810 | *13710 | 9050 | *17640 | 13470 | | |
| –1.5 m | *9740 | 6640 | | | *10070 | 6820 | *12880 | 9040 | *16140 | 13560 | | |
| –3.0 m | *9380 | 7910 | | | | | *10940 | 9190 | *13650 | *13650 | *15120 | *15120 |
| –4.5 m | *7880 | *7880 | | | | | | | *9210 | *9210 | | |
| –6.0 m | | | | | | | | | | | | |
| Arm length 2600 mm | | | | | | | | | | | | |
| 6.0 m | *9390 | 6960 | | | *9500 | 7590 | *10450 | *10450 | | | | |
| 4.5 m | 9140 | 6140 | | | *9880 | 7420 | *11530 | 10220 | *14810 | *14810 | | |
| 3.0 m | 8560 | 5730 | | | *10440 | 7190 | *12760 | 9730 | *17560 | 14340 | | |
| 1.5 m | 8400 | 5600 | | | 10610 | 6980 | *13640 | 9330 | | | | |
| 0 m | 8630 | 5730 | | | 10460 | 6840 | *13820 | 9110 | *18210 | 13520 | | |
| –1.5 m | *9240 | 6170 | | | *10390 | 6810 | *13200 | 9060 | *16870 | 13570 | *12670 | *12670 |
| –3.0 m | *8940 | 7180 | | | | | *11560 | 9160 | *14570 | 13750 | *17260 | *17260 |
| –4.5 m | *7850 | *7850 | | | | | | | *10630 | *10630 | | |
| –6.0 m | | | | | | | | | | | | |
| Arm length 3200 mm | | | | | | | | | | | | |
| 6.0 m | *6960 | 6240 | | | *8760 | 7640 | | | | | | |
| 4.5 m | *7030 | 5570 | *7650 | 5640 | *9270 | 7440 | *10700 | 10320 | | | | |
| 3.0 m | *7310 | 5220 | 8280 | 5530 | *9950 | 7180 | *12060 | 9800 | *16280 | 14670 | | |
| 1.5 m | 7660 | 5090 | 8150 | 5410 | *10530 | 6930 | *13170 | 9330 | *18170 | 13790 | | |
| 0 m | 7830 | 5180 | 8050 | 5320 | 10370 | 6740 | *13660 | 9040 | *18460 | 13420 | | |
| –1.5 m | 8390 | 5520 | | | 10280 | 6660 | *13400 | 8920 | *17600 | 13360 | *13300 | *13300 |
| –3.0 m | *8630 | 6270 | | | *9470 | 6710 | *12240 | 8950 | *15750 | 13480 | *20330 | *20330 |
| –4.5 m | *8140 | 7920 | | | | | *9690 | 9160 | *12560 | *12560 | *15600 | *15600 |
| –6.0 m | | | | | | | | | | | | |
| Arm length 4000 mm | | | | | | | | | | | | |
| 6.0 m | *5470 | 5440 | *7220 | 5870 | *7960 | 7850 | | | | | | |
| 4.5 m | *5490 | 4930 | *7870 | 5770 | *8560 | 7610 | | | | | | |
| 3.0 m | *5660 | 4650 | *8250 | 5610 | *9340 | 7300 | *11130 | 10030 | *14560 | *14560 | | |
| 1.5 m | *5970 | 4540 | 8200 | 5440 | *10080 | 7000 | *12480 | 9470 | *17080 | 14080 | | |
| 0 m | *6490 | 4590 | 8040 | 5300 | 10390 | 6750 | *13330 | 9060 | *18230 | 13430 | *8100 | *8100 |
| –1.5 m | 7320 | 4830 | 7960 | 5230 | 10220 | 6600 | *13500 | 8830 | *18100 | 13180 | *12160 | *12160 |
| –3.0 m | *7960 | 5330 | | | *10130 | 6560 | *15870 | 8780 | *16900 | 13190 | *17440 | *17440 |
| –4.5 m | *7780 | 6350 | | | *8470 | 6690 | *11210 | 8900 | *14530 | 13400 | *19380 | *19380 |
| –6.0 m | *6950 | *6950 | | | | | *7520 | *7520 | *10320 | *10320 | *13110 | *13110 |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.


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## PC360NLC-10 (UK source)

Conditions:

One-piece boom: 7060 mm, Bucketless, Shoes: 700 mm unit :kg

| A / B | MAX | | 9.0 m | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2200 mm | | | | | | | | | | | | |
| 6.0 m | *9870 | 6980 | | | | | *10830 | 9650 | | | | |
| 4.5 m | *9720 | 6050 | | | *10110 | 6740 | *11850 | 9240 | *15470 | 13790 | | |
| 3.0 m | 9030 | 5600 | | | *10590 | 6530 | *12990 | 8770 | | | | |
| 1.5 m | 8840 | 5450 | | | 10410 | 6340 | *13720 | 8410 | | | | |
| 0 m | 9120 | 5580 | | | 10280 | 6220 | *13710 | 8230 | *17640 | 12120 | | |
| –1.5 m | *9740 | 6070 | | | *10070 | 6230 | *12880 | 8220 | *16140 | 12210 | | |
| –3.0 m | *9380 | 7220 | | | | | *10940 | 8360 | *13650 | 12430 | *15120 | *15120 |
| –4.5 m | *7880 | *7880 | | | | | | | *9210 | *9210 | | |
| –6.0 m | | | | | | | | | | | | |
| Arm length 2600 mm | | | | | | | | | | | | |
| 6.0 m | *9390 | 6410 | | | *9500 | 6980 | *10450 | 9780 | | | | |
| 4.5 m | 9010 | 5640 | | | *9880 | 6820 | *11530 | 9370 | *14810 | 14090 | | |
| 3.0 m | 8440 | 5260 | | | *10440 | 6600 | *12760 | 8890 | *17560 | 12960 | | |
| 1.5 m | 8280 | 5130 | | | 10470 | 6390 | *13640 | 8500 | | | | |
| 0 m | 8510 | 5240 | | | 10310 | 6250 | *13820 | 8290 | *18210 | 12180 | | |
| –1.5 m | 9230 | 5650 | | | 10280 | 6220 | *13200 | 8240 | *16870 | 12220 | *12670 | *12670 |
| –3.0 m | *8940 | 6560 | | | | | *11560 | 8330 | *14570 | 12400 | *17260 | *17260 |
| –4.5 m | *7850 | *7850 | | | | | | | *10630 | *10630 | | |
| –6.0 m | | | | | | | | | | | | |
| Arm length 3200 mm | | | | | | | | | | | | |
| 6.0 m | *6960 | 5740 | | | *8760 | 7030 | | | | | | |
| 4.5 m | *7030 | 5110 | *7650 | 5180 | *9270 | 6840 | *10700 | 9470 | | | | |
| 3.0 m | *7310 | 4780 | 8170 | 5070 | *9950 | 6580 | *12060 | 8950 | *16280 | 13280 | | |
| 1.5 m | 7550 | 4660 | 8030 | 4950 | 10430 | 6330 | *13170 | 8500 | *18170 | 12430 | | |
| 0 m | 7720 | 4740 | 7940 | 4860 | 10220 | 6150 | *13660 | 8210 | *18460 | 12070 | | |
| –1.5 m | 8270 | 5040 | | | 10130 | 6070 | *13400 | 8090 | *17600 | 12010 | *13300 | *13300 |
| –3.0 m | *8630 | 5720 | | | *9470 | 6120 | *12240 | 8130 | *15750 | 12120 | *20330 | *20330 |
| –4.5 m | *8140 | 7230 | | | | | *9690 | 8340 | *12560 | 12420 | *15600 | *15600 |
| –6.0 m | | | | | | | | | | | | |
| Arm length 4000 mm | | | | | | | | | | | | |
| 6.0 m | *5470 | 5000 | *7220 | 5400 | *7960 | 7240 | | | | | | |
| 4.5 m | *5490 | 4530 | *7870 | 5300 | *8560 | 7010 | | | | | | |
| 3.0 m | *5660 | 4260 | *8250 | 5150 | *9340 | 6700 | *11130 | 9180 | *14560 | 13810 | | |
| 1.5 m | *5970 | 4160 | 8080 | 4980 | *10080 | 6400 | *12480 | 8630 | *17080 | 12710 | | |
| 0 m | *6490 | 4200 | 7930 | 4840 | 10240 | 6160 | *13330 | 8230 | *18230 | 12080 | *8100 | *8100 |
| –1.5 m | 7210 | 4410 | 7850 | 4770 | 10070 | 6010 | *13500 | 8010 | *18100 | 11830 | *12160 | *12160 |
| –3.0 m | *7960 | 4870 | | | 10040 | 5980 | *12870 | 7960 | *16900 | 11840 | *17440 | *17440 |
| –4.5 m | *7780 | 5800 | | | *8470 | 6100 | *11210 | 8070 | *14530 | 12040 | *19380 | *19380 |
| –6.0 m | *6950 | *6950 | | | | | *7520 | *7520 | *10320 | *10320 | *13110 | *13110 |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC390LC-10 (USA source)

Conditions:

Boom: 6500 mm (21'3"), Bucketless unit: kg (lb)

| A / B | MAX | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3185 mm (10'5") Shoes: 800 mm (31.5") | | | | | | | | | | | | |
| 7.6 m (25') | *7200 (15900) | *7200 (15900) | | | | | | | | | | |
| 6.1 m (20') | *7000 (15500) | *7000 (15500) | | | *8900 (19650) | 8800 (19450) | | | | | | |
| 4.6 m (15') | *7100 (15650) | 6650 (14750) | | | *9400 (20750) | 8650 (19050) | *10800 (23850) | *10800 (23850) | | | | |
| 3.0 m (10') | *7400 (16300) | 6300 (13900) | *8800 (19450) | 6500 (14400) | *10050 (22200) | 8400 (18550) | *12150 (26850) | 11400 (25200) | *16350 (36150) | *16350 (36150) | | |
| 1.5 m (5') | *7950 (17550) | 6200 (13650) | *9000 (19850) | 6400 (14150) | *10650 (23450) | 8150 (18050) | *13250 (29250) | 11000 (24300) | *18250 (40250) | 16350 (36150) | | |
| 0 m (0') | *8850 (19550) | 6300 (13950) | *8900 (19600) | 6350 (14000) | *10900 (24000) | 8000 (17700) | *13750 (30300) | 10750 (23700) | *18500 (40800) | 16050 (35350) | | |
| –1.5 m (–5') | *8900 (19700) | 6750 (14950) | | | *10550 (23350) | 7950 (17550) | *13400 (29600) | 10650 (23450) | *17600 (38850) | 15950 (35250) | *14150 (31250) | *14150 (31250) |
| –3.0 m (–10') | *8850 (19500) | 7750 (17050) | | | *9250 (20500) | 8000 (17650) | *12200 (26900) | 10700 (23600) | *15650 (34550) | *15650 (34550) | *20250 (44700) | *20250 (44700) |
| –4.6 m (–15') | *8250 (18250) | *8250 (18250) | | | | | *9300 (20500) | *9300 (20500) | *12250 (27000) | *12250 (27000) | *15250 (33600) | *15250 (33600) |
| Arm length 3185 mm (10'5") Shoes: 900 mm (35.5") | | | | | | | | | | | | |
| 7.6 m (25') | *7200 (15900) | *7200 (15900) | | | | | | | | | | |
| 6.1 m (20') | *7000 (15500) | *7000 (15500) | | | *8900 (19650) | 8900 (19600) | | | | | | |
| 4.6 m (15') | *7100 (15650) | 6750 (14900) | | | *9400 (20750) | 8700 (19250) | *10800 (23850) | *10800 (23850) | | | | |
| 3.0 m (10') | *7400 (16300) | 6350 (14050) | *8800 (19450) | 6600 (14550) | *10050 (22200) | 8500 (18700) | *12150 (26850) | 11550 (25450) | *16350 (36150) | *16350 (36150) | | |
| 1.5 m (5') | *7950 (17550) | 6250 (13800) | *9000 (19850) | 6450 (14300) | *10650 (23450) | 8250 (18200) | *13250 (29250) | 11100 (24550) | *18250 (40250) | 16550 (36500) | | |
| 0 m (0') | *8850 (19550) | 6400 (14100) | *8900 (19600) | 6400 (14150) | *10900 (24000) | 8100 (17850) | *13750 (30300) | 10850 (23950) | *18500 (40800) | 16200 (35750) | | |
| –1.5 m (–5') | *8900 (19700) | 6850 (15100) | | | *10550 (23350) | 8000 (17700) | *13400 (29600) | 10750 (23700) | *17600 (38850) | 16150 (35600) | *14150 (31250) | *14150 (31250) |
| –3.0 m (–10') | *8850 (19500) | 7800 (17250) | | | *9250 (20500) | 8100 (17850) | *12200 (26900) | 10800 (23850) | *15650 (34550) | *15650 (34550) | *20250 (44700) | *20250 (44700) |
| –4.6 m (–15') | *8250 (18250) | 8250 (18250) | | | | | *9300 (20500) | *9300 (20500) | *12250 (27000) | *12250 (27000) | *15250 (33600) | *15250 (33600) |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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# PC390LC-10 (USA source)

Conditions:

Boom: 6500 mm (21'3"), Bucketless

unit: kg (lb)

| A / B | MAX | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 4020 mm (13'2") Shoes: 800 mm (31.5") | | | | | | | | | | | | |
| 7.6 m (25') | *5600 (12350) | *5600 (12350) | | | | | | | | | | |
| 6.1 m (20') | *5450 (12050) | *5450 (12050) | *6700 (14850) | 6650 (14700) | *7900 (17500) | *7900 (17500) | | | | | | |
| 4.6 m (15') | *5500 (12100) | *5500 (12100) | *7800 (17300) | 6600 (14550) | *8500 (18750) | *8500 (18750) | | | | | | |
| 3.0 m (10') | *5650 (12500) | *5500 (12100) | *8200 (18050) | 6450 (14200) | *9250 (20450) | 8350 (18400) | *11050 (24350) | *11050 (24350) | *14450 (31850) | *14450 (31850) | | |
| 1.5 m (5') | *6000 (13200) | 5350 (11850) | *8500 (18800) | 6250 (13850) | *10000 (22000) | 8050 (17750) | *12350 (27250) | 10900 (24050) | *16900 (37250) | 16350 (36050) | | |
| 0 m (0') | *6550 (14400) | 5450 (12050) | *8700 (19200) | 6150 (13550) | *10450 (23050) | 7800 (17250) | *13200 (29150) | 10550 (23300) | *17950 (39650) | 16350 (36050) | *8550 (18900) | *8550 (18900) |
| –1.5 m (–5') | *7400 (16350) | 5750 (12750) | *8500 (18700) | 6100 (13450) | *10500 (23150) | 7650 (16950) | *13300 (29350) | 10300 (22800) | *17800 (39250) | 15450 (34150) | *12750 (28150) | *12750 (28150) |
| –3.0 m (–10') | *7950 (17600) | 6400 (14150) | | | *9850 (21750) | 7650 (16900) | *12600 (27800) | 10300 (22750) | *16500 (36450) | 15500 (34200) | *18300 (40350) | *18300 (40350) |
| –4.6 m (–15') | *7750 (17100) | 7750 (17100) | | | *7900 (17400) | 7800 (17250) | *10750 (23750) | 10400 (22950) | *14000 (30900) | *14000 (30900) | *18650 (41150) | *18650 (41150) |
| Arm length 4020 mm (13'2") Shoes: 900 mm (35.5") | | | | | | | | | | | | |
| 7.6 m (25') | *5600 (12350) | *5600 (12350) | | | | | | | | | | |
| 6.1 m (20') | *5450 (12050) | *5450 (12050) | *6700 (14850) | 6700 (14850) | *7900 (17500) | *7900 (17500) | | | | | | |
| 4.6 m (15') | *5500 (12100) | *5500 (12100) | *7800 (17300) | 6650 (14700) | *8500 (18750) | *8500 (18750) | | | | | | |
| 3.0 m (10') | *5650 (12500) | 5550 (12250) | *8200 (18050) | 6500 (14350) | *9250 (20450) | 8450 (18600) | *11050 (24350) | *11050 (24350) | *14450 (31850) | *14450 (31850) | | |
| 1.5 m (5') | *6000 (13200) | 5450 (12000) | *8500 (18800) | 6350 (14000) | *10000 (22000) | 8150 (17950) | *12350 (27250) | 11000 (24300) | *16900 (37250) | 16500 (36400) | | |
| 0 m (0') | *6550 (14400) | 5500 (12200) | *8700 (19200) | 6200 (13700) | *10450 (23050) | 7900 (17450) | *13200 (29150) | 10650 (23550) | *17950 (39650) | 15850 (35000) | *8550 (18900) | *8550 (18900) |
| –1.5 m (–5') | *7400 (16350) | 5850 (12900) | *8500 (18700) | 6150 (13600) | *10500 (23150) | 7750 (17150) | *13300 (29350) | 10450 (23000) | *17800 (39250) | 15650 (34500) | *12750 (28150) | *12750 (28150) |
| –3.0 m (–10') | *7950 (17600) | 6500 (14300) | | | *9850 (21750) | 7750 (17100) | *12600 (27800) | 10400 (22950) | *16500 (36450) | 15650 (34550) | *18300 (40350) | *18300 (40350) |
| –4.6 m (–15') | *7750 (17100) | *7750 (17100) | | | *7900 (17400) | *7900 (17400) | *10750 (23750) | 10500 (23200) | *14000 (30900) | *14000 (30900) | *18650 (41150) | *18650 (41150) |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC400-8/PC400-8R

Conditions:

Boom: 7060 mm (23'2"), Bucket (SAE): 1.90 m³ (2.49 cu.yd), Shoes: 600 mm (24")
Lifting mode: ON

unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3380 mm (11'1") | | | | | | | | | | | | |
| 7.5 m (24') | *6800 (15000) | 6250 (13800) | | | | | | | | | | |
| 6.0 m (19') | *6800 (15000) | 5250 (11600) | 9050 (20000) | 6100 (13400) | *10150 (22400) | 8500 (18700) | | | | | | |
| 4.5 m (14') | *7000 (15400) | 4700 (10300) | 8850 (19500) | 5900 (13000) | *11200 (24700) | 8100 (17900) | *13450 (29700) | 11750 (25900) | | | | |
| 3.0 m (9') | 6750 (14900) | 4350 (9600) | 8600 (19000) | 5650 (12500) | 11650 (25600) | 7700 (16900) | *15750 (34800) | 11000 (24200) | *21600 (47700) | 17150 (37800) | | |
| 1.5 m (4') | 6600 (14600) | 4250 (9400) | 8350 (18400) | 5450 (12000) | 11200 (24700) | 7300 (16100) | 16100 (35500) | 10300 (22700) | *16950 (37400) | 15850 (34900) | | |
| 0.0 m (0') | 6750 (14900) | 4300 (9500) | 8150 (18000) | 5250 (11600) | 10900 (24100) | 7050 (15500) | 15600 (34400) | 9850 (21800) | *17000 (37500) | 15350 (33900) | | |
| –1.5 m (–4') | 7200 (15900) | 4600 (10200) | 8050 (17800) | 5150 (11400) | 10750 (23700) | 6850 (15200) | 15350 (33900) | 9650 (21300) | *22700 (50100) | 15350 (33800) | | |
| –3.0 m (–9') | 8150 (18000) | 5250 (11600) | 8100 (17900) | 5200 (11500) | 10700 (23600) | 6850 (15100) | 15400 (33900) | 9700 (21400) | *21800 (48000) | 15500 (34200) | *18600 (41100) | *18600 (41100) |
| –4.5 m (–14') | *9850 (21700) | 6500 (14400) | | | 10850 (23900) | 7000 (15500) | *14500 (32000) | 9900 (21800) | *18550 (40900) | 15800 (34900) | *23300 (51300) | *23300 (51300) |
| –6.0 m (–19') | *8800 (19500) | *8800 (19500) | | | | | *10150 (22400) | *10150 (22400) | *13350 (29400) | *13350 (29400) | | |
| Arm length 4000 mm (13'1") Bucket: 1.6 m³ (2.09 cu.yd) | | | | | | | | | | | | |
| 7.5 m (24') | *5850 (12900) | 5600 (12400) | | | *8550 (18800) | 6350 (14000) | | | | | | |
| 6.0 m (19') | *5800 (12800) | 4800 (10600) | | | *8800 (19400) | 6250 (13800) | | | | | | |
| 4.5 m (14') | *6000 (13200) | 4300 (9500) | 6800 (15000) | 4450 (9800) | 9000 (19800) | 6000 (13300) | *10500 (23100) | 8300 (18300) | | | | |
| 3.0 m (9') | 6250 (13700) | 4000 (8800) | 6650 (14700) | 4350 (9500) | 8700 (19200) | 5750 (12700) | *11800 (26000) | 7850 (17300) | *14700 (32500) | 11250 (24800) | *20750 (45800) | 17700 (39100) |
| 1.5 m (4') | 6100 (13500) | 3900 (8600) | 6500 (14400) | 4200 (9200) | 8400 (18500) | 5500 (12100) | 11300 (25000) | 7400 (16300) | 16250 (35900) | 10450 (23100) | *23300 (51300) | 16150 (35600) |
| 0.0 m (0') | 6200 (13700) | 3950 (8700) | 6400 (14100) | 4050 (9000) | 8200 (18100) | 5250 (11600) | 10950 (24100) | 7050 (15600) | 15650 (34500) | 9900 (21900) | *20450 (45150) | 15350 (33800) |
| –1.5 m (–4') | 6550 (14500) | 4150 (9200) | 6300 (13900) | 4000 (8800) | 8050 (17700) | 5150 (11300) | 10700 (23600) | 6850 (15100) | 15300 (33700) | 9600 (21200) | *23250 (51300) | 15050 (33200) |
| –3.0 m (–9') | 7300 (16100) | 4650 (10200) | | | 8000 (17700) | 5100 (11300) | 10600 (23400) | 6750 (14900) | 15200 (33500) | 9500 (21000) | *22850 (50400) | 15150 (33400) |
| –4.5 m (–14) | 8750 (19300) | 5600 (12300) | | | | | 10700 (23600) | 6850 (15100) | 15300 (33700) | 9650 (21300) | *20200 (44500) | 15400 (34000) |
| –6.0 m (–19) | *9150 (20100) | 7650 (166900) | | | | | *8250 (18100) | 7150 (15800) | *12250 (27000) | 10000 (22000) | *15850 (35000) | 15750 (34700) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC400-8/PC400-8R

Conditions:

Boom: 7060 mm (23'2"), Bucket (SAE): 1.90 m³ (2.49 cu.yd), Shoes: 600 mm (24")
Lifting mode: ON

unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2400 mm (7'10") | | | | | | | | | | | | |
| 7.5 m (24') | *11050 (24400) | 7950 (17600) | | | *11050 (24300) | 8450 (18600) | | | | | | |
| 6.0 m (19') | 9650 (21300) | 6450 (14300) | | | *11400 (25100) | 8250 (18200) | *13150 (28900) | 12050 (26500) | | | | |
| 4.5 m (14') | 8550 (18900) | 5650 (12500) | 8750 (19300) | 5800 (12800) | 11850 (26200) | 7900 (17500) | *15150 (33400) | 11350 (25100) | | | | |
| 3.0 m (9') | 8000 (17600) | 5250 (11600) | 8550 (18800) | 5600 (12400) | 11450 (25300) | 7550 (16700) | 16450 (36300) | 10650 (23500) | | | | |
| 1.5 m (4') | 7850 (17300) | 5100 (11300) | 8350 (18400) | 5450 (1200) | 11150 (24600) | 7250 (16000) | 15850 (35000) | 10150 (22300) | | | | |
| 0.0 m (0') | 8100 (17800) | 5250 (11500) | 8250 (18100) | 5300 (11700) | 10900 (24100) | 7050 (15600) | 15550 (34300) | 9850 (21700) | | | | |
| –1.5 m (–4') | 8800 (19400) | 5700 (12500) | 8250 (18100) | 5300 (11700) | 10850 (23900) | 7000 (15400) | 15500 (34200) | 9800 (21600) | *18450 (40700) | 15600 (34400) | | |
| –3.0 m (–9') | 10350 (22800) | 6700 (14800) | | | 10950 (24100) | 7100 (15600) | *15600 (34300) | 9950 (21900) | *19150 (42200) | 16000 (35200) | *18450 (40700) | *18450 (40700) |
| –4.5 m (–14) | *10500 (23100) | 9000 (19900) | | | | | *12200 (26900) | 10250 (22600) | *15150 (33400) | *15150 (33400) | | |
| Arm length 2900 mm (9'6") | | | | | | | | | | | | |
| 7.5 m (24') | *10050 (22200) | 7200 (15900) | | | *10100 (22300) | 8500 (18700) | | | | | | |
| 6.0 m (19') | 8900 (19600) | 5900 (13000) | 8850 (19500) | 5900 (13000) | *10650 (23400) | 8250 (18200) | | | | | | |
| 4.5 m (14') | 7900 (17400) | 5150 (11400) | 8650 (19100) | 5700 (12600) | *11600 (25600) | 7900 (17400) | *14150 (31200) | 11400 (25100) | *18550 (40900) | 18200 (40200) | | |
| 3.0 m (9') | 7400 (16300) | 4750 (10500) | 8450 (18600) | 5500 (12100) | 11400 (25100) | 7450 (16500) | *16300 (35900) | 10650 (23500) | | | | |
| 1.5 m (4') | 7250 (15900) | 4650 (10200) | 8200 (18100) | 5300 (11700) | 11000 (24300) | 7100 (15700) | 15750 (34800) | 10000 (22100) | | | | |
| 0.0 m (0') | 7400 (16300) | 4700 (10400) | 8050 (17700) | 5150 (11300) | 10750 (23700) | 6850 (15100) | 15350 (33800) | 9650 (21300) | | | | |
| –1.5 m (–4') | 8000 (17600) | 5100 (11200) | 8000 (17600) | 5100 (11200) | 10600 (23400) | 6750 (14900) | 15200 (33500) | 9500 (21000) | *22650 (49900) | 15250 (33600) | | |
| –3.0 m (–9') | 9250 (20400) | 5900 (13000) | | | 10650 (23500) | 6800 (15000) | 15300 (33800) | 9600 (21200) | *20350 (44800) | 15450 (34100) | *22050 (48600) | *22050 (48600) |
| –4.5 m (–14) | *10550 (23200) | 7700 (17000) | | | *9350 (20600) | 7050 (15500) | *13300 (29300) | 9900 (21800) | *16700 (36800) | 15650 (34500) | *19650 (43400) | *19650 (43400) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC400-7

Conditions:

Boom: 7060 mm (23'2"), Bucket (SAE): 1.90 m³ (2.49 cu.yd), Shoes: 600 mm (24") unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3380 mm (11'1") | | | | | | | | | | | | |
| 7.5 m (24') | *5750 (12600) | *5750 (12600) | *6700 (14700) | 6300 (13800) | | | | | | | | |
| 6.0 m (19') | *5750 (12600) | 5150 (11300) | *8400 (18500) | 6250 (13700) | *9150 (20100) | 8700 (19100) | | | | | | |
| 4.5 m (14') | *5950 (13000) | 4650 (10100) | *8850 (19500) | 6050 (13300) | *10100 (22100) | 8350 (18300) | *12050 (26500) | *12050 (26500) | | | | |
| 3.0 m (9') | *6250 (13700) | 4350 (9500) | 8850 (19400) | 5850 (12800) | *11100 (24400) | 7900 (17400) | *13900 (30600) | 11250 (24700) | *19450 (42800) | 17450 (38400) | | |
| 1.5 m (4') | 6600 (14400) | 4250 (9300) | 8600 (18800) | 5600 (12300) | 11500 (25200) | 7550 (16500) | *15400 (33900) | 10550 (23200) | *20800 (45800) | 16100 (35400) | | |
| 0.0 m (0') | 6750 (14700) | 4300 (9400) | 8400 (18400) | 5450 (11900) | 11150 (24500) | 7250 (15900) | 15850 (34900) | 10100 (22100) | *19800 (43600) | 15550 (34200) | | |
| –1.5 m (–4') | 7150 (15700) | 4600 (10100) | 8300 (18200) | 5350 (11700) | 11000 (24100) | 7050 (15500) | 15650 (34400) | 9850 (21700) | *21500 (47300) | 15400 (33900) | *12950 (28500) | *12950 (28500) |
| –3.0 m (–9') | 8050 (17700) | 5200 (11400) | 8300 (18300) | 5400 (11800) | 10950 (24100) | 7050 (15500) | *15050 (33100) | 9850 (21700) | *19700 (43400) | 15550 (34100) | *19000 (41800) | *19000 (41800) |
| –4.5 m (–14') | *8550 (18700) | 6400 (14000) | | | *9900 (21800) | 7200 (15800) | *13000 (28600) | 10050 (22100) | *16750 (36800) | 15850 (34900) | *21750 (47900) | *21750 (47900) |
| –6.0 m (–19') | *7700 (16900) | *7700 (16900) | | | | | *9050 (19800) | *9050 (19800) | *11950 (26200) | *11950 (26200) | | |
| Arm length 4000 mm (13'1") | | | | | | | | | | | | |
| 7.5 m (24') | *4900 (10800) | *4900 (10800) | *7550 (16500) | 6450 (14100) | | | | | | | | |
| 6.0 m (19') | *4900 (10700) | 4650 (10200) | 7800 (17100) | 6350 (13900) | | | | | | | | |
| 4.5 m (14') | *5050 (11000) | 4200 (9200) | *8350 (18300) | 6150 (13400) | *9350 (20600) | 8450 (18600) | | | | | | |
| 3.0 m (9') | *5300 (11600) | 3950 (8600) | 8850 (19500) | 5900 (12900) | *10500 (23000) | 8000 (17600) | *12950 (28500) | 11450 (25100) | *17750 (39100) | *17750 (39100) | | |
| 1.5 m (4') | *5750 (12600) | 3850 (8400) | 8600 (18900) | 5600 (12300) | *11500 (25300) | 7550 (16600) | *14700 (32300) | 10650 (23400) | *20800 (45800) | 16400 (36100) | | |
| 0.0 m (0') | *6150 (13400) | 3900 (8500) | 8350 (18300) | 5400 (11800) | 11150 (24500) | 7200 (15800) | *15750 (34700) | 10050 (22100) | *21900 (48200) | 15550 (34200) | *8550 (18800) | *8550 (18800) |
| –1.5 m (–4') | 6450 (14200) | 4100 (9000) | 8200 (18000) | 5250 (11500) | 10900 (23900) | 6950 (15300) | *15500 (34100) | 9750 (21400) | *21850 (48100) | 15250 (33500) | *12500 (27500) | *12500 (27500) |
| –3.0 m (–9') | 7200 (15700) | 4600 (10000) | 8150 (17900) | 5200 (11400) | 10800 (23700) | 6900 (15100) | *15400 (33900) | 9650 (21200) | *20550 (45300) | 15250 (33500) | *17350 (38100) | *17350 (38100) |
| –4.5 m (–14') | *8200 (18000) | 5500 (12000) | | | *10700 (23500) | 6950 (15300) | *13850 (30400) | 9750 (21500) | *18150 (39900) | 15450 (34000) | *23400 (51500) | *23400 (51500) |
| –6.0 m (–19') | *7850 (17200) | 7350 (16100) | | | | | *10700 (23500) | 9900 (21800) | *14150 (31100) | *14150 (31100) | *18550 (40800) | *18550 (40800) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC400-7

Conditions:

Boom: 7060 mm (23'2"), Bucket (SAE): 1.90 m³ (2.49 cu.yd), Shoes: 600 mm (24") unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2400 mm (7'10") | | | | | | | | | | | | |
| 7.5 m (24') | *9700 (21300) | 7750 (17000) | | | *9850 (21600) | 8600 (18900) | | | | | | |
| 6.0 m (19') | *9500 (20800) | 6400 (14000) | | | *10300 (22600) | 8450 (18600) | | | | | | |
| 4.5 m (14') | 8500 (18600) | 5650 (12300) | 8950 (19600) | 5950 (13000) | *11100 (24300) | 8150 (17900) | *13500 (29700) | 11650 (25600) | *18400 (40500) | 18150 (40000) | | |
| 3.0 m (9') | 7950 (17500) | 5250 (11500) | 8750 (19200) | 5800 (12700) | 11750 (25800) | 7800 (17100) | *14900 (32800) | 10650 (23400) | | | | |
| 1.5 m (4') | 7850 (17200) | 5100 (11200) | 8600 (18800) | 5600 (12300) | 11400 (25100) | 7450 (16400) | 16150 (35500) | 10350 (22700) | | | | |
| 0.0 m (0') | 8050 (17700) | 5250 (11500) | 8450 (18600) | 5500 (12100) | 11150 (24600) | 7250 (15900) | 15800 (34800) | 10050 (22000) | *15150 (33400) | *15150 (33400) | | |
| –1.5 m (–4') | 8750 (19200) | 5700 (12500) | | | 11100 (24400) | 7200 (15800) | *15600 (34400) | 9950 (21900) | *19950 (43900) | 15600 (34300) | | |
| –3.0 m (–9') | *9850 (21600) | 6650 (14600) | | | *10850 (23900) | 7250 (15900) | *14000 (30700) | 10100 (22200) | *17550 (38600) | 15900 (34900) | *20600 (45400) | *20600 (45400) |
| –4.5 m (–14') | *9300 (20400) | 8800 (19300) | | | | | *10700 (23500) | 10150 (22300) | *13700 (30100) | *13700 (30100) | | |
| Arm length 2900 mm (9'6") | | | | | | | | | | | | |
| 7.5 m (24') | *8800 (19400) | 7000 (15300) | | | *9100 (19900) | 8700 (19100) | | | | | | |
| 6.0 m (19') | 8700 (19100) | 5800 (12700) | *8800 (19300) | 6050 (13300) | *9600 (21100) | 8500 (18700) | | | | | | |
| 4.5 m (14') | 7800 (17100) | 5150 (11200) | *8900 (19600) | 5900 (13000) | *10450 (23000) | 8150 (17900) | *12650 (27800) | 11750 (25800) | *16850 (37100) | *16850 (37100) | | |
| 3.0 m (9') | 7350 (16100) | 4800 (10500) | *8700 (19100) | 5700 (12500) | *11400 (25100) | 7750 (17000) | *14400 (31700) | 10950 (24000) | | | | |
| 1.5 m (4') | 7200 (15800) | 4650 (10200) | *8500 (18600) | 5500 (12100) | 11300 (24900) | 7350 (16200) | *15650 (34400) | 10250 (22600) | | | | |
| 0.0 m (0') | 7400 (16200) | 4750 (10400) | *8300 (18300) | 5350 (11700) | 11050 (24200) | 7100 (15600) | 15650 (34400) | 9900 (21700) | *20500 (45100) | 15250 (33500) | | |
| –1.5 m (–4') | 7950 (17400) | 5100 (11200) | *8250 (18100) | 5300 (11600) | 10900 (24000) | 7000 (15300) | 15500 (34100) | 9750 (21400) | *20650 (45500) | 15250 (33500) | *14800 (32600) | *14800 (32600) |
| –3.0 m (–9') | 9100 (20000) | 5900 (12900) | | | 10950 (24000) | 7000 (15400) | *14400 (31700) | 9800 (21500) | *18500 (40700) | 15450 (34000) | *22800 (50200) | *22800 (50200) |
| –4.5 m (–14') | *9200 (20200) | 7500 (16500) | | | | | *11900 (26200) | 10050 (22100) | *15150 (33000) | *15150 (33300) | *18700 (41100) | *18700 (41100) |
| –6.0 m (–19') | *7850 (17200) | *7850 (17200) | | | | | | | | | | |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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# PC400LC-8/PC400LC-8R

Conditions:

Boom: 7060 mm (23'2"), Bucket (SAE): 1.90 m³ (2.49 cu.yd), Shoes: 600 mm (24")
Lifting mode: ON

unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3380 mm (11'1") | | | | | | | | | | | | |
| 7.5 m (24') | *6800 (15000) | 6450 (14200) | | | | | | | | | | |
| 6.0 m (19') | *6800 (15000) | 5450 (12000) | *9400 (20700) | 6300 (13900) | *10150 (22400) | 8750 (19300) | | | | | | |
| 4.5 m (14') | *7000 (15400) | 4850 (10700) | 9900 (21800) | 6100 (13500) | *11200 (24700) | 8350 (18500) | *13450 (29700) | 12050 (26600) | | | | |
| 3.0 m (9') | *7400 (16400) | 4550 (10000) | 9900 (21800) | 5850 (12900) | *12400 (27400) | 7950 (17500) | *15750 (34800) | 11300 (25000) | *21600 (47700) | 17650 (38900) | | |
| 1.5 m (4') | 7650 (16900) | 4400 (9800) | 9650 (21200) | 5650 (12400) | 12950 (28500) | 7550 (16700) | *17450 (38500) | 10650 (23500) | *16950 (37400) | 16350 (36100) | | |
| 0.0 m (0') | 7800 (17200) | 4500 (9900) | 9450 (20800) | 5450 (12000) | 12600 (27800) | 7300 (16100) | *18050 (39800) | 10200 (22500) | *17000 (37500) | 15850 (35000) | | |
| –1.5 m (–4') | 8350 (18400) | 4800 (10600) | 9350 (20600) | 5400 (11900) | 12450 (27400) | 7150 (15700) | *17900 (39400) | 10000 (22100) | *22700 (50100) | 15850 (34900) | | |
| –3.0 m (–9') | 9450 (20800) | 5450 (12000) | 9350 (20700) | 5400 (11900) | 12450 (27400) | 7100 (15700) | *16800 (37000) | 10050 (22100) | *21800 (48000) | 16000 (35300) | *18600 (41100) | *18600 (41100) |
| –4.5 m (–14') | *9850 (21700) | 6750 (14900) | | | *11050 (24400) | 7300 (16000) | *14500 (32000) | 10250 (22600) | *18550 (40900) | 16350 (36100) | *23300 (51300) | *23300 (51300) |
| –6.0 m (–19') | *8800 (19500) | *8800 (19500) | | | | | *10150 (22400) | *10150 (22400) | *13350 (29400) | *13350 (29400) | | |
| Arm length 4000 mm (13'1") Bucket: 1.6 m³ (2.09 cu.yd) | | | | | | | | | | | | |
| 7.5 m (24') | *5850 (12900) | 5800 (12800) | | | *8550 (18800) | 6550 (14400) | | | | | | |
| 6.0 m (19') | *5800 (12800) | 4950 (11000) | | | *8800 (19400) | 6450 (14200) | | | | | | |
| 4.5 m (14') | *6000 (13200) | 4450 (9800) | 7800 (17300) | 4650 (10200) | *9350 (20600) | 6250 (13700) | *10500 (23100) | 8550 (18900) | | | | |
| 3.0 m (9') | *6300 (13900) | 4150 (9200) | 7700 (16900) | 4500 (9900) | 10000 (22000) | 5950 (13100) | *11800 (26000) | 8100 (17800) | *14700 (32500) | 11550 (25500) | *20750 (45800) | 18200 (40200) |
| 1.5 m (4') | *6850 (15100) | 4050 (8900) | 7500 (16600) | 4350 (9600) | 9700 (21400) | 5700 (12500) | *12950 (28600) | 7650 (16900) | *16750 (36900) | 10800 (23800) | *23300 (51300) | 16650 (36800) |
| 0.0 m (0') | 7200 (15800) | 4100 (9000) | 7400 (16300) | 4250 (9300) | 9450 (20900) | 5500 (12100) | 12650 (27900) | 7300 (16100) | *17800 (39200) | 10250 (22600) | *20450 (45150) | 15850 (35000) |
| –1.5 m (–4') | 7600 (16800) | 4350 (9600) | 7350 (16200) | 4200 (9200) | 9300 (20500) | 5350 (11800) | 12400 (27400) | 7100 (15600) | 17850 (39400) | 9950 (21900) | *23250 (51300) | 15600 (34400) |
| –3.0 m (–9') | 8450 (18600) | 4850 (10700) | | | 9300 (20500) | 5300 (11700) | 12300 (27200) | 7000 (15500) | *17250 (38100) | 9850 (21700) | *22850 (50400) | 15650 (34500) |
| –4.5 m (–14) | *9550 (21100) | 5800 (12800) | | | | | *12050 (26600) | 7100 (15700) | *15550 (34300) | 10000 (22000) | *20200 (44500) | 15950 (35100) |
| –6.0 m (–19) | *9150 (20100) | 7950 (17500) | | | | | *8250 (18100) | 7400 (16300) | *12250 (27000) | 10350 (22800) | *15850 (35000) | *15850 (35000) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC400LC-8/PC400LC-8R

Conditions:

Boom: 7060 mm (23'2"), Bucket (SAE): 1.90 m³ (2.49 cu.yd), Shoes: 600 mm (24")
Lifting mode: ON

unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2400 mm (7'10") | | | | | | | | | | | | |
| 7.5 m (24') | *11050 (24400) | 8200 (18100) | | | *11050 (24300) | 8700 (19200) | | | | | | |
| 6.0 m (19') | *10800 (23900) | 6700 (14800) | | | *11400 (25100) | 8550 (18800) | *13150 (28900) | 12400 (27300) | | | | |
| 4.5 m (14') | 9800 (21600) | 5850 (12900) | 10000 (22100) | 6000 (13200) | *12300 (27100) | 8200 (18000) | *15150 (33400) | 11700 (25800) | | | | |
| 3.0 m (9') | 9200 (20300) | 5450 (12000) | 9800 (21600) | 5800 (12800) | 13200 (29100) | 7800 (17200) | *17200 (37900) | 11000 (24300) | | | | |
| 1.5 m (4') | 9050 (19900) | 5300 (11700) | 9600 (21200) | 5650 (12400) | 12850 (28300) | 7500 (16600) | *18200 (40100) | 10450 (23100) | | | | |
| 0.0 m (0') | 9300 (20500) | 5450 (12000) | 9500 (20900) | 5550 (12200) | 12650 (27800) | 7300 (16100) | 18150 (40000) | 10200 (22500) | | | | |
| –1.5 m (–4') | 10150 (22400) | 5900 (13000) | 9500 (20900) | 5550 (12200) | 12550 (27700) | 7250 (16000) | *17400 (38300) | 10150 (22400) | *18450 (40700) | 16100 (35500) | | |
| –3.0 m (–9') | *11200 (24700) | 6950 (15300) | | | *12100 (26700) | 7350 (16200) | *15600 (34300) | 10300 (22700) | *19150 (42200) | 16500 (36400) | *18450 (40700) | *18450 (40700) |
| –4.5 m (–14) | *10500 (23100) | 9300 (20600) | | | | | *12200 (26900) | 10600 (23400) | *15150 (33400) | *15150 (33400) | | |
| Arm length 2900 mm (9'6") | | | | | | | | | | | | |
| 7.5 m (24') | *10050 (22200) | 7400 (16400) | | | *10100 (22300) | 8750 (19300) | | | | | | |
| 6.0 m (19') | *9900 (21900) | 6100 (13500) | *9800 (21600) | 6100 (13400) | *10650 (23400) | 8550 (18800) | | | | | | |
| 4.5 m (14') | 9100 (20000) | 5350 (11800) | 9950 (22000) | 5900 (13100) | *11600 (25600) | 8150 (18000) | *14150 (31200) | 11750 (25900) | *18550 (40900) | 18550 (40900) | | |
| 3.0 m (9') | 8500 (18800) | 4950 (10900) | 9700 (21400) | 5700 (12600) | *12700 (28000) | 7700 (17000) | *16300 (35900) | 11000 (24200) | | | | |
| 1.5 m (4') | 8350 (18400) | 4800 (10600) | 9500 (20900) | 5500 (12100) | 12750 (28100) | 7350 (16300) | *17650 (38900) | 10350 (22800) | | | | |
| 0.0 m (0') | 8550 (18900) | 4900 (10800) | 9300 (20500) | 5350 (11800) | 12450 (27400) | 7100 (15700) | *17900 (39500) | 10000 (22000) | | | | |
| –1.5 m (–4') | 9250 (20400) | 5300 (11700) | 9250 (20400) | 5300 (11700) | 12300 (27100) | 7000 (15400) | *17450 (38500) | 9850 (21700) | *22650 (49900) | 15750 (34700) | | |
| –3.0 m (–9') | 10700 (23600) | 6150 (13500) | | | 12350 (27200) | 7050 (15500) | *16050 (35400) | 9950 (22000) | *20350 (44800) | 16000 (35200) | *22050 (48600) | *22050 (48600) |
| –4.5 m (–14) | *10550 (23200) | 7950 (17600) | | | *9350 (20600) | 7300 (16100) | *13300 (29300) | 10250 (22600) | *16700 (36800) | 16150 (35600) | *19650 (43400) | *19650 (43400) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC400-7

Conditions:

Boom: 7060 mm (23'2"), Bucket (SAE): 1.90 m³ (2.49 cu.yd), Shoes: 600 mm (24") unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3380 mm (11'1") | | | | | | | | | | | | |
| 7.5 m (24') | *5750 (12600) | *5750 (12600) | *6700 (14700) | 6300 (13800) | | | | | | | | |
| 6.0 m (19') | *5750 (12600) | 5150 (11300) | *8400 (18500) | 6250 (13700) | *9150 (20100) | 8700 (19100) | | | | | | |
| 4.5 m (14') | *5950 (13000) | 4650 (10100) | *8850 (19500) | 6050 (13300) | *10100 (22100) | 8350 (18300) | *12050 (26500) | *12050 (26500) | | | | |
| 3.0 m (9') | *6250 (13700) | 4350 (9500) | 8850 (19400) | 5850 (12800) | *11100 (24400) | 7900 (17400) | *13900 (30600) | 11250 (24700) | *19450 (42800) | 17450 (38400) | | |
| 1.5 m (4') | 6600 (14400) | 4250 (9300) | 8600 (18800) | 5600 (12300) | 11500 (25200) | 7550 (16500) | *15400 (33900) | 10550 (23200) | *20800 (45800) | 16100 (35400) | | |
| 0.0 m (0') | 6750 (14700) | 4300 (9400) | 8400 (18400) | 5450 (11900) | 11150 (24500) | 7250 (15900) | 15850 (34900) | 10100 (22100) | *19800 (43600) | 15550 (34200) | | |
| –1.5 m (–4') | 7150 (15700) | 4600 (10100) | 8300 (18200) | 5350 (11700) | 11000 (24100) | 7050 (15500) | 15650 (34400) | 9850 (21700) | *21500 (47300) | 15400 (33900) | *12950 (28500) | *12950 (28500) |
| –3.0 m (–9') | 8050 (17700) | 5200 (11400) | 8300 (18300) | 5400 (11800) | 10950 (24100) | 7050 (15500) | *15050 (33100) | 9850 (21700) | *19700 (43400) | 15550 (34100) | *19000 (41800) | *19000 (41800) |
| –4.5 m (–14') | *8550 (18700) | 6400 (14000) | | | *9900 (21800) | 7200 (15800) | *13000 (28600) | 10050 (22100) | *16750 (36800) | 15850 (34900) | *21750 (47900) | *21750 (47900) |
| –6.0 m (–19') | *7700 (16900) | *7700 (16900) | | | | | *9050 (19800) | *9050 (19800) | *11950 (26200) | *11950 (26200) | | |
| Arm length 4000 mm (13'1") | | | | | | | | | | | | |
| 7.5 m (24') | *4900 (10800) | *4900 (10800) | *7550 (16500) | 6450 (14100) | | | | | | | | |
| 6.0 m (19') | *4900 (10700) | 4650 (10200) | 7800 (17100) | 6350 (13900) | | | | | | | | |
| 4.5 m (14') | *5050 (11000) | 4200 (9200) | *8350 (18300) | 6150 (13400) | *9350 (20600) | 8450 (18600) | | | | | | |
| 3.0 m (9') | *5300 (11600) | 3950 (8600) | 8850 (19500) | 5900 (12900) | *10500 (23000) | 8000 (17600) | *12950 (28500) | 11450 (25100) | *17750 (39100) | *17750 (39100) | | |
| 1.5 m (4') | *5750 (12600) | 3850 (8400) | 8600 (18900) | 5600 (12300) | *11500 (25300) | 7550 (16600) | *14700 (32300) | 10650 (23400) | *20800 (45800) | 16400 (36100) | | |
| 0.0 m (0') | *6150 (13400) | 3900 (8500) | 8350 (18300) | 5400 (11800) | 11150 (24500) | 7200 (15800) | *15750 (34700) | 10050 (22100) | *21900 (48200) | 15550 (34200) | *8550 (18800) | *8550 (18800) |
| –1.5 m (–4') | 6450 (14200) | 4100 (9000) | 8200 (18000) | 5250 (11500) | 10900 (23900) | 6950 (15300) | *15500 (34100) | 9750 (21400) | *21850 (48100) | 15250 (33500) | *12500 (27500) | *12500 (27500) |
| –3.0 m (–9') | 7200 (15700) | 4600 (10000) | 8150 (17900) | 5200 (11400) | 10800 (23700) | 6900 (15100) | *15400 (33900) | 9650 (21200) | *20550 (45300) | 15250 (33500) | *17350 (38100) | *17350 (38100) |
| –4.5 m (–14') | *8200 (18000) | 5500 (12000) | | | *10700 (23500) | 6950 (15300) | *13850 (30400) | 9750 (21500) | *18150 (39900) | 15450 (34000) | *23400 (51500) | *23400 (51500) |
| –6.0 m (–19') | *7850 (17200) | 7350 (16100) | | | | | *10700 (23500) | 9900 (21800) | *14150 (31100) | *14150 (31100) | *18550 (40800) | *18550 (40800) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC400-7

Conditions:

Boom: 7060 mm (23'2"), Bucket (SAE): 1.90 m³ (2.49 cu.yd), Shoes: 600 mm (24") unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2400 mm (7'10") | | | | | | | | | | | | |
| 7.5 m (24') | *9700 (21300) | 7750 (17000) | | | *9850 (21600) | 8600 (18900) | | | | | | |
| 6.0 m (19') | *9500 (20800) | 6400 (14000) | | | *10300 (22600) | 8450 (18600) | | | | | | |
| 4.5 m (14') | 8500 (18600) | 5650 (12300) | 8950 (19600) | 5950 (13000) | *11100 (24300) | 8150 (17900) | *13500 (29700) | 11650 (25600) | *18400 (40500) | 18150 (40000) | | |
| 3.0 m (9') | 7950 (17500) | 5250 (11500) | 8750 (19200) | 5800 (12700) | 11750 (25800) | 7800 (17100) | *14900 (32800) | 10650 (23400) | | | | |
| 1.5 m (4') | 7850 (17200) | 5100 (11200) | 8600 (18800) | 5600 (12300) | 11400 (25100) | 7450 (16400) | 16150 (35500) | 10350 (22700) | | | | |
| 0.0 m (0') | 8050 (17700) | 5250 (11500) | 8450 (18600) | 5500 (12100) | 11150 (24600) | 7250 (15900) | 15800 (34800) | 10050 (22000) | *15150 (33400) | *15150 (33400) | | |
| –1.5 m (–4') | 8750 (19200) | 5700 (12500) | | | 11100 (24400) | 7200 (15800) | *15600 (34400) | 9950 (21900) | *19950 (43900) | 15600 (34300) | | |
| –3.0 m (–9') | *9850 (21600) | 6650 (14600) | | | *10850 (23900) | 7250 (15900) | *14000 (30700) | 10100 (22200) | *17550 (38600) | 15900 (34900) | *20600 (45400) | *20600 (45400) |
| –4.5 m (–14') | *9300 (20400) | 8800 (19300) | | | | | *10700 (23500) | 10150 (22300) | *13700 (30100) | *13700 (30100) | | |
| Arm length 2900 mm (9'6") | | | | | | | | | | | | |
| 7.5 m (24') | *8800 (19400) | 7000 (15300) | | | *9100 (19900) | 8700 (19100) | | | | | | |
| 6.0 m (19') | 8700 (19100) | 5800 (12700) | *8800 (19300) | 6050 (13300) | *9600 (21100) | 8500 (18700) | | | | | | |
| 4.5 m (14') | 7800 (17100) | 5150 (11200) | *8900 (19600) | 5900 (13000) | *10450 (23000) | 8150 (17900) | *12650 (27800) | 11750 (25800) | *16850 (37100) | *16850 (37100) | | |
| 3.0 m (9') | 7350 (16100) | 4800 (10500) | *8700 (19100) | 5700 (12500) | *11400 (25100) | 7750 (17000) | *14400 (31700) | 10950 (24000) | | | | |
| 1.5 m (4') | 7200 (15800) | 4650 (10200) | *8500 (18600) | 5500 (12100) | 11300 (24900) | 7350 (16200) | *15650 (34400) | 10250 (22600) | | | | |
| 0.0 m (0') | 7400 (16200) | 4750 (10400) | *8300 (18300) | 5350 (11700) | 11050 (24200) | 7100 (15600) | 15650 (34400) | 9900 (21700) | *20500 (45100) | 15250 (33500) | | |
| –1.5 m (–4') | 7950 (17400) | 5100 (11200) | *8250 (18100) | 5300 (11600) | 10900 (24000) | 7000 (15300) | 15500 (34100) | 9750 (21400) | *20650 (45500) | 15250 (33500) | *14800 (32600) | *14800 (32600) |
| –3.0 m (–9') | 9100 (20000) | 5900 (12900) | | | 10950 (24000) | 7000 (15400) | *14400 (31700) | 9800 (21500) | *18500 (40700) | 15450 (34000) | *22800 (50200) | *22800 (50200) |
| –4.5 m (–14') | *9200 (20200) | 7500 (16500) | | | | | *11900 (26200) | 10050 (22100) | *15150 (33000) | *15150 (33300) | *18700 (41100) | *18700 (41100) |
| –6.0 m (–19') | *7850 (17200) | *7850 (17200) | | | | | | | | | | |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC400LC-7

Conditions:

Boom: 7060 mm (23'2"), Bucket (SAE): 1.90 m³ (2.49 cu.yd), Shoes: 700 mm (28") unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3380 mm (11'1") | | | | | | | | | | | | |
| 7.5 m (24') | *5750 (12600) | *5750 (12600) | *6700 (14700) | 6500 (14200) | | | | | | | | |
| 6.0 m (19') | *5750 (12600) | 5350 (11700) | *8400 (18500) | 6450 (14100) | *9150 (20100) | 8950 (19700) | | | | | | |
| 4.5 m (14') | *5950 (13000) | 4800 (10500) | *8850 (19500) | 6250 (13700) | *10100 (22100) | 8600 (18900) | *12050 (26500) | *12050 (26500) | | | | |
| 3.0 m (9') | *6250 (13700) | 4500 (9900) | *9400 (20700) | 6050 (13300) | *11100 (24400) | 8200 (17900) | *13900 (30600) | 11600 (25400) | *19450 (42800) | 17950 (39500) | | |
| 1.5 m (4') | 6800 (14900) | 4400 (9600) | 9850 (21700) | 5850 (12800) | *12000 (26400) | 7800 (17100) | *15400 (33900) | 10900 (23900) | *20800 (45800) | 16600 (36600) | | |
| 0.0 m (0') | 7650 (16800) | 4500 (9800) | 9700 (21300) | 5650 (12400) | *12500 (27500) | 7500 (16400) | *16150 (35500) | 10400 (22900) | *19800 (43600) | 16050 (35300) | | |
| –1.5 m (–4') | 8300 (18200) | 4800 (10500) | 9600 (21000) | 5550 (12200) | *12500 (27400) | 7300 (16100) | *16050 (35300) | 10200 (22400) | *21500 (47300) | 15900 (35000) | *12950 (28500) | *12950 (28500) |
| –3.0 m (–9') | 8700 (19100) | 5400 (11900) | *9050 (19900) | 5600 (12200) | *11750 (25800) | 7300 (16000) | *15050 (33100) | 10200 (22400) | *19700 (43400) | 16050 (35300) | *19000 (41800) | *19000 (41800) |
| –4.5 m (–14') | *8550 (18700) | 6650 (14500) | | | *9900 (21800) | 7450 (16300) | *13000 (28600) | 10400 (22800) | *16750 (36800) | 16350 (36000) | *21750 (47900) | *21750 (47900) |
| –6.0 m (–19') | *7700 (16900) | *7700 (16900) | | | | | *9050 (19800) | *9050 (19800) | *11950 (26200) | *11950 (26200) | | |
| Arm length 4000 mm (13'1") | | | | | | | | | | | | |
| 7.5 m (24') | *4900 (10800) | *4900 (10800) | *7550 (16500) | 6650 (14600) | | | | | | | | |
| 6.0 m (19') | *4900 (10700) | 4850 (10600) | *7800 (17100) | 6550 (14400) | | | | | | | | |
| 4.5 m (14') | *5050 (11000) | 4350 (9600) | *8350 (18300) | 6350 (13900) | *9350 (20600) | 8700 (19100) | | | | | | |
| 3.0 m (9') | *5300 (11600) | 4100 (9000) | *8950 (19700) | 6100 (13300) | *10500 (23000) | 8250 (18100) | *12950 (28500) | 11750 (25900) | *17750 (39100) | *17750 (39100) | | |
| 1.5 m (4') | *5750 (12600) | 4000 (8700) | *9550 (2100) | 5800 (12800) | *11500 (25300) | 7800 (17100) | *14700 (32300) | 11000 (24100) | *20800 (45800) | 16900 (37200) | | |
| 0.0 m (0') | *6400 (14000) | 4050 (8900) | 9650 (21200) | 5600 (12300) | *12200 (26800) | 7450 (16300) | *15750 (34700) | 10400 (22900) | *21900 (48200) | 16050 (35300) | *8550 (18800) | *8550 (18800) |
| –1.5 m (–4') | *7400 (16300) | 4300 (9400) | 9500 (20800) | 5450 (12000) | *12400 (27300) | 7250 (15900) | *16000 (35200) | 10100 (22200) | *21850 (48100) | 15750 (34600) | *12500 (27500) | *12500 (27500) |
| –3.0 m (–9') | *8200 (18000) | 4750 (10400) | 9450 (20700) | 5450 (11900) | *12000 (26400) | 7150 (15700) | *15400 (33900) | 10000 (22000) | *20550 (45300) | 15750 (34600) | *17350 (38100) | *17350 (38100) |
| –4.5 m (–14') | *8200 (18000) | 5700 (12500) | | | *10700 (23500) | 7200 (15800) | *13850 (30400) | 10100 (22200) | *18150 (39900) | 15950 (35100) | *23400 (51500) | *23400 (51500) |
| –6.0 m (–19') | *7850 (17200) | 7600 (16700) | | | | | *10700 (23500) | 10250 (22500) | *14150 (31100) | *14150 (31100) | *18550 (40800) | *18550 (40800) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC400LC-7

Conditions:

Boom: 7060 mm (23'2"), Bucket (SAE): 1.90 m³ (2.49 cu.yd), Shoes: 700 mm (28") unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2400 mm (9'6") | | | | | | | | | | | | |
| 7.5 m (24') | *9700 (21300) | 8000 (17600) | | | *9850 (21600) | 8900 (19500) | | | | | | |
| 6.0 m (19') | *9500 (20800) | 6600 (14500) | | | *10300 (22600) | 8750 (19200) | | | | | | |
| 4.5 m (14') | *9450 (20800) | 5850 (12800) | *9650 (21200) | 6150 (13500) | *11100 (24300) | 8400 (18500) | *13500 (29700) | 12000 (26300) | *18400 (40500) | *18400 (40500) | | |
| 3.0 m (9') | 9150 (20100) | 5450 (11900) | *10050 (22000) | 6000 (13100) | *11950 (26200) | 8050 (17600) | *14900 (32800) | 10950 (24100) | | | | |
| 1.5 m (4') | 9000 (19800) | 5300 (11600) | 9850 (21700) | 5850 (12800) | *12550 (27600) | 7700 (16900) | *16150 (35600) | 10650 (23400) | | | | |
| 0.0 m (0') | 9250 (20400) | 5450 (11900) | 9750 (21400) | 5700 (12500) | *12750 (28000) | 7500 (16500) | *16300 (35900) | 10400 (22800) | *15150 (33400) | *15150 (33400) | | |
| –1.5 m (–4') | *9900 (21800) | 5900 (12900) | | | *12250 (27000) | 7450 (16300) | *15600 (34400) | 10300 (22700) | *19950 (43900) | 16100 (35400) | | |
| –3.0 m (–9') | *9850 (21600) | 6900 (15100) | | | *10850 (23900) | 7500 (16500) | *14000 (30700) | 10450 (22900) | *17550 (38600) | 16400 (36000) | *20600 (45400) | *20600 (45400) |
| –4.5 m (–14') | *9300 (20400) | 9100 (19900) | | | | | *10700 (23500) | 10500 (23100) | *13700 (30100) | *13700 (30100) | | |
| Arm length 2900 mm (9'6") | | | | | | | | | | | | |
| 7.5 m (24') | *8800 (19400) | 7200 (15800) | | | *9100 (19900) | 8950 (19700) | | | | | | |
| 6.0 m (19') | *8700 (19100) | 6000 (13100) | *8800 (19300) | 6250 (13700) | *9600 (21100) | 8750 (19200) | | | | | | |
| 4.5 m (14') | *8700 (19100) | 5300 (11700) | *9150 (20100) | 6150 (13400) | *10450 (23000) | 8400 (18500) | *12650 (27800) | 12100 (26600) | *16850 (37100) | *16850 (37100) | | |
| 3.0 m (9') | 8450 (18500) | 4950 (10900) | *9600 (21100) | 5900 (13000) | *11400 (25100) | 8000 (17600) | *14400 (31700) | 11300 (24800) | | | | |
| 1.5 m (4') | 8300 (18200) | 4850 (10600) | 9750 (21400) | 5700 (12500) | *12150 (26700) | 7600 (16700) | *15650 (34400) | 10600 (23300) | | | | |
| 0.0 m (0') | 8500 (18700) | 4950 (10800) | 9600 (21100) | 5550 (12200) | *12500 (27500) | 7350 (16100) | *16100 (35400) | 10200 (22500) | *20500 (45100) | 15750 (34600) | | |
| –1.5 m (–4') | 9200 (20100) | 5300 (11600) | 9550 (20900) | 5500 (12100) | *12250 (27000) | 7250 (15900) | *15700 (34600) | 10100 (22100) | *20650 (45500) | 15750 (34600) | *14800 (32600) | *14800 (32600) |
| –3.0 m (–9') | *9400 (20700) | 6100 (13400) | | | *11250 (24700) | 7300 (16000) | *14400 (31700) | 10150 (22300) | *18500 (40700) | 15950 (35100) | *22800 (50200) | *22800 (50200) |
| –4.5 m (–14') | *9200 (20200) | 7800 (17100) | | | | | *11900 (26200) | 10400 (22900) | *15150 (33300) | *15150 (33300) | *18700 (41100) | *18700 (41100) |
| –6.0 m (–19') | *7850 (17200) | *7850 (17200) | | | | | | | | | | |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC450-8, PC450-8R

Conditions:

Boom: 7060 mm (23'2"), Bucket (SAE): 1.90 m³ (2.49 cu.yd), Shoes: 600 mm (24") unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3380 mm (11'1") | | | | | | | | | | | | |
| 7.5 m (24') | *6000 (13200) | 5850 (12900) | | | | | | | | | | |
| 6.0 m (19') | *6000 (13200) | 4850 (10700) | 8750 (19300) | 5700 (12600) | *9600 (21200) | 8200 (18100) | | | | | | |
| 4.5 m (14') | *6200 (13600) | 4250 (9400) | 8550 (18900) | 5500 (12200) | *10600 (23300) | 7800 (17200) | *12800 (28200) | 11500 (25400) | | | | |
| 3.0 m (9') | 6350 (14000) | 3950 (8700) | 8300 (18300) | 5300 (11600) | 11400 (25100) | 7350 (16200) | *14950 (33000) | 10650 (23500) | *20900 (46100) | 16850 (37200) | | |
| 1.5 m (4') | 6200 (13700) | 3800 (8400) | 8000 (17700) | 5050 (11100) | 10900 (24000) | 6900 (15300) | 15850 (34900) | 9950 (21900) | *17650 (38900) | 15450 (34100) | | |
| 0.0 m (0') | 6350 (14000) | 3850 (8500) | 7800 (17200) | 4850 (10700) | 10550 (23300) | 6600 (14600) | 15300 (33700) | 9450 (20800) | *17800 (39200) | 14950 (32900) | | |
| –1.5 m (–4') | 6800 (15000) | 4150 (9200) | 7700 (17000) | 4750 (10500) | 10400 (22900) | 6450 (14200) | 15050 (33200) | 9250 (20400) | *22950 (50600) | 14950 (32900) | | |
| –3.0 m (–9') | 7750 (17100) | 4800 (10600) | 7750 (17100) | 4750 (10500) | 10400 (22900) | 6450 (14200) | 15100 (33300) | 9300 (20500) | *20950 (46200) | 15100 (33300) | *21700 (47800) | *21700 (47800) |
| –4.5 m (–14') | *9100 (20100) | 6050 (13400) | | | *10350 (22800) | 6600 (14600) | *13750 (30400) | 9500 (20900) | *17700 (39100) | 15450 (34100) | *22350 (49300) | *22350 (49300) |
| –6.0 m (–19') | *8050 (17700) | *8050 (17700) | | | | | *9450 (20800) | *9450 (20800) | *12600 (27700) | *12600 (27700) | | |

## PC450LC-8, PC450LC-8R

Conditions:

Boom: 7060 mm (23'2"), Bucket (SAE): 1.90 m³ (2.49 cu.yd), Shoes: 600 mm (24") unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3380 mm (11'1") | | | | | | | | | | | | |
| 7.5 m (24') | *6000 (13200) | 5950 (13200) | | | | | | | | | | |
| 6.0 m (19') | *6000 (13200) | 4950 (10900) | *8850 (19500) | 5800 (12800) | *9600 (21200) | 8350 (18400) | | | | | | |
| 4.5 m (14') | *6200 (13600) | 4350 (9600) | *9250 (20400) | 5650 (12400) | *10600 (23300) | 7950 (17500) | *12800 (28200) | 11700 (25800) | | | | |
| 3.0 m (9') | *6550 (14500) | 4000 (8900) | 9400 (20800) | 5400 (11900) | *11750 (25900) | 7500 (16500) | *14950 (33000) | 10850 (23900) | *20900 (46100) | 17150 (37800) | | |
| 1.5 m (4') | 7150 (15700) | 3900 (8600) | 9150 (20200) | 5150 (11300) | 12450 (27400) | 7050 (15500) | *16650 (36700) | 10100 (22300) | *17650 (38900) | 15750 (34700) | | |
| 0.0 m (0') | 7300 (16100) | 3950 (8700) | 8950 (19700) | 4950 (10900) | 12100 (26700) | 6750 (14900) | *17300 (38200) | 9650 (21200) | *17800 (39200) | 15200 (33500) | | |
| –1.5 m (–4') | 7800 (17200) | 4250 (9400) | 8850 (19500) | 4850 (10700) | 11900 (26300) | 6600 (14500) | *17100 (37700) | 9450 (20800) | *22950 (50600) | 15200 (33500) | | |
| –3.0 m (–9') | 8900 (19600) | 4900 (10800) | 8850 (19600) | 4900 (10800) | 11900 (26300) | 6550 (14500) | *16000 (35300) | 9450 (20900) | *20950 (46200) | 15400 (33900) | *21700 (47800) | *21700 (47800) |
| –4.5 m (–14') | *9100 (20100) | 6200 (13600) | | | *10350 (22800) | 6750 (14900) | *13750 (30400) | 9650 (21300) | *17700 (39100) | 15750 (34700) | *22350 (49300) | *22350 (49300) |
| –6.0 m (–19') | *8050 (17700) | *8050 (17700) | | | | | *9450 (20800) | *9450 (20800) | *12600 (27700) | *12600 (27700) | | |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.


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## PC450-7

Conditions:

Boom: 7060 mm (23'2"), Bucket (SAE): 1.90 m³ (2.49 cu.yd), Shoes: 600 mm (24") unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3380 mm (11'1") | | | | | | | | | | | | |
| 7.5 m (24') | *5550 (12100) | *5550 (12100) | *6600 (14500) | 5900 (12900) | | | | | | | | |
| 6.0 m (19') | *5550 (12100) | 4750 (10400) | *8800 (19300) | 5850 (12900) | *9600 (21100) | 8400 (18500) | | | | | | |
| 4.5 m (14') | *5750 (12600) | 4200 (9200) | 8750 (19300) | 5700 (12500) | *10650 (23400) | 8050 (17600) | *12800 (28100) | 11850 (26000) | | | | |
| 3.0 m (9') | *6100 (13400) | 3900 (8500) | 8500 (18700) | 5450 (12000) | 11700 (25700) | 7600 (16600) | *14800 (32600) | 10950 (24100) | *20800 (45800) | 17200 (37800) | | |
| 1.5 m (4') | 6200 (13600) | 3800 (8300) | 8250 (18100) | 5250 (11400) | 11200 (24600) | 7150 (15700) | 16150 (35500) | 10200 (22400) | *23400 (51500) | 15700 (34600) | | |
| 0.0 m (0') | 6350 (13900) | 3900 (8500) | 8050 (17700) | 5050 (11000) | 10850 (23800) | 6850 (15000) | 15600 (34300) | 9650 (21200) | *23050 (50700) | 15050 (33100) | | |
| –1.5 m (–4') | 6800 (14900) | 4200 (9100) | 7950 (17400) | 4950 (10800) | 10650 (23400) | 6650 (14600) | 15300 (33700) | 9450 (20700) | *23000 (50700) | 14900 (32800) | *15050 (33100) | *15050 (33100) |
| –3.0 m (–9') | 7700 (16900) | 4800 (10500) | 7950 (17500) | 4950 (10900) | 10650 (23400) | 6650 (14500) | 15300 (33700) | 9450 (20700) | *21050 (46400) | 15050 (33100) | *22200 (48800) | *22200 (48800) |
| –4.5 m (–14') | *8900 (19600) | 6000 (13100) | | | *10450 (23000) | 6800 (14900) | *13800 (30400) | 9650 (21200) | *17850 (39300) | 15450 (34000) | *23300 (51200) | *23300 (51200) |
| –6.0 m (–19') | *8000 (17600) | *8000 (17600) | | | | | *9350 (20500) | *9350 (20500) | *12650 (27900) | *12650 (27900) | | |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC490-10 (UK source)

Conditions:

One-piece boom: 7100 mm, Bucket (SAE): 2.2 $m^3$, Shoes: 700 mm unit: kg

| A / B | MAX | | 9.0 m | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2400 mm | | | | | | | | | | | | |
| 7.5 m | *13220 | 11430 | | | *13240 | 11620 | | | | | | |
| 6.0 m | 12840 | 9640 | | | *13540 | 11490 | *15500 | *15500 | | | | |
| 4.5 m | 11610 | 8710 | | | *14340 | 11190 | *17320 | 15260 | | | | |
| 3.0 m | 11020 | 8250 | 11370 | 8510 | 14710 | 10870 | *19000 | 14610 | | | | |
| 1.5 m | 10910 | 8150 | 11230 | 8380 | 14420 | 10600 | *19820 | 14180 | | | | |
| 0 m | 11260 | 8380 | | | 14260 | 10450 | *19590 | 14000 | | | | |
| –1.5 m | 12230 | 9060 | | | 14240 | 10430 | *18410 | 14000 | *22350 | 21400 | | |
| –3.0 m | *12360 | 10510 | | | *12480 | 10580 | *16080 | 14150 | *19360 | *19360 | *20430 | *20430 |
| –4.5 m | *10960 | *10960 | | | | | *11520 | *11520 | *14410 | *14410 | | |
| –6.0 m | | | | | | | | | | | | |
| Arm length 2900 mm | | | | | | | | | | | | |
| 7.5 m | *12150 | 10480 | | | *12310 | 11660 | | | | | | |
| 6.0 m | 11930 | 8950 | | | *12790 | 11470 | *14530 | *14530 | | | | |
| 4.5 m | 10840 | 8120 | 11450 | 8570 | *13680 | 11130 | *16380 | 15280 | | | | |
| 3.0 m | 10310 | 7690 | 11260 | 8390 | 14610 | 10760 | *18200 | 14550 | | | | |
| 1.5 m | 10190 | 7580 | 11080 | 8220 | 14270 | 10440 | *19330 | 14020 | | | | |
| 0 m | 10470 | 7760 | 10960 | 8110 | 14050 | 10240 | 19390 | 13750 | | | | |
| –1.5 m | 11270 | 8320 | | | 13980 | 10180 | *18630 | 13690 | *23440 | 20890 | | |
| –3.0 m | *12120 | 9500 | | | *13280 | 10270 | *16740 | 13800 | *20660 | *20660 | *24100 | *24100 |
| –4.5 m | *11370 | *11370 | | | | | *13180 | *13180 | *16280 | *16280 | | |
| –6.0 m | | | | | | | | | | | | |
| Arm length 3400 mm | | | | | | | | | | | | |
| 7.5 m | *9160 | *9160 | | | *11710 | *11710 | | | | | | |
| 6.0 m | *9060 | 8180 | *11420 | 8860 | *12310 | 11650 | | | | | | |
| 4.5 m | *9210 | 7510 | 11590 | 8700 | *13280 | 11310 | *15730 | 15560 | *20530 | *20530 | | |
| 3.0 m | 9560 | 7170 | 11370 | 8500 | *14340 | 10920 | *17720 | 14810 | *24590 | 22190 | | |
| 1.5 m | 9460 | 7070 | 11170 | 8310 | 14410 | 10570 | *19130 | 14220 | *17760 | *17760 | | |
| 0 m | 9690 | 7220 | 11020 | 8170 | 14150 | 10330 | 19530 | 13880 | *20720 | *20720 | | |
| –1.5 m | 10310 | 7660 | 10970 | 8120 | 14030 | 10230 | *19100 | 13750 | *24620 | 20930 | *15450 | *15450 |
| –3.0 m | *11410 | 8570 | | | *14020 | 10260 | *17580 | 13810 | *22140 | 21100 | *24050 | *24050 |
| –4.5 m | *10880 | 10410 | | | *11020 | 10490 | *14650 | 14040 | *18250 | *18250 | *22170 | *22170 |
| –6.0 m | | | | | | | | | | | | |
| Arm length 4000 mm | | | | | | | | | | | | |
| 7.5 m | *7890 | *7890 | *9970 | 9030 | | | | | | | | |
| 6.0 m | *7830 | 7520 | *10720 | 8940 | *11480 | *11480 | | | | | | |
| 4.5 m | *7960 | 6950 | *11240 | 8740 | *12520 | 11400 | *14620 | *14620 | | | | |
| 3.0 m | *8270 | 6640 | 11390 | 8500 | *13690 | 10970 | *16750 | 14970 | *22810 | 22670 | | |
| 1.5 m | 8770 | 6540 | 11140 | 8270 | 14410 | 10570 | *18460 | 14270 | *23800 | 21380 | | |
| 0 m | 8930 | 6650 | 10950 | 8090 | 14090 | 10270 | *19320 | 13820 | *22690 | 20810 | | |
| –1.5 m | 9430 | 7000 | 10840 | 7990 | 13910 | 10100 | *19230 | 13600 | *25360 | 20650 | *15150 | *15150 |
| –3.0 m | 10420 | 7700 | 10860 | 8010 | 13880 | 10070 | *18170 | 13580 | *23390 | 20750 | *21760 | *21760 |
| –4.5 m | *10710 | 9070 | | | *12490 | 10210 | *15910 | 13740 | *20120 | *20120 | *25940 | *25940 |
| –6.0 m | *9770 | *9770 | | | | | *11580 | *11580 | *14840 | *14840 | | |
| Arm length 4800 mm | | | | | | | | | | | | |
| 7.5 m | *6380 | *6380 | *9480 | 9200 | | | | | | | | |
| 6.0 m | *6310 | *6310 | *9820 | 9060 | | | | | | | | |
| 4.5 m | *6380 | 6200 | *10440 | 8830 | *11480 | *11480 | | | | | | |
| 3.0 m | *6580 | 5950 | *11170 | 8550 | *12760 | 11090 | *15370 | 15260 | *20330 | *20330 | | |
| 1.5 m | *6930 | 5860 | 11150 | 8270 | *13960 | 10620 | *17410 | 14430 | *23980 | 21790 | | |
| 0 m | *7460 | 5930 | 10900 | 8030 | 14070 | 10240 | *18740 | 13830 | *24610 | 20850 | *10120 | *10120 |
| –1.5 m | *8280 | 6180 | 10730 | 7880 | 13810 | 10000 | 19130 | 13490 | *25780 | 20450 | *13950 | *13950 |
| –3.0 m | 9050 | 6690 | 10670 | 7820 | 13690 | 9890 | *18660 | 13360 | *24560 | 20390 | *18840 | *18840 |
| –4.5 m | *9990 | 7630 | *10610 | 7900 | *13580 | 9930 | *17100 | 13430 | *22080 | 20570 | *25120 | *25120 |
| –6.0 m | *9580 | 9480 | | | *10700 | 10180 | *14070 | 13690 | *17970 | *17970 | *23550 | *23550 |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC490-10 (UK source)

Conditions:

Short boom: 6700 mm, Bucket (SAE): 2.2 m³, Shoes: 700 mm unit :kg (lb)

| A / B | MAX | | 7.0 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2400 mm | | | | | | | | | | |
| 6.0 m | *12850 | 10100 | *13600 | 11700 | *15200 | *15200 | | | | |
| 4.5 m | 12050 | 9050 | *14350 | 11450 | *17000 | 15700 | *22000 | *22000 | | |
| 3.0 m | 11400 | 8600 | 14950 | 11100 | *18900 | 15050 | | | | |
| 1.5 m | 11300 | 8450 | 14650 | 10800 | *20000 | 14550 | | | | |
| 0 m | 11650 | 8700 | 14450 | 10650 | *19950 | 14250 | | | | |
| –1.5 m | 12700 | 9400 | 14400 | 10600 | *19000 | 14200 | *23650 | 21750 | | |
| –3.0 m | *12850 | 10950 | *12650 | 10700 | *16650 | 14350 | *20400 | *20400 | *25850 | *25850 |
| –4.5 m | *11400 | *11400 | | | *11950 | *11950 | *15200 | *15200 | *19850 | *19850 |
| Arm length 2900 mm | | | | | | | | | | |
| 6.0 m | *12450 | 10000 | *12850 | 11700 | | | | | | |
| 4.5 m | 11950 | 8950 | *13650 | 11400 | *16100 | 15750 | *20300 | *20300 | | |
| 3.0 m | 11250 | 8450 | *14700 | 11050 | *18050 | 15050 | | | | |
| 1.5 m | 11100 | 8250 | 14550 | 10700 | *19500 | 14450 | | | | |
| 0 m | 11400 | 8450 | 14300 | 10450 | 19750 | 14050 | | | | |
| –1.5 m | 12350 | 9100 | 14200 | 10350 | *19150 | 13950 | *24600 | 21250 | | |
| –3.0 m | *13600 | 10600 | *13550 | 10400 | *17300 | 14050 | *21700 | *21350 | *25850 | *25850 |
| –4.5 m | *13100 | *13100 | | | *13700 | *13700 | *17150 | *17150 | *19850 | *19850 |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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# PC490LC-10 (USA source)

Conditions:

Boom: 7060 mm (23'2"), Bucketless, Shoes: 900 mm (35.5"), Lifting mode: ON unit: kg (lb)

| A / B | MAX | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2900 mm (9'6") | | | | | | | | | | | | |
| 7.6 m (25') | *12260 (27000) | 10420 (22900) | | | *12340 (27200) | 11120 (24500) | | | | | | |
| 6.1 m (20') | *12030 (26500) | 8850 (19500) | | | *12730 (28000) | 10970 (24100) | *14370 (31600) | *14370 (31600) | | | | |
| 4.6 m (15') | *11980 (26400) | 8000 (17600) | *12090 (26600) | 8220 (18100) | *13570 (29900) | 10670 (23500) | *16160 (35600) | 14570 (32100) | *21420 (47200) | *21420 (47200) | | |
| 3.0 m (10') | 11620 (25600) | 7580 (16700) | 12400 (27300) | 8070 (17700) | *14490 (31900) | 10320 (22700) | *17970 (39600) | 13900 (30600) | | | | |
| 1.5 m (5') | 11480 (25300) | 7460 (16400) | 12230 (26900) | 7910 (17400) | *15170 (33400) | 10030 (22100) | *19120 (42100) | 13390 (29500) | | | | |
| 0 m (0') | 11820 (26000) | 7630 (16800) | 12130 (26700) | 7820 (17200) | *15340 (33800) | 9840 (21600) | *19290 (42500) | 13130 (28900) | *21910 (48300) | 19630 (43200) | | |
| –1.5 m (–5') | *12350 (27200) | 8190 (18000) | | | *14770 (32500) | 9780 (21500) | *18470 (40700) | 13070 (28800) | *23340 (51400) | 19710 (43400) | | |
| –3.0 m (–10') | *12210 (26900) | 9370 (20600) | | | *13040 (28700) | 9870 (21700) | *16560 (36500) | 13180 (29000) | *20520 (45200) | 19940 (43900) | *24130 (53200) | *24130 (53200) |
| –4.6 m (–15') | *11420 (25100) | *11420 (25100) | | | | | *12850 (28300) | *12850 (28300) | *16040 (35300) | *16040 (35300) | | |
| Arm length 3380 mm (11'1") | | | | | | | | | | | | |
| 7.6 m (25') | *9200 (20200) | *9200 (20200) | | | *11720 (25800) | 11320 (24900) | | | | | | |
| 6.1 m (20') | *9070 (20000) | 8090 (17800) | *11430 (25200) | 8480 (18700) | *12230 (26900) | 11140 (24500) | | | | | | |
| 4.6 m (15') | *9210 (20300) | 7410 (16300) | *11770 (25900) | 8350 (18400) | *13160 (29000) | 10820 (23800) | *15510 (34200) | 14820 (32600) | *20080 (44200) | *20080 (44200) | | |
| 3.0 m (10') | *9580 (21100) | 7050 (15500) | *12260 (27000) | 8160 (18000) | *14190 (31300) | 10460 (23000) | *17470 (38500) | 14130 (31100) | *24120 (53100) | 20980 (46200) | | |
| 1.5 m (5') | *10240 (22500) | 6950 (15300) | 12310 (27100) | 7990 (17600) | *15020 (33100) | 10140 (22300) | *18900 (41600) | 13570 (29900) | *19210 (42300) | *19210 (42300) | | |
| 0 m (0') | 10910 (24000) | 7100 (15600) | 12170 (26800) | 7860 (17300) | *15390 (33900) | 9910 (21800) | *19390 (42700) | 13240 (29100) | *21790 (48000) | 19470 (43500) | | |
| –1.5 m (–5') | *11600 (25500) | 7540 (16600) | 12130 (26700) | 7820 (17200) | *15080 (33200) | 9810 (21600) | *18910 (41700) | 13120 (28900) | *24440 (53800) | 19730 (43400) | *15850 (34900) | *15850 (34900) |
| –3.0 m (–10') | *11490 (25300) | 8440 (18600) | | | *13810 (30400) | 9850 (21700) | *17380 (38300) | 13170 (29000) | *21950 (48300) | 19890 (43800) | *24660 (54300) | *24660 (54300) |
| –4.6 m (–15') | *10930 (24100) | 10320 (22700) | | | | | *14350 (31600) | 13400 (29500) | *17970 (39600) | *17970 (39600) | *21900 (48200) | *21900 (48200) |
| Arm length 4000mm (13'1") | | | | | | | | | | | | |
| 7.6 m (25') | *7890 (17400) | *7890 (17400) | *8750 (19200) | 8560 (18800) | | | | | | | | |
| 6.1 m (20') | *7810 (17200) | 7380 (16200) | *10650 (23400) | 8500 (18700) | *11350 (25000) | 11200 (24700) | | | | | | |
| 4.6 m (15') | *7930 (17400) | 6790 (14900) | *11120 (24500) | 8330 (18300) | *12350 (27200) | 10850 (23900) | *14350 (31600) | *14350 (31600) | | | | |
| 3.0 m (10') | *8230 (18100) | 6480 (14200) | *11710 (25800) | 8100 (17800) | *13480 (29700) | 10440 (23000) | *16440 (36200) | 14190 (31200) | *22280 (49100) | 21310 (46900) | | |
| 1.5 m (5') | *8760 (19300) | 6380 (14000) | 12220 (26900) | 7890 (17300) | *14470 (31900) | 10050 (22100) | *18140 (39900) | 13520 (29800) | *25090 (55300) | 20070 (44200) | | |
| 0 m (0') | *9590 (21100) | 6480 (14200) | 12030 (26500) | 7720 (17000) | *15050 (33100) | 9770 (21500) | *19010 (41900) | 13090 (28800) | *23770 (52400) | 19500 (43000) | | |
| –1.5 m (–5') | 10590 (23300) | 6830 (15000) | 11940 (26300) | 7630 (16800) | *15040 (33100) | 9610 (21200) | *18940 (41700) | 12880 (28400) | *25010 (55100) | 19350 (42600) | *15460 (34100) | *15460 (34100) |
| –3.0 m (–10') | *10930 (24100) | 7530 (16600) | *11220 (24700) | 7660 (16800) | 14220 (31300) | 9590 (21100) | *17870 (39400) | 12860 (28300) | *23050 (50800) | 19400 (42800) | *22240 (49000) | *22240 (49000) |
| –4.6 m (–15') | *10700 (23600) | 8920 (19600) | | | *12100 (26600) | 9740 (21400) | *15550 (34200) | 13030 (28700) | *19730 (43500) | *19730 (43500) | *25470 (56100) | *25470 (56100) |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC490LC-10 (USA source)

Conditions:

Boom: 7060 mm (23'2"), Bucketless, Shoes: 900 mm (35.5"), Lifting mode: ON unit: kg (lb)

| A / B | MAX | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 4800mm (15'9") | | | | | | | | | | | | |
| 7.6 m (25') | *6360 (14000) | *6360 (14000) | *9450 (20800) | 8730 (19200) | | | | | | | | |
| 6.1 m (20') | *6290 (13800) | *6290 (13800) | *9740 (21400) | 8610 (18900) | | | | | | | | |
| 4.6 m (15') | *6350 (14000) | 6060 (13300) | *10320 (22700) | 8400 (18500) | *11310 (24900) | 10990 (24200) | | | | | | |
| 3.0 m (10') | *6550 (14400) | 5800 (12700) | *11030 (24300) | 8130 (17900) | *12560 (27700) | 10540 (23200) | *15080 (33200) | 14450 (31800) | *19860 (43700) | *19860 (43700) | | |
| 1.5 m (5') | *6890 (15200) | 5710 (12500) | *11710 (25800) | 7870 (17300) | *13740 (30300) | 10090 (22200) | *17100 (37700) | 13670 (30100) | *23510 (51800) | 20450 (45000) | | |
| 0 m (0') | *7430 (16300) | 5770 (12700) | 11980 (26400) | 7650 (16800) | *14590 (32100) | 9730 (21400) | *18430 (40600) | 13090 (28800) | *25290 (55700) | 19540 (43000) | *10360 (22800) | *10360 (22800) |
| –1.5 m (–5') | *8260 (18200) | 6020 (13200) | 11810 (26000) | 7500 (16500) | *14920 (32900) | 9500 (20900) | *18860 (41500) | 12760 (28100) | *25390 (55900) | 19150 (42200) | *14230 (31300) | *14230 (31300) |
| –3.0 m (–10') | *9580 (21100) | 6530 (14400) | 11760 (25900) | 7450 (16400) | *14570 (32100) | 9400 (20700) | *18350 (40400) | 12640 (27800) | *24180 (53300) | 19100 (42100) | *19240 (42400) | *19240 (42400) |
| –4.6 m (–15') | *9990 (22000) | 7480 (16400) | *10180 (22400) | 7560 (16600) | *13260 (29200) | 9450 (20800) | *16760 (36900) | 12710 (28000) | *21670 (47700) | 19280 (42500) | *25760 (56700) | *25760 (56700) |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC490LC-10 (UK source)

Conditions: Boom: 7100 mm, Bucket (SAE): 2.2 m³, Shoes: 600 mm unit: kg

| A / B | MAX | | 9.0 m | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2400 mm | | | | | | | | | | | | |
| 7.5 m | *13220 | 11610 | | | *13240 | 11800 | | | | | | |
| 6.0 m | *12870 | 9800 | | | *13540 | 11670 | *15500 | *15500 | | | | |
| 4.5 m | *12750 | 8860 | | | *14340 | 11370 | *17320 | 15500 | | | | |
| 3.0 m | 12270 | 8390 | 12660 | 8650 | *15190 | 11050 | *19000 | 14850 | | | | |
| 1.5 m | 12150 | 8290 | 12520 | 8520 | *15720 | 10780 | *19820 | 14430 | | | | |
| 0 m | 12560 | 8530 | | | *15670 | 10630 | *19590 | 14240 | | | | |
| –1.5 m | *12760 | 9220 | | | *14800 | 10610 | *18410 | 14240 | *22350 | 21770 | | |
| –3.0 m | *12360 | 10690 | | | *12480 | 10760 | *16080 | 14400 | *19360 | *19360 | *20430 | *20430 |
| –4.5 m | *10960 | *10960 | | | | | *11520 | *11520 | *14410 | *14410 | | |
| –6.0 m | | | | | | | | | | | | |
| Arm length 2900 mm | | | | | | | | | | | | |
| 7.5 m | *12150 | 10650 | | | *12310 | 11840 | | | | | | |
| 6.0 m | *11930 | 9100 | | | *12790 | 11650 | *14530 | *14530 | | | | |
| 4.5 m | *11890 | 8260 | *12130 | 8710 | *13680 | 11310 | *16380 | 15520 | | | | |
| 3.0 m | 11480 | 7830 | *12530 | 8530 | *14630 | 10940 | *18200 | 14790 | | | | |
| 1.5 m | 11360 | 7710 | 12370 | 8360 | *15310 | 10620 | *19330 | 14260 | | | | |
| 0 m | 11690 | 7900 | 12250 | 8250 | *15480 | 10420 | *19460 | 13990 | | | | |
| –1.5 m | *12250 | 8470 | | | *14920 | 10360 | *18630 | 13930 | *23440 | *21260 | | |
| –3.0 m | *12120 | 9670 | | | *13280 | 10450 | *16740 | 14040 | *20660 | *20660 | *24100 | *24100 |
| –4.5 m | *11370 | *11370 | | | | | *13180 | *13180 | *16280 | *16280 | | |
| –6.0 m | | | | | | | | | | | | |
| Arm length 3400 mm | | | | | | | | | | | | |
| 7.5 m | *9160 | *9160 | | | *11710 | *11710 | | | | | | |
| 6.0 m | *9060 | 8320 | *11420 | 9000 | *12310 | 11830 | | | | | | |
| 4.5 m | *9210 | 7640 | *11820 | 8850 | *13280 | 11490 | *15730 | *15730 | *20530 | *20530 | | |
| 3.0 m | *9590 | 7290 | *12340 | 8640 | *14340 | 11100 | *17720 | 15060 | *24590 | 22560 | | |
| 1.5 m | *10240 | 7200 | 12460 | 8450 | *15180 | 10750 | *19130 | 14470 | *17760 | *17760 | | |
| 0 m | 10790 | 7350 | 12310 | 8310 | *15540 | 10520 | *19600 | 14120 | *20720 | *20720 | | |
| –1.5 m | 11510 | 7800 | 12250 | 8260 | *15240 | 10410 | *19100 | 14000 | *24620 | 21290 | *15450 | *15450 |
| –3.0 m | *11410 | 8720 | | | *14020 | 10440 | *17580 | 14050 | *22140 | 21470 | *24050 | *24050 |
| –4.5 m | *10880 | 10590 | | | *11020 | 10670 | *14650 | 14280 | *18250 | *18250 | *22170 | *22170 |
| –6.0 m | | | | | | | | | | | | |
| Arm length 4000 mm | | | | | | | | | | | | |
| 7.5 m | *7890 | *7890 | *9970 | 9170 | | | | | | | | |
| 6.0 m | *7830 | 7650 | *10720 | 9080 | *11480 | *11480 | | | | | | |
| 4.5 m | *7960 | 7070 | *11240 | 8890 | *12520 | 11580 | *14620 | *14620 | | | | |
| 3.0 m | *8270 | 6760 | *11860 | 8650 | *13690 | 11150 | *16750 | 15210 | *22810 | *22810 | | |
| 1.5 m | *8800 | 6660 | *12410 | 8420 | *14690 | 10750 | *18460 | 14510 | *23800 | 21750 | | |
| 0 m | *9620 | 6770 | 12240 | 8240 | *15290 | 10450 | *19320 | 14060 | *22690 | 21170 | | |
| –1.5 m | 10520 | 7120 | 12130 | 8140 | *15280 | 10280 | *19230 | 13840 | *25360 | 21020 | *15150 | *15150 |
| –3.0 m | *10930 | 7840 | *11560 | 8160 | *14500 | 10260 | *18170 | 13830 | *23390 | 21110 | *21760 | *21760 |
| –4.5 m | *10710 | 9230 | | | *12490 | 10390 | *15910 | 13980 | *20120 | *20120 | *25940 | *25940 |
| –6.0 m | *9770 | *9770 | | | | | *11580 | *11580 | *14840 | *14840 | | |
| Arm length 4800 mm | | | | | | | | | | | | |
| 7.5 m | *6380 | *6380 | *9480 | 9340 | | | | | | | | |
| 6.0 m | *6310 | *6310 | *9820 | 9200 | | | | | | | | |
| 4.5 m | *6380 | 6310 | *10440 | 8970 | *11480 | *11480 | | | | | | |
| 3.0 m | *6580 | 6060 | *11170 | 8690 | *12760 | 11270 | *15370 | *15370 | *20330 | *20330 | | |
| 1.5 m | *6930 | 5970 | *11870 | 8410 | *13960 | 10800 | *17410 | 14680 | *23980 | 22160 | | |
| 0 m | *7460 | 6040 | 12190 | 8180 | *14820 | 10420 | *18740 | 14070 | *24610 | 21220 | *10120 | *10120 |
| –1.5 m | *8280 | 6300 | 12020 | 8020 | *15160 | 10180 | *19160 | 13730 | *25780 | 20820 | *13950 | *13950 |
| –3.0 m | *9570 | 6810 | 11960 | 7960 | *14830 | 10070 | *18660 | 13600 | *24560 | 20760 | *18840 | *18840 |
| –4.5 m | *9990 | 7770 | *10610 | 8050 | *13580 | 10120 | *17100 | 13670 | *22080 | 20940 | *25120 | *25120 |
| –6.0 m | *9580 | *9580 | | | *10700 | 10360 | *14070 | 13930 | *17970 | *17970 | *23550 | *23550 |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC490LC-10 (UK source)

Conditions: Short boom: 6700 mm, Bucket (SAE): 2.2 m³, Shoes: 600 mm unit :kg (lb)

| A / B | MAX | | 7.0 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2400 mm | | | | | | | | | | |
| 6.0 m | *12850 | 10250 | *13600 | 11850 | *15200 | *15200 | | | | |
| 4.5 m | *13100 | 9200 | *14350 | 11600 | *17000 | 15900 | *22000 | *22000 | | |
| 3.0 m | 12700 | 8700 | *15300 | 11300 | *18900 | 15300 | | | | |
| 1.5 m | 12600 | 8600 | *15850 | 11000 | *20000 | 14800 | | | | |
| 0 m | 13000 | 8850 | *15900 | 10800 | *20000 | 14500 | | | | |
| –1.5 m | *13200 | 9600 | *15100 | 10750 | *19000 | 14450 | *23650 | *22100 | | |
| –3.0 m | *12850 | 11150 | *12650 | 10900 | *16650 | 14600 | *20400 | *20400 | *21950 | *21950 |
| –4.5 m | *11400 | *11400 | | | *11950 | *11950 | *15200 | *15200 | | |
| Arm length 2900 mm | | | | | | | | | | |
| 6.0 m | *12450 | 10150 | *12850 | 11900 | | | | | | |
| 4.5 m | *12450 | 9100 | *13650 | 11600 | *16100 | 16000 | *20300 | *20300 | | |
| 3.0 m | 12550 | 8550 | *14700 | 11200 | *18050 | 15250 | | | | |
| 1.5 m | 12350 | 8400 | *15450 | 10900 | *19500 | 14700 | | | | |
| 0 m | 12750 | 8600 | *15700 | 10650 | *19800 | 14300 | | | | |
| –1.5 m | *13450 | 9300 | *15200 | 10550 | *19150 | 14200 | *24600 | 21650 | | |
| –3.0 m | *13600 | 10750 | *13550 | 10600 | *17300 | 14250 | *21700 | *21700 | *25850 | *25850 |
| –4.5 m | *13100 | *13100 | | | *13700 | *13700 | *17150 | *17150 | *19850 | *19850 |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC550LC-8

Conditions:

Boom: 6670 mm (21'11"), Bucket: 3.5 $m^3$, Shoes: 750 mm (29.5") unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2400 mm (7'10") | | | | | | | | | | | | |
| 7.5 m (24') | *6000 (13200) | 5950 (13200) | | | | | | | | | | |
| 6.0 m (19') | *6000 (13200) | 4950 (10900) | *8850 (19500) | 5800 (12800) | *9600 (21200) | 8350 (18400) | | | | | | |
| 4.5 m (14') | *6200 (13600) | 4350 (9600) | *9250 (20400) | 5650 (12400) | *10600 (23300) | 7950 (17500) | *12800 (28200) | 11700 (25800) | | | | |
| 3.0 m (9') | *6550 (14500) | 4000 (8900) | 9400 (20800) | 5400 (11900) | *11750 (25900) | 7500 (16500) | *14950 (33000) | 13900 (23900) | *20900 (46100) | 17150 (37800) | | |
| 1.5 m (4') | 7150 (15700) | 3900 (8600) | 9150 (20200) | 5150 (11300) | 12450 (27400) | 7050 (15500) | *16650 (36700) | 10100 (22300) | *17650 (38900) | 15750 (34700) | | |
| 0.0 m (0') | 7300 (16100) | 7630 (8700) | 8950 (19700) | 4950 (10900) | 12100 (26700) | 6750 (14900) | *17300 (38200) | 9650 (21200) | *17800 (39200) | 15200 (33500) | | |
| –1.5 m (–4') | 7800 (17200) | 4250 (9400) | 8850 (19500) | 4850 (10700) | 11900 (26300) | 6600 (14500) | *17100 (37700) | 9450 (20800) | *22950 (50600) | 15200 (33500) | | |
| –3.0 m (–9') | 8900 (19600) | 4900 (10800) | 8850 (19600) | 4900 (10800) | 11900 (26300) | 6550 (14500) | *16000 (35300) | 9450 (20900) | *20950 (46200) | 15400 (33900) | *21700 (47800) | *21700 (47800) |
| –4.5 m (–14') | *9100 (20100) | *6200 (13600) | | | *10350 (22800) | 6750 (14900) | *13750 (30400) | 9650 (21300) | *17700 (39100) | 15750 (34700) | *22350 (49300) | *22350 (49300) |
| –6.0 m (–19') | *8050 (17700) | *8050 (17700) | | | | | *9450 (20800) | *9450 (20800) | *12600 (27700) | *12600 (27700) | | |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC600-8E0, PC600-8R1

Conditions: Boom: 7660 mm (25'2"), Bucket (SAE): 2.70 m³ (3.53 cu.yd), Shoes: 600 mm (24")
(Lifting mode: OFF) unit: kg (lb)

| A / B | MAX | | 9.1 m (29') | | 7.6 m (24') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3500 mm (11'6") | | | | | | | | | | | | |
| 9.1 m (29') | *6950 (15300) | *6950 (15300) | | | | | | | | | | |
| 6.1 m (20') | *6850 (15100) | *6850 (15100) | *9700 (21400) | *9700 (21400) | *10800 (23800) | *10800 (23800) | | | | | | |
| 3.0 m (9') | *7600 (16700) | 6050 (13400) | *11250 (24800) | 8950 (19800) | *13600 (30000) | 12250 (27000) | *17850 (39300) | 17400 (38400) | | | | |
| 0 m (0') | 8100 (17900) | 6000 (13300) | 11050 (24400) | 8300 (18300) | 14850 (32800) | 11150 (24600) | *20200 (44500) | 15850 (34900) | *16850 (37100) | *16850 (37100) | | |
| –3.0 m (–9') | 9700 (21400) | 7200 (15900) | 10850 (24000) | 8100 (17900) | 14550 (32100) | 10850 (23900) | *18950 (41700) | 15600 (34400) | *24500 (54000) | *24500 (54000) | *14350 (31600) | *14350 (31600) |
| –6.1 m (–20') | *9500 (21000) | *9500 (21000) | | | *8550 (18800) | *8550 (18800) | *12800 (28200) | *12800 (28200) | *16300 (35900) | *16300 (35900) | | |

(Lifting mode: ON) unit: kg (lb)

| A / B | MAX | | 9.1 m (29') | | 7.6 m (24') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3500 mm (11'6") | | | | | | | | | | | | |
| 9.1 m (29') | *8550 (18900) | *8550 (18900) | | | | | | | | | | |
| 6.1 m (20') | *8450 (18600) | 7200 (15900) | *12250 (27000) | 9800 (21600) | *13500 (29700) | *13500 (29700) | | | | | | |
| 3.0 m (9') | 8100 (17900) | 6050 (13400) | 11750 (26000) | 8950 (19800) | *16000 (35300) | 12250 (27000) | *22100 (48700) | 17550 (38700) | | | | |
| 0 m (0') | 8100 (17900) | 6000 (13300) | 11050 (24400) | 8300 (18300) | 14850 (32800) | 11150 (24600) | 21350 (47100) | 15850 (34900) | *20150 (44400) | *20150 (44400) | | |
| –3.0 m (–9') | 9700 (21400) | 7200 (15900) | 10850 (24000) | 8100 (17900) | 14550 (32100) | 10850 (23900) | 21150 (46600) | 15600 (34400) | *30400 (67100) | 25750 (56800) | *17400 (38300) | *17400 (38300) |
| –6.1 m (–20') | *12350 (27300) | *12350 (27300) | | | *11150 (24600) | *11150 (24600) | *16350 (36000) | *16350 (36000) | *20650 (45600) | *20650 (45600) | | |

Conditions: Boom: 7300 mm (23'11"), Bucket (SAE): 2.80 m³ (3.66 cu.yd), Shoes: 600 mm (24")
(Lifting mode: OFF) unit: kg (lb)

| A / B | MAX | | 9.1 m (29') | | 7.6 m (24') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3500 mm (11'6") | | | | | | | | | | | | |
| 9.1 m (29') | *6500 (14300) | *6500 (14300) | | | | | | | | | | |
| 6.1 m (20') | *6350 (14000) | *6350 (14000) | *9550 (21000) | 9400 (20800) | *10500 (23200) | *10500 (23200) | | | | | | |
| 3.0 m (9') | *7200 (15800) | 6150 (13600) | *11000 (24200) | 8650 (19100) | *13300 (29300) | 12050 (26500) | *17350 (38200) | *17350 (38200) | *24100 (53200) | *24100 (53200) | | |
| 0 m (0') | 8400 (18500) | 6150 (13600) | 10800 (23800) | 8000 (17700) | 14700 (32400) | 11000 (24200) | *20000 (44100) | 15850 (34900) | *14600 (32100) | *14600 (32100) | | |
| –3.0 m (–9') | 10250 (22600) | 7600 (16700) | 10650 (23500) | 7900 (17400) | *14400 (31700) | 10700 (23500) | *18750 (41300) | 15550 (34200) | *24750 (54500) | *24750 (54500) | *19650 (43300) | *19650 (43300) |
| –6.1 m (–20') | *9500 (20900) | *9500 (20900) | | | | | *11450 (25200) | *11450 (25200) | *15250 (33700) | *15250 (33700) | | |

(Lifting mode: ON) unit: kg (lb)

| A / B | MAX | | 9.1 m (29') | | 7.6 m (24') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3500 mm (11'6") | | | | | | | | | | | | |
| 9.1 m (29') | *8150 (17900) | *8150 (17900) | | | | | | | | | | |
| 6.1 m (20') | *7950 (17600) | *7450 (16500) | *12150 (26800) | 9400 (20800) | *13200 (29100) | *13200 (29100) | | | | | | |
| 3.0 m (9') | 8350 (18400) | 6150 (13600) | 11450 (25300) | 8650 (19100) | 15850 (34900) | 12050 (26500) | *21550 (47500) | *17600 (38800) | *26500 (58400) | *26500 (58400) | | |
| 0 m (0') | 8400 (18500) | 6150 (13600) | 10800 (23800) | 8000 (17700) | 14700 (32400) | 11000 (24200) | *21400 (47200) | 15850 (34900) | *17800 (39300) | *17800 (39300) | | |
| –3.0 m (–9') | 10250 (22600) | 7600 (16700) | 10650 (23500) | 7900 (17400) | 14400 (31700) | 10700 (23500) | 21050 (46500) | 15550 (34200) | *30700 (67700) | 25800 (56900) | *23750 (52400) | *23750 (52400) |
| –6.1 m (–20') | *12450 (27400) | *12450 (27400) | | | | | *14750 (32600) | *14750 (32600) | *19500 (43000) | *19500 (43000) | | |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC600-8E0, PC600-8R1

Cnditions: Boom: 6600 mm (21'8"), Bucket (SAE): 3.50 m³ (4.58 cu.yd), Shoes: 600 mm (24")
(Lifting mode: OFF) unit: kg (lb)

| A / B | MAX | | 9.1 m (29') | | 7.6 m (24') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2900 mm (9'6") | | | | | | | | | | | | |
| 9.1 m (29') | *9650 (21300) | *9650 (21300) | | | | | | | | | | |
| 6.1 m (20') | *8950 (19700) | *8950 (19700) | | | *11750 (25900) | *11750 (25900) | | | | | | |
| 3.0 m (9') | *9800 (21600) | 7600 (16700) | 11500 (25300) | 8650 (19100) | *14000 (30900) | 12100 (26600) | *17950 (39600) | 17650 (38900) | *24650 (54300) | *24650 (54300) | | |
| 0 m (0') | 10300 (22700) | 7650 (16900) | 10900 (24100) | 8100 (17900) | 14850 (32800) | 11100 (24500) | *20250 (44600) | 16100 (35500) | *26150 (57700) | 25000 (55100) | *24700 (54500) | *24700 (54500) |
| –3.0 m (–9') | *11500 (25400) | 9950 (22000) | | | *13250 (29200) | 11000 (24300) | *17950 (39600) | 15950 (35100) | *23750 (52400) | *23750 (52400) | | |

(Lifting mode: ON) unit: kg (lb)

| A / B | MAX | | 9.1 m (29') | | 7.6 m (24') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2900 mm (9'6") | | | | | | | | | | | | |
| 9.1 m (29') | *11800 (26000) | *11800 (26000) | | | | | | | | | | |
| 6.1 m (20') | *10950 (24200) | 9400 (20700) | | | *14700 (32400) | 13300 (29300) | | | | | | |
| 3.0 m (9') | 10150 (22300) | 7600 (16700) | 11500 (25300) | 8650 (19100) | 15900 (35100) | 12100 (26600) | *22250 (49000) | 17750 (39200) | *30350 (66900) | 28050 (61800) | | |
| 0 m (0') | 10300 (22700) | 7650 (16900) | 10900 (24100) | 8100 (17900) | 14850 (32800) | 11100 (24500) | 21700 (47900) | 16100 (35500) | *26150 (57700) | 25000 (55100) | | |
| –3.0 m (–9') | 13350 (29400) | 9950 (22000) | | | 14750 (32500) | 11000 (24300) | 21550 (47500) | 15950 (35100) | *29500 (65100) | 26450 (58300) | *31000 (68400) | *31000 (68400) |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC600-8 (UK source)

Conditions: Boom: 7300 mm, Bucket :3100 kg, Shoes: 600 mm
(Lifting mode: OFF) unit: kg

| A / B | MAX | | 9.1 m | | 7.6 m | | 6.1 m | | 4.6 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3500 mm | | | | | | | | | | | | |
| 9.1 m | *6500 | *6500 | | | | | | | | | | |
| 6.1 m | *6350 | *6350 | *9650 | 9300 | *10700 | *10700 | | | | | | |
| 3.0 m | *7150 | 6200 | *11000 | 8600 | *13200 | 11950 | *16900 | *16900 | *24200 | *24200 | | |
| 0 m | 8400 | 6150 | 10700 | 7950 | 14500 | 10750 | *19600 | 15400 | *21300 | *21300 | | |
| –3.0 m | 10300 | 7600 | 10550 | 7850 | *14100 | 10500 | *18250 | 15150 | *24150 | *24150 | *21900 | *21900 |
| –6.1 m | *9500 | *9500 | | | | | *10800 | *10800 | *14500 | *14500 | | |

(Lifting mode: ON) unit: kg

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9.1 m | *8150 | *8150 | | | | | | | | | | |
| 6.1 m | *7950 | 7450 | 12150 | 9300 | *13450 | 13350 | | | | | | |
| 3.0 m | 8350 | 6200 | 11400 | 8600 | 15700 | 11950 | *21000 | 17400 | *29850 | 27900 | | |
| 0 m | 8400 | 6150 | 10700 | 7950 | 14500 | 10950 | 20950 | 15400 | *25450 | 24800 | | |
| –3.0 m | 10300 | 7600 | 10550 | 7850 | 14200 | 10500 | 20650 | 15150 | *30200 | 24900 | *26150 | *26150 |
| –6.1 m | *12450 | *12450 | | | | | *14050 | *14050 | *18650 | *18650 | | |

Cnditions: Boom: 6600 mm, Bucket: 3200 kg, Shoes: 600 mm
(Lifting mode: OFF) unit: kg

| A / B | MAX | | 9.1 m | | 7.6 m | | 6.1 m | | 4.6 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2900 mm | | | | | | | | | | | | |
| 9.1 m | *9700 | *9700 | | | | | | | | | | |
| 6.1 m | *8950 | *8950 | | | *11950 | *11950 | | | | | | |
| 3.0 m | *9800 | 7600 | 11400 | 8600 | *14000 | 12000 | *17650 | 17600 | *24700 | *24700 | | |
| 0 m | 10300 | 7650 | 10850 | 8050 | 14700 | 10950 | *19900 | 15700 | *27600 | 25250 | | |
| –3.0 m | *11500 | 10050 | | | *12850 | 10900 | *16800 | 14950 | *22950 | *22950 | *30500 | *30500 |
| –4.6 m | *10650 | *10650 | | | | | *12900 | *12900 | *17500 | *17500 | *22300 | *22300 |

(Lifting mode: ON) unit: kg

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9.1 m | *11850 | *11850 | | | | | | | | | | |
| 6.1 m | *10950 | 9400 | | | *14950 | 13200 | | | | | | |
| 3.0 m | 10150 | 7600 | 11400 | 8600 | 15800 | 12000 | *21850 | 17600 | *30400 | 28400 | | |
| 0 m | 10300 | 7650 | 10850 | 8050 | 14700 | 10950 | 21300 | 15700 | *34200 | 25250 | | |
| –3.0 m | 13450 | 10050 | | | 14650 | 10900 | 20450 | 14950 | *28700 | 25500 | *36700 | *36700 |
| –4.6 m | *13800 | 13750 | | | | | *16550 | 16150 | *22200 | *22200 | *28350 | *28350 |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC600-7

Conditions: Boom: 7660 mm (25'2"), Bucket (SAE): 2.70 m³ (3.53 cu.yd), Shoes: 600 mm (24")
(Heavy-lifting: "OFF") unit: kg (lb)

| A / B | MAX | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3500 mm (11'6") | | | | | | | | | | | | |
| 9.1 m (30') | *8000 (17600) | *8000 (17600) | | | | | | | | | | |
| 6.1 m (20') | *7900 (17400) | 7250 (16000) | *10150 (22400) | 8950 (19700) | *11450 (25300) | *11450 (25300) | | | | | | |
| 3.0 m (10') | 8150 (18000) | 6050 (13300) | 11000 (24200) | 8300 (18300) | *14000 (30800) | 11400 (25100) | *18200 (40100) | 16350 (86100) | | | | |
| 0 m (0') | 8200 (18100) | 6050 (18300) | 10350 (22900) | 7700 (17000) | 13500 (29800) | 9950 (21900) | *20100 (44300) | 14800 (32700) | *14500 (32000) | *14500 (32000) | | |
| –3.0 m (–10') | 10150 (22400) | 7550 (16600) | 10350 (22800) | 7650 (16900) | 13500 (29800) | 9950 (22000) | *18100 (39900) | 14800 (32600) | *23150 (51000) | *23150 (51000) | *20950 (46200) | *20950 (46200) |
| –6.1 m (–20') | *9250 (20500) | *9250 (20500) | | | | | *10400 (22900) | *10400 (22900) | *13550 (29800) | *13550 (29800) | | |

(Heavy-lifting: "ON") unit: kg (lb)

| A / B | MAX | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3500 mm (11'6") | | | | | | | | | | | | |
| 9.1 m (30') | *8850 (19500) | *8850 (19500) | | | | | | | | | | |
| 6.1 m (20') | *8750 (19300) | 7250 (16000) | *11350 (25100) | 8950 (19700) | *12750 (28100) | 12700 (28000) | | | | | | |
| 3.0 m (10') | 8150 (18000) | 6050 (13300) | 11000 (24200) | 8300 (18300) | 15050 (33200) | 11400 (25100) | *20150 (44500) | 16350 (86100) | | | | |
| 0 m (0') | 8200 (18100) | 6050 (13300) | 10350 (22900) | 7700 (17000) | 13500 (29800) | 9950 (21900) | 20200 (44500) | 14800 (32700) | *15900 (35000) | *15900 (35000) | | |
| –3.0 m (–10') | 10150 (22400) | 7550 (16600) | 10350 (22800) | 7650 (16900) | 13500 (29800) | 9950 (22000) | 20150 (44400) | 14800 (32600) | *25750 (56800) | 24400 (53800) | *22800 (50300) | *22800 (50300) |
| –6.1 m (–20') | *10550 (23300) | *10550 (23300) | | | | | *11800 (26000) | *11800 (26000) | *15300 (83700) | *15300 (33700) | | |

Conditions: Boom: 7300 mm (23'11"), Bucket (SAE): 2.80 m³ (3.66 cu.yd), Shoes: 600 mm (24")
(Heavy-lifting: "OFF") unit: kg (lb)

| A / B | MAX | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3500 mm (11'6") | | | | | | | | | | | | |
| 9.1 m (30') | *7550 (16600) | *7550 (16600) | | | *8400 (18500) | *8400 (18500) | | | | | | |
| 6.1 m (20') | *7450 (16400) | *7450 (16400) | *10100 (22300) | 8650 (19100) | *11300 (24900) | *11300 (24900) | | | | | | |
| 3.0 m (10') | *8550 (18800) | 6300 (18900) | 10850 (24000) | 8150 (17900) | *13800 (30400) | 11400 (25100) | *17200 (38000) | 15900 (35100) | *23350 (51500) | *23350 (51500) | | |
| 0 m (0') | 8700 (19200) | 6350 (14000) | 10300 (22700) | 7600 (16800) | 14100 (31000) | 10450 (23000) | *20000 (44100) | 15050 (33200) | *19500 (43000) | *19500 (43000) | | |
| –3.0 m (–10') | *10900 (24000) | 8150 (18000) | | | *13750 (30300) | 10300 (22700) | *17900 (39500) | 14950 (38000) | *23300 (51300) | *23300 (51800) | *23850 (52500) | *23850 (52500) |

(Heavy-lifting: "ON") unit: kg (lb)

| A / B | MAX | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3500 mm (11'6") | | | | | | | | | | | | |
| 9.1 m (30') | *8400 (18500) | *8400 (18500) | | | *9300 (20500) | *9300 (20500) | | | | | | |
| 6.1 m (20') | *8300 (18300) | 7700 (17000) | *11350 (25000) | 8650 (19100) | *12600 (27800) | 12600 (27700) | | | | | | |
| 3.0 m (10') | 8600 (18900) | 6300 (13900) | 10850 (24000) | 8150 (17900) | 15100 (83300) | 11400 (25100) | *19150 (42300) | 15900 (35100) | *25450 (56100) | *25450 (56100) | | |
| 0 m (0') | 8700 (19200) | 6350 (14000) | 10300 (22700) | 7600 (16800) | 14100 (31000) | 10450 (23000) | 20500 (45200) | 15050 (33200) | *21300 (46900) | *21300 (46900) | | |
| –3.0 m (–10') | 11050 (24400) | 8150 (18000) | | | 13950 (30700) | 10300 (22700) | *19950 (44000) | 14950 (33000) | *25900 (57100) | 24800 (54600) | *25950 (57200) | *25950 (57200) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC600-7

Conditions: Boom: 6600 mm (21'8"), Bucket (SAE): 3.5 $m^3$ (4.58 cu.yd), Shoes: 600 mm (24")
(Heavy-lifting: "OFF") unit: kg (lb)

| A / B | MAX | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2900 mm (9'6") | | | | | | | | | | | | |
| 9.1 m (30') | *8750 (19300) | *8750 (19300) | | | | | | | | | | |
| 6.1 m (20') | *8300 (18300) | *8300 (18300) | | | *11700 (25800) | *11700 (25800) | | | | | | |
| 3.0 m (10') | 9300 (20500) | 7050 (15600) | 10850 (24000) | 8150 (17900) | *13950 (30800) | 11550 (25500) | *17650 (38900) | 17100 (37700) | *24700 (54500) | *24700 (54500) | | |
| 0 m (0') | 9650 (21300) | 7100 (15700) | 10350 (22800) | 7650 (16800) | 14150 (31200) | 10550 (23200) | *19000 (41900) | 13900 (30600) | *28100 (61900) | *24650 (54400) | | |
| –3.0 m (–10') | 11650 (25700) | 9350 (20700) | | | *13200 (29200) | 10400 (23000) | *16800 (37100) | 13850 (30600) | *23750 (52300) | *23750 (52300) | *29900 (65900) | *29900 (65900) |

(Heavy-lifting: "ON") unit: kg (lb)

| A / B | MAX | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2900 mm (9'6") | | | | | | | | | | | | |
| 9.1 m (30') | *9700 (21400) | *9700 (21400) | | | | | | | | | | |
| 6.1 m (20') | *9200 (20200) | 8750 (19300) | | | *13050 (28800) | 12600 (27800) | | | | | | |
| 3.0 m (10') | 9500 (21000) | 7050 (15600) | 10850 (24000) | 8150 (17900) | 15250 (33600) | 11550 (25500) | *19550 (43100) | *17100 (37700) | 27250 (60100) | *27250 (60100) | | |
| 0 m (0') | 9650 (21300) | 7100 (15700) | 10350 (22800) | 7650 (16800) | 14150 (31200) | 10550 (23200) | 19200 (42400) | *13900 (30600) | 31100 (68500) | 24650 (54400) | | |
| –3.0 m (–10') | 12600 (27800) | 9350 (20700) | | | 14050 (31000) | 10400 (23000) | *18850 (41600) | *13850 (30600) | 26400 (58200) | 24800 (54600) | *32450 (71600) | *32450 (71600) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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# PC600LC-8E0, PC600LC-8R1

Conditions: Boom: 7660 mm (25'2"), Bucket (SAE): 2.70 m³ (3.53 cu.yd), Shoes: 600 mm (24")
(Lifting mode: OFF) unit: kg (lb)

| A / B | MAX | | 9.1 m (29') | | 7.6 m (24') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3500 mm (11'6") | | | | | | | | | | | | |
| 9.1 m (29') | *6950 (15300) | *6950 (15300) | | | | | | | | | | |
| 6.1 m (20') | *6850 (15100) | *6850 (15100) | *9700 (21400) | *9700 (21400) | *10800 (23800) | *10800 (23800) | | | | | | |
| 3.0 m (9') | *7600 (16700) | 6200 (13700) | *11250 (24800) | 9150 (20200) | *13600 (30000) | 12450 (27500) | *17850 (39300) | *17600 (38900) | | | | |
| 0 m (0') | 9350 (20600) | 6150 (13600) | *12350 (27200) | 8450 (18600) | *15400 (34000) | 11350 (25100) | *20200 (44500) | 16150 (35600) | *16850 (37100) | *16850 (37100) | | |
| –3.0 m (–9') | *10150 (22400) | 7400 (16300) | *11600 (25500) | 8300 (18300) | *14800 (32600) | 11100 (24400) | *18950 (41700) | 15900 (35100) | *24500 (54000) | *24500 (54000) | *14350 (31600) | *14350 (31600) |
| –6.1 m (–20') | *9500 (21000) | *9500 (21000) | | | *8550 (18800) | *8550 (18800) | *12800 (28200) | *12800 (28200) | *16300 (35900) | *16300 (35900) | | |

(Lifting mode: ON) unit: kg (lb)

| A / B | MAX | | 9.1 m (29') | | 7.6 m (24') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3500 mm (11'6") | | | | | | | | | | | | |
| 9.1 m (29') | *8550 (18900) | *8550 (18900) | | | | | | | | | | |
| 6.1 m (20') | *8450 (18600) | 7350 (16200) | *12250 (27000) | 10000 (22000) | *13500 (29700) | *13500 (29700) | | | | | | |
| 3.0 m (9') | 9300 (20500) | 6200 (13700) | 13450 (29600) | 9150 (20200) | *16000 (35300) | 12450 (27500) | *22100 (48700) | 17850 (39400) | | | | |
| 0 m (0') | 9350 (20600) | 6150 (13600) | 12700 (28000) | 8450 (18600) | 17100 (37700) | 11350 (25100) | 24800 (54600) | 16150 (35600) | *20150 (44400) | *20150 (44400) | | |
| –3.0 m (–9') | 11150 (24600) | 7400 (16400) | 12500 (27600) | 8300 (18300) | 16800 (37000) | 11100 (24400) | *23650 (52100) | 15900 (35100) | *30400 (67100) | 26200 (57800) | *17400 (38300) | *17400 (38300) |
| –6.1 m (–20') | *12350 (27300) | *12350 (27300) | | | *11150 (24600) | *11150 (24600) | *16350 (36000) | *16350 (36000) | *20650 (45600) | *20650 (45600) | | |

Conditions: Boom: 7300 mm (23'11"), Bucket (SAE): 2.80 m³ (3.66 cu.yd), Shoes: 600 mm (24")
(Lifting mode: OFF) unit: kg (lb)

| A / B | MAX | | 9.1 m (29') | | 7.6 m (24') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3500 mm (11'6") | | | | | | | | | | | | |
| 9.1 m (29') | *6500 (14300) | *6500 (14300) | | | | | | | | | | |
| 6.1 m (20') | *6350 (14000) | *6350 (14000) | *9550 (21000) | *9550 (21000) | *10500 (23200) | *10500 (23200) | | | | | | |
| 3.0 m (9') | *7200 (15800) | 6300 (13900) | *11000 (24200) | 8850 (19500) | *13300 (29300) | 12250 (27000) | *17350 (38200) | *17350 (38200) | *24100 (53200) | *24100 (53200) | | |
| 0 m (0') | *9200 (20300) | 6300 (13900) | *12050 (26600) | 8200 (18100) | *15150 (33400) | 11200 (24700) | *20000 (44100) | 16150 (35600) | *14600 (32100) | *14600 (32100) | | |
| –3.0 m (–9') | *10350 (22900) | 7750 (17100) | *10900 (24100) | 8050 (17800) | *14400 (31700) | 10900 (24000) | *18750 (41300) | 15800 (34900) | *24750 (54500) | *24750 (54500) | *19650 (43300) | *19650 (43300) |
| –6.1 m (–20') | *9500 (20900) | *9500 (20900) | | | | | *11450 (25200) | *11450 (25200) | *15250 (33700) | *15250 (33700) | | |

(Lifting mode: ON) unit: kg (lb)

| A / B | MAX | | 9.1 m (29') | | 7.6 m (24') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3500 mm (11'6") | | | | | | | | | | | | |
| 9.1 m (29') | *8150 (17900) | *8150 (17900) | | | | | | | | | | |
| 6.1 m (20') | *7950 (17600) | 7650 (16800) | *12150 (26800) | 9600 (21100) | *13200 (29100) | *13200 (29100) | | | | | | |
| 3.0 m (9') | *8900 (19700) | 6300 (13900) | 13150 (29000) | 8850 (19500) | *16700 (36800) | 12250 (27000) | *21550 (47500) | 17900 (39400) | *26500 (58400) | *26500 (58400) | | |
| 0 m (0') | 9700 (21400) | 6300 (13900) | 12450 (27400) | 8200 (18100) | 16950 (37400) | 11200 (24700) | 24750 (54600) | 16150 (35600) | *17800 (39300) | *17800 (39300) | | |
| –3.0 m (–9') | 11850 (26100) | 7750 (17100) | 12300 (27100) | 8050 (17800) | 16600 (36600) | 10900 (24000) | *23450 (51700) | 15850 (34900) | *30700 (67700) | 26250 (57900) | *23750 (52400) | *23750 (52400) |
| –6.1 m (–20') | *12450 (27400) | *12450 (27400) | | | | | *14750 (32600) | *14750 (32600) | *19500 (43000) | *19500 (43000) | | |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC600LC-8E0, PC600LC-8R1

Conditions: Boom: 6600 mm (21'8"), Bucket (SAE): 3.50 m³ (4.58 cu.yd), Shoes: 600 mm (24")
(Lifting mode: OFF) unit: kg (lb)

| A / B | MAX | | 9.1 m (29') | | 7.6 m (24') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2900 mm (9'6") | | | | | | | | | | | | |
| 9.1 m (29') | *9650 (21300) | *9650 (21300) | | | | | | | | | | |
| 6.1 m (20') | *8950 (19700) | *8950 (19700) | | | *11750 (25900) | *11750 (25900) | | | | | | |
| 3.0 m (9') | *9800 (21600) | 7750 (17100) | *11750 (25900) | 8850 (19500) | *14000 (30900) | 12300 (27100) | *17950 (39600) | 17900 (39500) | *24650 (54300) | *24650 (54300) | | |
| 0 m (0') | *11500 (25400) | 7800 (17200) | *12200 (26900) | 8300 (18300) | *15500 (34000) | 11350 (25000) | *20250 (44600) | 16400 (36200) | *26150 (57700) | 25000 (55100) | *24700 (54500) | *24700 (54500) |
| –3.0 m (–9') | *11500 (25400) | 10150 (22400) | | | *13250 (29200) | 11250 (24800) | *17950 (39600) | 16250 (35800) | *23750 (52400) | *23750 (52400) | | |

(Lifting mode: ON) unit: kg (lb)

| A / B | MAX | | 9.1 m (29') | | 7.6 m (24') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2900 mm (9'6") | | | | | | | | | | | | |
| 9.1 m (29') | *11800 (26000) | *11800 (26000) | | | | | | | | | | |
| 6.1 m (20') | *10950 (24200) | 9600 (21100) | | | *14700 (32400) | 13500 (29800) | | | | | | |
| 3.0 m (9') | 11650 (25700) | 7750 (17100) | 13150 (29000) | 8850 (19500) | *17500 (38600) | 12300 (27100) | *22250 (49000) | 18050 (39800) | *30350 (66900) | 28500 (62800) | | |
| 0 m (0') | 11850 (26100) | 7800 (17200) | 12550 (27700) | 8300 (18300) | 17150 (37800) | 11350 (25000) | 25100 (55300) | 16400 (36200) | *26150 (57700) | 25450 (56100) | | |
| –3.0 m (–9') | *14750 (32500) | 10150 (22400) | | | *16800 (37000) | 11250 (24800) | *22450 (49500) | 16250 (35800) | *29500 (65100) | 26900 (59300) | *31000 (68400) | *31000 (68400) |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC600LC-8 (UK source)

Cnditions: Boom: 7660 mm, Bucket: 2750 kg, Shoes: 600 mm

(Lifting mode: OFF) unit: kg

| A / B | MAX | | 9.1 m | | 7.6 m | | 6.1 m | | 4.6 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3500 mm | | | | | | | | | | | | |
| 9.1 m | *6950 | *6950 | | | | | | | | | | |
| 6.1 m | *6850 | *6850 | *9800 | *9800 | *10950 | *10950 | | | | | | |
| 3.0 m | *7550 | 6200 | *11200 | 9050 | *13500 | 12350 | *17100 | *17100 | | | | |
| 0 m | 9350 | 6150 | *12250 | 8350 | *15100 | 11050 | *19850 | 15750 | *16550 | *16550 | | |
| –3.0 m | *10150 | 7400 | *11400 | 8200 | *14350 | 10750 | *18550 | 15550 | *24150 | *24150 | *19450 | *19450 |
| –4.5 m | *9550 | *9550 | | | | | *11950 | *11950 | *15700 | *15700 | | |

(Lifting mode: ON) unit: kg

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9.1 m | *8450 | 7350 | *2350 | 9850 | *13650 | *13650 | | | | | | |
| 6.1 m | *9300 | 6200 | 13300 | 9050 | *16850 | 12350 | *21300 | 17350 | | | | |
| 3.0 m | 9350 | 6150 | 12550 | 8350 | 16700 | 11050 | 24350 | 15750 | *19800 | *19800 | | |
| 0 m | *11200 | 7400 | 12400 | 8200 | 16400 | 10750 | *23200 | 15550 | *30150 | 25400 | *23200 | *23200 |
| –3.0 m | *12400 | *12400 | | | | | *15400 | *15400 | *20100 | *20100 | | |
| –4.5 m | *8450 | 7350 | *2350 | 9850 | *13650 | *13650 | | | | | | |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC600LC-7

Conditions: Boom: 7660 mm (25'2"), Bucket (SAE): 2.70 m³ (3.53 cu.yd), Shoes: 600 mm (24")
(Heavy-lifting: "OFF") unit: kg (lb)

| A / B | MAX | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3500 mm (11'6") | | | | | | | | | | | | |
| 9.1 m (30') | *8000 (17600) | *8000 (17600) | | | | | | | | | | |
| 6.1 m (20') | *7900 (17400) | 7400 (16400) | *10150 (22400) | 9100 (20100) | *11450 (25300) | *11450 (25300) | | | | | | |
| 3.0 m (10') | *8900 (19700) | 6200 (13600) | *11500 (25400) | 8450 (18700) | *14000 (30800) | 11650 (25600) | *18200 (40100) | 16650 (36800) | | | | |
| 0 m (0') | 9500 (21000) | 6200 (13700) | 12000 (26400) | 7900 (17400) | *15000 (33100) | 10200 (22400) | *20100 (44300) | 15150 (33400) | *14500 (32000) | *14500 (32000) | | |
| –3.0 m (–10') | *10600 (23300) | 7700 (17000) | *10850 (23900) | 7850 (17300) | *13850 (80600) | 10200 (22500) | *18100 (39900) | 15100 (33300) | *23150 (51000) | *23150 (51000) | *20950 (46200) | *20950 (46200) |
| –6.1 m (–20') | *9250 (20500) | *9250 (20500) | | | | | *10400 (22900) | *10400 (22900) | *13550 (29800) | *13550 (29800) | | |

(Heavy-lifting: "ON") unit: kg (lb)

| A / B | MAX | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3500 mm (11'6") | | | | | | | | | | | | |
| 9.1 m (30') | *8850 (19500) | *8850 (19500) | | | | | | | | | | |
| 6.1 m (20') | *8750 (19300) | 7400 (16400) | *11350 (25100) | 9100 (20100) | *12750 (28100) | *12750 (28100) | | | | | | |
| 3.0 m (10') | 9400 (20700) | 6200 (18600) | 12600 (27800) | 8450 (18700) | *15550 (34800) | 11650 (25600) | *20150 (44500) | 16650 (36800) | | | | |
| 0 m (0') | 9500 (21000) | 6200 (13700) | 12000 (26400) | 7900 (17400) | 15700 (34600) | 10200 (22400) | *22300 (49200) | 15150 (33400) | *15900 (35000) | *15900 (35000) | | |
| –3.0 m (–10') | 11750 (25900) | 7700 (17000) | 11950 (26400) | 7850 (17300) | *15550 (34300) | 10200 (22500) | *20200 (44500) | 15100 (33300) | *25750 (56800) | 24900 (54900) | *22800 (50300) | *22800 (50300) |
| –6.1 m (–20') | *10550 (23300) | *10550 (23300) | | | | | *11800 (26000) | *11800 (26000) | *15300 (33700) | *15300 (38700) | | |

Conditions: Boom: 7300 mm (23'11"), Bucket (SAE): 2.80 m³ (3.66 cu.yd), Shoes: 600 mm (24")
(Heavy-lifting: "OFF") unit: kg (lb)

| A / B | MAX | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3500 mm (11'6") | | | | | | | | | | | | |
| 9.1 m (30') | *7550 (16600) | *7550 (16600) | | | *8400 (18500) | *8400 (18500) | | | | | | |
| 6.1 m (20') | *7450 (16400) | *7450 (16400) | *10100 (22300) | 8850 (19500) | *11300 (24900) | *11300 (24900) | | | | | | |
| 3.0 m (10') | *8550 (18800) | 6450 (14300) | *11350 (25100) | 8300 (18300) | *13800 (30400) | 11600 (25600) | *17200 (38000) | 16200 (35700) | *23350 (51500) | *23350 (51500) | | |
| 0 m (0') | 10100 (22200) | 6500 (14400) | 11900 (26800) | 7800 (17200) | *15250 (33600) | 10650 (23500) | *20000 (44100) | 15350 (33800) | *19500 (48000) | *19500 (48000) | | |
| –3.0 m (–10') | *10900 (24000) | 8350 (18400) | | | *13750 (30300) | 10550 (23200) | *17900 (39500) | 15250 (33600) | *23300 (51300) | *23300 (51300) | *23850 (52500) | *23850 (52500) |

(Heavy-lifting: "ON") unit: kg (lb)

| A / B | MAX | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3500 mm (11'6") | | | | | | | | | | | | |
| 9.1 m (30') | *8400 (18500) | *8400 (18500) | | | *9300 (20500) | *9300 (20500) | | | | | | |
| 6.1 m (20') | *8300 (18300) | 7850 (17300) | *11350 (25000) | 8850 (19500) | *12600 (27800) | *12600 (27800) | | | | | | |
| 3.0 m (10') | *9450 (20800) | 6450 (14300) | 12500 (27500) | 8300 (18300) | *15350 (33900) | 11600 (25600) | *19150 (42300) | 16200 (35700) | *25450 (56100) | *25450 (56100) | | |
| 0 m (0') | 10100 (22200) | 6500 (14400) | 11900 (26300) | 7800 (17200) | 16250 (35900) | 10650 (23500) | *22200 (49000) | 15350 (33800) | *21300 (46900) | *21300 (46900) | | |
| –3.0 m (–10') | *12300 (27100) | 8350 (18400) | | | *15400 (33900) | 10550 (23200) | *19950 (44000) | 15250 (33600) | *25900 (57100) | 25250 (55700) | *25950 (57200) | *25950 (57200) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC600LC-7

Conditions: Boom: 6600 mm (21'8"), Bucket (SAE): 3.5 $m^3$ (4.58 cu.yd), Shoes: 600 mm (24")
(Heavy-lifting: "OFF") unit: kg (lb)

| A / B | MAX | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2900 mm (9'6") | | | | | | | | | | | | |
| 9.1 m (30') | *8750 (19300) | *8750 (19300) | | | | | | | | | | |
| 6.1 m (20') | *8300 (18300) | *8300 (18300) | | | *11700 (25800) | *11700 (25800) | | | | | | |
| 3.0 m (10') | *9300 (20500) | 7200 (15900) | *11700 (25800) | 8350 (18400) | *13950 (30800) | 11800 (26000) | *17650 (38900) | 17400 (38400) | *24700 (54500) | *24700 (54500) | | |
| 0 m (0') | 11200 (24600) | 7300 (16100) | 11950 (26400) | 7800 (17300) | *15400 (33900) | 10750 (23700) | *19000 (41900) | 14200 (31300) | *28100 (61900) | 25150 (55500) | | |
| –3.0 m (–10') | *11650 (25700) | 9350 (20700) | | | *13200 (29200) | 10650 (23500) | *16800 (37100) | 14200 (31300) | *23750 (52300) | *23750 (52300) | *29900 (65900) | *29900 (65900) |

(Heavy-lifting: "ON") unit: kg (lb)

| A / B | MAX | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2900 mm (9'6") | | | | | | | | | | | | |
| 9.1 m (30') | *9700 (21400) | *9700 (21400) | | | | | | | | | | |
| 6.1 m (20') | *9200 (20200) | 8900 (19700) | | | *13050 (28800) | 12850 (28300) | | | | | | |
| 3.0 m (10') | *10250 (22600) | 7200 (15900) | 12500 (27600) | 8350 (18400) | *15550 (34200) | 11800 (26000) | *19550 (43100) | 17400 (38400) | *27250 (60100) | *27250 (60100) | | |
| 0 m (0') | 11200 (24600) | 7300 (16100) | 11950 (26400) | 7800 (17300) | 16400 (36100) | 10750 (23700) | *21200 (46800) | 14200 (31300) | *31100 (68500) | 25150 (55500) | | |
| –3.0 m (–10') | *13150 (28900) | 9600 (21100) | | | *14850 (32700) | 10650 (23500) | *18850 (41600) | 14200 (31300) | *26400 (58200) | 25250 (55700) | *32450 (71600) | *32450 (71600) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC650LC-8E0 (for USA)

Conditions:
Boom: 7660mm (25'2"), Bucket (SAE): 2.70 m³ (3.53 cu.yd), Shoes: 750 mm (29.5") unit: kg (lb)

| A / B | MAX | | 9.1 m (29') | | 7.6 m (24') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3500 mm (11'6") | | | | | | | | | | | | |
| 9.1 m (29') | *8600 (18900) | *8600 (18900) | | | | | | | | | | |
| 6.1 m (20') | *8450 (18600) | *8450 (18600) | *12350 (27200) | 11500 (25400) | *13650 (30100) | *13650 (30100) | | | | | | |
| 3.0 m (9') | *9300 (20500) | 7500 (16500) | *14150 (31200) | 10700 (23600) | *16900 (37200) | 14400 (31700) | *21300 (47000) | 20150 (44400) | | | | |
| 0 m (0') | 10950 (24100) | 7500 (16500) | 14550 (32100) | 10000 (22000) | *18950 (41800) | 13100 (28900) | *24700 (54500) | 18550 (40900) | *19800 (43700) | *19800 (43700) | | |
| –3.0 m (–9') | *13000 (28600) | 8950 (19700) | 14400 (31700) | 9850 (21700) | *18150 (40000) | 12800 (28200) | *23200 (51200) | 18300 (40400) | *30100 (66400) | 29700 (65500) | *23250 (51300) | *23250 (51300) |
| –6.1 m (–20') | *12350 (27300) | *12350 (27300) | | | | | *15350 (33900) | *15350 (33900) | *20050 (44200) | *20050 (44200) | | |

Conditions:
Boom: 7660 mm (25'2"), Bucket (SAE): 2.30 m³ (3.00 cu.yd), Shoes: 750 mm (29.5") unit: kg (lb)

| A / B | MAX | | 9.1 m (29') | | 7.6 m (24') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 4300 mm (14'1") | | | | | | | | | | | | |
| 9.1 m (29') | *6600 (14500) | *6600 (14500) | *9000 (19800) | *9000 (19800) | | | | | | | | |
| 6.1 m (20') | *6450 (14200) | *6450 (14200) | *11200 (24700) | *11200 (24700) | | | | | | | | |
| 3.0 m (9') | *7000 (15500) | 6600 (14500) | *13250 (29200) | 10750 (23700) | *15650 (34500) | 14600 (32100) | *19750 (43500) | *19750 (43500) | *27750 (61200) | *27750 (61200) | | |
| 0 m (0') | *8500 (18700) | 6550 (14400) | 14450 (31900) | 9900 (21800) | *18400 (40600) | 13150 (29000) | *23950 (52800) | 18500 (40800) | *21700 (47800) | *21700 (47800) | | |
| –3.0 m (–9') | 11200 (24700) | 7600 (16800) | 14100 (31100) | 9550 (21000) | *18400 (40500) | 12500 (27600) | *23700 (52300) | 17900 (39500) | *31650 (69700) | 29000 (64000) | *20200 (44500) | *20200 (44500) |
| –6.1 m (–20') | *11900 (26200) | 11500 (25400) | | | *13950 (30700) | *13150 (28900) | *18250 (40200) | *18250 (40200) | *23550 (52000) | *23550 (52000) | *31250 (69000) | *31250 (69000) |

Conditions:
Boom: 7660 mm (25'2"), Bucket (SAE): 2.00 m³ (2.62 cu.yd), Shoes: 750 mm (29.5") unit: kg (lb)

| A / B | MAX | | 9.1 m (29') | | 7.6 m (24') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 5200 mm (17'1") | | | | | | | | | | | | |
| 9.1 m (29') | *4900 (10800) | *4900 (10800) | | | | | | | | | | |
| 6.1 m (20') | *4800 (10600) | *4800 (10600) | | | | | | | | | | |
| 3.0 m (9') | *5150 (11400) | *5150 (11400) | *12200 (26900) | 11000 (24300) | *14250 (31400) | *14250 (31400) | *17550 (38700) | *17550 (38700) | *23850 (52600) | *23850 (52600) | | |
| 0 m (0') | *6150 (13600) | 5700 (12500) | *14350 (31600) | 9950 (22000) | *17600 (38800) | 13350 (29400) | *22900 (50500) | 18850 (41600) | *25000 (55100) | *25000 (55100) | | |
| –3.0 m (–9') | *8300 (18300) | 6450 (14200) | 13950 (30800) | 9400 (20800) | *18550 (40900) | 12450 (27400) | *24100 (53100) | 17800 (39200) | *29300 (64700) | 28750 (63400) | *17700 (39000) | *17700 (39000) |
| –6.1 m (–20') | *11500 (24500) | 9000 (19900) | *12200 (26900) | 9600 (21200) | *15950 (35200) | 12700 (28000) | *20550 (45300) | 18050 (39800) | *27050 (59600) | *27050 (59600) | *31000 (68400) | *31000 (68400) |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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# PC650LC-8E0 (for USA)

Conditions:
Boom: 7660 mm (25'2"), Bucket (SAE): 2.70 m³ (3.53 cu.yd), Shoes: 900 mm (35.5") unit: kg (lb)

| A / B | MAX | | 9.1 m (29') | | 7.6 m (24') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3500 mm (11'6") | | | | | | | | | | | | |
| 9.1 m (29') | *8600 (18900) | *8600 (18900) | | | | | | | | | | |
| 6.1 m (20') | *8450 (18600) | *8450 (18600) | *12350 (27200) | 11650 (25700) | *13650 (30100) | *13650 (30100) | | | | | | |
| 3.0 m (9') | *9300 (20500) | 7600 (16800) | *14150 (31200) | 10850 (23900) | *16900 (37200) | 14600 (32200) | *21300 (47000) | 20400 (45000) | | | | |
| 0 m (0') | 11100 (24500) | 7600 (16800) | 14750 (32600) | 10150 (22400) | *18950 (41800) | 13300 (29300) | *24700 (54500) | 18800 (41500) | *19800 (43700) | *19800 (43700) | | |
| –3.0 m (–9') | *13000 (28600) | 9100 (20000) | *14450 (31900) | 10000 (22000) | *18150 (40000) | 13000 (28700) | *23200 (51200) | 18600 (41000) | *30100 (66400) | *30100 (66400) | *23250 (51300) | *23250 (51300) |
| –6.1 m (–20') | *12350 (27300) | *12350 (27300) | | | | | *15350 (33900) | *15350 (33900) | *20050 (44200) | *20050 (44200) | | |

Conditions:
Boom: 7660 mm (25'2"), Bucket (SAE): 2.30 m³ (3.00 cu.yd), Shoes: 900 mm (35.5") unit: kg (lb)

| A / B | MAX | | 9.1 m (29') | | 7.6 m (24') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 4300 mm (14'1") | | | | | | | | | | | | |
| 9.1 m (29') | *6600 (14500) | *6600 (14500) | *9000 (19800) | *9000 (19800) | | | | | | | | |
| 6.1 m (20') | *6450 (14200) | *6450 (14200) | *11200 (24700) | *11200 (24700) | | | | | | | | |
| 3.0 m (9') | *7000 (15500) | 6700 (14800) | *13250 (29200) | 10900 (24100) | *15650 (34500) | 14800 (32600) | *19750 (43500) | *19750 (43500) | *27750 (61200) | *27750 (61200) | | |
| 0 m (0') | *8500 (18700) | 6650 (14700) | 14700 (32400) | 10050 (22100) | *18400 (40600) | 13350 (29400) | *23950 (52800) | 18800 (41400) | *21700 (47800) | *21700 (47800) | | |
| –3.0 m (–9') | 11400 (25200) | 7750 (17100) | 14300 (31600) | 9700 (21400) | *18400 (40500) | 12700 (28000) | *23700 (52300) | 18200 (40100) | *31650 (69700) | 29450 (64900) | *20200 (44500) | *20200 (44500) |
| –6.1 m (–20') | *11900 (26200) | 11700 (25800) | | | *13950 (30700) | 13350 (29400) | *18250 (40200) | *18250 (40200) | *23550 (52000) | *23550 (52000) | *31250 (69000) | *31250 (69000) |

Conditions:
Boom: Boom: 7660 mm (25'2"), Bucket (SAE): 2.00 m³ (3.00 cu.yd), Shoes: 900 mm (35.5") unit: kg (lb)

| A / B | MAX | | 9.1 m (29') | | 7.6 m (24') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 5200 mm (17'1") | | | | | | | | | | | | |
| 9.1 m (29') | *4900 (10800) | *4900 (10800) | | | | | | | | | | |
| 6.1 m (20') | *4800 (10600) | *4800 (10600) | | | | | | | | | | |
| 3.0 m (9') | *5150 (11400) | *5150 (11400) | *12200 (26900) | 11150 (24600) | *14250 (31400) | *14250 (31400) | *17550 (38700) | *17550 (38700) | *23850 (52600) | *23850 (52600) | | |
| 0 m (0') | *6150 (13600) | 5800 (12800) | *14350 (31600) | 10150 (22300) | *17600 (38800) | 13550 (29900) | *22900 (50500) | 19150 (42200) | *25000 (55100) | *25000 (55100) | | |
| –3.0 m (–9') | *8300 (18300) | 6550 (14500) | 14200 (31300) | 9600 (21100) | *18550 (40900) | 12650 (27900) | *24100 (53100) | 18050 (39800) | *29300 (64700) | 29150 (64300) | *17700 (39000) | *17700 (39000) |
| –6.1 m (–20') | *11500 (24500) | 9150 (20200) | *12200 (26900) | 9800 (21600) | *15950 (35200) | 12900 (28400) | *20550 (45300) | 18300 (40400) | *27050 (59600) | *27050 (59600) | *31000 (68400) | *31000 (68400) |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC700LC-8E0, PC700LC-8R

Conditions:
Boom: 7660 mm (25'2"), Bucket (SAE): 2.70 m³ (3.53 cu.yd), Shoes: 610 mm (24")
(Lifting mode: ON) unit: kg (lb)

| A / B | MAX | | 9.1 m (29') | | 7.6 m (24') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3500 mm (11'6") | | | | | | | | | | | | |
| 9.1 m (29') | *8550 (18900) | *8550 (18900) | | | | | | | | | | |
| 6.1 m (20') | *8450 (18600) | *8450 (18600) | *12250 (27000) | 11950 (22300) | *13500 (29700) | *13500 (29700) | | | | | | |
| 3.0 m (9') | 9300 (20500) | 7700 (17000) | *14150 (31200) | 11100 (24500) | *17000 (37500) | 14900 (32900) | *22100 (48700) | 21250 (46800) | | | | |
| 0 m (0') | 10550 (23300) | 7700 (17000) | 14200 (31300) | 10400 (22900) | 18950 (41800) | 13850 (30500) | *25100 (55300) | 19500 (43000) | *20150 (44400) | *20150 (44400) | | |
| –3.0 m (–9') | 12500 (27600) | 9150 (20000) | 14000 (30900) | 10250 (22500) | *18600 (41000) | 13550 (29900) | *23650 (52100) | 19300 (42500) | *30400 (67100) | *30400 (67100) | *17400 (38300) | *17400 (38300) |
| –6.1 m (–20') | *12350 (27300) | *12350 (27300) | | | *11150 (24600) | *11150 (24600) | *16350 (36000) | *16350 (36000) | *20650 (45600) | *20650 (45600) | | |

Conditions:
Boom: 7300 mm (23'11"), Bucket (SAE): 2.80 m³ (3.66 cu.yd), Shoes: 610 mm (24")
(Lifting mode: ON) unit: kg (lb)

| A / B | MAX | | 9.1 m (29') | | 7.6 m (24') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3500 mm (11'6") | | | | | | | | | | | | |
| 9.1 m (29') | *8150 (17900) | *8150 (17900) | | | | | | | | | | |
| 6.1 m (20') | *7950 (17600) | *7950 (17600) | *12150 (26800) | 11550 (25400) | *13200 (29100) | *13200 (29100) | | | | | | |
| 3.0 m (9') | *8900 (19700) | 7900 (17400) | *13950 (30700) | 10800 (23800) | *16700 (36800) | 14750 (32500) | *21550 (47500) | *21050 (46400) | *26500 (58400) | *26500 (58400) | | |
| 0 m (0') | 10950 (24100) | 7900 (17500) | 13950 (30700) | 10150 (22300) | 18800 (41500) | 13650 (30100) | *24850 (54800) | 19500 (43000) | *17800 (39300) | *17800 (39300) | | |
| –3.0 m (–9') | 13250 (29300) | 9650 (21200) | 13800 (30400) | 10000 (22100) | *18150 (40100) | 13350 (29500) | *23450 (51700) | 19200 (42300) | *30700 (67700) | *30700 (67700) | *23750 (52400) | *23750 (52400) |
| –6.1 m (–20') | *12450 (27400) | *12450 (27400) | | | | | *14750 (32600) | *14750 (32600) | *19500 (43000) | *19500 (43000) | | |

Conditions:
Boom: 6600 mm (21'8"), Bucket (SAE): 3.50 m³ (4.58 cu.yd), Shoes: 610 mm (24")
(Lifting mode: ON) unit: kg (lb)

| A / B | MAX | | 9.1 m (29') | | 7.6 m (24') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2900 mm (9'6") | | | | | | | | | | | | |
| 9.1 m (29') | *11800 (26000) | *11800 (26000) | | | | | | | | | | |
| 6.1 m (20') | *10950 (24100) | *10950 (24100) | *10750 (23700) | *10750 (23700) | *14500 (32000) | *14500 (32000) | | | | | | |
| 3.0 m (9') | *11950 (26300) | 9450 (20800) | 14500 (31900) | 10600 (23400) | *17450 (38400) | 14600 (32100) | *22300 (49200) | 21350 (47000) | *30100 (66300) | *30100 (66300) | | |
| 0 m (0') | 13150 (29000) | 9550 (21000) | 13900 (30600) | 10100 (22200) | 18850 (41600) | 13650 (30100) | *24900 (54900) | 19650 (43300) | *26550 (58500) | *26550 (58500) | | |
| –3.0 m (–9') | *14550 (32100) | 12300 (27100) | | | *16600 (36600) | 13550 (29900) | *22300 (49100) | 19450 (42900) | *29300 (64600) | *29300 (64600) | *27200 (60000) | *27200 (60000) |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.


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# PC700LC-8E0 (UK source)

Conditions: Boom: 6600 mm, Bucket (SAE): 3.5 m³, Shoes: 610 mm
(Lifting mode: OFF) unit: kg

| A / B | MAX | | 9.0 m | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2900 mm | | | | | | | | | | | | |
| 9.1 m | *9700 | *9700 | | | | | | | | | | |
| 6.1 m | *8960 | *8960 | *8780 | *8780 | *11590 | *11590 | | | | | | |
| 3.0 m | *9810 | 9460 | *11590 | 10640 | *13930 | *13930 | *18000 | *18000 | *24410 | *24410 | | |
| 0 m | *11370 | 9570 | *11990 | 10100 | *15250 | 13690 | *20040 | 19650 | *26580 | *26580 | | |
| –3.0 m | *11370 | *11370 | | | *13090 | *13090 | *17780 | *17780 | *23560 | *23560 | *22590 | *22590 |
| –6.1 m | | | | | | | | | | | | |

(Lifting mode: ON) unit: kg

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9.1 m | *11830 | *11830 | | | | | | | | | | |
| 6.1 m | *10970 | *10970 | *10770 | *10770 | *14530 | *14530 | | | | | | |
| 3.0 m | *11950 | 9460 | 14500 | 10640 | *17460 | 14600 | *22320 | 21350 | *30100 | *30100 | | |
| 0 m | 13180 | 9570 | 13920 | 10100 | 18880 | 13690 | *24920 | 19650 | *26580 | *26580 | | |
| –3.0 m | *14580 | 12320 | | | *16640 | 13580 | *22300 | 19480 | *29330 | *29330 | *27240 | *27240 |
| –6.1 m | | | | | | | | | | | | |

Conditions: Boom: 7300 mm, Bucket (SAE): 2.7 m³, Shoes: 610 mm
(Lifting mode: OFF) unit: kg

| A / B | MAX | | 9.0 m | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3500 mm | | | | | | | | | | | | |
| 9.1 m | *6500 | *6500 | | | | | | | | | | |
| 6.1 m | *6350 | *6350 | *9550 | *9550 | *10500 | *10500 | | | | | | |
| 3.0 m | *7200 | *7200 | *11000 | 10800 | *13300 | *13300 | *17350 | *17350 | *24100 | *24100 | | |
| 0 m | *9200 | 7900 | *12050 | 10150 | *15150 | 13650 | *20000 | 19500 | *14600 | *14600 | | |
| –3.0 m | *10350 | 9650 | *10900 | 10000 | *14400 | 13350 | *18750 | *18750 | *24750 | *24750 | *19650 | *19650 |
| –6.1 m | *9500 | *9500 | | | | | *11450 | *11450 | *15250 | *15250 | | |

(Lifting mode: ON) unit: kg

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9.1 m | *8150 | *8150 | | | | | | | | | | |
| 6.1 m | *7950 | *7950 | *12150 | 11550 | *13200 | *13200 | | | | | | |
| 3.0 m | *8900 | 7900 | *13950 | 10800 | *16700 | 14750 | *21550 | 21050 | *26500 | *26500 | | |
| 0 m | 10950 | 7900 | 13950 | 10150 | 18800 | 13650 | *24850 | 19500 | *17800 | *17800 | | |
| –3.0 m | 13250 | 9650 | 13800 | 10000 | *18150 | 13350 | *23450 | 19200 | *30700 | *30700 | *23750 | *23750 |
| –6.1 m | *12450 | *12450 | | | | | *14750 | *14750 | *19500 | *19500 | | *12450 |

Conditions: Boom: 7600 mm, Bucket (SAE): 2.4 m³, Shoes: 610 mm
(Lifting mode: OFF) unit: kg

| A / B | MAX | | 9.0 m | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3500 mm | | | | | | | | | | | | |
| 9.1 m | *6950 | *6950 | | | | | | | | | | |
| 6.1 m | *6850 | *6850 | *9700 | *9700 | *10800 | *10800 | | | | | | |
| 3.0 m | *7600 | *7600 | *11250 | 11100 | *13600 | *13600 | *17850 | *17850 | | | | |
| 0 m | *9400 | 7700 | *12350 | 10400 | *15400 | 13850 | *20200 | 19500 | *16850 | *16850 | | |
| –3.0 m | *10150 | 9150 | *11600 | 10250 | *14800 | 13550 | *18950 | *18950 | *24500 | *24500 | *14350 | *14350 |
| –6.1 m | *9500 | *9500 | | | *8550 | *8550 | *12800 | *12800 | *16300 | *16300 | | |

(Lifting mode: ON) unit: kg

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9.1 m | *8550 | *8550 | | | | | | | | | | |
| 6.1 m | *8450 | *8450 | *12250 | 11950 | *13500 | *13500 | | | | | | |
| 3.0 m | *9300 | 7700 | *14150 | 11100 | *17000 | 14900 | *22100 | 21250 | | | | |
| 0 m | 10550 | 7700 | 14200 | 10400 | 18950 | 13850 | *25100 | 19500 | *20150 | *20150 | | |
| –3.0 m | 12500 | 9150 | 14000 | 10250 | *18600 | 13550 | *23650 | 19300 | *30400 | *30400 | *17400 | *17400 |
| –6.1 m | *12350 | *12350 | | | *11150 | *11150 | *16350 | *13650 | *20650 | *20650 | | |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC750-7

Conditions: Boom: 8200 mm (26'11"), Bucket (SAE): 3.1 m³ (4.05 cu.yd), Shoes: 610 mm (24")
(Heavy-lifting: "OFF") unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3600 mm (11'10") | | | | | | | | | | | | |
| 6.0 m (19') | *9350 (20600) | *8650 (19100) | *12950 (28500) | 12700 (28000) | *15150 (33400) | *15150 (33400) | *18900 (41700) | *18900 (41700) | | | | |
| 3.0 m (9') | 9650 (21300) | 7350 (16200) | 14750 (32500) | 11400 (25200) | *18450 (40700) | 14850 (32800) | *25700 (56700) | 21900 (48300) | | | | |
| 0 m (0') | 9800 (21600) | 7350 (16200) | 13750 (30300) | 10450 (23000) | 18550 (40900) | 14100 (31000) | 26900 (59300) | 20100 (44300) | | | | |
| –3.0 m (–9') | 12000 (26500) | 9100 (20000) | 13500 (29800) | 10250 (22600) | 18300 (40300) | 13850 (30500) | *24850 (54800) | 20150 (44500) | *29350 (64700) | *29350 (64700) | *21350 (47100) | *21350 (47100) |
| –6.0 m (–19') | *14350 (31600) | *14350 (31600) | | | | | *17000 (37500) | *17000 (37500) | | | | |

(Heavy-lifting: "ON") unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3600 mm (11'10") | | | | | | | | | | | | |
| 6.0 m (19') | *10550 (23300) | 8650 (19100) | *14800 (32700) | 12700 (28000) | *17250 (38000) | *17250 (38000) | *21350 (47100) | *21350 (47100) | | | | |
| 3.0 m (9') | 9650 (21300) | 7350 (16200) | 14750 (32500) | 11400 (25200) | 19400 (42800) | 14850 (32800) | 28850 (63700 | 21900 (48300) | | | | |
| 0 m (0') | 9800 (21600) | 7350 (16200) | 13750 (30300) | 10450 (23000) | 18550 (40900) | 14100 (31000) | 26900 (59300) | 20100 (44300) | | | | |
| –3.0 m (–9') | 12000 (26500) | 9100 (20000) | 13500 (29800) | 10250 (22600 | 18300 (40300) | 13850 (30500) | 26950 (59500) | 20150 (44500) | *32500 (71700) | *32500 (71700) | *23750 (52300) | *23750 (52300) |
| –6.0 m (–19') | *16650 (36800) | *16650 (36800) | | | | | *19700 (43400) | *19700 (43400) | | | | |

Conditions: Boom: 8200 mm (26'11"), Bucket (SAE): 2.8 m³ (3.66 cu.yd), Shoes: 610 mm (24")
(Heavy-lifting: "OFF") unit: kg (lb)

| A / B | MAX | | 12.0 m (39') | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 4600 mm (15'1") | | | | | | | | | | | | | | |
| 6.0 m (19') | *7500 (16600) | 7500 (16500) | | | *11500 (25400) | *11500 (25400) | | | | | | | | |
| 3.0 m (9') | 8450 (18700) | 6350 (14000) | 8650 (19000) | 6500 (14300) | *14150 (31200) | 11650 (25700) | *17500 (38600) | 15950 (35200) | *23400 (51600) | 22950 (50600) | | | | |
| 0 m (0') | 8450 (18600) | 6250 (13800) | | | 13700 (30200) | 10400 (23000) | 18600 (41000) | 14100 (31100) | *27000 (59500) | 20200 (44500) | *13600 (30000) | *13600 (30000) | | |
| –3.0 m (–9') | 10000 (22000) | 7450 (16400) | | | 13200 (29100) | 9900 (21900) | 17950 (39600) | 13500 (29800) | *25950 (57300) | 19700 (43400) | *25600 (56400) | *25600 (56400) | *17800 (39300) | *17800 (39300) |
| –6.0 m (–19') | *13850 (30500) | 12100 (26600) | | | | | *15800 (34800) | 14000 (30900) | *20350 (44900) | *20350 (44900) | *26300 (58000) | *26300 (58000) | | |

(Heavy-lifting: "ON") unit: kg (lb)

| A / B | MAX | | 12.0 m (39') | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3600 mm (11'10") | | | | | | | | | | | | | | |
| 6.0 m (19') | *8600 (19000) | 7500 (16500) | | | *13250 (29200) | 13100 (28900) | | | | | | | | |
| 3.0 m (9') | 8450 (18700) | 6350 (14000) | 8650 (19000) | 6500 (14300) | 15000 (33100) | 11650 (25700) | *20000 (44100) | 15950 (35200) | *26550 (58600) | 22950 (50600) | | | | |
| 0 m (0') | 8450 (18600) | 6250 (13800) | | | 13700 (30200) | 10400 (23000) | 18600 (41000) | 14100 (31100) | 27050 (59600) | 20200 (44500) | *15300 (33700) | *15300 (33700) | | |
| –3.0 m (–9') | 10000 (22000) | 7450 (16400) | | | 13200 (29100) | 9900 (21900) | 17950 (39600) | 13500 (29800) | 26450 (58400) | 19700 (43400) | *28400 (62600) | *28400 (62600) | *19900 (43800) | *19900 (43800) |
| –6.0 m (–19') | 15900 (35100) | 12100 (26600) | | | | | *18300 (40300) | 14000 (30900) | *23450 (51700) | 20500 (45200) | *30200 (66600) | *30200 (66600) | | |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC750-7

Conditions: Boom: 8200 mm (26'11"), Bucket (SAE): 2.8 m³ (3.66 cu.yd), Shoes: 610 mm (24")
(Heavy-lifting: "OFF") unit: kg (lb)

| A / B | MAX | | 12.0 m (39') | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 5600 mm (18'4") | | | | | | | | | | | | | | |
| 6.0 m (19') | *4550 (10000) | *4550 (10000) | *6850 (15100) | *6850 (15100) | | | | | | | | | | |
| 3.0 m (9') | *5300 (11700) | *5300 (11700) | *9500 (20900) | 7400 (16300) | *12650 (27900) | *12650 (27900) | *15500 (34200) | *15500 (34200) | *20450 (45100) | *20450 (45100) | | | | |
| 0 m (0') | *6950 (15300) | 5800 (12800) | 9000 (19800) | 6750 (14900) | *15000 (33100) | 11600 (25600) | 19050 (42000) | 15750 (34700) | *25600 (56400) | 22550 (49700) | *13650 (30100) | *13650 (30100) | | |
| –3.0 m (–9') | 8950 (19700) | 6650 (14700) | | | 14250 (31400) | 10850 (23900) | 19350 (42700) | 14700 (32400) | -26100 (57600) | *21350 (47100) | *21100 (46500) | *21100 (46500) | *13900 (30600) | *13900 (30600) |
| –6.0 m (–19') | *11750 (25900) | 9650 (21200) | | | *13450 (29600) | 10950 (24100) | *16550 (36400) | 13950 (30800) | *22400 (49400) | 21700 (47900) | *29850 (65800) | *29850 (65800) | *25250 (55600) | *25250 (55600) |

(Heavy-lifting: "ON") unit: kg (lb)

| A / B | MAX | | 12.0 m (39') | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 5600 mm (18'4") | | | | | | | | | | | | | | |
| 6.0 m (19') | *5350 (11800) | *5350 (11800) | *7900 (17400) | *7900 (17400) | | | | | | | | | | |
| 3.0 m (9') | *6200 (13700) | 5900 (13000) | 9650 (21300) | 7400 (16300) | *14600 (32200) | 13150 (28900) | *17800 (39200) | *17800 (39200) | *23300 (51300) | *23300 (51300) | | | | |
| 0 m (0') | 7800 (17200) | 5800 (12800) | 9000 (19800) | 6750 (14900) | 15100 (33300) | 11600 (25600) | 20450 (45100) | 15750 (34700) | *29200 (64300) | 22550 (49700) | *15350 (33900) | *15350 (33900) | | |
| –3.0 m (–9') | 8950 (19700) | 6650 (14700) | | | 14250 (31400) | 10850 (23900) | 19350 (42700) | 14700 (32400) | 28450 (62800) | 21350 (47100) | *23500 (51800) | *23500 (51800) | *15600 (34400) | *15600 (34400) |
| –6.0 m (–19') | 12700 (28000) | 9650 (21200) | | | 14400 (31700) | 10950 (24100) | 18600 (41000) | 13950 (30800) | *25750 (56800) | 21700 (47900) | *34200 (75400) | *34200 (75400) | *28000 (61800) | *28000 (61800) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC750-7 (SE spec.)

Conditions: Boom: 7100 mm (23'4"), Bucket (SAE): 4.0 m³ (5.23 cu.yd), Shoes: 610 mm (24")
(Heavy-lifting: "OFF") unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2920 mm (9'7") | | | | | | | | | | | | |
| 6.0 m (19') | *13600 (30000) | 10850 (23900) | *13800 (30400) | 11600 (25600) | *15600 (34400) | *15600 (34400) | *18800 (41500) | *18800 (41500) | | | | |
| 3.0 m (9') | 11800 (26000) | 8900 (19600) | 14100 (31100) | 10750 (23700) | *19050 (42000) | 15100 (33300) | *25300 (55800) | 21950 (48400) | | | | |
| 0 m (0') | 12250 (27000) | 9200 (20300) | 13350 (29400) | 10050 (22100) | 18350 (40400) | 13850 (30500) | 27000 (59600) | 20150 (44400) | *27550 (60800) | *27550 (60800) | | |
| –3.0 m (–9') | *16000 (35200) | 12800 (28200) | | | *17500 (38600) | 13950 (30800) | *23150 (51000) | 20450 (45100) | *29900 (66000) | *29900 (66000) | *37500 (82700) | *37500 (82700) |

(Heavy-lifting: "ON") unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2920 mm (9'7") | | | | | | | | | | | | |
| 6.0 m (19') | 14050 (31000) | 10850 (23900) | 15000 (33100) | 11600 (25600) | *17800 (39300) | 16950 (37400) | *21350 (47100) | *21350 (47100) | | | | |
| 3.0 m (9') | 11800 (26000) | 8900 (19600) | 14100 (31100) | 10750 (23700) | 19650 (43300) | 15100 (33300) | *28750 (63400) | 21950 (48400) | | | | |
| 0 m (0') | 12250 (27000) | 9200 (20300) | 13350 (29400) | 10050 (22100) | 18350 (40400) | 13850 (30500) | 27000 (59600) | 20150 (44400) | *30600 (67400) | *30600 (67400) | | |
| –3.0 m (–9') | 16900 (37200) | 12800 (28200) | | | 18450 (40700) | 13950 (30800) | *26500 (58400) | 20450 (45100) | *34200 (75400) | *34200 (75400) | *42950 (94600) | *42950 (94600) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC800-8E0, PC800-8R1

Conditions: Boom: 8200 mm (26'11"), Bucket (SAE): 3.1 m³ (4.05cu.yd), Shoes: 610 mm (24")
(Heavy Lift mode: OFF) unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3600 mm (11'10") | | | | | | | | | | | | |
| 6.0 m (19') | *7750 (17100) | *7750 (17100) | *12250 (27000) | *12250 (27000) | *14050 (31000) | *14050 (31000) | | | | | | |
| 3.0 m (9') | *9050 (20000) | 7150 (15800) | *14600 (32200) | 12100 (26700) | *17950 (39600) | 16300 (35900) | *23900 (52700) | 23000 (50700) | | | | |
| 0 m (0') | 9350 (20600) | 7050 (15550) | 14200 (31300) | 10850 (23900) | 19000 (41900) | 14450 (31900) | *21700 (47800) | 20400 (45000) | *13550 (29900) | *13550 (29900) | | |
| –3.0 m (–9') | 11050 (24400) | 8350 (18400) | 13800 (30400) | 10450 (23000) | 18500 (40800) | 13950 (30800) | *22450 (49500) | 20100 (44300) | *20300 (44800) | *20300 (44800) | *19100 (42100) | *19100 (42100) |
| –6.0 m (–19') | *13800 (30400) | 13600 (30000) | | | *14900 (32800) | 14750 (32500) | *19100 (42100) | *19100 (42100) | *22500 (49600) | *22500 (49600) | | |

(Heavy Lift mode: ON) unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3600 mm (11'10") | | | | | | | | | | | | |
| 6.0 m (19') | *8800 (19400) | 8400 (18500) | *14000 (30900) | 13700 (30200) | *16000 (35300) | *16000 (35300) | | | | | | |
| 3.0 m (9') | 9350 (20700) | 7150 (15700) | 15550 (34300) | 12100 (26700) | *20500 (45200) | 16300 (36000) | *26900 (59300) | 23000 (50800) | | | | |
| 0 m (0') | 9350 (20600) | 7050 (15550) | 14200 (31400) | 10850 (23900) | 19000 (41900) | 14450 (31900) | *21700 (47900) | 20400 (45000) | *15100 (33300) | *15100 (33300) | | |
| –3.0 m (–9') | 11050 (24300) | 8350 (18400) | 13800 (30400) | 10450 (23000) | 18500 (40800) | 13950 (30800) | *22450 (49500) | 20100 (44400) | *20300 (44700) | *20300 (44700) | *21200 (46700) | *21200 (46700) |
| –6.0 m (–19') | *16050 (35400) | 13600 (30000) | | | *17250 (38100) | 14750 (32500) | *22050 (48600) | 21250 (46800) | *22500 (49600) | *22500 (49600) | | |

Conditions: Boom: 8200 mm (26'11"), Bucket (SAE): 2.8 m³ (3.66cu.yd), Shoes: 610 mm (24")
(Heavy Lift mode: OFF) unit: kg (lb)

| A / B | MAX | | 12.0 m (39') | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 4600 mm (15'1") | | | | | | | | | | | | | | |
| 6.0 m (19') | *6400 (14100) | *6400 (14100) | *7900 (17400) | 7800 (17200) | *10750 (23700) | *10750 (23700) | | | | | | | | |
| 3.0 m (9') | *7350 (16200) | 6150 (13500) | 9400 (20700) | 7150 (15800) | *13400 (29500) | 12450 (27500) | *16350 (36000) | *16350 (36000) | *21400 (47200) | *21400 (47200) | | | | |
| 0 m (0') | 8050 (17800) | 6000 (13200) | 8750 (19300) | 6550 (14400) | 14350 (31600) | 10950 (24100) | 19300 (42500) | 14700 (32400) | *25950 (57200) | 20800 (45900) | *14600 (32200) | *14600 (32200) | | |
| –3.0 m (–9') | 9200 (20300) | 6850 (15100) | | | 13600 (30000) | 10250 (22600) | 18300 (40300) | 13750 (30300) | *26050 (57400) | 19800 (43700) | *23500 (51800) | *23500 (51800) | *15950 (35100) | *15950 (35100) |
| –6.0 m (–19') | *12650 (27900) | 10050 (22200) | | | *13300 (29300) | 10500 (23200) | *17100 (37700) | 14050 (31000) | *21850 (48100) | 20400 (45000) | *28600 (63100) | *28600 (63100) | *27150 (59900) | *27150 (59900) |

(Heavy Lift mode: ON) unit: kg (lb)

| A / B | MAX | | 12.0 m (39') | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 4600 mm (15'1") | | | | | | | | | | | | | | |
| 6.0 m (19') | *7350 (16200) | 7200 (15800) | *9000 (19800) | 7800 (17200) | *12350 (27300) | *12350 (27300) | | | | | | | | |
| 3.0 m (9') | 8150 (18000) | 6150 (13500) | 9400 (20700) | 7150 (15800) | *15400 (34000) | 12450 (27500) | *18700 (41200) | 17000 (37500) | *24350 (53700) | *24350 (53700) | | | | |
| 0 m (0') | 8050 (17800) | 6000 (13200) | 8750 (19300) | 6550 (14400) | 14350 (31600) | 10950 (24100) | 19300 (42500) | 14700 (32400) | 27800 (61300) | 20800 (45900) | *16300 (36000) | *16300 (36000) | | |
| –3.0 m (–9') | 9200 (20300) | 6850 (15100) | | | 13600 (30000) | 10250 (22600) | 18300 (40300) | 13750 (30300) | 26750 (58900) | 19800 (43700) | *26000 (57400) | *26000 (57400) | *17750 (39200) | *17750 (39200) |
| –6.0 m (–19') | 13300 (29300) | 10050 (22200) | | | 13900 (30600) | 10500 (23200) | 18650 (41100) | 14050 (31000) | *25150 (55400) | 20400 (45000) | *30800 (67900) | *30800 (67900) | *27150 (59900) | *27150 (59900) |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on ISO standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC800-8E0, PC800-8R1

Conditions: Boom: 8200 mm (26'11"), Bucket (SAE): 2.8 $m^3$ (3.66cu.yd), Shoes: 610 mm (24")
(Heavy Lift mode: OFF) unit: kg (lb)

| A / B | MAX | | 12.0 m (39') | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 5600 mm (18'4") | | | | | | | | | | | | | | |
| 6.0 m (19') | *4050 (8900) | *4050 (8900) | *7050 (15500) | *7050 (15500) | | | | | | | | | | |
| 3.0 m (9') | *4550 (10000) | *4550 (10000) | *9100 (20100) | 7100 (15700) | *11800 (26100) | *11800 (26100) | *14250 (31500) | *14250 (31500) | *18400 (40600) | *18400 (40600) | | | | |
| 0 m (0') | *5650 (12500) | 4750 (10500) | 8500 (18800) | 6300 (13900) | 14250 (31400) | 10850 (23900) | *18050 (39800) | 14700 (32400) | *24200 (53300) | 21000 (46300) | *15150 (33400) | *15150 (33400) | | |
| –3.0 m (–9') | 7400 (16300) | 5350 (11800) | 8050 (17800) | 5850 (12900) | 13150 (29000) | 9800 (21600) | 17850 (39300) | 13300 (29300) | *25700 (56600) | 19200 (42300) | *20100 (44300) | *20100 (44300) | *12850 (28400) | *12850 (28400) |
| –6.0 m (–19') | 9950 (21900) | 7350 (16200) | | | 13100 (28900) | 9750 (21500) | 17750 (39100) | 13200 (29100) | *23100 (51000) | 19300 (42600) | *24300 (53600) | *24300 (53600) | *22250 (49000) | *22250 (49000) |

(Heavy Lift mode: ON) unit: kg (lb)

| A / B | MAX | | 12.0 m (39') | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 5600 mm (18'4") | | | | | | | | | | | | | | |
| 6.0 m (19') | *4750 (10500) | *4750 (10500) | *8050 (17800) | 7900 (17400) | | | | | | | | | | |
| 3.0 m (9') | *5350 (11800) | 4950 (10900) | 9350 (20600) | 7100 (15700) | *13650 (30200) | 12650 (27900) | *16400 (36100) | *16400 (36100) | *20950 (46200) | *20950 (46200) | | | | |
| 0 m (0') | *6550 (14500) | 4750 (10500) | 8500 (18800) | 6300 (13900) | 14250 (31400) | 10850 (23900) | 19350 (42600) | 14700 (32400) | *27650 (61000) | 21000 (46300) | *16900 (37300) | *16900 (37300) | | |
| –3.0 m (–9') | 7400 (16300) | 5350 (11800) | 8050 (17800) | 5850 (12900) | 13150 (29000) | 9800 (21600) | 17850 (39300) | 13300 (29300) | 26100 (57600) | 19200 (42300) | *22300 (49200) | *22300 (49200) | *14400 (31800) | *14400 (31800) |
| –6.0 m (–19') | 9950 (21900) | 7350 (16200) | | | 13100 (28900) | 9750 (21500) | 17750 (39100) | 13200 (29100) | 26200 (57800) | 19300 (42600) | *24300 (53600) | *24300 (53600) | *22250 (49000) | *22250 (49000) |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on ISO standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC800-8E0 (SE spec.), PC800-8R1 (SE spec.)

Conditions: Boom: 7100 mm (23'4"), Bucket (SAE): 4.0 m³ (5.23 cu.yd), Shoes: 610 mm (24")

(Heavy Lift mode: OFF) unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2900 mm (9'8") | | | | | | | | | | | | |
| 6.0 m (19') | *12300 (27100) | 10100 (22300) | *12800 (28200) | 12450 (27400) | *14400 (31700) | *14400 (31700) | | | | | | |
| 3.0 m (9') | 11050 (24400) | 8300 (18300) | 14650 (32300) | 11200 (24700) | *17850 (39400) | 15600 (34400) | *23450 (51700) | 22750 (50200) | | | | |
| 0 m (0') | 11300 (24900) | 8400 (18500) | 13600 (30000) | 10200 (22500) | 18550 (40900) | 13950 (30800) | *26250 (57900) | 20150 (44400) | *28600 (63100) | *28600 (63100) | | |
| –3.0 m (–9') | *14550 (32000) | 11100 (24500) | | | *18000 (39700) | 13800 (30400) | *23550 (51900) | 20150 (44400) | *31050 (68500) | *31050 (68500) | *31800 (70100) | *31800 (70100) |

(Heavy Lift mode: ON) unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2900 mm (9'8") | | | | | | | | | | | | |
| 6.0 m (19') | 13150 (28900) | 10100 (22300) | *14800 (32600) | 12450 (27400) | *16500 (36400) | *16500 (36400) | | | | | | |
| 3.0 m (9') | 11050 (24400) | 8300 (18400) | 14650 (32300) | 11200 (24700) | 20350 (44900) | 15600 (34400) | *26750 (58900) | 22750 (50100) | | | | |
| 0 m (0') | 11300 (24900) | 8400 (18600) | 13600 (30000) | 10200 (22500) | 18550 (40900) | 13950 (30800) | 27200 (59900) | 20150 (44400) | *31350 (69100) | *31350 (69100) | | |
| –3.0 m (–9') | 14800 (32600) | 11100 (24500) | | | 18400 (40600) | 13800 (30400) | *27050 (59600) | 20150 (44400) | *32200 (71000) | *32200 (71000) | *31800 (70100) | *31800 (70100) |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on ISO standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC800-8E0 (UK source)

Conditions: Boom: 7100 mm, Bucket (SAE): 4.0 m³, Shoes: 610 mm
(Heavy Lift mode: OFF) unit: kg

| A / B | MAX | | 9.0 m | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2900 mm | | | | | | | | | | | | |
| 9.0 m | *12620 | *12620 | | | | | | | | | | |
| 6.0 m | *12310 | 11260 | *12630 | *12630 | *14150 | *14150 | | | | | | |
| 3.0 m | 12260 | 9410 | *14570 | 12400 | *18010 | 17350 | *23540 | *23540 | | | | |
| 0 m | 12560 | 9550 | 15060 | 11510 | *20040 | 15770 | *26730 | 22930 | *28630 | *28630 | | |
| –3.0 m | *14560 | 12470 | | | *18280 | 15540 | *24040 | *22790 | *31560 | *31560 | *29820 | *29820 |
| –6.0 m | | | | | | | | | | | | |

(Heavy Lift mode: ON) unit: kg

| A / B | MAX | | 9.0 m | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2900 mm | | | | | | | | | | | | |
| 9.0 m | *14430 | *14430 | | | | | | | | | | |
| 6.0 m | *14260 | 11260 | *14590 | 13690 | *16230 | *16230 | | | | | | |
| 3.0 m | 12260 | 9410 | 16000 | 12400 | *20660 | 17350 | *26800 | 25380 | | | | |
| 0 m | 12560 | 9550 | 15060 | 11510 | 20610 | 15700 | 30360 | 22930 | *31360 | *31360 | | |
| –3.0 m | 16300 | 12470 | | | 20370 | 15540 | *27560 | 22860 | *36040 | *36040 | *33160 | *33160 |
| –6.0 m | | | | | | | | | | | | |

Conditions: Boom: 8000 mm, Bucket (SAE): 3.1 m³, Shoes: 610 mm
(Heavy Lift mode: OFF) unit: kg

| A / B | MAX | | 9.0 m | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3600 mm | | | | | | | | | | | | |
| 9.0 m | *7390 | *7390 | | | | | | | | | | |
| 6.0 m | *7780 | *7780 | *12160 | *12160 | *14140 | *14140 | | | | | | |
| 3.0 m | *9070 | 8060 | *14790 | 13400 | *18640 | 17990 | *24140 | *24140 | | | | |
| 0 m | 10390 | 7990 | 15760 | 12230 | *20740 | 16340 | *25150 | 23180 | *13570 | *13570 | | |
| –3.0 m | 12230 | 9420 | 15330 | 11830 | *20080 | 15880 | *25650 | 23110 | *21930 | *21930 | *14290 | *14290 |
| –6.0 m | *13810 | *13810 | | | *15270 | *15270 | *19600 | *19600 | *24550 | *24550 | | |

(Heavy Lift mode: ON) unit: kg

| A / B | MAX | | 9.0 m | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3600 mm | | | | | | | | | | | | |
| 9.0 m | *8380 | *8380 | | | | | | | | | | |
| 6.0 m | *8800 | *8800 | *13940 | *13940 | *16100 | *16100 | | | | | | |
| 3.0 m | *10220 | 8060 | 16870 | 13400 | *21270 | 18130 | *27400 | 25700 | | | | |
| 0 m | 10390 | 7990 | 15760 | 12230 | 21140 | 16340 | *27920 | 23180 | *15140 | *15140 | | |
| –3.0 m | 12230 | 9420 | 15330 | 11830 | 20650 | 15880 | *29270 | 23110 | *24400 | *24400 | *16040 | *16040 |
| –6.0 m | *16050 | 15130 | | | *17680 | *16460 | *22580 | *22580 | *28240 | *28240 | | |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC800-7

Conditions: Boom: 8040 mm (26'11"), Bucket (SAE): 3.4 m³ (4.45 cu.yd), Shoes: 610 mm (24")
(Heavy-lifting: "OFF") unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3600 mm (11'10") | | | | | | | | | | | | |
| 6.0 m (19') | *10550 (23200) | 9050 (20000) | *11950 (26400) | *11950 (26400) | *14000 (30900) | *14000 (30900) | *17500 (38600) | *17500 (38600) | | | | |
| 3.0 m (9') | 10100 (22300) | 7650 (16800) | *14150 (31200) | 12050 (26600) | *17700 (39100) | 16500 (36300) | *24000 (52900) | 23400 (51600) | | | | |
| 0 m (0') | 10250 (22600) | 7700 (16900) | 14450 (31900) | 11000 (24200) | 19600 (43200) | 14850 (32800) | *25900 (57100) | 21300 (47000) | | | | |
| –3.0 m (–9') | 12700 (28000) | 9600 (21100) | 14250 (31500) | 10800 (23800) | *18400 (40600) | 14650 (32300) | *23550 (51900) | 21400 (47200) | *30250 (66700) | *30250 (66700) | *28050 (61900) | *28050 (61900) |
| –6.0 m (–19') | *12850 (28400) | *12850 (28400) | | | | | *15550 (34300) | *15550 (34300) | | | | |

(Heavy-lifting: "ON") unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3600 mm (11'10") | | | | | | | | | | | | |
| 6.0 m (19') | 11750 (25900) | 9050 (20000) | *13850 (30500) | 13450 (29700) | *16100 (35500) | *16100 (35500) | *19900 (43900) | *19900 (43900) | | | | |
| 3.0 m (9') | 10100 (22300) | 7650 (16800) | 15600 (34400) | 12050 (26600) | *20350 (44900) | 16500 (36300) | *27400 (60500) | 23400 (51600) | | | | |
| 0 m (0') | 10250 (22600) | 7700 (16900) | 14450 (31900) | 11000 (24200) | 19600 (43200) | 14850 (32800) | 28500 (62900) | 21300 (47000) | | | | |
| –3.0 m (–9') | 12700 (28000) | 9600 (21100) | 14250 (31500) | 10800 (23800) | 19350 (42700) | 14650 (32300) | *27050 (59700) | 21400 (47200) | *34700 (76500) | *34700 (76500) | *31100 (68600) | *31100 (68600) |
| –6.0 m (–19') | *15150 (33400) | *15150 (33400) | | | | | *18250 (40200) | *18250 (40200) | | | | |

## PC800-7 (SE spec.)

Conditions: Boom: 7100 mm (23'4"), Bucket (SAE): 4.3 m³ (5.62 cu.yd), Shoes: 610 mm (24")
(Heavy-lifting: "OFF") unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2945 mm (9'8") | | | | | | | | | | | | |
| 6.0 m (19') | *13250 (29200) | 11950 (26400) | *13450 (29600) | 12800 (28200) | *15250 (33700) | *15250 (33700) | *18500 (40800) | *18500 (40800) | | | | |
| 3.0 m (9') | 13000 (28600) | 9950 (21900) | *15200 (33500) | 11950 (26300) | *18750 (41300) | 16700 (36800) | *25000 (55100) | 24300 (53500) | | | | |
| 0 m (0') | 13550 (29800) | 10300 (22700) | 14750 (32500) | 11250 (24800) | 20200 (44600) | 15450 (34100) | *26850 (59200) | 22450 (49500) | *27200 (59900) | *27200 (59900) | | |
| –3.0 m (–9') | *15650 (34500) | 14250 (31400) | | | *17200 (37900) | 15550 (34300) | *22850 (50300) | 22750 (50200) | *29600 (65300) | *29600 (65300) | *37150 (81900) | *37150 (81900) |

(Heavy-lifting: "ON") unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2945 mm (9'8") | | | | | | | | | | | | |
| 6.0 m (19') | *15300 (33800) | 11950 (26400) | *15550 (34200) | 12800 (28200) | *17500 (38600) | *17500 (38600) | *21050 (46400) | *21050 (46400) | | | | |
| 3.0 m (9') | 13000 (28600) | 9950 (21900) | 15450 (34100) | 11950 (26300) | *21450 (47300) | 16700 (36800) | *28400 (62700) | 24300 (53500) | | | | |
| 0 m (0') | 13550 (29800) | 10300 (22700) | 14750 (32500) | 11250 (24800) | 20200 (44600) | 15450 (34100) | 29750 (65600) | 22450 (49500) | *30200 (66600) | *30200 (66600) | | |
| –3.0 m (–9') | *18150 (40000) | 14250 (31400) | | | *19850 (43800) | 15550 (34300) | *26200 (57800) | 22750 (50200) | *33850 (74700) | *33850 (74700) | *42600 (93900) | *42600 (93900) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC800LC-8E0, PC800LC-8R1

Conditions: Boom: 8200 mm (26'11"), Bucket (SAE): 3.1m³ (4.05 cu.yd), Shoes: 810 mm (32")
(Heavy Lift mode: ON) unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3600 mm (11'10") | | | | | | | | | | | | |
| 9.0 m (29') | *8350 (18400) | *8350 (18400) | | | | | | | | | | |
| 6.0 m (19') | *8800 (19400) | *8800 (19400) | *14000 (30900) | *14000 (30900) | *16000 (35300) | *16000 (35300) | | | | | | |
| 3.0 m (9') | *10200 (22500) | 7550 (16700) | *16750 (36900) | 12700 (28000) | *20500 (45200) | 17050 (37600) | *26900 (59300) | 24050 (53000) | | | | |
| 0 m (0') | 11850 (26100) | 7450 (16500) | 17900 (39500) | 11450 (25200) | *23250 (51300) | 15200 (33500) | *21700 (47900) | 21400 (47200) | *15100 (33300) | *15100 (33300) | | |
| –3.0 m (–9') | 13950 (30800) | 8850 (19500) | 17450 (38500) | 11050 (24300) | *22700 (50100) | 14700 (32400) | *22450 (49500) | 21150 (46600) | *20300 (44700) | *20300 (44700) | *21200 (46700) | *21200 (46700) |
| –6.0 m (–19') | *16050 (35400) | 14300 (31500) | | | *17250 (38100) | 15500 (34200) | *22050 (48600) | *22050 (48600) | *22500 (49600) | *22500 (49600) | | |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC800LC-8 (for USA)

Conditions:
Boom: 8200 mm (26'11"), Bucket (SAE): 3.1 m³ (4.05 cu.yd), Bucket weight: 2950 kg (6,500 lb),
Shoes: 810 mm (32")
(Heavy Lift mode: ON) unit: kg (lb)

| A / B | MAX | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3600 mm (11'10") | | | | | | | | | | | | |
| 9.1 m (30') | *8350 (18400) | *8350 (18400) | | | | | | | | | | |
| 6.1 m (20') | *8800 (19400) | *8800 (19400) | *13900 (30700) | *13900 (30700) | *16100 (35500) | *16100 (35500) | | | | | | |
| 3.0 m (10') | *10200 (22500) | 9200 (20200) | *16950 (37400) | 15000 (33000) | *21250 (46800) | 20150 (44400) | *27400 (60400) | *27400 (60400) | | | | |
| 0.0 m (0') | *13250 (29200) | 9150 (20200) | *18850 (41500) | 13800 (30500) | *23700 (52200) | 18350 (40500) | *27900 (61500) | 25950 (57200) | *15100 (33300) | *15100 (33300) | | |
| –3.0 m (–10') | *15000 (33100) | 10750 (23700) | *18400 (40600) | 13400 (29600) | *23000 (50700) | 17900 (39500) | *29250 (64500) | 25850 (57000) | *24400 (53700) | *24400 (53700) | *16000 (35300) | *16000 (35300) |
| –6.1 m (–20') | *16050 (35400) | *16050 (35400) | | | *17650 (38900) | *17650 (38900) | *22550 (49700) | *22550 (49700) | *28200 (62200) | *28200 (62200) | | |

Conditions:
Boom: 8200 mm (26'11"), Bucket (SAE): 2.8 m³ (3.66 cu.yd), Bucket weight: 2730 kg (6,017 lb),
Shoes: 810 mm (32")
(Heavy Lift mode: ON) unit: kg (lb)

| A / B | MAX | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 4600 mm (15'1") | | | | | | | | | | | | |
| 9.1 m (30') | *7050 (15500) | *7050 (15500) | | | | | | | | | | |
| 6.1 m (20') | *7350 (16200) | *7350 (16200) | *12350 (27200) | *12350 (27200) | | | | | | | | |
| 3.0 m (10') | *8350 (18500) | 7950 (17500) | *15650 (34500) | 15100 (33300) | *19350 (42700) | *19350 (42700) | *24400 (53800) | *24400 (53800) | | | | |
| 0 m (0') | *10500 (23200) | 7850 (17300) | *18200 (40100) | 13750 (30400) | *23000 (50700) | 18350 (40500) | *30000 (66200) | 27000 (57300) | *16300 (36000) | *16300 (36000) | | |
| –3.0 m (–10') | *13350 (29500) | 8900 (19600) | *18550 (40900) | 13050 (28800) | *23200 (51200) | 17450 (38500) | *30100 (66300) | 25150 (55400) | *25100 (55300) | *25100 (55300) | *14400 (31800) | *14400 (31800) |
| –6.1 m (–20') | *14750 (32500) | 12700 (28100) | *15550 (34300) | 13400 (29600) | *19950 (44000) | 17900 (39500) | *25400 (56100) | *25400 (56100) | *33000 (72700) | *33000 (72700) | *30450 (67100) | *30450 (67100) |

Conditions:
Boom: 8200 mm (26'11"), Bucket (SAE): 2.8 m³ (3.66 cu.yd), Bucket weight: 2730 kg (6,017 lb),
Shoes: 810 mm (32")
(Heavy Lift mode: ON) unit: kg (lb)

| A / B | MAX | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 5600 mm (18'4") | | | | | | | | | | | | |
| 9.1 m (30') | *4650 (10300) | *4650 (10300) | | | | | | | | | | |
| 6.1 m (20') | *4750 (10500) | *4750 (10500) | | | | | | | | | | |
| 3.0 m (10') | *5350 (11800) | *5350 (11800) | *13900 (30600) | *13900 (30600) | *17000 (37400) | *17000 (37400) | *22450 (49500) | *22450 (49500) | | | | |
| 0 m (0') | *6550 (14500) | 6450 (14200) | *17000 (37400) | 13700 (30200) | *21550 (47500) | *29100 (64200) | *29100 (64200) | 26200 (57800) | *16900 (37300) | *16900 (37300) | | |
| –3.0 m (–10') | *9050 (19900) | 7150 (15800) | *18100 (39900) | 12700 (28000) | *22750 (50100) | 17050 (37600) | *29850 (65800) | 24500 (54000) | *20050 (44200) | *20050 (44200) | *11400 (25200) | *11400 (25200) |
| –6.1 m (–20') | *12550 (27700) | 9600 (21100) | *16600 (36700) | 12700 (28000) | *21000 (46300) | 17100 (37700) | *27050 (59700) | 24850 (54800) | *33300 (73400) | *33300 (73400) | *27550 (60700) | *27550 (60700) |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC800LC-8 (for USA)

Conditions:
Boom: 8200 mm (26'11"), Bucket (SAE): 3.1 m³ (4.05 cu.yd), Bucket weight: 2950 kg (6,500 lb),
Shoes: 1010 mm (40")
(Heavy Lift mode: ON) unit: kg (lb)

| A / B | MAX | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3600 mm (11'10") | | | | | | | | | | | | |
| 9.1 m (30') | *8350 (18400) | *8350 (18400) | | | | | | | | | | |
| 6.1 m (20') | *8800 (19400) | *8800 (19400) | *13900 (30700) | *13900 (30700) | *16100 (35500) | *16100 (35500) | | | | | | |
| 3.0 m (10') | *10200 (22500) | 9500 (21000) | *16950 (37400) | 15450 (34100) | *21250 (46800) | 20500 (45200) | *27400 (60400) | *27400 (60400) | | | | |
| 0.0 m (0') | *13250 (29200) | 9500 (20900) | *18850 (41500) | 14300 (31500) | *23700 (52200) | 18950 (41800) | *27900 (61500) | 26750 (59000) | *15100 (33300) | *15100 (33300) | | |
| –3.0 m (–10') | *15000 (33100) | 11150 (24600) | *18400 (40600) | 13900 (30600) | *23000 (50700) | 18500 (40800) | *29250 (64500) | 26700 (58800) | *24400 (53700) | *24400 (53700) | *16000 (35300) | *16000 (35300) |
| –6.1 m (–20') | *16050 (35400) | *16050 (35400) | | | *17650 (38900) | *17650 (38900) | *22550 (49700) | *22550 (49700) | *28200 (62200) | *28200 (62200) | | |

Conditions:
Boom: 8200 mm (26'11"), Bucket (SAE): 2.8 m³ (3.66 cu.yd), Bucket weight: 2730 kg (6,017 lb),
Shoes: 1010 mm (40")
(Heavy Lift mode: ON) unit: kg (lb)

| A / B | MAX | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 4600 mm (15'1") | | | | | | | | | | | | |
| 9.1 m (30') | *7050 (15500) | *7050 (15500) | | | | | | | | | | |
| 6.1 m (20') | *7350 (16200) | *7350 (16200) | *12350 (27200) | *12350 (27200) | | | | | | | | |
| 3.0 m (10') | *8350 (18500) | 8300 (18300) | *15650 (34500) | *15650 (34500) | *19350 (42700) | *19350 (42700) | *24400 (53800) | *24400 (53800) | | | | |
| 0 m (0') | *10500 (23200) | 8200 (18100) | *18200 (40100) | 14350 (31600) | *23000 (50700) | 19100 (42100) | *30000 (66200) | 27000 (59500) | *16300 (36000) | *16300 (36000) | | |
| –3.0 m (–10') | *13350 (29500) | 9350 (20600) | *18550 (40900) | 13650 (30100) | *23200 (51200) | 18200 (40100) | *30100 (66300) | 26150 (57600) | *25100 (55300) | *25100 (55300) | *14400 (31800) | *14400 (31800) |
| –6.1 m (–20') | *14750 (32500) | 13300 (29300) | *15550 (34300) | 14000 (30900) | *19950 (44000) | 18650 (41100) | *25400 (56100) | *25400 (56100) | *33000 (72700) | *33000 (72700) | *30450 (67100) | *30450 (67100) |

Conditions:
Boom: 8200 mm (26'11"), Bucket (SAE): 2.8 m³ (3.66 cu.yd), Bucket weight: 2730 kg (6,017 lb),
Shoes: 1010 mm (40")
(Heavy Lift mode: ON) unit: kg (lb)

| A / B | MAX | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 5600 mm (18'4") | | | | | | | | | | | | |
| 9.1 m (30') | *4650 (10300) | *4650 (10300) | | | | | | | | | | |
| 6.1 m (20') | *4750 (10500) | *4750 (10500) | | | | | | | | | | |
| 3.0 m (10') | *5350 (11800) | *5350 (11800) | *13900 (30600) | *13900 (30600) | *17000 (37400) | *17000 (37400) | *22450 (49500) | *22450 (49500) | | | | |
| 0 m (0') | *6550 (14500) | 6550 (14500) | *17000 (37400) | 14300 (31500) | *21550 (47500) | 19150 (42200) | *29100 (64200) | 27200 (60000) | *16900 (37300) | *16900 (37300) | | |
| –3.0 m (–10') | *9050 (19900) | 7550 (16700) | *18100 (39900) | 13250 (29300) | *22750 (50100) | 17750 (39200) | *29850 (65800) | 25500 (56200) | *20050 (44200) | *20050 (44200) | *11400 (25200) | *11400 (25200) |
| –6.1 m (–20') | *12550 (27700) | 10050 (22200) | *16600 (36700) | 13300 (29300) | *21000 (46300) | 17850 (39300) | *27050 (59700) | 25500 (56300) | *33300 (73400) | *33300 (73400) | *27550 (60700) | *27550 (60700) |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC800LC-8 (UK source)

Conditions: Boom: 7100 mm, Bucket (SAE): 4.0 m³, Shoes: 810 mm
(Heavy Lift mode: OFF) unit: kg

| A / B | MAX | | 9.0 m | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2900 mm | | | | | | | | | | | | |
| 9.0 m | *12620 | *12620 | | | | | | | | | | |
| 6.0 m | *12310 | 11780 | *12630 | *12630 | *14150 | *14150 | | | | | | |
| 3.0 m | *12780 | 9900 | *14570 | 12990 | *18010 | 17860 | *23540 | *23540 | | | | |
| 0 m | *13650 | 10070 | *15810 | 12100 | *20040 | 16510 | *26730 | 23950 | *28630 | *28630 | | |
| –3.0 m | *14560 | 13090 | | | *18280 | 16280 | *24040 | *23810 | *31560 | *31560 | *29820 | *29820 |
| –6.0 m | | | | | | | | | | | | |

(Heavy Lift mode: ON) unit: kg

| A / B | MAX | | 9.0 m | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2900 mm | | | | | | | | | | | | |
| 9.0 m | *14430 | *14430 | | | | | | | | | | |
| 6.0 m | *14260 | 11780 | *14590 | 14280 | *16230 | *16230 | | | | | | |
| 3.0 m | *14840 | 9900 | *16820 | 12990 | *20660 | 18090 | *26800 | 26400 | | | | |
| 0 m | 15770 | 10070 | *18260 | 12100 | *22990 | 16510 | *30480 | 23950 | *31360 | *31360 | | |
| –3.0 m | *16920 | 13090 | | | *21090 | 16280 | *27560 | 23880 | *36040 | *36040 | *33160 | *33160 |
| –6.0 m | | | | | | | | | | | | |

Conditions: Boom: 8000 mm, Bucket (SAE): 3.1 m³, Shoes: 810 mm
(Heavy Lift mode: OFF) unit: kg

| A / B | MAX | | 9.0 m | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3600 mm | | | | | | | | | | | | |
| 9.0 m | *7390 | *7390 | | | | | | | | | | |
| 6.0 m | *7780 | *7780 | *12160 | *12160 | *14140 | *14140 | | | | | | |
| 3.0 m | *9070 | 8480 | *14790 | 13990 | *18640 | 18460 | *24140 | *24140 | | | | |
| 0 m | *11870 | 8420 | *16420 | 12820 | *20740 | 17090 | *25150 | 24200 | *13570 | *13570 | | |
| –3.0 m | *12970 | 9910 | *16000 | 12410 | *20080 | 16630 | *25650 | *24130 | *21930 | *21930 | *14290 | *14290 |
| –6.0 m | *13810 | *13810 | | | *15270 | *15270 | *19600 | *19600 | *24550 | *24550 | | |

(Heavy Lift mode: ON) unit: kg

| A / B | MAX | | 9.0 m | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3600 mm | | | | | | | | | | | | |
| 9.0 m | *8380 | *8380 | | | | | | | | | | |
| 6.0 m | *8800 | *8800 | *13940 | *13940 | *16100 | *16100 | | | | | | |
| 3.0 m | *10220 | 8480 | *16960 | 13900 | *21270 | 18870 | *27400 | 26710 | | | | |
| 0 m | 12950 | 8420 | *18850 | 12820 | *23700 | 17090 | *27920 | 24200 | *15140 | *15140 | | |
| –3.0 m | *15030 | 9910 | *18420 | 12410 | *23010 | 16630 | *29270 | 24130 | *24400 | *24400 | *16040 | *16040 |
| –6.0 m | *16050 | 15830 | | | *17680 | *17210 | *22580 | *22580 | *28240 | *28240 | | |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC850-8E0, PC850-8R1

Conditions: Boom: 8040 mm (26'5"), Bucket (SAE): 3.4 m³ (4.45 cu.yd), Shoes: 610 mm (24")

(Heavy Lift mode: OFF) unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3600 mm (11'10") | | | | | | | | | | | | |
| 6.0 m (19') | *9300 (20500) | 8650 (19000) | *11050 (24400) | *11050 (24400) | *12800 (28200) | *12800 (28200) | | | | | | |
| 3.0 m (9') | 9850 (21700) | 7250 (16000) | *13250 (29200) | 12300 (27100) | *16450 (36300) | *16450 (36300) | *22050 (48600) | *22050 (48600) | | | | |
| 0 m (0') | 9850 (21900) | 7150 (15800) | *14800 (32600) | 10950 (24100) | *18700 (41200) | 14750 (32500) | *20950 (46200) | *20950 (46200) | *19850 (43800) | *19850 (43800) | | |
| –3.0 m (–9') | *11800 (26100) | 8600 (19000) | *14350 (31600) | 10550 (23200) | *18150 (40000) | 14250 (31400) | *21250 (46800) | *20750 (45700) | *21150 (46600) | *21150 (46600) | *24450 (53900) | *24450 (53900) |
| –6.0 m (–19') | *12550 (27700) | *12550 (27700) | | | *12900 (28400) | *12900 (28400) | *17050 (37600) | *17050 (37600) | *21300 (47000) | *21300 (47000) | | |

(Heavy Lift mode: ON) unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3600 mm (11'10") | | | | | | | | | | | | |
| 6.0 m (19') | *10550 (23200) | 8650 (19000) | *12850 (28300) | *12850 (28300) | *14750 (32500) | *14750 (32500) | | | | | | |
| 3.0 m (9') | 9850 (21700) | 7250 (16000) | *15400 (33900) | 12300 (27100) | *18950 (41800) | *16800 (37000) | *23400 (51600) | *23400 (51600) | | | | |
| 0 m (0') | 9850 (21700) | 7150 (15750) | 14800 (32600) | 10950 (24100) | 19950 (43900) | 14750 (32500) | *20950 (46200) | *20950 (46200) | *22100 (48700) | *22100 (48700) | | |
| –3.0 m (–9') | 11800 (26000) | 8600 (19000) | 14350 (31700) | 10550 (23200) | 19400 (42800) | 14250 (31400) | *21250 (46850) | 20750 (45700) | *21150 (46700) | *21150 (46700) | *24450 (53900) | *24450 (53900) |
| –6.0 m (–19') | *14850 (32700) | *14850 (32700) | | | *15250 (33600) | *15250 (33600) | *20000 (44100) | *20000 (44100) | *21300 (46900) | *21300 (46900) | | |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on ISO Standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.


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## PC850-8E0 (SE spec.), PC850-8R1 (SE spec.)

Conditions: Boom: 7100 mm (23'4"), Bucket (SAE): 4.3 $m^3$ (5.62 cu.yd), Shoes: 610 mm (24")

(Heavy Lift mode: OFF) unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2900 mm (9'8") | | | | | | | | | | | | |
| 6.0 m (19') | *12150 (26800) | 11100 (24500) | *12650 (27900) | *12650 (27900) | *14250 (31400) | *14250 (31400) | | | | | | |
| 3.0 m (9') | 12400 (27300) | 9250 (20400) | *14500 (32000) | 12350 (27200) | *17700 (39000) | 17100 (37700) | *23250 (51300) | *23250 (51300) | | | | |
| 0 m (0') | 12700 (28000) | 9400 (20700) | 15250 (33600) | 11350 (25000) | *19700 (43400) | 15450 (34100) | *26050 (57400) | 22250 (49100) | *28450 (62700) | *28450 (62700) | | |
| –3.0 m (–9') | *14400 (31700) | 12350 (27200) | | | *17850 (39400) | 15300 (33700) | *23350 (51500) | 22200 (48900) | *30850 (68000) | *30850 (68000) | *31850 (70200) | *31850 (70200) |

(Heavy Lift mode: ON) unit: kg (lb)

| A / B | MAX | | 9.0 m (29') | | 7.5 m (24') | | 6.0 m (19') | | 4.5 m (14') | | 3.0 m (9') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2900 mm (9'8") | | | | | | | | | | | | |
| 6.0 m (19') | *14100 (31100) | 11100 (24500) | *14650 (32300) | 13600 (30000) | *16350 (36000) | *16350 (36000) | | | | | | |
| 3.0 m (9') | 12400 (27350) | 9250 (20400) | 16300 (35900) | 12350 (27300) | *20350 (44800) | 17100 (37800) | *26550 (58600) | 24850 (54700) | | | | |
| 0 m (0') | 12700 (28000) | 9400 (20800) | 15250 (33600) | 11350 (25100) | 20650 (45600) | 15450 (34000) | *29800 (65700) | 22250 (49000) | *31350 (69100) | *31350 (69100) | | |
| –3.0 m (–9') | 16500 (36400) | 12350 (27200) | | | 20550 (45300) | 15300 (33700) | *26850 (59200) | 22200 (49000) | *32100 (70800) | *32100 (70800) | *31850 (70200) | *31850 (70200) |

* Load is limited hydraulic capacity rather than tipping.
Ratings are based on ISO standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC1250-8, PC1250-8R

Conditions: Boom: 9100 mm (29'10"), Bucket (SAE): 5.0 m³ (6.54 cu.yd), Shoes: 700 mm (28")
(Heavy-lifting: "ON") unit: kg (lb)

| A / B | MAX | | 12.2 m (40') | | 10.7 m (35') | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3400 mm (11'2") | | | | | | | | | | | | | | |
| 9.1 m (30') | *15200 (33500) | *15200 (33500) | | | *18000 (39700) | *18000 (39700) | | | | | | | | |
| 6.1 m (20') | *15950 (35150) | 13200 (29100) | | | *20050 (44200) | 17400 (38400) | *22950 (50600) | *22950 (50600) | *27900 (61500) | *27900 (61500) | | | | |
| 3.0 m (10') | 15650 (34500) | 11850 (26200) | 16400 (36100) | 12500 (27500) | 20850 (46000) | 16100 (35500) | 27000 (59500) | 20850 (46000) | *34950 (77100) | 27650 (60900) | | | | |
| 0.0 m (0') | 16250 (35900) | 12300 (27100) | | | 19950 (44000) | 15200 (33500) | 24200 (53400) | 18200 (40200) | 34400 (75800) | 26100 (57500) | | | | |
| –3.0 m (–10') | 19950 (44000) | 15250 (33600) | | | 20000 (44100) | 15250 (33700) | 25600 (56400) | 19550 (43100) | 34600 (76300) | 26300 (57900) | *43850 (96700) | 38400 (84700) | *39250 (86600) | *39250 (86600) |
| –6.1 m (–20') | *23500 (51800) | *23500 (51800) | | | | | | | *25400 (56100) | *25400 (56100) | *32550 (71800) | *32550 (71800) | | |

(Heavy-lifting: "OFF") unit: kg (lb)

| A / B | MAX | | 12.2 m (40') | | 10.7 m (35') | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3400 mm (11'2") | | | | | | | | | | | | | | |
| 9.1 m (30') | *15200 (33500) | *15200 (33500) | | | *15500 (34200) | *15500 (34200) | | | | | | | | |
| 6.1 m (20') | *15850 (34900) | 13200 (29100) | | | *17300 (38100) | *17300 (38100) | *19950 (44000) | *19950 (44000) | *24400 (53800) | *24400 (53800) | | | | |
| 3.0 m (10') | 15650 (34500) | 11850 (26200) | 16400 (36100) | 12500 (27500) | *19800 (43700) | 16100 (35500) | *23900 (52700) | 20850 (46000) | *30550 (67400) | 27650 (60900) | | | | |
| 0.0 m (0') | 16250 (35900) | 12300 (27100) | | | 19950 (44000) | 15200 (33500) | 24200 (53400) | 18200 (40200) | *32650 (72000) | 26100 (57500) | | | | |
| –3.0 m (–10') | *19600 (43200) | 15250 (33600) | | | *19650 (43300) | 15250 (33700) | *24750 (54600) | 19550 (43100) | *30750 (67800) | 26300 (57900) | *38350 (84500) | *38350 (84500) | *39250 (86600) | *39250 (86600) |
| –6.1 m (–20') | *20150 (44500) | *20150 (44500) | | | | | | | *21900 (48200) | *21900 (48200) | *28150 (62100) | *28150 (62100) | | |

Conditions: Boom: 9100 mm (29'10"), Bucket (SAE): 4.0 m³ (5.2 cu.yd), Shoes: 700 mm (28")
(Heavy-lifting: "ON") unit: kg (lb)

| A / B | MAX | | 12.2 m (40') | | 10.7 m (35') | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 4500 mm (14'9") | | | | | | | | | | | | | | |
| 9.1 m (30') | *9300 (20500) | *9300 (20500) | | | | | | | | | | | | |
| 6.1 m (20') | *9650 (21300) | *9650 (21300) | *16650 (36700) | 13700 (30200) | *18150 (40000) | 18000 (39700) | *20550 (45400) | *20550 (45400) | | | | | | |
| 3.0 m (10') | *10950 (24200) | 10200 (22500) | 16650 (36700) | 12750 (28100) | 21200 (46700) | 16400 (36100) | *25600 (56500) | 21300 (47000) | *32350 (71400) | 28500 (62800) | | | | |
| 0.0 m (0') | *13650 (30100) | 10400 (23000) | 15850 (34900) | 11950 (26400) | 19900 (43900) | 15150 (33400) | 24550 (54100) | 18500 (40800) | 34450 (75900) | 26100 (57600) | *29300 (64600) | 29300 (64600) | | |
| –3.0 m (–10') | 16400 (36200) | 12400 (27300) | | | 19550 (43100) | 14800 (32600) | 25100 (55400) | 19050 (42000) | 34000 (75000) | 25700 (56600) | *46350 (102200) | 37500 (82600) | *31900 (70300) | *31900 (70300) |
| –6.1 m (–20') | *21750 (48000) | 18700 (41300) | | | | | *23650 (52100) | 20000 (44100) | *28850 (63600) | 25200 (55500) | *38200 (84300) | *38200 (84300) | *48900 (107800) | *48900 (107800) |

(Heavy-lifting: "OFF") unit: kg (lb)

| A / B | MAX | | 12.2 m (40') | | 10.7 m (35') | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 4500 mm (14'9") | | | | | | | | | | | | | | |
| 9.1 m (30') | *9300 (20500) | *9300 (20500) | | | | | | | | | | | | |
| 6.1 m (20') | *9650 (21300) | *9650 (21300) | *14250 (31400) | 13700 (30200) | *15600 (34400) | *15600 (34400) | *17850 (39300) | *17850 (39300) | | | | | | |
| 3.0 m (10') | *10950 (24200) | 10200 (22500) | *16050 (35400) | 12750 (28100) | *18500 (40800) | 16400 (36100) | *22250 (49000) | 21300 (47000) | *28250 (62300) | *28250 (62300) | | | | |
| 0.0 m (0') | *13650 (30100) | 10400 (23000) | 15850 (34900) | 11950 (26400) | 19900 (43900) | 15150 (33400) | *24200 (53300) | 18500 (40800) | *31950 (70400) | 26100 (57600) | *29300 (64600) | *29300 (64600) | | |
| –3.0 m (–10') | 16400 (36200) | 12400 (27300) | | | 19550 (43100) | 14800 (32600) | 25100 (55400) | 19050 (42000) | *31650 (69800) | 25700 (56600) | *40550 (89400) | 37500 (82600) | *31900 (70300) | *31900 (70300) |
| –6.1 m (–20') | *18650 (41100) | 18650 (41100) | | | | | *20300 (44800) | 20000 (44100) | *24800 (54700) | 24800 (54700) | *33200 (73200) | *33200 (73200) | *42600 (93900) | *42600 (93900) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC1250-8, PC1250-8R

Conditions: Boom: 9100 mm (29'10"), Bucket (SAE): 3.4 m³ (4.4 cu.yd), Shoes: 700 mm (28")
(Heavy-lifting: "ON") unit: kg (lb)

| A / B | MAX | | 13.7 m (45') | | 12.2 m (40') | | 10.7 m (35') | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 5700 mm (18'8") | | | | | | | | | | | | | | |
| 9.1 m (30') | *5900 (1300) | *5900 (13000) | | | | | | | | | | | | |
| 6.1 m (20') | *6050 (13400) | *6050 (13400) | *11050 (24300) | 10950 (24100) | *14950 (32900) | 14350 (31600) | | | | | | | | |
| 3.0 m (10') | *6800 (15000) | *6800 (15000) | 13550 (29900) | 10250 (22600) | 17050 (37600) | 13100 (28900) | *19800 (43700) | 16900 (37200) | *23450 (51700) | 22050 (48600) | *29300 (64600) | *29300 (64600) | *39750 (87600) | *39750 (87600) |
| 0.0 m (0') | *8400 (18500) | *8400 (18500) | 12850 (28400) | 9600 (21100) | 15950 (35200) | 12050 (26600) | 20100 (44300) | 15300 (33800) | 25900 (57100) | 19800 (43600) | 34800 (76700) | 26450 (58300) | *31200 (68800) | *31200 (68800) |
| –3.0 m (–10') | *11500 (25400) | 10150 (22400) | | | 15500 (34100) | 11600 (25600) | 19300 (42600) | 14600 (32100) | 24850 (54800) | 18800 (41500) | 33600 (74100) | 25300 (55800) | *47600 (105000) | 36800 (81100) |
| –6.1 m (–20') | 18600 (41000) | 14100 (31100) | | | | | 19750 (43500) | 15000 (33000) | 25200 (55600) | 19150 (42200) | *33250 (73300) | 25850 (56900) | *42350 (93300) | 37850 (83400) |

(Heavy-lifting: "OFF") unit: kg (lb)

| A / B | MAX | | 13.7 m (45') | | 12.2 m (40') | | 10.7 m (35') | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 5700 mm (18'8") | | | | | | | | | | | | | | |
| 9.1 m (30') | *5900 (1300) | *5900 (13000) | | | | | | | | | | | | |
| 6.1 m (20') | *6050 (13400) | *6050 (13400) | *11050 (24300) | 10950 (24100) | *12700 (28000) | *12700 (28000) | | | | | | | | |
| 3.0 m (10') | *6800 (15000) | *6800 (15000) | *13350 (29500) | 10250 (22600) | *14850 (32800) | 13100 (28900) | *17050 (37600) | 16900 (37200) | *20300 (44800) | *20300 (44800) | *25550 (56300) | *25550 (56300) | *34850 (76800) | *34850 (76800) |
| 0.0 m (0') | *8400 (18500) | *8400 (18500) | 12850 (28400) | 9600 (21100) | 15950 (35200) | 12050 (26600) | *19700 (43400) | 15300 (33800) | *24000 (53000) | 19800 (43600) | *30600 (67500) | 26450 (58300) | *31200 (68800) | *31200 (68800) |
| –3.0 m (–10') | *11500 (25400) | 10150 (22400) | | | 15500 (34100) | 11600 (25600) | 19300 (42600) | 14600 (32100) | 24850 (54800) | 18800 (41500) | *31900 (70300) | 25300 (55800) | *41650 (91800) | 36600 (81100) |
| –6.1 m (–20') | *16550 (36500) | 14100 (31100) | | | | | *18050 (39800) | 15000 (33000) | *22950 (50600) | 19150 (42200) | *28850 (63600) | 25850 (56900) | *36900 (81300) | *36900 (81300) |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC1250-7

Conditions: Boom: 9100 mm (29'10"), Bucket (SAE): 5.0 m³ (6.54 cu.yd), Shoes: 700 mm (28")
(Heavy-lifting: "OFF") unit: kg (lb)

| A / B | MAX | | 12.2 m (40') | | 10.7 m (35') | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3400 mm (11'2") | | | | | | | | | | | | | | |
| 9.1 m (30') | *15200 (33500) | *15200 (33500) | | | *15500 (34200) | *15500 (34200) | | | | | | | | |
| 6.1 m (20') | *15850 (34900) | 12900 (28500) | | | *17300 (38100) | 17100 (37700) | *19950 (44000) | *19950 (44000) | *24400 (53800) | *24400 (53800) | | | | |
| 3.0 m (10') | 15350 (33800) | 11600 (25600) | 16050 (35400) | 12200 (26900) | *19800 (43700) | 15750 (34800) | *23900 (52700) | 20500 (45200) | *30550 (67400) | 27150 (59800) | | | | |
| 0.0 m (0') | 15950 (35200) | 12050 (26500) | | | 19600 (43200) | 14900 (32800) | 23750 (52400) | 17850 (39300) | *32650 (72000) | 25600 (56400) | | | | |
| –3.0 m (–10') | *19600 (43200) | 14900 (32900) | | | *19650 (43300) | 14950 (33000) | *24750 (54600) | 19150 (42200) | *30750 (67800) | 25800 (56800) | *38350 (84500) | 37750 (83200) | *39250 (86600) | *39250 (86600) |
| –6.1 m (–20') | *20150 (44500) | *20150 (44500) | | | | | | | *21900 (48200) | *21900 (48200) | *28150 (62100) | *28150 (62100) | | |

(Heavy-lifting: "ON") unit: kg (lb)

| A / B | MAX | | 12.2 m (40') | | 10.7 m (35') | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3400 mm (11'2") | | | | | | | | | | | | | | |
| 9.1 m (30') | *15200 (33500) | *15200 (33500) | | | *18000 (39700) | 17900 (39400) | | | | | | | | |
| 6.1 m (20') | *15950 (35100) | 12900 (28500) | | | *20000 (44200) | 17100 (37700) | *22950 (50600) | 22750 (50200) | *27900 (61500) | *27900 (61500) | | | | |
| 3.0 m (10') | 15350 (33800) | 11600 (25600) | 16050 (35400) | 12200 (26900) | 20500 (45200) | 15750 (34800) | 26550 (58600) | 20500 (45200) | *34950 (77000) | 27150 (59800) | | | | |
| 0.0 m (0') | 15950 (35200) | 12050 (26500) | | | 19600 (43200) | 14900 (32800) | 23750 (52400) | 17850 (39300) | 33800 (74600) | 25600 (56400) | | | | |
| –3.0 m (–10') | 19600 (43200) | 14900 (32900) | | | 19650 (43300) | 14950 (33000) | 25150 (55400) | 19150 (42200) | 34050 (75000) | 25800 (56800) | *43850 (96700) | 37750 (83200) | *39250 (86600) | *39250 (86600) |
| –6.1 m (–20') | *23500 (51800) | *23500 (51800) | | | | | | | *25400 (56000) | *25400 (56000) | *32550 (71700) | *32550 (71700) | | |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC1250LC-7

Conditions: Boom: 9100 mm (29'10"), Bucket (SAE): 5.2 m³ (6.80 cu.yd), Shoes: 1000 mm (39")
(Heavy-lifting: "OFF") unit: kg (lb)

| A / B | MAX | | 12.2 m (40') | | 10.7 m (35') | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3400 mm (11'2") | | | | | | | | | | | | | | |
| 9.1 m (30') | *15200 (33500) | *15200 (33500) | | | *15500 (34200) | *15500 (34200) | | | | | | | | |
| 6.1 m (20') | *15850 (34900) | 13850 (30500) | | | *17300 (38100) | *17300 (38100) | *19950 (44000) | *19950 (44000) | *24400 (53800) | *24400 (53800) | | | | |
| 3.0 m (10') | *16750 (36900) | 12500 (27600) | *17150 (37800) | 13150 (29000) | *19800 (43700) | 16850 (37200) | *23900 (52700) | 21800 (48100) | *30550 (67400) | 28850 (63600) | | | | |
| 0.0 m (0') | *18050 (39800) | 12950 (28600) | | | *21250 (46900) | 15950 (35200) | *24700 (54400) | 19150 (42200) | *32650 (72000) | 27300 (60100) | | | | |
| –3.0 m (–10') | *19600 (43200) | 16000 (35300) | | | *19650 (43300) | 16050 (35400) | *24750 (54600) | 20450 (45100) | *30750 (67800) | 27450 (60600) | *38350 (84500) | *38350 (84500) | *39250 (86600) | *39250 (86600) |
| –6.1 m (–20') | *20150 (44500) | *20150 (44500) | | | | | | | *21900 (48200) | *21900 (48200) | *28150 (62100) | *28150 (62100) | | |

(Heavy-lifting: "ON") unit: kg (lb)

| A / B | MAX | | 12.2 m (40') | | 10.7 m (35') | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3400 mm (11'2") | | | | | | | | | | | | | | |
| 9.1 m (30') | *15200 (33500) | *15200 (33500) | | | *18000 (39700) | *18000 (39700) | | | | | | | | |
| 6.1 m (20') | *15950 (35100) | 13850 (30500) | | | *20000 (44200) | 18200 (40100) | *22950 (50600) | *22950 (50600) | *27900 (61500) | *27900 (61500) | | | | |
| 3.0 m (10') | *18300 (40300) | 12500 (27600) | *19950 (43900) | 13150 (29000) | *22900 (50500) | 16850 (37200) | *27500 (60600) | 21800 (48100) | *34950 (77000) | 28850 (63600) | | | | |
| 0.0 m (0') | *21000 (46300) | 12950 (28600) | | | *24600 (54200) | 15950 (35200) | *28550 (63000) | 19150 (42200) | *37400 (82400) | 27300 (60100) | | | | |
| –3.0 m (–10') | *22700 (50100) | 16000 (35300) | | | *22800 (50200) | 16050 (35400) | *28550 (62900) | 20450 (45100) | *35300 (77800) | 27450 (60600) | *43850 (96700) | 40100 (88400) | *39250 (86600) | *39250 (86600) |
| –6.1 m (–20') | *23500 (51800) | *23500 (51800) | | | | | | | *25400 (56000) | *25400 (56000) | *32550 (71700) | *32550 (71700) | | |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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# PC1250-8 (SP spec.), PC1250-8R (SP spec.)

Conditions: Boom: 7800 mm (25'7"), Bucket (SAE): 6.7 $m^3$ (8.8 cu.yd), Shoes: 700 mm (28")
(Heavy-lifting: "ON") unit: kg (lb)

| A / B | MAX | | 12.2 m (40') | | 10.7 m (35') | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3400 mm (11'2") | | | | | | | | | | | | | | |
| 9.1 m (30') | *11700 (25800) | *11700 (25800) | | | | | *17050 (37600) | *17050 (37600) | | | | | | |
| 6.1 m (20') | *12250 (27000) | *12250 (27000) | | | *16300 (35900) | 16100 (35600) | *24350 (53700) | 22600 (49800) | *28750 (63400) | *28750 (63400) | *36350 (80100) | *36350 (80100) | | |
| 3.0 m (10') | *14600 (32200) | 13700 (30200) | | | 20150 (44400) | 15300 (33800) | 26950 (59500) | 20750 (45700) | *33850 (74700) | 27000 (59600) | *47450 (104600) | 41150 (90700) | | |
| 0.0 m (0') | 19300 (42600) | 14550 (32000) | | | 19400 (42800) | 14600 (32200) | 25600 (56400) | 19450 (42900) | 31750 (70000) | 23500 (51800) | *48750 (107500) | 38650 (85200) | | |
| –3.0 m (–10') | *23900 (52700) | 19550 (43100) | | | | | *23950 (52900) | 19550 (43100) | *30750 (67800) | 24850 (54800) | *41450 (91300) | 39250 (86500) | *52450 (115700) | *52450 (115700) |
| –6.1 m (–20') | | | | | | | | | | | | | | |

(Heavy-lifting: "OFF") unit: kg (lb)

| A / B | MAX | | 12.2 m (40') | | 10.7 m (35') | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3400 mm (11'2") | | | | | | | | | | | | | | |
| 9.1 m (30') | *11700 (25800) | *11700 (25800) | | | | | *17050 (37600) | *17050 (37600) | | | | | | |
| 6.1 m (20') | *12250 (27000) | *12250 (27000) | | | *16300 (35900) | 16100 (35600) | *21150 (46600) | *21150 (46600) | *25150 (55500) | *25150 (55500) | *32100 (70800) | *32100 (70800) | | |
| 3.0 m (10') | *14600 (32200) | 13700 (30200) | | | 20150 (44400) | 15300 (33800) | *24450 (54000) | 20750 (45700) | *29450 (65000) | 27000 (59600) | *41750 (92000) | 41150 (90700) | | |
| 0.0 m (0') | 19300 (42600) | 14550 (32000) | | | 19400 (42800) | 14600 (32200) | 25600 (56400) | 19450 (42900) | *29900 (65900) | 23500 (51800) | *42750 (94300) | 38650 (85200) | | |
| –3.0 m (–10') | *20500 (45200) | 19550 (43100) | | | | | *20550 (45300) | 19550 (43100) | *26450 (58300) | 24850 (54800) | *36100 (79600) | *36100 (79600) | *45800 (100800) | *45800 (100800) |
| –6.1 m (–20') | | | | | | | | | | | | | | |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PC2000-8

Conditions: Boom: 8700 mm (28'7"), Bucket (SAE): 12.0 m³ (15.7 cu.yd), Shoes: 810 mm (32")
(Heavy-lifting: "OFF") unit: kg (lb)

| A / B | MAX | | 10.7 m (35') | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3900 mm (12'10") | | | | | | | | | | | | | | |
| 6.1 m (20') | *21950 (48400) | *21950 (48400) | *33350 (73500) | *33350 (73500) | *38650 (85200) | *38650 (85200) | *46700 (102900) | *46700 (102900) | | | | | | |
| 3.0 m (10') | *25500 (56100) | 24100 (53100) | *37150 (81900) | 36050 (79400) | *44850 (98800) | *44850 (98800) | *56550 (124700) | *56550 (124700) | | | | | | |
| 0.0 m (0') | *29800 (65700) | 25050 (55200) | *38500 (84800) | 33600 (74100) | *47150 (103900) | 43450 (95800) | *59400 (130900) | 58650 (129300) | *68850 (151800) | *68850 (151800) | | | | |
| –3.0 m (–10') | *30350 (66900) | *30350 (66900) | *33700 (74300) | 33200 (73200) | *42650 (94000) | *42650 (94000) | *53300 (117400) | *53300 (117400) | *67000 (147700) | *67000 (147700) | *68250 (150400) | *68250 (150400) | *50150 (110600) | *50150 (110600) |
| –6.1 m (–20') | *27000 (59500) | *27000 (59500) | | | | | *33150 (73100) | *33150 (73100) | *42200 (93000) | *42200 (93000) | *50800 (111900) | *50800 (111900) | | |

(Heavy-lifting: "ON") unit: kg (lb)

| A / B | MAX | | 10.7 m (35') | | 9.1 m (30') | | 7.6 m (25') | | 6.1 m (20') | | 4.6 m (15') | | 3.0 m (10') | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3900 mm (12'10") | | | | | | | | | | | | | | |
| 6.1 m (20') | *24850 (54800) | *24850 (54800) | *38350 (84500) | *38350 (84500) | *44150 (97300) | *44150 (97300) | *52950 (116700) | *52950 (116700) | | | | | | |
| 3.0 m (10') | *28700 (63200) | 24100 (53100) | *42800 (94300) | 36050 (79400) | *51300 (113100) | 475050 (103700) | *64450 (142000) | 63650 (140300) | | | | | | |
| 0.0 m (0') | *34100 (75200) | 25050 (55200) | *44400 (97900) | 33600 (74100) | *54150 (119400) | 43450 (95800) | *67900 (149600) | 58650 (129300) | *62450 (137600) | *62450 (137600) | | | | |
| –3.0 m (–10') | *35550 (78300) | 30600 (67400) | *39250 (86500) | 33200 (73200) | *49300 (108600) | 42700 (94100) | *61300 (135100) | 57500 (127800) | *64650 (142500) | *64650 (142500) | *61500 (135600) | *61500 (135600) | *55650 (122700) | *55650 (122700) |
| –6.1 m (–20') | *32150 (70800) | *32150 (70800) | | | | | *39150 (86200) | *39150 (86200) | *49500 (109000) | *49500 (109000) | *59650 (131500) | *59650 (131500) | | |

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard NO. J/ISO10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping loa


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SECTION 2C

# ATTACHMENTS

## CONTENTS

**Buckets & Rippers for Backhoe:**
- Ripper Bucket ..... 2C-2
- Trapezoidal Bucket ..... 2C-2
- Slope Finishing Bucket ..... 2C-2
- Ditch Cleaning Bucket ..... 2C-2
- Single-shank Ripper ..... 2C-2
- Clamshell Bucket ..... 2C-2
- Coal Bucket and Chip Bucket ..... 2C-3
- Chip Yard Bucket ..... 2C-3

**Attachments for General Construction:**
- Telescopic Arm (Upper Arm Sliding Type) ..... 2C-4
- Super Long Front ..... 2C-5



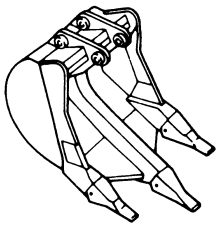
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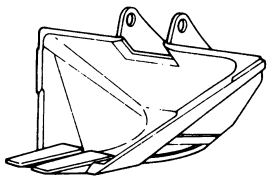
## Ripper Bucket

Suitable for digging rock bed or hard clayey soil when normal buckets cannot penetrate deep enough. Loading is also possible.



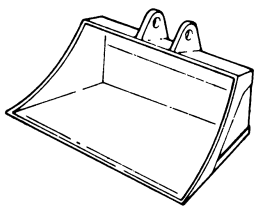
## Trapezoidal Bucket

Performs digging and sloping simultaneously on a drainage or irrigation canal. Using this bucket will leave the digging profile shaped as a cross-section.



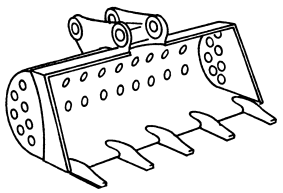
## Slope Finishing Bucket

The wide bucket width and flat bottom make this bucket suitable for smoothing the slopes of irrigation canals, roads or river banks.



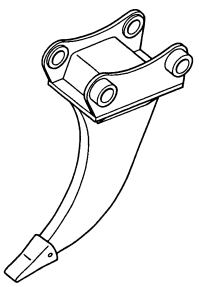
## Ditch Cleaning Bucket

Most suitable for cleaning a river or dredging soft soil from the river bed. The bucket has small holes which allow the water to drain, retaining only solid objects of the ditch.



## Single-shank Ripper

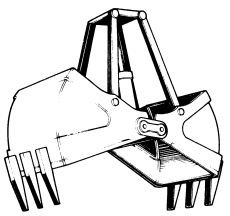
This ripper is used for site preparation prior to digging work, when it becomes necessary to remove rocks, pavement for other obstacles. Also effective for pulling out tree stumps.



## Clamshell Bucket

This type of bucket is used for digging, even below ground level.

It can also be used for placing objects up high and to move bulk materials from one point to another.





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## Coal Bucket and Chip Bucket

An excavator with INBOARD MATERIAL HANDLING SPECS greatly improves the working efficiency, safety and working environment when handling inboard materials like coal or chip and, in addition, its introduction leads to labor-savings.

**Coal bucket**

Bucket capacity : 1.3 $m^3$ (PC130, PC138US)

**Chip bucket**

Bucket capacity : 1.9 $m^3$ (PC130, PC138US)



**PC130 (FOR COAL HANDLING SPECS)**



**FOR CHIP HANDLING SPECS**

## Chip Yard Bucket

An excavator with CHIP YARD SPECS provides a large capacity bucket which increases its loading efficiency higher and chip-proof structure to protect chip intrusion from the hood and exterior covers around the engine.

**Bucket capacity**

PC350LC ..... 6.0 $m^3$

PC400 ..... 7.0 $m^3$ (Loading shovel)



**PC400**



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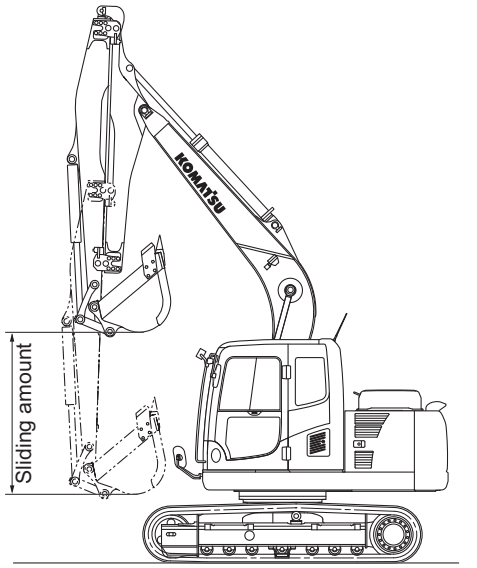
## Telescopic Arm (Upper Arm Sliding Type)

- With the arm extended, the machine can dig to the same depth as machines three classes higher. Useful attachment for restricted job sites where a wide working range is needed. Also slope-finishing work can be done with ease.
- Sliding mechanism using rollers on the slide surfaces makes adjustment easy and prevents vertical and horizontal vibrations of the arm, minimizing the wear which shortens arm life.
- Thanks to the hydraulic sliding system, the arm telescopes speedily, providing high working efficiency.

Unit : mm (ft in)

| | Sliding amount |
|---|---|
| PC130 | 2100 (6'11") |
| PC200LC | 2430 (8'0") |
| PC78US | 1800 (5'11") |
| PC138US | 2100 (6'11") |
| PC228USLC | 2430 (8'0") |






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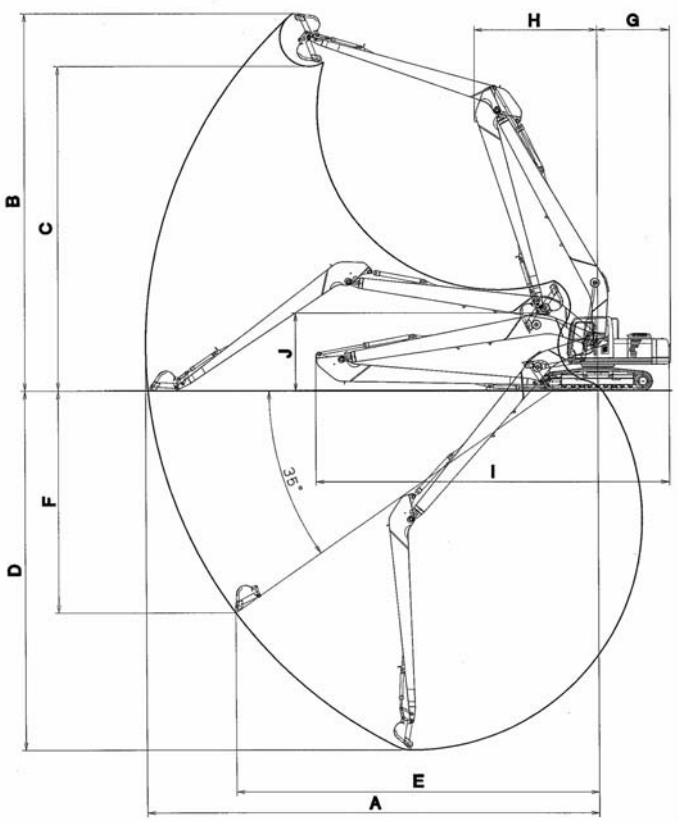
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## Super Long Front

SUPER LONG FRONT attachment boasts a huge digging reach. An excavator with this attachment highly improves working efficiency in various works such as river conservation, lake dredging, slope-finishing and materials carrying where an extensively long reach is required.





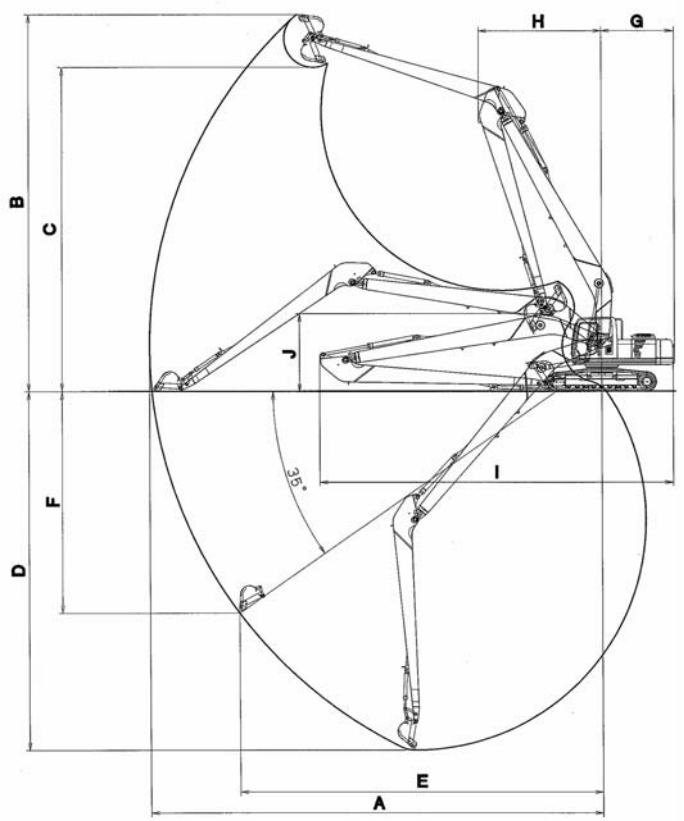

| Item | | Model | PC130 | PC200 | PC200LC | PC200LC |
|---|---|---|---|---|---|---|
| | | | 12.3m (40') reach | 15m (49') reach | 15m (49') reach | 18m (59') reach |
| Operating weight | | kg (lb) | 12,600 (27,780) | 21,700 (47,840) | 23,100 (50,930) | 26,400 (58,200) |
| Max. bucket capacity (SAE heaped) | | $m^3$ (cu.yd) | 0.28 (0.37) | 0.37 (0.48) | 0.45 (0.59) | 0.29 (0.38) |
| Bucket width (with side cutters) | | mm (ft.in) | 750 (2'6") | 860 (2'10") | 955 (3'2") | 720 (2'4") |
| Standard shoe width | | mm (in) | 500 (20") | 600 (24") | 700 (28") | 700 (28") |
| Ground pressure | | kg/$cm^2$ (PSI) | 0.41 (5.8) | 0.50 (7.1) | 0.41 (5.8) | 0.47 (6.7) |
| I | Overall length | mm (ft.in) | 9,920 (32'7") | 12,510 (41'1") | 12,510 (41'1") | 14,360 (47'1") |
| J | Overall height | mm (ft.in) | 2,835 (9'4") | 3,080 (10'1") | 3,080 (10'1") | 3,190 (10'6") |
| Boom length | | m (ft.in) | 6.9 (22'8") | 8.6 (28'3") | 8.6 (28'3") | 10.3 (33'10") |
| Arm length | | m (ft.in) | 4.9 (16'1") | 6.4 (21'0") | 6.4 (21'0") | 8.2 (26'11") |
| A | Working range : Max. digging reach | mm (ft.in) | 12,330 (40'5") | 15,250 (50'0") | 15,250 (50'0") | 18,340 (60'2") |
| B | Max. digging height | mm (ft.in) | 11,640 (38'2") | 13,730 (45'1") | 13,730 (45'1") | 15,380 (50'6") |
| C | Max. dumping height | mm (ft.in) | 9,600 (31'6") | 11,520 (37'10") | 11,520 (37'10") | 13,225 (43'5") |
| D | Max. digging depth | mm (ft.in) | 9,190 (30'2") | 11,530 (37'10") | 11,530 (37'10") | 14,610 (47'11") |
| E | Digging reach at 35° angle | mm (ft.in) | 9,850 (32'4") | 12,130 (39'10") | 12,190 (40'0") | 14,730 (48'4") |
| F | Digging depth at 35° angle | mm (ft.in) | 5,900 (19'4") | 7,350 (24'1") | 7,260 (23'10") | 9,030 (29'8") |
| G | Tail swing radius | mm (ft.in) | 2,190 (7'2") | 4,000 (13'1") | 4,000 (13'1") | 4,980 (16'4") |
| H | Min. swing radius | mm (ft.in) | 2,875 (9'5") | 2,940 (9'8") | 2,940 (9'8") | 2,940 (9'8") |



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| Item | | Model / Unit | PC220LC 18m (59') reach | PC300LC 16.5m (54') reach | PC400LC 20m (65') reach |
|---|---|---|---|---|---|
| Operating weight | | kg (lb) | 26,950 (59,410) | 35,600 (78,480) | 49,400 (108,900) |
| Max. bucket capacity (SAE heaped) | | $m^3$ (cu.yd) | 0.45 (0.59) | 0.69 (0.90) | 0.8 (1.05) |
| Bucket width (with side cutters) | | mm (ft.in) | 955 (3'2") | 930 (3'1") | 1030 (3'5") |
| Standard shoe width | | mm (in) | 700 (28") | 700 (28") | 700 (28") |
| Ground pressure | | kg/cm² (PSI) | 0.47 (6.7) | 0.58 (8.3) | 0.75 (10.7) |
| I | Overall length | mm (ft.in) | 14,430 (47'4") | 13,930 (45'8") | 16,150 (53'0") |
| J | Overall height | mm (ft.in) | 3,190 (10'6") | 3,490 (11'5") | 3,660 (12'0") |
| Boom length | | m (ft.in) | 10.3 (33'10") | 9.2 (30'2") | 11.1 (36'5") |
| Arm length | | m (ft.in) | 8.2 (26'11") | 6.4 (21'0") | 8.3 (27'3") |
| A | Working range : Max. digging reach | mm (ft.in) | 18,360 (60'3") | 16,570 (54'4") | 19,680 (64'7") |
| B | Max. digging height | mm (ft.in) | 15,120 (49'7") | 12,740 (41'10") | 14,990 (49'2") |
| C | Max. dumping height | mm (ft.in) | 12,980 (42'7") | 9,930 (32'7") | 12,200 (40'0") |
| D | Max. digging depth | mm (ft.in) | 14,645 (48'1") | 12,720 (41'9") | 14,800 (48'7") |
| E | Digging reach at 35° angle | mm (ft.in) | 14,895 (48'10") | 13,250 (43'6") | 15,770 (51'9") |
| F | Digging depth at 35° angle | mm (ft.in) | 8,810 (28'11") | 7,890 (25'11") | 9,520 (31'3") |
| G | Tail swing radius | mm (ft.in) | 4,980 (16'4") | 3,600 (11'10") | 3,795 (12'5") |
| H | Min. swing radius | mm (ft.in) | 2,940 (9'8") | 6,130 (20'1") | 6,790 (22'3") |



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SECTION 2D

# HYDRAULIC LOADING SHOVELS

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# Komatsu Mining Shovel Front Shovel Features

High production with low running costs

High digging forces provide fast cycle times and low cost per tonnage

### Environmental harmony

- Komatsu engines which meet EPA, EU and Japan emission regulations
- Extended oil change intervals and filter replacement intervals to reduce environmental impacts
- Long term experience in use of biological hydraulic oils and lubricants, as an option available

### Large, comfortable and safe mining operator's cab

- Integrated FOPS structure according to ISO 3449
- Internal floor area about 4.2 $m^2$ (5.0 $yd^2$)
- Large windows for good all around visibility
- Side sliding windows
- Pressurised to keep dust out
- Noise level in cab approx. 76 dB(A) according ISO 63096
- High intensive XENON working lights.
- Cab heating and air conditioner of 10 kW
- Comfortable multi-functional operator seat with internal heating
- Second swing out fold away seat for trainer
- Wash-hand basin
- Refrigerator

### ECS or VHMS monitoring system for greater machine efficiency and low maintenance time

- Comprehensive overview of shovel functions with operator friendly display
- Optional data transfer possibility via Modular Mining System controller
- All important machine running data are monitored and electronically stored, with down load facility
- Acoustic and visually alarms warn of machine malfunctions

### Komatsu engine

- Latest engine technology complaint with emission regulations
- Engine life time self cleaning stainless steel engine oil filter (ELIMINATOR) to avoid filter change; only filter cleaning at every 1000 hours is required
- Engine oil management system (Reserve and Centinel system) to extend oil change intervals up to 4000 hours
- Fuel tank capacity for continuous work up to 24 hours

### Electric drive as option

- Electric motor 6600 / 7200 V and 50 or 60 Hz available
- Squirrel cage motor with soft start
- Optimized electrical design for all international standards
- Compact design with low vibration and noise
- Cable drum with automatic tensioning, as option


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### Komatsu hydraulic system HYDRO-PILOT

- Multi-circuit hydraulic system with electronic load governor, pump flow summation capability, and oil flow priority based on demand, for fast working cycles and high productivity
- All main hydraulic circuits are run at one pressure level only, simplifying pressure adjustment and service
- Each circuit with connection facility for pressure check gauges
- Changing from front shovel to backhoe is simple
- Un-pressurised hydraulic tank with large pump suction lines and low pump speed prevents risk of cavitation
- Each hydralulic circuit protected with high pressure filters
- Full flow 10 µm return line filters for system safety and for supplementary circuits 3 µm by-pass filter to improve oil quality for long component lifetime
- Swing out hydraulic cooler for simple cleaning to keep the cooling efficiency
- Float valves for improved hydraulic system

### Heavy-duty shovel undercarriage design

- Komatsu Mining track system with oscillating shoes for optimum response to rugged mining ground conditions
- Lifetime lubricated rollers
- Automatic track tensioning system
- Track shoes in high quality casting steel and engineered by finite element method
- Precision hard facing of contact surfaces for long term performance
- Different width of shoes available for best performance in softer mining ground conditions

### Attachments

- Front shovel attachment available for all mining applications
- Closed box design combining steel plates and castings, engineered by finite element method for full lifetime
- Wide selection of buckets and customised options
- Bucket wear package ranges to meet all mining conditions
- Attachment pin sealing arrangement for reduced bearing wear-parts costs

### Service

- Hydraulically assisted ladder for ease and convenience access
- Upper structure walkway allows safe access to all service points
- Walk in machinery house provides all weather protection for service attention
- Automatic central lubrication system for attachment and main swing bearing
- Swing down service arm for fast, ground level refilling and evacuation and the minimizing of leakages during service
- Complete machine delivered in pre-tested modules for fast erection on job site


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| Item | | Model | •PC400-8 PC400-8R | •PC400-8*** PC400-8R*** | PC400-7 | PC400-7*** |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 43440 (95,770) | 44700 (98,550) | 43100 (95,020) | 44100 (97,200) |
| HORSEPOWER SAE J1995 Gross<br>ISO9249 /SAE J1349 Net<br>Hyd. fan at max. speed Net | | kW (HP)/RPM<br>kW (HP)/RPM<br>kW (HP)/RPM | 270 (362)/1900<br>257 (345)/1900 | 270 (362)/1900<br>257 (345)/1900 | 259 (347)/1850<br>246 (330)/1850 | 259 (347)/1850<br>246 (330)/1850 |
| BUCKET CAPACITY RANGE | | $m^3$<br>(cu.yd) | 2.6<br>(3.4) | 2.6<br>(3.4) | 2.6<br>(3.4) | 2.6<br>(3.4) |
| PERFORMANCE:<br>Swing speed<br>Max.travel speed | Hi<br>Mi<br>Lo | RPM<br>km/h (MPH) | 9.1<br>5.5 (3.4)<br>4.0 (2.5)<br>3.0 (1.9) | 9.1<br>5.5 (3.4)<br>4.0 (2.5)<br>3.0 (1.9) | 9.0<br>5.5 (3.4)<br>4.4 (2.7)<br>3.0 (1.9) | 9.0<br>5.5 (3.4)<br>4.4 (2.7)<br>3.0 (1.9) |
| DIMENSIONS: | | See the page of DIMENSIONS | | | | |
| ENGINE:<br>Model<br>No. of cylinders-<br>bore × stroke<br>Piston displacement | | <br>mm<br>(in)<br>ltr. (cu.in) | KOMATSU<br>SAA6D125E-5<br>6-125 × 150<br>(4.92 × 5.91)<br>11.04 (673) | KOMATSU<br>SAA6D125E-5<br>6-125 × 150<br>(4.92 × 5.91)<br>11.04 (673) | KOMATSU<br>SAA6D125E-3<br>6-125 × 150<br>(4.92 × 5.91)<br>11.04 (673) | KOMATSU<br>SAA6D125E-3<br>6-125 × 150<br>(4.92 × 5.91)<br>11.04 (673) |
| HYDRAULIC SYSTEM:<br>Hydraulic pump<br>Max. oil flow<br>Max. oil pressure (Implement) | | <br>ltr. (U.S. Gal)/min.<br>$kg/cm^2$ (PSI) | 2 × Variable<br>Piston<br>690 (182)<br>355 (5050) | 2 × Variable<br>Piston<br>690 (182)<br>355 (5050) | 2 × Variable<br>Piston<br>690 (182)<br>355 (5050) | 2 × Variable<br>Piston<br>690 (182)<br>355 (5050) |
| TRACK SHOES:<br>Width/ground pressure | | mm (in)/<br>$kg/cm^2$ (PSI) | 600 (24)/<br>0.83 (11.8) | 600 (24)/<br>0.85 (12.1) | 600 (24)/<br>0.83 (11.8) | 600 (24)/<br>0.85 (12.1) |
| CAPACITY (Refilled):<br>Fuel tank<br>Hydraulic oil tank | | ltr. (U.S. Gal) | 650 (1727)<br>248 (65.5) | 650 (1727)<br>248 (65.5) | 650 (172)<br>248 (65.5) | 650 (172)<br>248 (65.5) |
| MACHINE SPEC:<br>Boom<br>Arm<br>Bucket | | <br>mm (ft.in)<br>mm (ft.in)<br>$m^3$ (cu.yd) | <br>4000 (13'1")<br>2900 (9'6")<br>2.6 (3.4) | <br>4000 (13'1")<br>2900 (9'6")<br>2.6 (3.4) | <br>4000 (13'1")<br>2900 (9'6")<br>2.6 (3.4) | <br>4000 (13'1")<br>2900 (9'6")<br>2.6 (3.4) |

| Item | | Model | •PC400LC-8 PC400LC-8R | •PC400LC-8*** PC400LC-8R*** | PC400LC-7 | PC400LC-7*** |
|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 44840 (98,850) | 45900 (101,190) | 44300 (97,660) | 45200 (99,650) |
| HORSEPOWER SAE J1995 Gross<br>ISO9249 /SAE J1349 Net<br>Hyd. fan at max. speed Net | | kW (HP)/RPM<br>kW (HP)/RPM<br>kW (HP)/RPM | 270 (362)/1900<br>257 (345)/1900 | 270 (362)/1900<br>257 (345)/1900 | 259 (347)/1850<br>246 (330)/1850 | 259 (347)/1850<br>246 (330)/1850 |
| BUCKET CAPACITY RANGE | | $m^3$<br>(cu.yd) | 2.6<br>(3.4) | 2.6<br>(3.4) | 2.6<br>(3.4) | 2.6<br>(3.4) |
| PERFORMANCE:<br>Swing speed<br>Max.travel speed | Hi<br>Mi<br>Lo | RPM<br>km/h (MPH) | 9.1<br>5.5 (3.4)<br>4.0 (2.5)<br>3.0 (1.9) | 9.1<br>5.5 (3.4)<br>4.0 (2.5)<br>3.0 (1.9) | 9.0<br>5.5 (3.4)<br>4.4 (2.7)<br>3.0 (1.9) | 9.0<br>5.5 (3.4)<br>4.4 (2.7)<br>3.0 (1.9) |
| DIMENSIONS: | | See the page of DIMENSIONS | | | | |
| ENGINE:<br>Model<br>No. of cylinders-<br>bore × stroke<br>Piston displacement | | <br>mm<br>(in)<br>ltr. (cu.in) | KOMATSU<br>SAA6D125E-5<br>6-125 × 150<br>(4.92 × 5.91)<br>11.04 (673) | KOMATSU<br>SAA6D125E-5<br>6-125 × 150<br>(4.92 × 5.91)<br>11.04 (673) | KOMATSU<br>SAA6D125E-3<br>6-125 × 150<br>(4.92 × 5.91)<br>11.04 (673) | KOMATSU<br>SAA6D125E-3<br>6-125 × 150<br>(4.92 × 5.91)<br>11.04 (673) |
| HYDRAULIC SYSTEM:<br>Hydraulic pump<br>Max. oil flow<br>Max. oil pressure (Implement) | | <br>ltr. (U.S. Gal)/min.<br>$kg/cm^2$ (PSI) | 2 × Variable<br>Piston<br>690 (182)<br>355 (5050) | 2 × Variable<br>Piston<br>690 (182)<br>355 (5050) | 2 × Variable<br>Piston<br>690 (182)<br>355 (5050) | 2 × Variable<br>Piston<br>690 (182)<br>355 (5050) |
| TRACK SHOES:<br>Width/ground pressure | | mm (in)/<br>$kg/cm^2$ (PSI) | 700 (28)/<br>0.68 (9.7) | 700 (28)/<br>0.70 (10.0) | 700 (28)/<br>0.68 (9.7) | 600 (24)/<br>0.69 (9.8) |
| CAPACITY (Refilled):<br>Fuel tank<br>Hydraulic oil tank | | ltr. (U.S. Gal) | 650 (1727)<br>248 (65.5) | 650 (1727)<br>248 (65.5) | 650 (172)<br>248 (65.5) | 650 (172)<br>248 (65.5) |
| MACHINE SPEC:<br>Boom<br>Arm<br>Bucket | | <br>mm (ft.in)<br>mm (ft.in)<br>$m^3$ (cu.yd) | <br>4000 (13'1")<br>2900 (9'6")<br>2.6 (3.4) | <br>4000 (13'1")<br>2900 (9'6")<br>2.6 (3.4) | <br>4000 (13'1")<br>2900 (9'6")<br>2.6 (3.4) | <br>4000 (13'1")<br>2900 (9'6")<br>2.6 (3.4) |

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and, indicated implement and shoes.
*** Variable gauge
• Tier 3 and Stage 3A model



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| Item | Model | •PC600-8E0 PC600-8R1 | PC600-7 | •PC600LC-8E0 PC600LC-8R1 | PC600LC-7 |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | 63200 (139,330) | 61100 (134,700) | 64200 (141,540) | 62200 (137,130) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 323 (433)/1800 | | 323 (433)/1800 | |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 320 (429)/1800 | 287 (385)/1800 | 320 (429)/1800 | 287 (385)/1800 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | 288 (368)/1800 | | 288 (368)/1800 | |
| BUCKET CAPACITY RANGE | $m^3$ (cu.yd) | 4.0 (5.2) | 4.0 (5.2) | 4.0 (5.2) | 4.0 (5.2) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 8.3 | 8.3 | 8.3 | 8.3 |
| Max.travel speed Hi | km/h (MPH) | 4.9 (3.0) | 4.9 (3.0) | 4.9 (3.0) | 4.9 (3.0) |
| Mi | | | | | |
| Lo | | 3.0 (1.9) | 3.0 (1.9) | 3.0 (1.9) | 3.0 (1.9) |
| DIMENSIONS: | See the page of DIMENSIONS | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D140E-5 | KOMATSU SAA6D140E-3 | KOMATSU SAA6D140E-5 | KOMATSU SAA6D140E-3 |
| No. of cylinders-bore × stroke | mm (in) | 6-140 × 165 (5.51 × 6.50) | 6-140 × 165 (5.51 × 6.50) | 6-140 × 165 (5.51 × 6.50) | 6-140 × 165 (5.51 × 6.50) |
| Piston displacement | ltr. (cu.in) | 15.24 (930) | 15.24 (930) | 15.24 (930) | 15.24 (930) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 820 (217) | 820 (217) | 820 (217) | 820 (217) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 300 (4270) | 300 (4290) | 300 (4270) | 300 (4270) |
| TRACK SHOES: | | | | | |
| Width/ground pressure | mm (in)/ $kg/cm^2$ (PSI) | 600 (24)/ 1.14 (16.2) | 600 (24)/ 1.11 (15.8) | 600 (24)/ 1.08 (15.4) | 600 (24)/ 1.05 (14.9) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S. Gal) | 880 (232.5) | 880 (232) | 880 (232.5) | 880 (232) |
| Hydraulic oil tank | | 360 (95.0) | 360 (95.0) | 360 (95.0) | 360 (95.0) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 4000 (13'1") | 4000 (13'1") | 4000 (13'1") | 4000 (13'1") |
| Arm | mm (ft.in) | 3000 (9'10") | 3000 (9'10") | 3000 (9'10") | 3000 (9'10") |
| Bucket | $m^3$ (cu.yd) | 4.0 (5.2) | 4.0 (5.2) | 4.0 (5.2) | 4.0 (5.2) |

| Item | Model | PC750-7 | •PC800-8E0 PC800-8R1 | •PC1250-8 PC1250-8R | PC1250-7 |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | 76000 (167,550) | 77300 (170,420) | 110900 (244,490) | 110000 (242,510) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | | 370 (496)/1800 | 514 (688)/1800 | |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 338 (454)/1800 | 363 (487)/1800 | 502 (672)/1800 | 485 (651)/1800 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | 338 (454)/1800 | 463 (620)/1800 | |
| BUCKET CAPACITY RANGE | $m^3$ (cu.yd) | 4.5, 5.1 (5.9) (6.7) | 4.5, 5.1 (5.9) (6.7) | 6.5 (8.5) | 6.5 (8.5) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 6.8 | 6.8 | 6.8 | 5.5 |
| Max.travel speed Hi | km/h (MPH) | 4.2 (2.6) | 4.2 (2.6) | 4.2 (2.6) | 3.2 (2.0) |
| Mi | | | | | |
| Lo | | 2.8 (1.7) | 2.8 (1.7) | 2.8 (1.7) | 2.1 (1.3) |
| DIMENSIONS: | See the page of DIMENSIONS | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D140E-3 | KOMATSU SAA6D140E-5 | KOMATSU SAA6D170E-5 | KOMATSU SAA6D170E-3 |
| No. of cylinders-bore × stroke | mm (in) | 6-140 × 165 (5.51 × 6.50) | 6-140 × 165 (5.51 × 6.50) | 6-170 × 170 (6.69 × 6.69) | 6-170 × 170 (6.69 × 6.69) |
| Piston displacement | ltr. (cu.in) | 15.24 (930) | 15.24 (930) | 23.15 (1413) | 23.15 (1413) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | 2 × Variable Piston | 2 × Variable Piston | 3 × Variable Piston | 3 × Variable Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 988 (261) | 988 (261) | 1588 (420) | 1588 (420) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 320 (4550) | 320 (4550) | 320 (4550) | 320 (4550) |
| TRACK SHOES: | | | | | |
| Width/ground pressure | mm (in)/ $kg/cm^2$ (PSI) | 610 (24)/ 1.26 (17.9) | 610 (24)/ 1.28 (18.2) | 700 (28)/ 1.45 (20.6) | 700 (28)/ 1.44 (20.1) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S. Gal) | 880 (232) | 980 (259) | 1360 (359) | 1360 (359) |
| Hydraulic oil tank | | 440 (116) | 470 (124.2) | 670 (177) | 670 (177) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 4600 (15'1") | 4600 (15'1") | 5300 (17'5") | 5300 (17'5") |
| Arm | mm (ft.in) | 3400 (11'2") | 3400 (11'2") | 3800 (12'6") | 3800 (12'6") |
| Bucket | $m^3$ (cu.yd) | 4.5 (5.9) | 4.5 (5.9) | 6.5 (8.5) | 6.5 (8.5) |

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and, indicated implement and shoes.
• Tier 3 and Stage 3A model



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| Item | Model | PC2000-8 | PC3000-6 Diesel Tier 1 | PC3000-6 Diesel Tier 2 | PC3000E-6 Electric Drive |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | 195000 (429,900) | 249300 (549,600) | 249300 (549,600) | 251200 (553,200) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 728 (976)/1800 | 940 (1260)/1800 | 940 (1260)/1800 | 900 (1206) |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 713 (956)/1800 | 895 (1200)/1800 | 895 (1200)/1800 | |
| Hyd. fan at max. speed Net | kW (HP)/RPM | 679 (910)/1800 | | | |
| BUCKET CAPACITY RANGE | $m^3$ (cu.yd) | 11 (14.4) | 10 ~ 20 (13.1) (26.2) | 10 ~ 20 (13.1) (26.2) | 10 ~ 20 (13.1) (26.2) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 4.8 | 4.6 | 4.6 | 4.6 |
| Max.travel speed Hi | km/h (MPH) | 2.7 (1.7) | 2.4 (1.5) | 2.4 (1.5) | 2.4 (1.5) |
| Mi | | | | | |
| Lo | | | | | |
| DIMENSIONS: | See the page of DIMENSIONS | | | | |
| ENGINE (Electric Motor): | | KOMATSU | KOMATSU | KOMATSU | Siemens (6.6 kV) |
| Model | | SAA12V140E-3 | SSA12V159 | SSA12V159E-2 | 1LA452 |
| No. of cylinders- | | 12-140 × 165 | 12-159 × 159 | 12-159 × 159 | |
| bore × stroke | mm (in) | (5.51 × 6.50) | (6.26 × 6.26) | (6.26 × 6.26) | |
| Piston displacement | ltr. (cu.in) | 30.48 (1860) | 37.5 (2288) | 37.5 (2288) | |
| HYDRAULIC SYSTEM: | | 2 × Variable | 3 × Variable | 3 × Variable | 3 × Variable |
| Hydraulic pump | | Piston | Piston | Piston | Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 2317 (612) | 2730 (721) | 2730 (721) | 2730 (721) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 300 (4270) | 310 (4410) | 310 (4410) | 316 (4495) |
| TRACK SHOES: | | | | | |
| Width/ground pressure | mm (in)/ $kg/cm^2$ (PSI) | 810 (32)/ 1.90 (27.0) | 800 (31.5)/ 2.34 (33.3) | 800 (31.5)/ 2.34 (33.3) | 800 (31.5)/ 2.35 (33.4) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S. Gal) | 3400 (898) | 4500 (1190) | 4500 (1190) | |
| Hydraulic oil tank | | 1300 (344) | 2900 (765) | 2900 (765) | 2900 (765) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 5950 (19'6") | 6000 (19'8") | 6000 (19'8") | 6000 (19'8") |
| Arm | mm (ft.in) | 4450 (14'7") | 4300 (14'1") | 4300 (14'1") | 4300 (14'1") |
| Bucket | $m^3$ (cu.yd) | 11 (14.4) | 15.0 (19.6) | 15.0 (19.6) | 15.0 (19.6) |

| Item | Model | PC4000-6 Diesel Tier 1 | PC4000-6 Diesel Tier 2 | PC4000E-6 Electric Drive | PC5500-6 Diesel Tier 1 |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | 387700 (854,700) | 387700 (854,700) | 379300 (836,200) | 531200 (1,171,100) |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 1400 (1875)/1800 | 1400 (1875)/1800 | 1350 (1810) | 1880 (2520)/1800 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 1324 (1775)/1800 | 1324 (1775)/1800 | | 1825 (2446)/1800 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | | | |
| BUCKET CAPACITY RANGE | $m^3$ (cu.yd) | 16 ~ 28 (20.9) (36.6) | 16 ~ 28 (20.9) (36.6) | 16 ~ 28 (20.9) (36.6) | 20 ~ 36 (26.2) (47.1) |
| PERFORMANCE: | | | | | |
| Swing speed | RPM | 4.0 | 4.0 | 4.0 | 3.1 |
| Max.travel speed Hi | km/h (MPH) | 2.1 (1.3) | 2.1 (1.3) | 2.1 (1.3) | 2.1 (1.3) |
| Mi | | | | | |
| Lo | | | | | |
| DIMENSIONS: | See the page of DIMENSIONS | | | | |
| ENGINE (Electric Motor): | | KOMATSU | KOMATSU | ABB (6.6 kV) | KOMATSU |
| Model | | SDA16V160 | SDA16V160E-2 | AMA500L4A | 2 × SSA12V159 |
| No. of cylinders- | | 16-159 × 190 | 16-159 × 190 | | 12-159 × 159 |
| bore × stroke | mm (in) | (6.26 × 7.48) | (6.26 × 7.48) | | (6.26 × 6.26) |
| Piston displacement | ltr. (cu.in) | 60.2 (3673) | 60.2 (3673) | | 2 × 37.5 (2288) |
| HYDRAULIC SYSTEM: | | 4 × Variable | 4 × Variable | 4 × Variable | 6 × Variable |
| Hydraulic pump | | Piston | Piston | Piston | Piston |
| Max. oil flow | ltr. (U.S. Gal)/min. | 4140 (1094) | 4140 (1094) | 4140 (1094) | 4200 (1110) |
| Max. oil pressure (Implement) | $kg/cm^2$ (PSI) | 316 (4495) | 316 (4495) | 316 (4495) | 316 (4495) |
| TRACK SHOES: | | | | | |
| Width/ground pressure | mm (in)/ $kg/cm^2$ (PSI) | 1200 (47)/ 2.17 (30.9) | 1200 (47)/ 2.17 (30.9) | 1200 (47)/ 2.12 (30.1) | 1350 (53)/ 2.39 (34.0) |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | ltr. (U.S. Gal) | 6400 (1691) | 6400 (1691) | — | 10800 (2853) |
| Hydraulic oil tank | | 3900 (1030) | 3900 (1030) | 3900 (1030) | 3800 (1004) |
| MACHINE SPEC: | | | | | |
| Boom | mm (ft.in) | 7150 (23'6") | 7150 (23'6") | 7150 (23'6") | 7600 (24'11") |
| Arm | mm (ft.in) | 4900 (16'1") | 4900 (16'1") | 4900 (16'1") | 5600 (18'4") |
| Bucket | $m^3$ (cu.yd) | 22.0 (28.8) | 22.0 (28.8) | 22.0 (28.8) | 29.0 (37.9) |

* Operating weight includes coolant, lubricants, full fuel tank, operator 80 kg (180 lb) and, indicated implement and shoes.



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| Item | Model | PC5500-6 Diesel Tier 2 | PC5500E-6 Electric Drive | PC8000-6 Diesel Tier 2 | PC8000E-6 Electric drive |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | 532700 (1,174,400) | 526400 (1,166,000) | 743200 (1,638,500) | 725550 (1,599,400) |
| HORSEPOWER SAE J1995 Gross<br>ISO9249 /SAE J1349 Net<br>Hyd. fan at max. speed Net | kW (HP)/RPM<br>kW (HP)/RPM<br>kW (HP)/RPM | 1880 (2520)/1800<br>1825 (2446)/1800 | 1800 (2412) | 3000 (4021)/1800<br>2882 (3863)/1800 | 2900 (3887) |
| BUCKET CAPACITY RANGE | $m^3$<br>(cu.yd) | 20 ~ 36<br>(26.2) (47.1) | 20 ~ 36<br>(26.2) (47.1) | 28 ~ 50<br>(36.6) (65.4) | 28 ~ 50<br>(36.6) (65.4) |
| PERFORMANCE:<br>Swing speed<br>Max.travel speed Hi<br>Mi<br>Lo | RPM<br>km/h (MPH) | 3.1<br>2.1 (1.3) | 3.1<br>2.1 (1.3) | 2.7<br>2.4 (1.5) | 2.7<br>2.4 (1.5) |
| DIMENSIONS: | See the page of DIMENSIONS | | | | |
| ENGINE (Electric Motor):<br>Model<br>No. of cylinders-<br>bore × stroke<br>Piston displacement | <br>mm<br>(in)<br>ltr. (cu.in) | KOMATSU<br>2 × SDA12V159E-2<br>12-159 × 159<br>(6.26 × 6.26)<br>2 × 37.5 (2288) | 2 × ABB (6.6 kV)<br>AMA450L4A | KOMATSU<br>2 × SDA16V160E-2<br>16-159 × 190<br>(6.26 × 7.48)<br>2 × 60.2 (3673) | ABB (6.6 kV)<br>2 × AMA500L4A |
| HYDRAULIC SYSTEM:<br>Hydraulic pump<br>Max. oil flow<br>Max. oil pressure (Implement) | <br>ltr. (U.S. Gal)/min.<br>$kg/cm^2$ (PSI) | 6 × Variable<br>Piston<br>4200 (1110)<br>316 (4495) | 6 × Variable<br>Piston<br>4200 (1110)<br>316 (4495) | 8 × Variable<br>Piston<br>8280 (2188)<br>316 (4495) | 8 × Variable<br>Piston<br>8280 (2188)<br>316 (4495) |
| TRACK SHOES:<br>Width/ground pressure | mm (in)/<br>$kg/cm^2$ (PSI) | 1350 (53)/<br>2.40 (34.1) | 1350 (53)/<br>2.37 (33.7) | 1500 (59)/<br>2.75 (39.1) | 1500 (59)/<br>2.68 (38.1) |
| CAPACITY (Refilled):<br>Fuel tank<br>Hydraulic oil tank | ltr. (U.S. Gal) | 10800 (2853)<br>3800 (1004) | —<br>3800 (1004) | 13500 (3567)<br>8350 (2205) | —<br>8350 (2205) |
| MACHINE SPEC:<br>Boom<br>Arm<br>Bucket | <br>mm (ft.in)<br>mm (ft.in)<br>$m^3$ (cu.yd) | <br>7600 (24'11")<br>5600 (18'4")<br>29.0 (37.9) | <br>7600 (24'11")<br>5600 (18'4")<br>29.0 (37.9) | <br>8150 (26'9")<br>5750 (18'10")<br>42.0 (55) | <br>8150 (26'9")<br>5750 (18'10")<br>42.0 (55) |

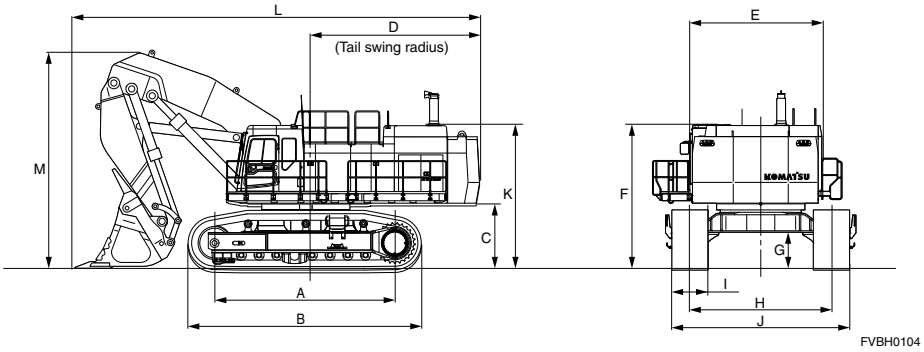
* Operating weight includes coolant, lubricants, full fuel tank, operator 80 kg (180 lb) and, indicated implement and shoes.



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| | A mm (ft.in) | B mm (ft.in) | C mm (ft.in) | D mm (ft.in) | E mm (ft.in) | F mm (ft.in) | G mm (ft.in) | H mm (ft.in) | I mm (ft.in) | J mm (ft.in) | K mm (ft.in) | L mm (ft.in) | M mm (ft.in) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PC400-8** | 4020 (13'2") | 5055 (16'7") | 1320 (4'4") | 3645 (12'0") | 3090 (10'2") | 3285 (10'9") | 555 (1'10") | 2740 (9') | 600 (24") | 3340 (11') | 2920 (9'7") | 8455 (27'9") | 4400 (14'5") |
| **PC400-8R** | | | | | | | | | | | | | |
| **PC400-8*** ** | | | | | | | 685 (2'3") | 2890 (9'6") | | 3490 (11'5") | | | |
| **PC400-8R*** ** | | | | | | | | | | 2990** (9'10") | | | |
| **PC400LC-8** | 4350 (14'3") | 5385 (17'8") | 1320 (4'4") | 3645 (12'0") | 3090 (10'2") | 3285 (10'9") | 550 (1'10") | 2740 (9') | 700 (28") | 3440 (11'3") | 2920 (9'7") | 8455 (27'9") | 4400 (14'5") |
| **PC400LC-8*** ** | | | | | | | 685 (2'3") | 2890 (9'6") | | 3590 (11'9") | | | |
| | | | | | | | | | | 3090** (10'2") | | | |
| **PC400-7** | 4020 (13'2") | 5055 (16'7") | 1320 (4'4") | 3645 (12'0") | 2995 (9'10") | 3265 (10'9") | 555 (1'10") | 2740 (9') | 600 (24") | 3340 (11') | 2715 (8'11") | 8455 (27'9") | 4400 (14'5") |
| **PC400-7*** ** | | | | | | | 685 (2'3") | 2890 (9'6") | | 3490 (11'5") | | | |
| | | | | | | | | | | 2990** (9'10") | | | |
| **PC400LC-7** | 4350 (14'3") | 5385 (17'8") | 1320 (4'4") | 3645 (12'0") | 2995 (9'10") | 3265 (10'9") | 550 (1'10") | 2740 (9') | 700 (28") | 3440 (11'3") | 2715 (8'11") | 8455 (27'9") | 4400 (14'5") |
| **PC400LC-7*** ** | | | | | | | 685 (2'3") | 2890 (9'6") | | 3590 (11'9") | | | |
| | | | | | | | | | | 3090** (10'2") | | | |
| **PC600-7** | 4250 (13'11") | 5370 (17'7") | 1370 (4'6") | 3675 (12'1") | 3170 (10'5") | 3295 (10'10") | 790 (2'7") | 3300 (10'10") | 600 (24") | 3900 (12'10") | 3075 (10'1") | 8815 (28'11") | 5540 (18'2") |
| **PC600LC-7** | 4600 (15'1") | 5690 (18'8") | | | | | | | | | | | |
| **PC600-8E0 PC600-8R1** | 4250 (13'11") | 5360 (17'7") | 1365 (4'6") | 3950 (13'0") | | 3290 (10'9") | 780 (2'7") | | | 3900 (12'10") 3190** (10'6") | | 8965 (29'5") | 5530 (18'2") |
| **PC600LC-8E0 PC600LC-8R1** | 4600 (15'1") | 5710 (18'9") | | | | | | | | | | | |
| **PC750-7** | 4500 (14'9") | 5810 (19'1") | 1560 (5'1") | 4245 (13'11") | 3195 (10'6") | 3560 (11'8") | 840 (2'9") | 3500 (11'6") | 610 (24") | 4110 (13'6") | 3445 (11'4") | 9865 (32'4") | 5640 (18'6") |
| | | | | | | | | 2780** (9'1") | | 3390** (11'1") | | | |
| **PC800-8E0 PC800-8R1** | 4500 (14'9") | 5810 (19'1") | 1560 (5'1") | 4400 (14'5") | 3195 (10'6") | 3570 (11'9") | 840 (2'9") | 3500 (11'6") | 610 (24") | 4110 (13'6") | 3670 (12') | 10075 (33'1") | 5790 (19'0") |
| | | | | | | | | | | 3390** (11'1") | | | |
| **PC1250-7** | 4995 (16'5") | 6425 (21'1") | 1790 (5'10") | 4810 (15'9") | 3470 (11'5") | 4120 (13'6") | 990 (3'3") | 3900 (12'10") | 700 (28") | 4600 (15'1") | 3925 (12'11") | 10940 (35'11") | 6200 (20'4") |
| **PC1250-8 PC1250-8R** | 4995 (16'5") | 6425 (21'1") | 1790 (5'10") | 4870 (16'0") | 3470 (11'5") | 4120 (13'6") | 990 (3'3") | 3900 (12'10") | 700 (28") | 4600 (15'1") | 4075 (13'4") | 10940 (35'11") | 6200 (20'4") |
| **PC2000-8** | 5780 (19') | 7445 (24'5") | 2095 (6'10") | 5980 (19'7") | 7490 (24'7") | 7030 (23'1") | 825 (2'8") | 4600 (15'1") | 810 (32") | 5410 (17'9") | 5970 (19'7") | 13075 (42'11") | 8180 (26'10") |

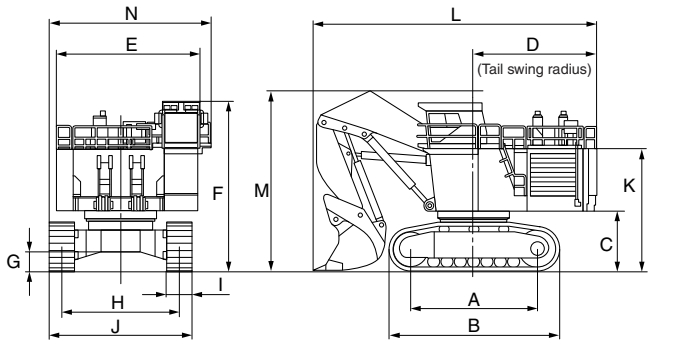
** When retracted
*** Variable gauge



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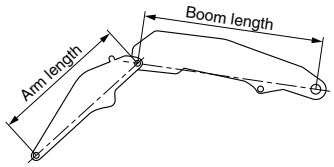
| | A mm (ft.in) | B mm (ft.in) | C mm (ft.in) | D mm (ft.in) | E mm (ft.in) | F mm (ft.in) | G mm (ft.in) | H mm (ft.in) | I mm (ft.in) | J mm (ft.in) | K mm (ft.in) | L mm (ft.in) | M mm (ft.in) | N mm (ft.in) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PC3000-6**<br>**PC3000E-6** | 6000<br>(19'8") | 7930<br>(25'11") | 2670<br>(8'9") | 6410<br>(21'0") | 6070<br>(19'11") | 7455<br>(24'6") | 935<br>(3'1") | 4800<br>(15'9") | 800<br>(31'5") | 5600<br>(18'4") | 5255<br>(17'3") | 13700<br>(44'11") | 8000<br>(26'3") | 6800<br>(22'4") |
| **PC4000-6**<br>**PC4000E-6** | 6700<br>(22'0") | 8842<br>(29'0") | 3017<br>(9'11") | 6500<br>(21'4") | 7399<br>(24'3") | 8300<br>(27'3") | 930<br>(3'1") | 5550<br>(18'3") | 1200<br>(47") | 6750<br>(22'2") | 6102<br>(20'0") | 14300<br>(46'11") | 9000<br>(29'6") | 8300<br>(27'3") |
| **PC5500-6**<br>**PC5500E-6** | 7424<br>(24'4") | 9720<br>(31'11") | 3310<br>(10'10") | 7550<br>(24'9") | 7270<br>(23'10") | 8610<br>(28'3") | 995<br>(3'3") | 6190<br>(20'4") | 1350<br>(53") | 7540<br>(24'9") | 6410<br>(21'0") | 16800<br>(55'1") | 10500<br>(34'5") | 7900<br>(25'11") |
| **PC8000-6**<br>**PC8000E-6** | 8100<br>(26'7") | 10735<br>(35'3") | 3615<br>(11'10") | 8710<br>(28'7") | 8300<br>(27'3") | 9655<br>(31'8") | 1065<br>(3'6") | 6830<br>(22'5") | 1500<br>(59") | 8330<br>(27'4") | 7115<br>(23'4") | 18650<br>(61'2") | 11000<br>(36'1") | 10010<br>(32'10") |

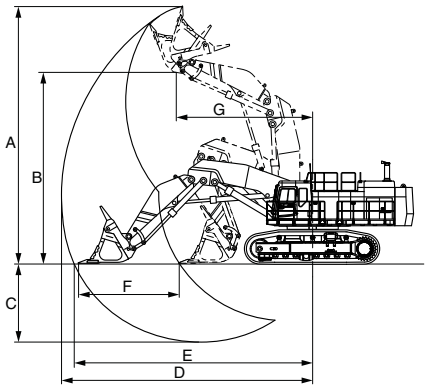


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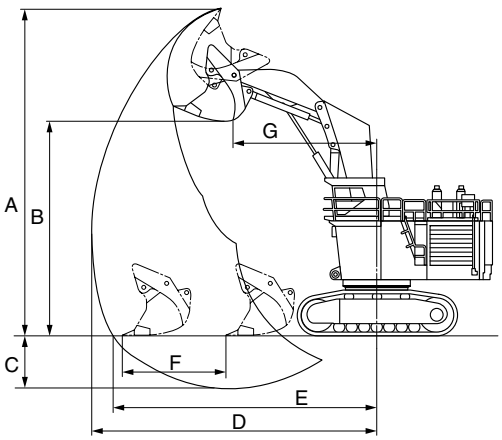





FVBH0105

| | Boom length m (ft.in) | Arm length m (ft.in) | A mm (ft.in) | B mm (ft.in) | C mm (ft.in) | D mm (ft.in) | E mm (ft.in) | F mm (ft.in) | G mm (ft.in) | Breakout force kg (lb/kN) | Arm crowd force kg (lb/kN) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **PC400-7<br>PC400-8<br>PC400-8R<br>PC400LC-7<br>PC400LC-8<br>PC400LC-8R** | 4.0 (13'1") | 2.9 (9'6") | 10190 (33'5") | 7190 (23'7") | 3045 (10') | 8660 (28'5") | 8375 (27'6") | 3430 (11'3") | 3805 (12'6") | 27500 (60,630/270) | 29100 (64,150/285) |
| **PC600-7<br>PC600LC-7<br>PC600-8E0<br>PC600-8R1<br>PC600LC-8E0<br>PC600LC-8R1** | 4.0 (13'1") | 3.0 (9'10") | 10090 (33'1") | 6705 (22'0") | 3495 (11'6") | 9190 (30'2") | 8850 (29'0") | 3275 (10'9") | 4460 (14'8") | 39400 (86,860/386) | 34500 (76,060/338) |
| **PC750-7<br>PC800-8E0<br>PC800-8R1** | 4.60 (15'1") | 3.40 (11'2") | 10800 (35'5") | 7260 (23'10") | 3605 (11'10") | 10370 (34'0") | 9990 (32'9") | 3865 (12'8") | 5870 (19'3") | 48600 (107,140/477) | 41200 (90,830/404) |
| **PC1250-7<br>PC1250-8<br>PC1250-8R** | 5.3 (17'5") | 3.8 (12'6") | 12330 (40'5") | 8700 (28'7") | 3650 (12'0") | 11400 (37'5") | 10900 (35'9") | 4480 (14'8") | 6760 (22'2") | 59000 (130,070/579) | 62000 (136,690/608) |
| **PC2000-8** | 5.95 (19'6") | 4.45 (14'7") | 14450 (47'5") | 9665 (31'9") | 3190 (10'6") | 13170 (43'3") | 11940 (39'2") | 4850 (15'11") | 7500 (24'7") | 73500 (162,070/721) | 77000 (169,800/755) |




FVBH0109

| | Boom length m (ft.in) | Arm length m (ft.in) | A mm (ft.in) | B mm (ft.in) | C mm (ft.in) | D mm (ft.in) | E mm (ft.in) | F mm (ft.in) | G mm (ft.in) | Breakout force* ton (US ton/kN) | Arm crowd force* ton (US ton/kN) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **PC3000-6<br>PC3000E-6** | 6.0 (19'8") | 4.3 (14'1") | 15100 (49'7") | 10900 (35'9") | 3300 (10'10") | 13300 (43'8") | 12680 (41'7") | 4700 (15'5") | 7460 (24'6") | 102 (112.4/1000) | 112 (123.5/1100) |
| **PC4000-6<br>PC4000E-6** | 7.15 (23'6") | 4.9 (16'1") | 17400 (57'1") | 11500 (37'9") | 2900 (9'6") | 15100 (49'7") | 13920 (45'8") | 5700 (18'8") | 9000 (29'6") | 127.4 (140.4/1250) | 135.6 (149.5/1330) |
| **PC5500-6<br>PC5500E-6** | 7.6 (24'11") | 5.6 (18'4") | 19500 (64'0") | 13000 (42'8") | 2700 (8'10") | 16500 (54'2") | 15000 (49'3") | 5600 (18'4") | 9210 (30'3") | 190.1 (209.5/1865) | 190.6 (210/1870) |
| **PC8000-6<br>PC8000E-6** | 8.15 (26'9") | 5.75 (18'10") | 29000 (95'2") | 13600 (44'7") | 3000 (9'10") | 17800 (58'5") | 16370 (53'9") | 5900 (19'4") | 9960 (32'8") | 236.5 (260.7/2320) | 236.5 (260.7/2320) |

* DIN rating



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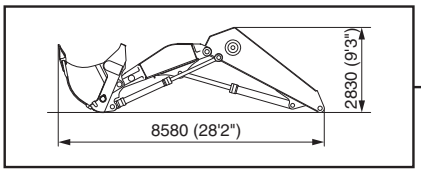
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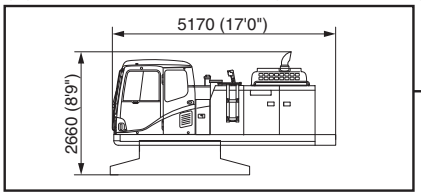
## PC600-8E0/PC600LC-8E0, PC600-8R1/PC600LC-8R1

**Four-part structure**

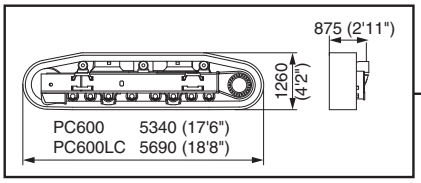
(1) Work equipment ass'y (L/S) 16.5t (18.2 U.S. ton)
Width 2090 mm (6'10")



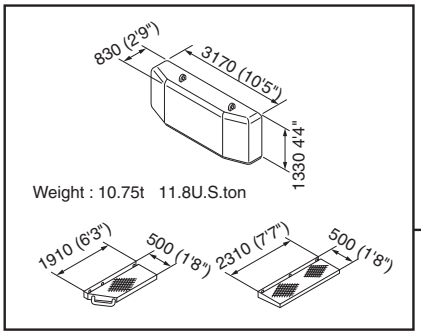

(2) Upper structure 18.4t (20.3 U.S. ton)




(3) Undercarriage
PC600-8E0(R1) 16.0t (17.6 U.S. ton)
PC600LC-8E0(R1) 17.0t (18.7 U.S. ton)




(4) Other 12.3t (13.6 U.S. ton)



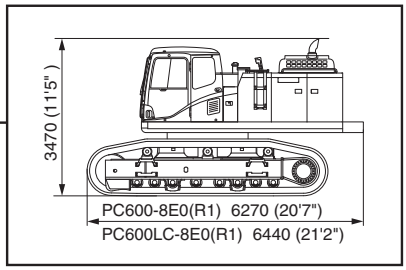

***

**Three-part strucure**

(1)

Work equipment ass'y

(5) Base machine
PC600-8E0(R1) 34.4t (37.9 U.S. ton)
PC600LC-8E0(R1) 35.4t (39.0 U.S. ton)




(4)

Other



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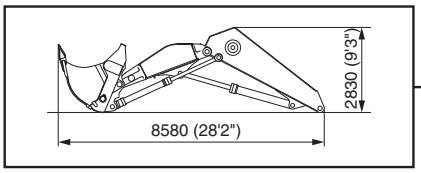
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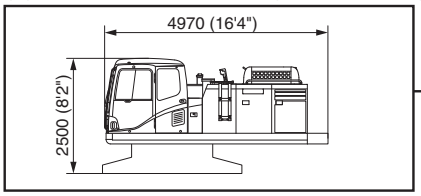
## PC600-7/PC600LC-7

**Four-part structure**

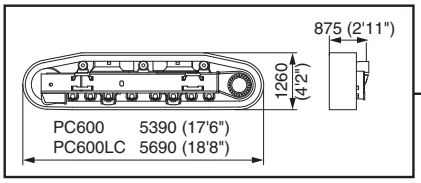
(1) Work equipment ass'y (L/S) 16.2t (17.9 U.S. ton)
Width 2090 mm (6'10")



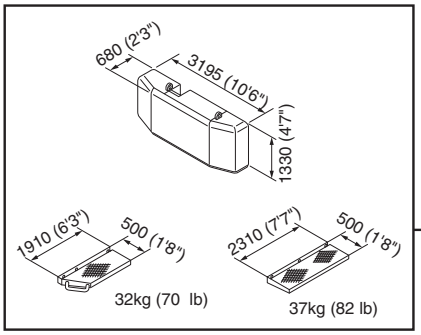

(2) Upper structure 16.8t (18.5 U.S. ton)




(3) Undercarriage
PC600-7 16.4t (18.1 U.S. ton)
PC600LC-7 17.4t (19.2 U.S. ton)




(4) Other 11.0t (12.1 U.S. ton)

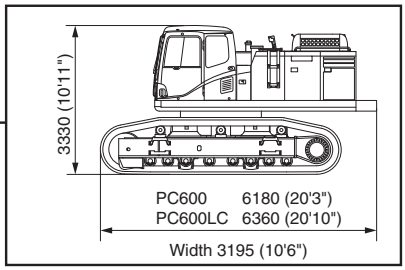



**Three-part strucure**

(1)

Work equipment ass'y

(5) Base machine
PC600-7 33.9t (37.4 U.S. ton)
PC600LC-7 35.0t (38.6 U.S. ton)




(4)

Other



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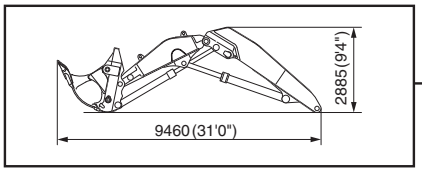
www.CarGeek.ir



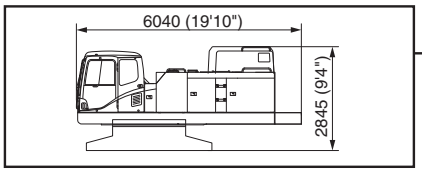
## PC800-8E0, PC800-8R1

**Four-part structure**

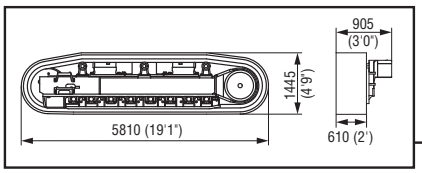
(1) Work equipment ass'y (L/S) 19.6t (21.6 U.S. ton)



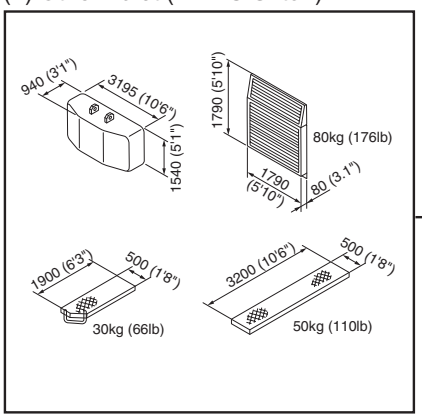

(2) Upper structure 26.3t (29.0 U.S. ton)




(3) Undercarriage 20.8t (22.9 U.S. ton)




(4) Other 10.3t (11.4 U.S. ton)

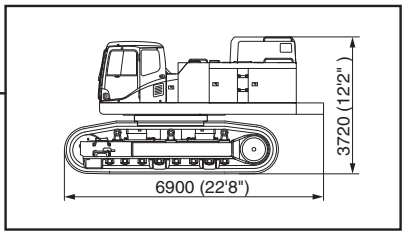



**Three-part strucure**

(1)

Work equipment ass'y

(5) Base machine 47.4t (52.2 U.S. ton)




(4)

Other

* KOMTRAX (optional) with an antenna when mounted.



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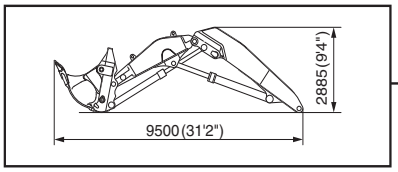
www.CarGeek.ir



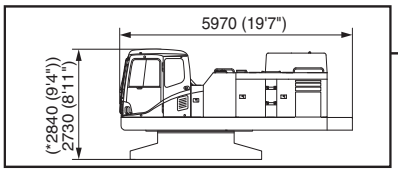
## PC750-7

**Four-part structure**

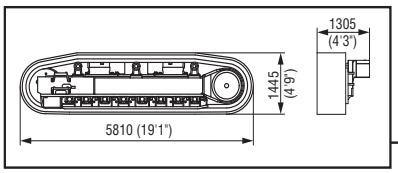
(1) Work equipment ass'y (L/S) 18.7t (20.6 U.S. ton)



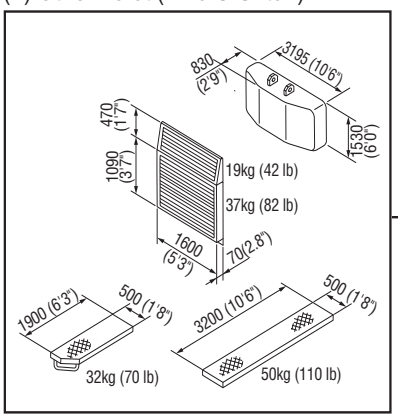

(2) Upper structure 24.8t (27.3 U.S. ton)




(3) Undercarriage 21.5t (23.7 U.S. ton)




(4) Other 10.0t (11.0 U.S. ton)

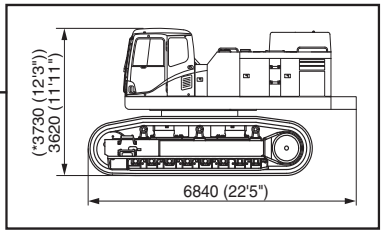



**Three-part strucure**

(1)

Work equipment ass'y

(5) Base machine 45.5t (50.2 U.S. ton)




(4)

Other

* KOMTRAX (optional) with an antenna when mounted.



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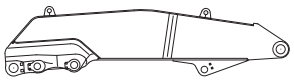
## PC1250-8, PC1250-8R

Posture for Transportation
(lenght X height X width) (1/2)

4 units for transportation (PC1250-8 STD spec.)

(1) Work equipment assembly 27.5t (30.3 U.S. ton)

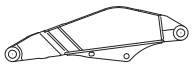
Boom



7.1t 5650x1500x2000
(7.8USt) (18'6")x(4'11")x(6'7")

FVBH0190

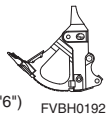
Arm



5.1t 4100x1300x1200
(5.6USt) (13'5")x(4'3")x(3'11")

FVBH0191

Bucket

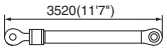


9.9t (10.9USt)
3010x2710x2900
(9'11")x(8'11")x(9'6")

FVBH0192

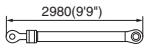
Boom cylinder

2.6t (2.87USt)
1.3t x2 (1.43USt x2)



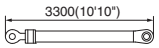

Arm cylinder

1.24t (1.43USt)
0.62t x2 (0.67USt x2)



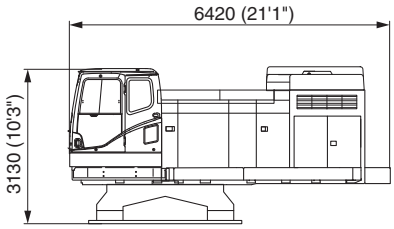

Bucket cylinder

1.56t (1.72USt)
0.78t x2 (0.86USt x2)



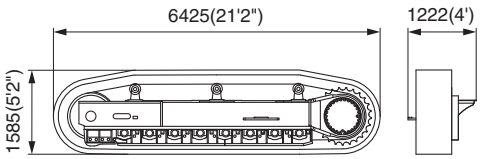

FVBH0193

(2) Upper structure 36.4t (40.1 U.S. ton)



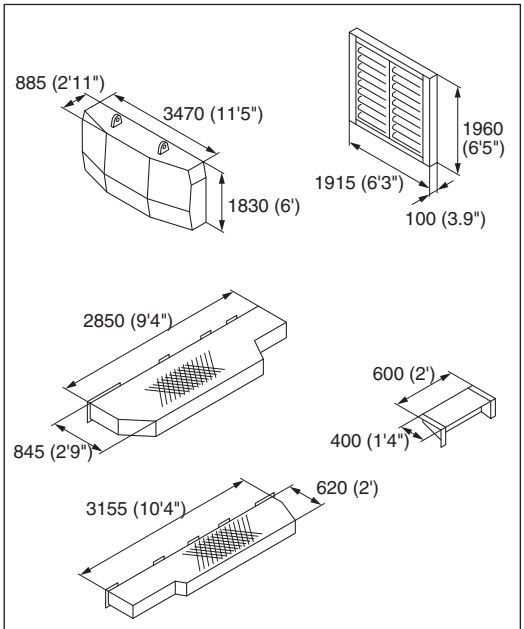

Width : 3490 (11'5")

(3) Undercarriage 30.0t (33.1 U.S. ton)




FVBH0195

(4) Other 18.4t (20.3 U.S. ton)




FVBH0180



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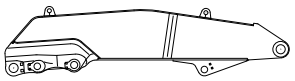
## PC1250-7

Posture for Transportation
(lenght X height X width) (1/2)

4 units for transportation (PC1250-7 STD spec.)

### (1) Work equipment assembly 27.5t (30.3 U.S. ton)

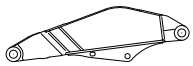
Boom



7.1t 5650x1500x2000
(7.8USt) (18'6")x(4'11")x(6'7")

FVBH0190

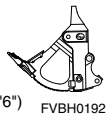
Arm



5.1t 4100x1300x1200
(5.6USt) (13'5")x(4'3")x(3'11")

FVBH0191

Bucket

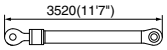


9.9t (10.9USt)
3010x2710x2900
(9'11")x(8'11")x(9'6")

FVBH0192

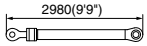
Boom cylinder

2.6t (2.87USt)
1.3t x2 (1.43USt x2)



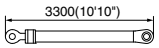

Arm cylinder

1.24t (1.43USt)
0.62t x2 (0.67USt x2)



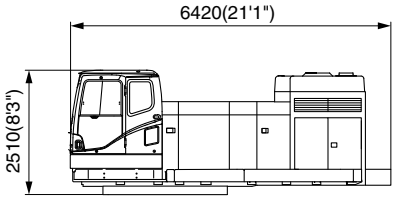

Bucket cylinder

1.56t (1.72USt)
0.78t x2 (0.86USt x2)




FVBH0193

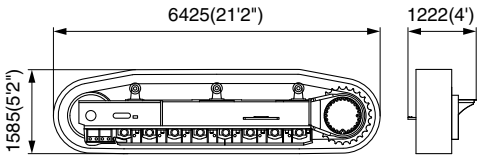
### (2) Upper structure 23.9t (26.3 U.S. ton)




Width:3490 (11'9")
Weight:23.9t (26.3USt)

FVBH0178

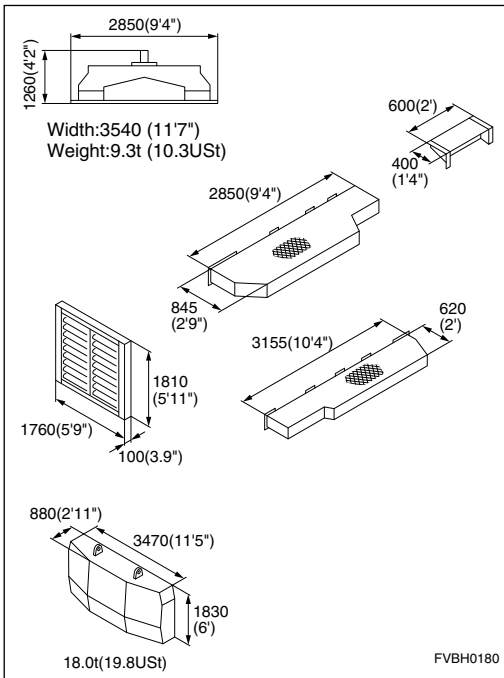
### (3) Undercarriage 30.0t (33.1 U.S. ton)




Weight
PC1250:30.0t (33.1USt)
15.0t x2(16.5 x2USt)

FVBH0195

### (4) Other 27.7t (30.5 U.S. ton)




FVBH0180

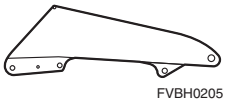
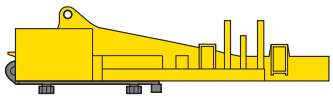
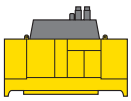
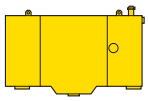
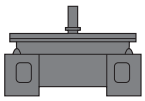
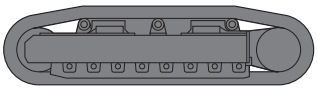
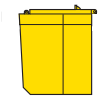


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## PC2000-8

| Unit name / Dimension | Length mm (ft.in.) | Width mm (ft.in.) | Height mm (ft.in.) | Weight ton (U.S. ton) |
|---|---|---|---|---|
| 1. Boom  FVBH0205 | 6400 (21'0") | 1740 (5'9") | 2000 (6'7") | 11.8 (13.0) |
| 2. Arm  FVBH0206 | 4900 (16'1") | 1450 (4'9") | 1700 (5'7") | 9.5 (10.5) |
| 3. Bucket  | 3350 (11'0") | 3190 (10'6") | 2920 (9'7") | 14.4 (15.9) |
| 4. Revolving frame  | 7575 (24'10") | 3180 (10'5") | 2640 (8'8") | 26.5 (29.2) |
| 5. Power module  | 2515 (17'1") | 2455 (8'1") | 3195 (10'6") | 16.1 (17.7) |
| 6. Fuel tank  | 3100 (10'2") | 875 (2'10") | 2070 (6'10") | 2.4 (2.65) |
| 7. Center frame  | 3815 (12'6") | 3190 (10'6") | 2210 (7'3") | 18.0 (19.8) |
| 8. Undercarriage  | 7435 (24'5") | 1720 (5'8") | 1920 (6'4") | 26.0 × 2 (28.1 × 2) |
| 9. Cab base  | 3660 (12'0") | 2505 (8'3") | 2700 (8'10") | 2.5 (2.8) |
| 10. Operator cab  | 2885 (9'6") | 1880 (6'2") | 2520 (8'3") | 1.8 (1.98) |
| 11. Counterweight  | 6420 (21'1") | 1115 (3'8") | 1505 (4'11") | 24.5 (27.0) |
| 12. Hydraulic tank  | 1860 (6'1") | 1115 (3'8") | 2125 (7'0") | 3.5 (3.86) |
| 13. Cylinders and Others | | | | 12.5 (13.8) |

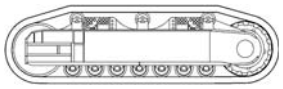
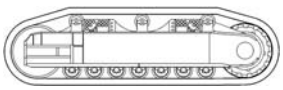
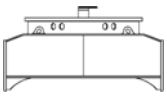
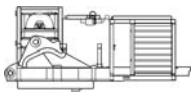
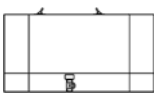
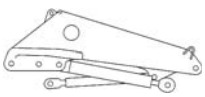
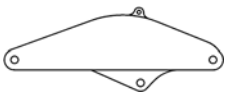


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## PC3000-6

| Unit name / Dimension | Length mm (ft.in.) | Width mm (ft.in.) | Height mm (ft.in.) | Weight ton (U.S. ton) |
|---|---|---|---|---|
| Left Crawler Side Frame with 800 mm (31.5") Tracks  | 7930 (26'0") | 1600 (5'3") | 2210 (7'3") | 31.9 (35.2) |
| Right Crawler Side Frame with 800 mm (31.5") Tracks  | 7930 (26'0") | 1600 (5'3") | 2210 (7'3") | 31.9 (35.2) |
| Carbody with Rotary Joint  | 4020 (13'2") | 3610 (11'10") | 2180 (7'2") | 19.5 (21.5) |
| Superstructure Platform with Machine House incl. 1 Diesel Engine, Hydraulic Tank and Hydraulic Cooler  | 7950* (26'1") | 5250* (17'3") | 3600* (11'10") | 70* (77.2) |
| Counterweight  | 5060 (16'7") | 1000 (3'3") | 2850 (9'4") | 30.5 (33.6) |
| Fuel Tank  | 2250 (7'5") | 1650 (5'5") | 2800 (9'2") | 2.3 (2.5) |
| Cab Base  | 2520 (8'3") | 2300 (7'7") | 2800 (9'2") | 3.25 (3.6) |
| Boom 6 m (19'8") with 4 cylinders  | 6450 (21'2") | 2130 (7'0") | 2800 (9'2") | 26.3 (29.0) |
| Arm 4.3 m (14'1")  | 4740 (15'7") | 1600 (5'3") | 1800 (5'11") | 9.25 (10.2) |
| Front Shovel Bucket 15 $m^3$ (19.0 cu.yd) incl. Standard Wear Package WP 3  | 4110** (13'6") | 3790 (12'5") | 3420** (11'3") | 24.1** (26.6) |
| Front Shovel Backwall incl. Standard Wear Package WP 3  | | 3610 (11'10") | | 10.2 (11.2) |
| Case with Accessories | 3500 (11'6") | 2400 (7'10") | 3150 (10'4") | 4 (4.4) |
| Case with Accessories | 5800 (19'0") | 2400 (7'10") | 2100 (6'11") | 5.7 (6.3) |
| Case with Accessories | 4900 (16'1") | 1300 (4'3") | 1520 (5'0") | 7 (7.7) |

* including Superstructure, Hydraulic Tank and Hydraulic Cooler
** for the complete bucket

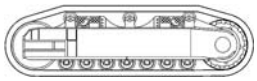
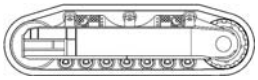
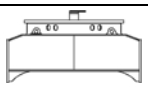
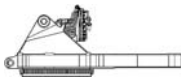
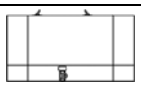
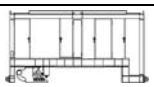
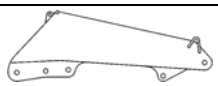
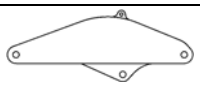
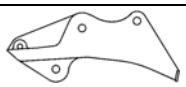


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## PC4000-6

| Unit name / Dimension | Length mm (ft.in.) | Width mm (ft.in.) | Height mm (ft.in.) | Weight ton (U.S. ton) |
|---|---|---|---|---|
| Left Crawler Side Frame with 1200 mm (47") Tracks  | 8850 (29'0") | 1600 (5'3") | 2500 (8'2") | 58.0 (63.9) |
| Right Crawler Side Frame with 1200 mm (47") Tracks  | 8850 (29'0") | 1600 (5'3") | 2500 (8'2") | 58.0 (63.9) |
| Carbody with Rotary Joint  | 4670 (15'4") | 4070 (13'4") | 2270 (7'5") | 30.1 (33.2) |
| Superstructure Platform  | 8430 (27'8") | 4435 (14'7") | 3930 (12'11") | 50.3 (55.4) |
| Counterweight  | 6100 (20'0") | 950 (3'1") | 3320 (10'11") | 37 (40.8) |
| Main Machinery House incl. 1 Engine  | 6500 (21'4") | 2750 (9'0") | 3250 (10'8") | 30.4 (33.5) |
| Fuel Tank  | 2390 (7'10") | 2060 (6'9") | 3280 (10'9") | 3.5 (3.9) |
| Hydraulic Tank  | 2400 (7'10") | 1370 (4'6") | 3270 (10'9") | 3.4 (3.7) |
| Cab Base  | 2400 (7'10") | 2060 (6'9") | 3020 (9'11") | 3.8 (4.2) |
| Boom 7.15 m (23'6")  | 7700 (25'3") | 2300 (7'7") | 2800 (9'2") | 23.6 (26.0) |
| Arm 4.9 m (16'1")  | 5400 (17'9") | 2000 (6'7") | 2100 (6'11") | 14.9 (16.4) |
| Front Shovel Clam 22 $m^3$ (28.8 cu.yd) incl. Standard Wear Package WP 3  | 3700 (12'2") | 4170 (13'8") | 3600 (11'10") | 19.4 (21.4) |
| Front Shovel Backwall 22 $m^3$ (28.8 cu.yd) incl. Standard Wear Package WP 3  | 4100** (13'5") | 4000 (13'1") | 1600 (5'3") | 15.5 (17.1) |
| Case with Oil Cooler | 5770 (18'11") | 2490 (8'2") | 1980 (6'6") | 3.4 (3.7) |
| Case with Driver's Cab and with intermediate base | 3890 (12'9") | 3290 (10'10") | 3280 (10'9") | 5 (5.5) |
| Case with Boom Cylinders | 5870 (19'3") | 1290 (4'3") | 1480 (4'10") | 8.2 (9.0) |
| Case with Stick Cylinders | 4870 (16'0") | 1090 (3'7") | 1280 (4'2") | 6.1 (6.7) |
| Case with Accessories | 5770 (18'11") | 2490 (8'2") | 1980 (6'6") | 4 (4.4) |
| Case with Accessories | 4870 (16'0") | 1090 (3'7") | 1280 (4'2") | 6 (6.6) |

** for the complete bucket

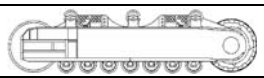
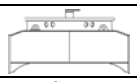
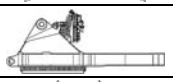
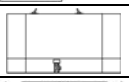
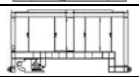
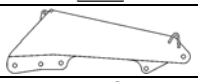
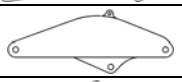


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## PC5500-6

| Unit name / Dimension | Length mm (ft.in.) | Width mm (ft.in.) | Height mm (ft.in.) | Weight ton (U.S. ton) |
|---|---|---|---|---|
| Left Crawler Side Frame without Tracks  | 9300 (30'6") | 1500 (4'11") | 2300 (7'7") | 40 (44) |
| Right Crawler Side Frame without Tracks  | 9300 (30'6") | 1500 (4'11") | 2300 (7'7") | 40 (44) |
| 6 × 1 Chain with 12 Track Shoes 1350 mm (53") each 8.55 t (9.4 US ton)  | 6000 (19'8") | 1350 (4'5") | 400 (1'4") | 51.3 (56.5) |
| 2 × 1 Chain with 10 Track Shoes 1350 mm (53") each 7.1 t (7.3 US ton)  | 5050 (16'7") | 1350 (4'5") | 400 (1'4") | 14.2 (15.7) |
| Carbody with Rotary Joint  | 5130 (16'10") | 4690 (15'5") | 2380 (7'10") | 45 (49.6) |
| Superstructure Platform  | 9650 (31'7") | 4510 (14'10") | 4400 (14'5") | 85 (93.6) |
| Counterweight  | 6600 (21'8") | 1140 (3'9") | 3320 (10'11") | 42 (46.3) |
| Main Machinery House incl. 2 Diesel Engines  | 7100 (23'4") | 4050 (13'3") | 3300 (10'10") | 40.5 (51.0) |
| Fuel Tank  | 2800 (9'2") | 2250 (7'5") | 3300 (10'10") | 7.0 (7.7) |
| Hydraulic Tank  | 2390 (7'10") | 1300 (4'3") | 3300 (10'10") | 3.4 (3.7) |
| Cab Base  | 2200 (7'3") | 1950 (6'5") | 3050 (10'0") | 3.8 (4.2) |
| Boom 7.6 m (24'11")  | 8250 (27'1") | 2530 (8'4") | 3000 (9'10") | 35.0 (38.6) |
| Arm 5.6 m (18'4")  | 6300 (20'8") | 2340 (7'8") | 2300 (7'7") | 21.0 (23.0) |
| Front Shovel Clam 28 $m^3$ (36.6 cu.yd), incl. Standard Wear Package WP 3  | 4100 (13'5") | 4900 (16'1") | 3800 (12'6") | 28.5 (31.0) |
| Front Shovel Backwall 28 $m^3$ (36.6 cu.yd) incl. Standard Wear Package WP 3  | 4250 (13'11") | 4400 (14'5") | 1950 (6'4") | 23.0 (25.3) |
| Case with Oil Cooler | 4000 (13'1") | 2700 (8'10") | 2300 (7'7") | 5.4 (6.0) |
| Case with Driver's Cab and with Intermediate Base | 4000 (13'1") | 3300 (10'10") | 3200 (10'6") | 6.6 (7.3) |
| Case with 2 Gear Boxes | 5600 (18'4") | 2700 (8'10") | 2250 (7'5") | 16.6 (18.3) |
| Case with 2 Boom Cylinders | 6500 (21'4") | 1400 (4'7") | 1500 (4'11") | 12 (13.2) |
| Case with 2 Stick Cylinders | 5670 (18'7") | 1490 (4'11") | 1680 (5'6") | 9.2 (10.1) |
| Case with Accessories | 3600 (11'10") | 2500 (8'2") | 2550 (8'4") | 3.8 (4.2) |
| Case with Accessories | 5770 (18'11") | 2490 (8'2") | 1880 (6'2") | 4.6 (5.1) |

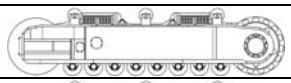
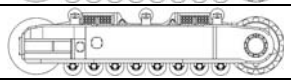
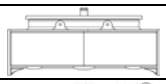
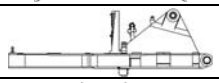
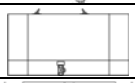
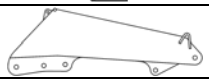
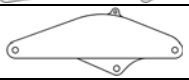
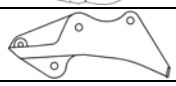


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## PC8000-6

| Unit name / Dimension | Length mm (ft.in.) | Width mm (ft.in.) | Height mm (ft.in.) | Weight ton (U.S. ton) |
|---|---|---|---|---|
| Left Crawler Side Frame without Tracks  | 10200 (33'6") | 1600 (5'2") | 2450 (8'0") | 55 (60.6) |
| Right Crawler Side Frame without Tracks  | 10200 (33'6") | 1600 (5'2") | 2450 (8'0") | 55 (60.6) |
| 9 × 1 Chain with 10 Track Shoes 1500 mm (59")  | 5040 (16'6") | 1500 (4'11") | 400 (1'4") | 91 (100.3) |
| 1 Chain with 8 Track Shoes 1500 mm (59")  | 4070 (13'4") | 1500 (4'11") | 400 (1'4") | 8.1 (8.9) |
| Carbody with Rotary Joint  | 5750 (18'10") | 5060 (16'7") | 2730 (8'11") | 59 (65.0) |
| Superstructure Platform  | 11300 (37'1") | 4750 (15'7") | 4000 (13'1") | 94 (103.6) |
| Counterweight  | 6800 (22'3") | 1250 (4'1") | 3900 (12'10") | 52.3 (57.7) |
| Main Machinery House incl. 2 Diesel Engines  | 8000 (26'3") | 5000 (16'5") | 3900 (12'10") | 62 (68.3) |
| Fuel Tank  | 3400 (11'1") | 1800 (5'11") | 3760 (12'4") | 5.6 (6.2) |
| Hydraulic Tank  | 2710 (8'11") | 1910 (6'3") | 3730 (12'3") | 7.3 (8.0) |
| Cab Base  | 2600 (8'6") | 2000 (6'6") | 3800 (12'5") | 5.4 (6.0) |
| Boom 8.15 m (26'9")  | 8800 (28'10") | 2900 (9'6") | 3400 (11'2") | 49.1 (54.1) |
| Arm 5.75 m (18'10")  | 6500 (21'3") | 2700 (8'9") | 2550 (8'4") | 26.0 (28.5) |
| Front Shovel Clam 42 $m^3$ (55 cu.yd), incl. Standard Wear Package WP 3  | 4600 (15'1") | 5670 (18'7") | 4300 (14'1") | 39.5 (43.5) |
| Front Shovel Backwall 42 $m^3$ (55 cu.yd), incl. Standard Wear Package WP 3  | 4800 (15'8") | 5200 (17'8") | 2350 (7'8") | 31.0 (34.1) |
| Case with Oil Cooler | 6500 (21'4") | 2700 (8'10") | 2500 (8'2") | 11.5 (12.7) |
| Case with Slew Ring | 4950 (16'3") | 4910 (16'1") | 1015 (3'4") | 21 (23.1) |
| Case with Cab | 4000 (13'1") | 3030 (9'11") | 3150 (10'4") | 7 (7.7) |
| 20' OT Container ( belong to shipper ) with Accessories | | | | 8.5 (9.4) |
| 20' OT Container ( belong to shipper ) with Accessories | | | | 13.4 (14.8) |
| 20' OT Container ( belong to shipper ) with Accessories | | | | 20.3 (22.4) |
| 40' OT Container ( belong to shipper ) with Accessories | | | | 24.3 (26.8) |



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| | Shoe type | Shoe width mm (in) | Ground contact area $cm^2$ (sq.in) | Ground pressure kg/ $cm^2$ (PSI) | Change in operating weight kg (lb) | Boom Arm Bucket |
|---|---|---|---|---|---|---|
| **PC400-7 PC400-8 PC400-8R** | Triple-grouser | 600 (24")* | 52090 (8074) | 0.83 (11.8) | ±0 | : 4.0 m (13'1") |
| | | 700 (28") | 60770 (9419) | 0.72 (10.2) | +420 (926) | : 2.9 m (9'6") |
| | | 800 (31.5") | 69450 (10765) | 0.63 (8.95) | +850 (1874) | : 2.6 $m^3$ (3.4 cu.yd) |
| **PC400LC-7 PC400LC-8 PC400LC-8R** | Triple-grouser | 600 (24") | 56050 (8638) | 0.78 (11.1) | –450 (992) | : 4.0 m (13'1") |
| | | 700 (28")* | 65390 (10135) | 0.68 (9.7) | ±0 | : 2.9 m (9'6") |
| | | 800 (31.5") | 74730 (11583) | 0.60 (8.53) | +450 (992) | : 2.6 $m^3$ (3.4 cu.yd) |
| **PC600-7** | Triple-grouser | 600 (24")* | 55240 (8562) | 1.11 (15.8) | ±0 | : 4.0 m (13'1") |
| | | 750 (29.5") | 69090 (10709) | 0.90 (12.8) | +820 (1808) | : 3.0 m (9'10") |
| | | | | | | : 4.0 $m^3$ (5.2 cu.yd) |
| **PC600LC-7** | Triple-grouser | 600 (24")* | 59440 (9213) | 1.05 (14.9) | ±0 | : 4.0 m (13'1") |
| | | 750 (29.5") | 74300 (11517) | 0.85 (12.1) | +880 (1940) | : 3.0 m (9'10") |
| | | | | | | : 4.0 $m^3$ (5.2 cu.yd) |
| **PC600-8E0 PC600-8R1** | Double-grouser | 600 (24")* | 55240 (8562) | 1.14 (16.2) | ±0 | : 4.0 m (13'1") |
| | | | | | | : 3.0 m (9'10") |
| | | | | | | : 4.0 $m^3$ (5.2 cu.yd) |
| **PC600LC-8E0 PC600LC-8R1** | Double-grouser | 600 (24")* | 59440 (9213) | 1.08 (15.4) | ±0 | : 4.0 m (13'1") |
| | | | | | | : 3.0 m (9'10") |
| | | | | | | : 4.0 $m^3$ (5.2 cu.yd) |
| **PC750-7** | Double-grouser | 610 (24")* | 60170 (9326) | 1.26 (17.9) | ±0 | : 4.6 m (15'1") |
| | | 710 (28") | 70030 (10855) | 1.10 (15.6) | +800 (1764) | : 3.4 m (11'2") |
| | | | | | | : 4.5 $m^3$ (5.9 cu.yd) |
| **PC800-8E0 PC800-8R1** | Double-grouser | 610 (24")* | 60170 (9326) | 1.28 (18.2) | ±0 | : 4.6 m (15'1") |
| | | | | | | : 3.4 m (11'2") |
| | | | | | | : 4.5 $m^3$ (5.9 cu.yd) |
| **PC1250-7** | Double-grouser | 700 (28")* | 76450 (11850) | 1.44 (20.5) | ±0 | : 5.3 m (17'5") |
| | | | | | | : 3.8 m (12'6") |
| | | | | | | : 6.5 $m^3$ (8.5 cu.yd) |
| **PC1250-8 PC1250-8R** | Double-grouser | 700 (28")* | 76450 (11850) | 1.45 (20.6) | ±0 | : 5.3 m (17'5") |
| | | | | | | : 3.8 m (12'6") |
| | | | | | | : 6.5 $m^3$ (8.5 cu.yd) |
| **PC2000-8** | Double-grouser | 810 (32")* | 103020 (15970) | 1.90 (27.0) | ±0 | : 5.95 m (19'6") |
| | | | | | | : 4.45 m (14'7") |
| | | | | | | : 11 $m^3$ (14.4 cu.yd) |
| **PC3000-6 (Diesel Drive)** | Double-grouser | 800 (31.4")* | 106696 (16538) | 2.34 (33.3) | ±0 | : 6 m (19'8") |
| | | 1000 (39.3") | 133370 (20672) | 1.93 (27.4) | +8590 (18940) | : 4.3 m (14'1") |
| | | 1200 (47.2") | 160044 (24807) | 1.63 (23.2) | +11700 (25790) | : 15 $m^3$ (19.6 cu.yd) |
| **PC4000-6 (Diesel Drive)** | Double-grouser | 1200 (47.2")* | 178793 (27713) | 2.17 (30.9) | ±0 | : 7.15 m (23'6") |
| | | 1500 (59") | 223491 (34641) | 1.76 (25.0) | +4870 (10740) | : 4.9 m (16'1") |
| | | | | | | : 22 $m^3$ (28.8 cu.yd) |
| **PC5500-6 (Diesel Drive)** | Double-grouser | 1350 (53")* | 222145 (34432) | 2.40 (34.1) | ±0 | : 7.6 m (24'11") |
| | | 1800 (71") | 296194 (45910) | 1.84 (26.2) | +13760 (30340) | : 5.6 m (18'4") |
| | | | | | | : 29 $m^3$ (37.9 cu.yd) |
| **PC8000-6 (Diesel Drive)** | Double-grouser | 1500 (59")* | 270668 (41954) | 2.75 (39.1) | ±0 | : 8.15 m (29'9") |
| | | 1900 (75") | 342846 (53141) | 2.21 (31.4) | +12870 (28370) | : 5.75 m (18'10") |
| | | | | | | : 42 $m^3$ (55 cu.yd) |

* Standard shoe

**NOTE:** The shoe for the long-track excavator (L and LC), wide shoe (excluding the narrowest shoe for a model) and swamp shoe are provided with low ground pressure. These shoes should be used on soft and swampy terrain where the standard excavator with standard shoe is not usable due to sinking of the tracks. If such shoes are used in swampy fields with stones, stumps and roots, bending of the shoe plates, cracks in the links, breakage of pins, loosening of shoe bolts and other damage may result. Therefore, the job site must be studied carefully, to provide the customer with correct instructions and advice.



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| | Shoe type | Shoe width mm (in) | Ground contact area $cm^2$ (sq.in) | Ground pressure kg/ $cm^2$ (PSI) | Change in operating weight kg (lb) | Boom Arm Bucket |
|---|---|---|---|---|---|---|
| **PC3000E-6 (Electric Drive)** | Double-grouser | 800 (31.4")* | 106696 (16538) | 2.35 (33.5) | ±0 | : 6 m (19'8") |
| | | 1000 (39.3") | 133370 (20672) | 1.95 (27.7) | +8590 (18940) | : 4.3 m (14'1") |
| | | 1200 (47.2") | 160044 (24807) | 1.62 (23.1) | +8800 (19400) | : 15 $m^3$ (19.6 cu.yd) |
| **PC4000E-6 (Electric Drive)** | Double-grouser | 1200 (47.2")* | 178793 (27713) | 2.12 (30.2) | ±0 | : 7.15 m (23'6") |
| | | 1500 (59") | 223491 (34641) | 1.72 (24.5) | +4910 (10820) | : 4.9 m (16'1") |
| | | | | | | : 22 $m^3$ (28.8 cu.yd) |
| **PC5500E-6 (Electric Drive)** | Double-grouser | 1350 (53")* | 222145 (34432) | 2.37 (33.7) | ±0 | : 7.6 m (24'11") |
| | | 1800 (71") | 296194 (45910) | 1.82 (25.9) | +13760 (30340) | : 5.6 m (18'4") |
| | | | | | | : 29 $m^3$ (37.9 cu.yd) |
| **PC8000E-6 (Electric Drive)** | Double-grouser | 1500 (59")* | 270668 (41954) | 2.71 (38.6) | ±0 | : 8.15 m (29'9") |
| | | 1900 (75") | 342846 (53141) | 2.12 (30.1) | +12870 (28370) | : 5.75 m (18'10") |
| | | | | | | : 42 $m^3$ (55 cu.yd) |

* Standard shoe

**NOTE:** The shoe for the long-track excavator (L and LC), wide shoe (excluding the narrowest shoe for a model) and swamp shoe are provided with low ground pressure. These shoes should be used on soft and swampy terrain where the standard excavator with standard shoe is not usable due to sinking of the tracks. If such shoes are used in swampy fields with stones, stumps and roots, bending of the shoe plates, cracks in the links, breakage of pins, loosening of shoe bolts and other damage may result. Therefore, the job site must be studied carefully, to provide the customer with correct instructions and advice.



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The bucket weight is heavier than the tilt-dump bucket. However, its characteristics of vertical dumping provide the following features

- Accurate loading is possible, because it is easy to position the bucket on the dumping point.
- Load spillage is less.
- Larger dumping clearance permits easier loading on the hauler.
- As it is possible to more closely position the bucket over the hauler's body, loading shock to the hauler can be minimized, extending the service life of the hauler.
- As a result of the above advantages, the cycle time is shortened.

| Model | Bucket | Capacity $m^3$ (cu.yd) | Width mm (in) | Weight kg (lb) | Dump type | Recommen-dation |
|---|---|---|---|---|---|---|
| **PC400-7<br>PC400LC-7<br>PC400-8<br>PC400-8R<br>PC400LC-8<br>PC400LC-8R** | Standard Bucket | 2.6 (3.4) | 1900 (74.8") | 3270 (7,210) | Bottom | ○ |
| **PC600-7<br>PC600LC-7<br>PC600-8E0<br>PC600-8R1<br>PC600LC-8E0<br>PC600LC-8R1** | Standard Bucket | 4.0 (5.2) | 2090 (82.3") | 5700 (12,570) | Bottom | ○ |
| **PC750-7<br>PC800-8E0<br>PC800-8R1** | Standard Bucket<br>Light-material Bucket | 4.5 (5.9)<br>5.1 (6.7) | 2320 (91.3")<br>2670 (105.1") | 5700 (12,570)<br>7360 (16,230) | Bottom<br>Bottom | ○<br>□ |
| **PC1250-7** | Standard Bucket | 6.5 (8.5) | 2680 (105.5") | 9700 (21,380) | Bottom | ○ |
| | Light material Bucket | 7.2 (9.4) | 2680 (105.5") | 9800 (21,600) | Bottom | □ |
| **PC1250-8<br>PC1250-8R** | Standard Bucket | 6.5 (8.5) | 2700 (106.3") | 9730 (21,450) | Bottom | ○ |
| | Light material Bucket | 7.2 (9.4) | 2680 (105.5") | 9800 (21,600) | Bottom | □ |
| **PC2000-8** | Standard Bucket | 11 (14.4) | 3220 (126.8") | 14400 (31,750) | Bottom | ○ |

Applications
○ : General digging and Loading
△ : Light material work (Specific gravity, 1.2 and less)
□ : Light material work (Specific gravity, 1.5 and less)
● : Heavy-duty work (Specific gravity, 1.5 ~ 2.0)

| Model | Bucket Capacity Heaped 2:1 $m^3$ (cu.yd) | Width mm (in) | Weight including Shrouds and WP-3* kg (lb) | Dump Type | Recommen-dation |
|---|---|---|---|---|---|
| **PC3000-6** | 15 (19.6) | 3790 (149") | 24270 (53,510) | bottom | ○ |
| **PC4000-6** | 22 (28.8) | 4020 (158") | 34530 (76,120) | bottom | ○ |
| **PC5500-6** | 29 (37.9) | 4565 (180") | 50880 (112,170) | bottom | ○ |
| **PC8000-6** | 42 (55) | 5375 (212") | 69545 (153,320) | bottom | ○ |

* Wear package No.
○ : General rock bucket for digging and loading
△ : Light material work
● : Heavy-duty work



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## Hydraulic loading shovel and dump truck combination

| HYDRAULIC EXCAVATOR | | RIGID DUMP TRUCK | | | | | |
|---|---|---|---|---|---|---|---|
| MODEL (L/S) | BUCKET CAPACITY (HEAPED) m³ (cu,yd) | HD255 | HD325 | HD405 | HD465 | HD605 | HD785 |
| | | Payload m. ton (U.S. ton) | | | | | |
| | | 25 (27.6) | 36.5 (40) | 41 (45) | 55 (61) | 63 (69) | 91 (100) |
| | | Body Capacity m³ (cu. yd) | | | | | |
| | (SAE) | 17.7 (23.2) | 24.0 (31.4) | 27.3 (35.7) | 34.2 (44.7) | 40 (52.3) | 60 (78.5) |
| PC400 | 2.6 (3.4) | 5 | | | | | |
| PC600LC | 4.0 (5.2) | 3 | 5 | 6 | | | |
| PC750 | 4.5 (5.9) | 3 | 5 | 5 | | | |
| PC800 | 5.1 (6.7) | 3 | 4 | 4 | | | |
| PC1250 | 6.5 (8.5) | 2 | 3 | 4 | 5 | 5 | |
| PC2000 | 11.0 (14.4) | | | | 3 | 3 | 5 |

| HYDRAULIC EXCAVATOR | | RIGID DUMP TRUCK | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MODEL (L/S) | BUCKET CAPACITY (HEAPED) m³ (cu,yd) | HD785 | HD1500 | 730E | 830E-AC | 860E-1K | 930E-4 930E-4SE | 960E |
| | | Payload m. ton (U.S. ton) | | | | | | |
| | | 91 (100) | 144 (159) | 181 (200) | 222 (244) | 254 (280) | 292 (320) | 327 (360) |
| | | Body Capacity m³ (cu. yd) | | | | | | |
| | (SAE) | 60 (78.5) | 78 (102) | 148 (193) | 147 (193) | 169 (221) | 211 (276) | 214 (280) |
| PC3000 | 15.0 (19.6) | 4 | 6 | 7 | | | | |
| PC4000 | 22.0 (28.8) | 3 | 4 | 5 | 6 | 6 | | |
| PC5500 | 29.0 (37.9) | | 3 | 4 | 5 | 5 | 6 | 7 |
| PC8000 | 42.0 (55) | | | 3 | 3 | 4 | 4 | 5 |

Number of loads: 3–7 Suitable

Note: L/S: LOADING SHOVEL

Above combination is determined by following method;
(1) Suitable loading times (n): 4–6 times

$$n = \frac{\text{Max. payload of dump truck}}{\text{Bucket capacity} \times \text{Bucket fill factor} \times \text{Specific weight}} \quad \text{or} \quad n = \frac{\text{Heaped capacity of dump truck}}{\text{Bucket capacity} \times \text{Bucket fill factor}}$$

Number of loading times is calculated based on following condition.

1. Calculate number of loading times from maximum payload of dump truck.
   Please see formula 1.
2. Calculate number of loading times from body capacity of dump truck.
   Please see formula 2.
3. Adopt lower number between formula 1 and formula 2.

Formula 1
Number of loading = Payload of truck (metric tonnes) / (Bucket capacity of loader ($m^3$)) x loose density x bucket factor)

Formula 2
Number of loading = Body capacity (cubic meter) / (Bucket capacity of loader ($m^3$)) x bucket factor )

We adopt following condition.

Density = 1.8 metric tonnes per cubic meter
Bucket factor = 1.0

Calculated number of loading times are rounded off to the first decimal place.



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## Estimated Hourly Production

| ESTIMATED CYCLE TIME | | BUCKET SIZE** ($m^3$) OR (cu.yd) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEC. | MIN. | 2.5 | 2.8 | 3.1 | 3.4 | 3.7 | 4.0 | 4.3 | 4.6 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.5 | 8.0 | 8.5 |
| 15.0 | 0.25 | 600 | 672 | 744 | 816 | 888 | 960 | 1032 | 1104 | 1200 | 1320 | 1440 | 1560 | 1680 | 1800 | 1920 | 2040 |
| 18.0 | 0.30 | 500 | 560 | 620 | 680 | 740 | 800 | 860 | 920 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 |
| 21.0 | 0.35 | 429 | 480 | 531 | 583 | 634 | 686 | 737 | 789 | 857 | 943 | 1029 | 1114 | 1200 | 1286 | 1371 | 1457 |
| 24.0 | 0.40 | 375 | 420 | 465 | 510 | 555 | 600 | 645 | 690 | 750 | 825 | 900 | 975 | 1050 | 1125 | 1200 | 1275 |
| 27.0 | 0.45 | 333 | 373 | 413 | 453 | 493 | 533 | 573 | 613 | 667 | 733 | 800 | 867 | 933 | 1000 | 1067 | 1133 |
| 30.0 | 0.50 | 300 | 336 | 372 | 408 | 444 | 480 | 516 | 552 | 600 | 660 | 720 | 780 | 840 | 900 | 960 | 1020 |
| 33.0 | 0.55 | 273 | 305 | 338 | 371 | 404 | 436 | 469 | 502 | 545 | 600 | 655 | 709 | 764 | 818 | 873 | 927 |
| 36.0 | 0.60 | 250 | 280 | 310 | 340 | 370 | 400 | 430 | 460 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 850 |

| ESTIMATED CYCLE TIME | | BUCKET SIZE** ($m^3$) OR (cu.yd) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEC. | MIN. | 9.0 | 9.5 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 | 15.0 | 16.0 | 17.0 | 20 | 22 | 25 | 28 | 35 | 38 |
| 15.0 | 0.25 | 2160 | 2280 | 2400 | 2640 | 2880 | 3120 | 3360 | 3600 | 3840 | 4080 | | | | | | |
| 18.0 | 0.30 | 1800 | 1900 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 | 3200 | 3400 | | | | | | |
| 21.0 | 0.35 | 1543 | 1629 | 1714 | 1886 | 2057 | 2229 | 2400 | 2571 | 2743 | 2914 | 3428 | 3771 | 4285 | 4800 | 6000 | 6514 |
| 24.0 | 0.40 | 1350 | 1425 | 1500 | 1650 | 1800 | 1950 | 2100 | 2250 | 2400 | 2550 | 3000 | 3300 | 3750 | 4200 | 5250 | 5700 |
| 27.0 | 0.45 | 1200 | 1267 | 1333 | 1467 | 1600 | 1733 | 1867 | 2000 | 2133 | 2267 | 2666 | 2933 | 3333 | 3733 | 4666 | 5066 |
| 30.0 | 0.50 | 1080 | 1140 | 1200 | 1320 | 1440 | 1560 | 1680 | 1800 | 1920 | 2040 | 2400 | 2640 | 3000 | 3360 | 4200 | 4560 |
| 33.0 | 0.55 | 982 | 1036 | 1091 | 1200 | 1309 | 1418 | 1527 | 1636 | 1745 | 1855 | 2181 | 2400 | 2727 | 3054 | 3818 | 4145 |
| 36.0 | 0.60 | 900 | 950 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 2000 | 2200 | 2500 | 2800 | 3500 | 3800 |

** Bucket size: Heaped bucket capacity
*** Cycle time: Refer to the section 16A “Productivity”

**Actual production = (Estimated Hourly production) × (Bucket fill factor) × (Job efficiency)**

**Bucket Fill Factor (K) (PC400~PC2000)**

| Loading conditions | K |
|---|---|
| Easy loading | 1.0~1.1 |
| Average loading | 0.95~1.0 |
| Rather difficult loading | 0.90~0.95 |
| Difficult loading | 0.85~0.90 |

**Job Efficiency(E)**

| Operating conditions | E |
|---|---|
| Good | 0.83 |
| Average | 0.75 |
| Rather poor | 0.67 |
| Poor | 0.58 |

**Bucket Fill Factor (K) (PC3000~PC8000)*4**

| Loading conditions | K |
|---|---|
| Easy loading | 1.0 |
| Average loading | 0.95 |
| Severe loading | 0.90 |

*4 : KMG Mining Shovels (Loading shovel)



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SECTION 2E

# WHEEL-TYPE EXCAVATORS

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Bucket and Arm Combinations ..... 2E-9
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### High mobility
- A high-power KOMATSU engine gives it a higher travel speed for quick relocation.
- Four-wheel drive and double tires both front and rear make it easy to travel over rough or soft terrain.

### High working performance
- Large working range and strong digging force.
- The PC system makes full use of engine power.
- A two-pump merge system increases work equipment speed and reduces cycle time.
- Smooth, responsive swing starts and stops.
- High lifting capacity and good stability.

### High operating versatility
- Extra-small swing radius boosts operating versatility.
- Excellent stability due to oscillation lock cylinders and double tires.

### Enhanced operator comfort
- Hydrostatic drive system assures smooth, easy travel speed changes.
- Newly designed cab offers greater comfort.

### Excellent safety and easy maintenance
- Four wheel disc brake with positive braking
- One of the features now on the new wheeled excavator is a walkway across the excavator superstructure, giving easy access to the engine compartment.
  (PW180-7, PW200-7, PW220-7)

### In harmony with the environment
- Low emission engine
  The powerful turbocharged and air-to-air aftercooled Komatsu SAA4D107E and SAA6D107E engine meets Tier 3 and Stage 3A emissions standards with increased power and machine productivity.
- Economy mode reduces fuel consumption
- Low operating noise
- Designed for easy end of life recycling
  (PW140 and over)

### Undercarriage
- Designed for high ground clearance
- High oscillation angle
- Virtually zero axle rocking with outboard wet disc system
- Powerful drawbar pull
- Automatic 3-speed travel
- Class leading 35 km/h maximum travel speed
  (PW140-7 and over)

### SpaceCab™
The new PW140/160/180/200/220-7's cab space have been increased by 14%, offering an exceptionally-roomy operating environment.
- High-pressurised cabin with optional air conditioner
- Low-noise design
- Low-vibration design with cabin damper mounting
- Cab moved forward for better visibility
- Ergonomic control levers
- Seat specially designed for wheeled machines, with exceptional extra comfort.
  (PW140-7 and over)


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| Item | | Model / Unit | PW98MR-8*** | PW118MR-8*** | PW148-8** |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 10300 (22,710) | 12885 (28,410) | 14895 (32,840) |
| HORSEPOWER: | ISO 14396 | kW (HP)/RPM | 50.7 (68.0)/1950 | 72.0 (96.6)/2200 | 90.0 (121)/2200 |
| | ISO 9249 Net | | 49.0 (65.7)/1950 | 68.4 (91.7)/2200 | 86.0 (115)/2200 |
| BUCKET CAPACITY RANGE (SAE) | | $m^3$ (cu.yd) | 0.077 ~ 0.282 (0.10) (0.37) | 0.093 ~ 0.40 (0.12) (0.52) | 0.20 ~ 0.97 (0.26) (1.27) |
| PERFORMANCE: | | | | | |
| Swing speed | | RPM | 10 | 8.5 | 11 |
| Travel speeds | 1st or Creep | km/h (MPH) | 6 (3.7) | 4 (2.5) | 2.5 (1.6) |
| | 2nd or Lo | | 10 (6.2) | 9 (5.6) | 9 (5.6) |
| | 3rd or Hi | | 23 (14.3) | 14 (8.7) | 35 (21.7) |
| | 4th or Auto | | 30 (18.6) | 30 (18.6) | 0 ~ 35 (21.7) |
| Maximum drawbar pull | | kg (lb) | 5400 (11,900) | 6600 (14,550) | 8900 (19,620) |
| DIMENSIONS: | | See the page of DIMENSIONS | | | |
| ENGINE: | | | KOMATSU | KOMATSU | KOMATSU |
| Model | | | SAA4D95LE-5 | SAA4D95LE-5 | SAA4D107E-1 |
| No. of cylinders- | | mm | 4-95 × 115 | 4-95 × 115 | 4-107 × 124 |
| bore × stroke | | (in) | (3.74 × 4.53) | (3.74 × 4.53) | (4.21 × 4.88) |
| Piston displacement | | ltr. (cu.in) | 3.26 (199) | 3.26 (199) | 4.5 (275) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | | 1 × Variable Piston + 1 × Gear pump | 1 × Variable Piston + 1 × Gear pump | 1 × Variable Piston |
| Max. oil flow | | ltr.(U.S. Gal)/min. | 230 (60.8) | 268 (70.8) | 252 (66.6) |
| Max. oil pressure (Implement) | | $kg/cm^2$ (PSI) | 270 (3840) | 270 (3840) | 280 (3980) |
| WHEELS: | (front) | | 8.25-20 × 4 | 9.00-20 × 4 | 10.00-20-14PR × 4 |
| | (rear) | | 8.25-20 × 4 | 9.00-20 × 4 | 10.00-20-14PR × 4 |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | | ltr. (U.S. Gal) | 125 (33.0) | 150 (39.6) | 275 (72.7) |
| Hydraulic oil tank | | | 100 (26.4) | 80 (21.1) | 123 (32.5) |
| MACHINE SPEC.:* | | | | | |
| Boom (2 piece boom length) | | mm (ft.in) | 3855 (12'6") | 3855 (12'6") | 4600 (15'1") |
| Arm | | mm (ft.in) | 1650 (5'5") | 1850 (6'1") | 2500 (8'2") |
| Bucket (SAE) | | $m^3$ (cu.yd) | 0.28 (0.37) | 0.33 (0.43) | 0.48 (0.63) |
| Front and rear equipment | | — | 2 outriggers + blade | 2 outriggers + blade | 2 outriggers + blade |

| Item | | Model / Unit | PW148-8*** | PW160-8** | PW160-8*** |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 15250 (33,620) | 16670 (36,750) | 16880 (37,210) |
| HORSEPOWER: | ISO 14396 | kW (HP)/RPM | 90.0 (121)/2200 | 97.0 (130)/2200 | 97.0 (130)/2200 |
| | ISO 9249 Net | | 86.0 (115)/2200 | 90.0 (121)/2200 | 90.0 (121)/2200 |
| BUCKET CAPACITY RANGE (SAE) | | $m^3$ (cu.yd) | 0.20 ~ 0.97 (0.26) (1.27) | 0.20 ~ 0.97 (0.26) (1.27) | 0.20 ~ 0.97 (0.26) (1.27) |
| PERFORMANCE: | | | | | |
| Swing speed | | RPM | 11 | 11 | 11 |
| Travel speeds | 1st or Creep | km/h (MPH) | 2.5 (1.6) | 2.5 (1.6) | 2.5 (1.6) |
| | 2nd or Lo | | 9 (5.6) | 10.5 (6.5) | 10.5 (6.5) |
| | 3rd or Hi | | 35 (21.7) | 35 (21.7) | 35 (21.7) |
| | 4th or Auto | | 0 ~ 35 (21.7) | 0 ~ 35 (21.7) | 0 ~ 35 (21.7) |
| Maximum drawbar pull | | kg (lb) | 8900 (19,620) | 9750 (21,490) | 9750 (21,490) |
| DIMENSIONS: | | See the page of DIMENSIONS | | | |
| ENGINE: | | | KOMATSU | KOMATSU | KOMATSU |
| Model | | | SAA4D107E-1 | SAA4D107E-1 | SAA4D107E-1 |
| No. of cylinders- | | mm | 4-107 × 124 | 4-107 × 124 | 4-107 × 124 |
| bore × stroke | | (in) | (4.21 × 4.88) | (4.21 × 4.88) | (4.21 × 4.88) |
| Piston displacement | | ltr. (cu.in) | 4.5 (275) | 4.5 (275) | 4.5 (275) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | | 1 × Variable Piston | 1 × Variable Piston | 1 × Variable Piston |
| Max. oil flow | | ltr.(U.S. Gal)/min. | 252 (66.6) | 308 (81.4) | 308 (81.4) |
| Max. oil pressure (Implement) | | $kg/cm^2$ (PSI) | 280 (3980) | 380 (5400) | 380 (5400) |
| WHEELS: | (front) | | 10.00-20-14PR × 4 | 10.00-20-14PR × 4 | 10.00-20-14PR × 4 |
| | (rear) | | 10.00-20-14PR × 4 | 10.00-20-14PR × 4 | 10.00-20-14PR × 4 |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | | ltr. (U.S. Gal) | 275 (72.7) | 300 (79.3) | 300 (79.3) |
| Hydraulic oil tank | | | 123 (32.5) | 166 (43.9) | 166 (43.9) |
| MACHINE SPEC.:* | | | | | |
| Boom (2 piece boom length) | | mm (ft.in) | 4980 (16'1") | 5300 (17'5") | 5223 (17'2") |
| Arm | | mm (ft.in) | 2500 (8'2") | 2500 (8'2") | 2500 (8'2") |
| Bucket (SAE) | | $m^3$ (cu.yd) | 0.48 (0.63) | 0.62 (0.81) | 0.62 (0.81) |
| Front and rear equipment | | — | 2 outriggers + blade | 2 outriggers + blade | 2 outriggers + blade |

* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and, indicated implement, shoes and upper attachment.
** One piece boom
*** Two piece boom



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| Item | | Model / Unit | PW180-7** | PW180-7*** | PW200-7** |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 17990 (39,660) | 18220 (40,170) | 20860 (45,990) |
| HORSEPOWER: | ISO 14396<br>ISO 9249 Net | kW (HP)/RPM | 116 (156)/2000<br>109 (146)/2000 | 116 (156)/2000<br>109 (146)/2000 | 134 (180)/2000<br>125 (168)/2000 |
| BUCKET CAPACITY RANGE | (SAE) | $m^3$ (cu.yd) | 0.38 ~ 1.13<br>(0.50) (1.48) | 0.38 ~ 1.13<br>(0.50) (1.48) | 0.48 ~ 1.58<br>(0.63) (2.07) |
| PERFORMANCE: | | | | | |
| Swing speed | | RPM | 11.5 | 11.5 | 12.4 |
| Travel speeds | 1st or Creep | km/h (MPH) | 2.5 (1.6) | 2.5 (1.6) | 1.5 (0.9) |
| | 2nd or Lo | | 9.5 (5.9) | 9.5 (5.9) | 9 (5.6) |
| | 3rd or Hi | | 35 (21.7) | 35 (21.7) | 35 (21.7) |
| | 4th or Auto | | 0 ~ 35 (21.7) | 0 ~ 35 (21.7) | 0 ~ 35 (21.7) |
| Maximum drawbar pull | | kg (lb) | 10500 (23,150) | 10500 (23,150) | 12600 (27,780) |
| DIMENSIONS: | | | See the page of DIMENSIONS | | |
| ENGINE: | | | KOMATSU | KOMATSU | KOMATSU |
| Model | | | SAA6D107E-1 | SAA6D107E-1 | SAA6D107E-1 |
| No. of cylinders- | | mm | 6-107 × 124 | 6-107 × 124 | 6-107 × 124 |
| bore × stroke | | (in) | (4.21 × 4.88) | (4.21 × 4.88) | (4.21 × 4.88) |
| Piston displacement | | ltr. (cu.in) | 6.69 (408) | 6.69 (408) | 6.69 (408) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | | 1 × Variable Piston | 1 × Variable Piston | 2 × Variable Piston |
| Max. oil flow | | ltr. (U.S. Gal)/min. | 308 (81.4) | 308 (81.4) | 436.8 (115.4) |
| Max. oil pressure (Implement) | | $kg/cm^2$ (PSI) | 380 (5400) | 380 (5400) | 380 (5400) |
| WHEELS: | (front) | | 10.00-20-14PR × 4 | 10.00-20-14PR × 4 | 10.00-20-16PR × 4 |
| | (rear) | | 10.00-20-14PR × 4 | 10.00-20-14PR × 4 | 10.00-20-16PR × 4 |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | | ltr. (U.S. Gal) | 325 (85.9) | 325 (85.9) | 370 (97.8) |
| Hydraulic oil tank | | | 120 (31.7) | 120 (31.7) | 166 (43.9) |
| MACHINE SPEC.:* | | | | | |
| Boom (2 piece boom length) | | mm (ft.in) | 5350 (17'7") | 5280 (17'4") | 5700 (18'8") |
| Arm | | mm (ft.in) | 2600 (8'6") | 2600 (8'6") | 2400 (7'10") |
| Bucket (SAE) | | $m^3$ (cu.yd) | 0.75 (0.98) | 0.75 (0.98) | 0.80 (1.05) |
| Front and rear equipment | | — | 2 outriggers + blade | 2 outriggers + blade | 2 outriggers + blade |

| Item | | Model / Unit | PW200-7*** | PW220-7** | PW220-7*** |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | | kg (lb) | 21540 (47,490) | 22390 (49,360) | 23050 (50,820) |
| HORSEPOWER: | ISO 14396<br>ISO 9249 Net | kW (HP)/RPM | 134 (180)/2000<br>125 (168)/2000 | 134 (180)/2000<br>125 (168)/2000 | 134 (180)/2000<br>125 (168)/2000 |
| BUCKET CAPACITY RANGE | (SAE) | $m^3$ (cu.yd) | 0.48 ~ 1.58<br>(0.63) (2.07) | 0.48 ~ 1.68<br>(0.63) (2.20) | 0.48 ~ 1.68<br>(0.63) (2.20) |
| PERFORMANCE: | | | | | |
| Swing speed | | RPM | 12.4 | 12.4 | 12.4 |
| Travel speeds | 1st or Creep | km/h (MPH) | 1.5 (0.9) | 1.5 (0.9) | 1.5 (0.9) |
| | 2nd or Lo | | 9 (5.6) | 9.5 (5.9) | 9.5 (5.9) |
| | 3rd or Hi | | 35 (21.7) | 35 (21.7) | 35 (21.7) |
| | 4th or Auto | | 0 ~ 35 (21.7) | 0 ~ 35 (21.7) | 0 ~ 35 (21.7) |
| Maximum drawbar pull | | kg (lb) | 12600 (27,780) | 12600 (27,780) | 12600 (27,780) |
| DIMENSIONS: | | | See the page of DIMENSIONS | | |
| ENGINE: | | | KOMATSU | KOMATSU | KOMATSU |
| Model | | | SAA6D107E-1 | SAA6D107E-1 | SAA6D107E-1 |
| No. of cylinders- | | mm | 6-107 × 124 | 6-107 × 124 | 6-107 × 124 |
| bore × stroke | | (in) | (4.21 × 4.88) | (4.21 × 4.88) | (4.21 × 4.88) |
| Piston displacement | | ltr. (cu.in) | 6.69 (408) | 6.69 (408) | 6.69 (408) |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | | 2 × Variable Piston | 2 × Variable Piston | 2 × Variable Piston |
| Max. oil flow | | ltr. (U.S. Gal)/min. | 436.8 (115.4) | 436.8 (115.4) | 436.8 (115.4) |
| Max. oil pressure (Implement) | | $kg/cm^2$ (PSI) | 380 (5400) | 380 (5400) | 380 (5400) |
| WHEELS: | (front) | | 10.00-20-16PR × 4 | 10.00-20-16PR × 4 | 10.00-20-16PR × 4 |
| | (rear) | | 10.00-20-16PR × 4 | 10.00-20-16PR × 4 | 10.00-20-16PR × 4 |
| CAPACITY (Refilled): | | | | | |
| Fuel tank | | ltr. (U.S. Gal) | 370 (97.8) | 370 (97.8) | 370 (97.8) |
| Hydraulic oil tank | | | 166 (43.9) | 166 (43.9) | 166 (43.9) |
| MACHINE SPEC.:* | | | | | |
| Boom (2 piece boom length) | | mm (ft.in) | 5410 (17'9") | 5700 (18'8") | 5410 (17'9") |
| Arm | | mm (ft.in) | 2400 (7'10") | 2400 (7'10") | 2400 (7'10") |
| Bucket (SAE) | | $m^3$ (cu.yd) | 0.80 (1.05) | 1.0 (1.31) | 1.0 (1.31) |
| Front and rear equipment | | — | 2 outriggers + blade | 2 outriggers + blade | 2 outriggers + blade |

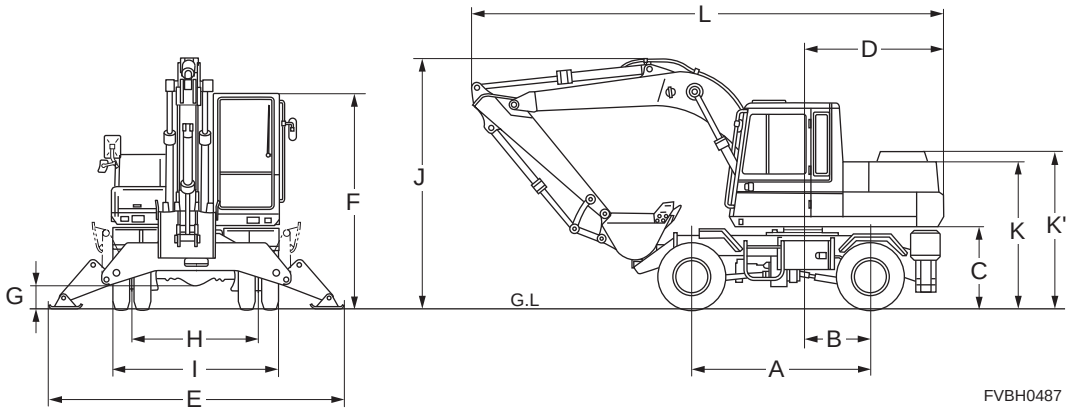
* Operating weight includes coolant, lubricants, full fuel tank, operator 80kg (180lb) and, indicated implement, shoes and upper attachment.
** One piece boom
*** Two piece boom



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| | A mm (ft.in) | B mm (ft.in) | C mm (ft.in) | D mm (ft.in) | E mm (ft.in) | F mm (ft.in) | G mm (ft.in) | H mm (ft.in) | I mm (ft.in) | J mm (ft.in) | K, K' mm (ft.in) | L mm (ft.in) | Boom length m (ft.in) | Arm length m (ft.in) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PW98MR-8**** | 2200 (7'3") | 1000 (3'3") | 1120 (3'8") | 1335 (4'5") | — | 3100 (10'2") | | 1820 (6'0") | 2350 (7'9") | 3995 (13'1") | 2200 (7'3") | 5870 (19'3") | 3.86 (12'8") | 1.65 (5'5") |
| **PW118MR-8**** | 2400 (7'10") | 1100 (3'7") | 1180 (3'10") | 1440 (4'9") | — | 3155 (10'4") | | 1935 (6'4") | 2500 (8'2") | 3995 (13'1") | 2260 (7'5") | 6071 (19'11") | 3.86 (12'8") | 1.85 (6'1") |
| | | | | | | | | | | | | 6051 (19'10") | | 2.0 (6'7") |
| **PW148-8*** | 2500 (8'2") | 1250 (4'3") | 1240 (4'1") | 1850 (6'1") | 3660 (12'0") | 3175 (10'5") | 340 (1'1") | 1915 (6'3") | 2550 (8'4") | 3680 (12'1") | 2265 (7'5") | 7120 (23'4") | 4.6 (15'1") | 2.1 (6'11") |
| | | | | | | | | | | | | 7120 (23'4") | | 2.5 (8'2") |
| | | | | | | | | | | | | 7160 (23'6") | | 3.0*** (9'10") |
| **PW148-8**** | 2500 (8'2") | 1250 (4'3") | 1240 (4'1") | 1850 (6'1") | 3660 (12'0") | 3175 (10'5") | 340 (1'1") | 1915 (6'3") | 2550 (8'4") | 3910 (12'1") | 2265 (7'5") | 5545 (18'2") | 4.98 (16'1") | 2.1 (6'11") |
| | | | | | | | | | | | | | | 2.5 (8'2") |
| | | | | | | | | | | | | | | 3.0*** (9'10") |
| **PW160-8*** | 2600 (9'6") | 1300 (4'3") | 1265 (4'2") | 2180 (7'2") | 2490 (8'2") | 3175 (10'5") | 350 (1'2") | 1915 (6'3") | 2500 (8'2") | 3500 (11'6") | 2580 (8'6") | 8290 (27'2") | 5.3 (17'5") | 2.1 (6'11") |
| | | | | | | | | | | 3500 (11'6") | | 8290 (27'2") | | 2.5 (8'2") |
| | | | | | | | | | | 3975 (13'0") | | 8045 (26'5") | | 3.0*** (9'10") |
| **PW160-8**** | 2600 (9'6") | 1300 (4'3") | 1265 (4'2") | 2180 (7'2") | 2490 (8'2") | 3175 (10'5") | 350 (1'2") | 1915 (6'3") | 2500 (8'2") | 3940 (12'11") | 2580 (8'6") | 5765 (18'11") | 5.2 (17'1") | 2.1 (6'11") |
| | | | | | | | | | | | | 5790 (19'0") | | 2.5 (8'2") |
| | | | | | | | | | | | | 5940 (19'6") | | 3.0*** (9'10") |
| **PW180-7*** | 2600 (8'6") | 1300 (4'3") | 1303 (4'3") | 2500 (8'2") | 2490 (8'2") | 3209 (10'6") | 332 (1'1") | 1914 (6'3") | 2550 (8'4") | 3720 (12'2") | | 8900 (29'2") | 5.35 (17'7") | 2.25 (7'5") |
| | | | | | | | | | | | | | | 2.6 (8'6") |
| | | | | | | | | | | | | | | 2.9 (9'6") |
| **PW180-7**** | 2600 (8'6") | 1300 (4'3") | 1303 (4'3") | 2500 (8'2") | 2490 (8'2") | 3209 (10'6") | 332 (1'1") | 1914 (6'3") | 2550 (8'4") | 3972 (13') | | 6794 (22'3") | 5.28 (17'4") | 2.25 (7'5") |
| | | | | | | | | | | 3972 (13') | | 6717 (22'0") | | 2.6 (8'6") |
| | | | | | | | | | | 3960 (13') | | 6850 (22'76") | | 2.9 (9'6") |

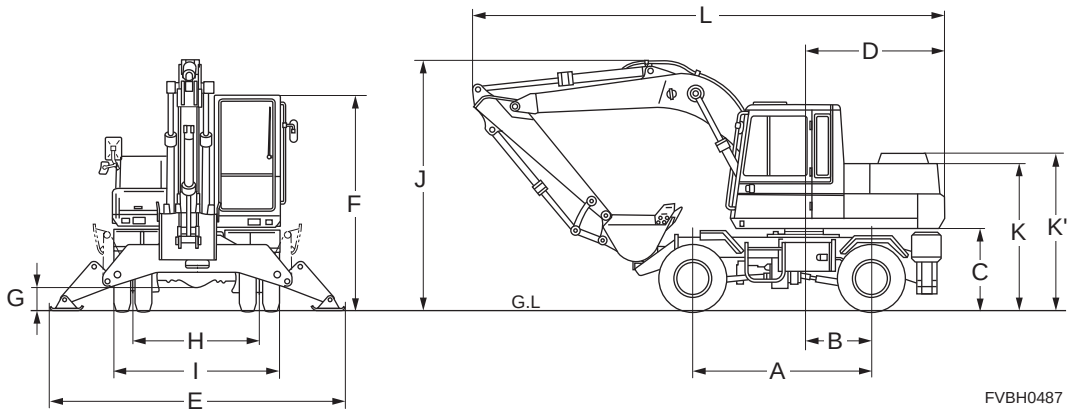
* One-piece boom
** Two-piece boom
*** Driving position without bucket
*4 2.55m (8'4") undercarriage spec.
*5 2.75m (9'0") undercarriage and 11.00-20 tyres spec.



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| | A mm (ft.in) | B mm (ft.in) | C mm (ft.in) | D mm (ft.in) | E mm (ft.in) | F mm (ft.in) | G mm (ft.in) | H mm (ft.in) | I mm (ft.in) | J mm (ft.in) | K, K' mm (ft.in) | L mm (ft.in) | Boom length m (ft.in) | Arm length m (ft.in) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PW200-7*** | 2750 (9'0") | 1450 (4'9") | 1327 (4'4") 1341*5 (4'5") | 2700 (8'10") | 2516 (8'3") | 3234 (10'7") 3248 (10'8") | 330 (1'1") 345 (1'2") | 1914 (6'3") 2124 (7'0") | 2550*4 (8'4") 2750*5 (9'0") | 3906 (12'10") | 2640 (8'8") 2655*5 (8'9") | 9479 (31'1") | 5.7 (18'8") | 1.8 (5'11") |
| | | | | | | | | | | 3895 (12'9") | | 9435 (30'11") | | 2.4 (7'10") |
| | | | | | | | | | | 3912 (12'10") | | 9427 (30'11") | | 2.9 (9'6") |
| | | | | | | | | | | 3985 (13'1") | | 9467 (31'1") | | 3.5 (11'6") |
| **PW200-7**** | 2750 (9'0") | 1450 (4'9") | 1327 (4'4") 1341*5 (4'5") | 2700 (8'10") | 2516 (8'3") | 3234 (10'7") 3248 (10'8") | 330 (1'1") 345 (1'2") | 1914 (6'3") 2124 (7'0") | 2550*4 (8'4") 2750*5 (9'0") | 3980 (13'1") | 2640 (8'8") 2655*5 (8'9") | 7070 (23'2") | 5.4 (17'9") | 1.8 (5'11") |
| | | | | | | | | | | 3980 (13'1") | | 7078 (23'3") | | 2.4 (7'10") |
| | | | | | | | | | | 3997 (13'1") | | 7000 (23'0") | | 2.9 (9'6") |
| | | | | | | | | | | 4505 (14'9") | | 7218 (23'8") | | 3.5 (11'6") |
| **PW220-7*** | 2750 (9'0") | 1450 (4'9") | 1341 (4'5") | 2700 (8'10") | 2516 (8'3") | 3248 (10'8") | 345 (1'2") | 2124 (7'0") | 2750 (9'0") | 3920 (12'10") | 2655 (8'9") | 9479 (31'1") | 5.7 (18'8") | 1.8 (5'11") |
| | | | | | | | | | | 3909 (12'10") | | 9435 (30'11") | | 2.4 (7'10") |
| | | | | | | | | | | 3926 (12'11") | | 9427 (30'11") | | 2.9 (9'6") |
| | | | | | | | | | | 3999 (13'1") | | 9467 (31'1") | | 3.5 (11'6") |
| **PW220-7**** | 2750 (9'0") | 1450 (4'9") | 1341 (4'5") | 2700 (8'10") | 2516 (8'3") | 3248 (10'8") | 345 (1'2") | 2124 (7'0") | 2750 (9'0") | 3995 (13'1") | 2655 (8'9") | 7070 (23'2") | 5.4 (17'9") | 1.8 (5'11") |
| | | | | | | | | | | 3995 (13'1") | | 7078 (23'3") | | 2.4 (7'10") |
| | | | | | | | | | | 4011 (13'2") | | 7000 (23'0") | | 2.9 (9'6") |
| | | | | | | | | | | 4519 (14'10") | | 7218 (23'8") | | 3.5 (11'6") |

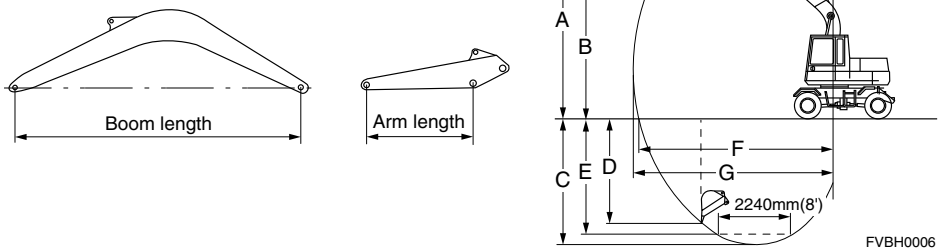
* One-piece boom
** Two-piece boom
*** Driving position without bucket
*4 2.55m (8'4") undercarriage spec.
*5 2.75m (9'0") undercarriage and 11.00-20 tyres spec.



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| | Boom Length m (ft.in) | Arm length m (ft.in) | A mm (ft.in) | B mm (ft.in) | C mm (ft.in) | D mm (ft.in) | E mm (ft.in) | F mm (ft.in) | G mm (ft.in) | Bucket digging force*** kg (lb/kN) | Arm crowd force*** kg (lb/kN) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **PW98MR-8**** | 3.86 (12'6") | 1.65 (5'5") | 8400 (27'7") | 6330 (20'9") | 4055 (13'4") | 3415 (11'2") | | 7290 (23'11") | 7585 (24'11") | 6250 (13,780/61.3) | 4230 (9,330/41.5) |
| | | 1.9 (6'3") | 8630 (28'4") | 6525 (21'5") | 4305 (14'1") | 3650 (12'0") | | 7560 (24'10") | 7835 (25'8") | | 3800 (8380/37.2) |
| **PW118MR-8**** | 3.86 (12'6") | 1.85 (6'1") | 8585 (28'2") | 6515 (21'4") | 4180 (13'9") | 3355 (11'0") | | 7650 (21'1") | 7950 (26'1") | 7310 (16,120/71.7) | 4600 (10,140/45.1) |
| | | 2.0 (6'7") | 8725 (28'8") | 6649 (21'10") | 4330 (14'2") | 3500 (11'6") | | 7800 (25'7") | 8100 (26'7") | | 4600 (10,140)/45.1) |
| **PW148-8*** | 4.6 (15'1") | 2.1 (6'1") | 7980 (26'2") | 5731 (18'10") | 4462 (14'8") | 3630 (11'11") | 4025 (13'2") | 7740 (25'5") | 7928 (26'0") | 9490 (20,910/93) | 8160 (17,990/80) |
| | | 2.5 (6'7") | 8270 (27'2") | 6020 (19'9") | 4860 (15'11") | 4005 (13'2") | 4570 (15'0") | 8140 (26'8") | 8290 (27'2") | | 6830 (15,070/67) |
| | | 3.0 (6'7") | 8703 (28'7") | 6449 (21'2") | 5362 (17'7") | 4470 (14'8") | 4955 (16'3") | 8640 (28'4") | 8775 (28'9") | | 5710 (12,590/56) |
| **PW148-8**** | 4.98 (16'1") | 2.1 (6'1") | 9228 (30'3") | 6844 (22'5") | 4845 (15'11") | 3555 (11'8") | 4515 (14'10") | 7740 (25'5") | 8268 (26'0") | 9490 (20,910/93) | 8160 (17,990/80) |
| | | 2.5 (6'7") | 9518 (31'3") | 7133 (23'5") | 5245 (17'2") | 4000 (13'1") | 4935 (16'2") | 8140 (26'8") | 8681 (28'6") | | 6830 (15,070/67) |
| | | 3.0 (6'7") | 9951 (32'8") | 7562 (24'10") | 5745 (18'10") | 4495 (14'9") | 5460 (17'11") | 8640 (28'4") | 9000 (29'6") | | 5710 (12,590/56) |
| **PW160-8*** | 5.3 (17'5") | 2.1 (6'1") | 8730 (28'8") | 6335 (20'9") | 4925 (16'2") | | 4077 (13'5") | 8620 (28'3") | 8640 (28'4") | 10400 (22,940/102) | 7750 (17,090/76) |
| | | 2.5 (6'7") | 8930 (29'4") | 8555 (18'1") | 5320 (17'5") | | 4477 (14'8") | 8885 (29'2") | 9070 (29'9") | | 6530 (14,390/64) |
| | | 3.0 (6'7") | 9285 (30'6") | 6911 (22'8") | 5600 (18'4") | | 4977 (16'4") | 9315 (30'7") | 9485 (31'1") | | 5410 (11,920/53) |
| **PW160-8**** | 5.22 (17'2") | 2.1 (6'1") | 9611 (31'6") | 7135 (23'5") | 4968 (16'4") | | 4660 (15'3") | 8343 (27'4") | 8533 (28'0") | 10400 (22,940/102) | 7750 (17,090/76) |
| | | 2.5 (6'7") | 9910 (32'6") | 7433 (24'5") | 5365 (17'7") | | 5062 (16'7") | 8715 (28'7") | 8905 (29'3") | | 6530 (14,390/64) |
| | | 3.0 (6'7") | 10337 (33'11") | 7860 (25'9") | 5861 (19'3") | | 5562 (18'3") | 9224 (30'3") | 9397 (30'10") | | 5410 (11,920/53) |
| **PW180-7*** | 5.35 (17'7") | 2.25 (7'5") | 9458 (31'0") | 6915 (22'8") | 5321 (17'5") | | | 8876 (29'1") | 9061 (29'9") | 12500 (27,560/123) | 9700 (21,380/95.1) |
| | | 2.6 (8'6") | 9562 (31'4") | 7064 (23'2") | 5676 (18'7") | | | 9170 (30'1") | 9345 (30'8") | | 9000 (19,840/88.3) |
| | | 2.9 (9'6") | 9756 (32'0") | 7236 (23'9") | 5966 (19'7") | | | 9759 (32'0") | 9929 (32'7") | | 8100 (17,860/79.4) |
| **PW180-7**** | 5.28 (17'4") | 2.25 (7'5") | 9942 (32'7") | 7283 (23'10") | 5400 (17'9") | | | 8907 (29'3") | 9080 (29'9") | 12500 (27,560/123) | 9700 (21,380/95.1) |
| | | 2.6 (8'6") | 10129 (33'3") | 7489 (24'7") | 5742 (18'10") | | | 9227 (30'3") | 9401 (30'10") | | 9000 (19,840/88.3) |
| | | 2.9 (9'6") | 10350 (33'11") | 7709 (25'4") | 6044 (19'10") | | | 9509 (31'2") | 9683 (31'9") | | 8100 (17,860/79.4) |

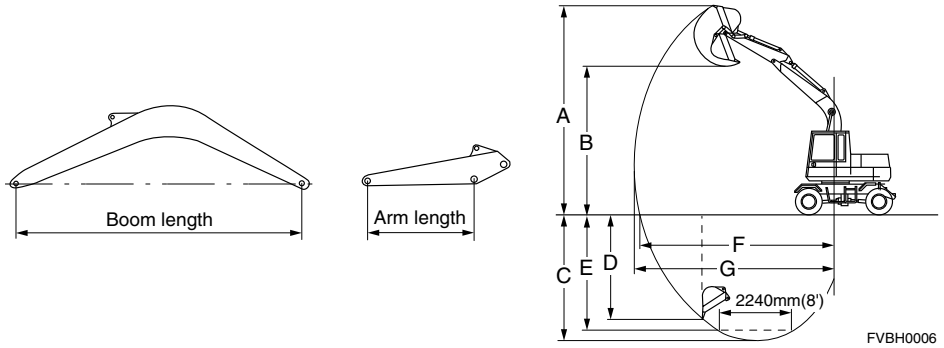
* One piece boom
** Two piece boom
*** Using power max function, expect PW98MR and PW118MR, ISO rating
*4 With optional large bucket cylinder



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| | Boom length m (ft.in) | Arm length m (ft.in) | A mm (ft.in) | B mm (ft.in) | C mm (ft.in) | D mm (ft.in) | E mm (ft.in) | F mm (ft.in) | G mm (ft.in) | Bucket digging force*** kg (lb/kN) | Arm crowd force*** kg (lb/kN) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **PW200-7*** | 5.7 (18'8") | 1.8 (5'11") | 9467 (31'1") | 6704 (22'0") | 4791 (15'9") | 4141 (13'7") | 4575 (15'0") | 8867 (29'1") | 9061 (29'9") | 17950*4 (39,570/176) | 14800 (32,630/145) |
| | | 2.4 (7'11") | 9883 (32'5") | 7057 (23'2") | 5402 (17'9") | 4745 (15'7") | 5225 (17'2") | 9438 (31'0") | 9651 (31'8") | | 13000 (28,660/127) |
| | | 2.9 (9'6") | 10003 (32'10") | 7229 (23'9") | 5917 (19'5") | 5227 (17'2") | 5763 (18'11") | 9875 (32'5") | 10060 (33'0") | 15190 (33,490/149) | 11000 (24,250/108) |
| | | 3.5 (11'6") | 10438 (34'3") | 7612 (25'0") | 6500 (21'4") | 5809 (19'1") | 6366 (20'11") | 10478 (34'5") | 10642 (34'11") | | 9100 (20,060/89) |
| **PW200-7**** | 5.4 (17'9") | 1.8 (5'11") | 9532 (31'3") | 6670 (21'11") | 5186 (17'0") | 4104 (13'6") | 5119 (16'10") | 8599 (28'37") | 8818 (28'11") | 17950*4 (39,570/176) | 14800 (32,630/145) |
| | | 2.4 (7'11") | 9842 (32'3") | 6982 (22'11") | 5785 (19'0") | 4666 (15'4") | 5713 (18'9") | 9144 (30'0") | 9348 (30'8") | | 13000 (28,660/127) |
| | | 2.9 (9'6") | 10168 (33'4") | 7298 (23'11") | 6285 (20'7") | 5208 (17'11") | 6226 (20'5") | 9634 (31'7") | 9822 (32'3") | 15190 (33,490/149) | 11000 (24,250/108) |
| | | 3.5 (11'6") | 10434 (34'3") | 7574 (24'10") | 6860 (22'6") | 5768 (18'11") | 6793 (22'3") | 10156 (33'4") | 10338 (33'11") | | 9100 (20,060/89) |
| **PW220-7*** | 5.7 (18'8") | 1.8 (5'11") | 9467 (31'1") | 6704 (22'0") | 4791 (15'9") | 4141 (13'7") | 4575 (15'0") | 8867 (29'1") | 9061 (29'9") | 17950*4 (39,570/176) | 14800 (32,630/145) |
| | | 2.4 (7'11") | 9883 (32'5") | 7057 (23'2") | 5402 (17'9") | 4745 (15'7") | 5225 (17'2") | 9438 (31'0") | 9651 (31'8") | | 13000 (28,660/127.5) |
| | | 2.9 (9'6") | 10003 (32'10") | 7229 (23'9") | 5917 (19'5") | 5227 (17'2") | 5763 (18'11") | 9875 (32'5") | 10060 (33'0") | 15190 (33,490/149) | 11000 (24,250/108) |
| | | 3.5 (11'6") | 10438 (34'3") | 7612 (25'0") | 6500 (21'4") | 5809 (19'1") | 6366 (20'11") | 10478 (34'5") | 10642 (34'11") | | 9100 (20,060/89) |
| **PW220-7**** | 5.4 (17'9") | 1.8 (5'11") | 9532 (31'3") | 6670 (21'11") | 5186 (17'0") | 4104 (13'6") | 5119 (16'10") | 8599 (28'3") | 8818 (28'11") | 17950*4 (39,570/176) | 14800 (32,630/145) |
| | | 2.4 (7'11") | 9842 (32'3") | 6982 (22'11") | 5785 (19'0") | 4666 (15'4") | 5713 (18'9") | 9144 (30'0") | 9348 (30'8") | | 13000 (28,660/127.5) |
| | | 2.9 (9'6") | 10168 (33'4") | 7298 (23'11") | 6285 (20'7") | 5208 (17'1") | 6226 (20'5") | 9634 (31'7") | 9822 (32'3") | 15190 (39,570/149) | 11000 (24,250/108) |
| | | 3.5 (11'6") | 10434 (34'3") | 7574 (24'10") | 6860 (22'6") | 5768 (18'11") | 6793 (22'3") | 10156 (33'4") | 10338 (33'11") | | 9100 (20,060/89) |

* One piece boom
** Two piece boom
*** Using power max function, expect PW98MR and PW118MR, ISO rating
*4 With optional large bucket cylinder



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These charts are based on over-side stability with fully loaded bucket at maximum reach.
○ General purpose use, weight up to 1.8 t/m$^3$ (3000 lb/cu.yd) □ General purpose use, weight up to 1.5 t/m$^3$ (2500 lb/cu.yd)
△ Light duty work, weight up to 1.2 t/m$^3$ (2000 lb/cu.yd) ✕ Not usable.

| Bucket capacity (heaped) | | Width | | Weight kg (lb) (Without side cutters) | Arm length m (ft.in) | | |
|---|---|---|---|---|---|---|---|
| SAE,PCSA m$^3$ (cu.yd) | CECE m$^3$ (cu.yd) | Without side cutters or side shrouds mm (in) | With side cutters or side shrouds mm (in) | | | | |
| **PW98MR-8** | | | | | 1.65 (5'5") | 1.90 (6'3") | |
| 0.077 (0.10) | — | 350 (13.8") | 450 (17.7") | | ○ | ○ | |
| 0.109 (0.14) | — | 450 (17.7") | 550 (21.7") | | ○ | ○ | |
| 0.181 (0.24) | — | 550 (21.7") | 650 (25.6") | | ○ | ○ | |
| 0.235 (0.31) | — | 650 (25.6") | 750 (29.5") | | ○ | ○ | |
| 0.282 (0.37) | — | 750 (29.5") | 825 (32.5") | | ○ | ○ | |
| **PW118MR-8** | | | | | 1.85 (6'1") | 2.0 (6'7") | |
| 0.093 (0.12) | — | 300 (11.8") | — | 168 (370) | ○ | ○ | |
| 0.15 (0.20) | — | 400 (15.7") | — | 194 (428) | ○ | ○ | |
| 0.19 (0.25) | — | 500 (19.7") | — | 218 (481) | ○ | ○ | |
| 0.24 (0.31) | — | 600 (23.6") | — | 234 (516) | ○ | ○ | |
| 0.28 (0.37) | — | 700 (27.6") | — | 252 (556) | ○ | ○ | |
| 0.33 (0.43) | — | 800 (31.5") | — | 270 (595) | ○ | ○ | |
| 0.36 (0.47) | — | 900 (35.4") | — | 294 (648) | ○ | △ | |
| 0.40 (0.52) | — | 1000 (39.4") | — | 320 (705) | ○ | △ | |
| **PW148-8** | | | | | 2.1 (6'11") | 2.5 (8'2") | 3.0 (9'10") |
| 0.20 (0.26) | 0.19 (0.25) | 400 (15.7") | — | 270 (595) | ○ | ○ | ○ |
| 0.27 (0.35) | 0.25 (0.33) | 450 (17.7") | — | 300 (661) | ○ | ○ | ○ |
| 0.41 (0.54) | 0.37 (0.48) | 600 (23.6") | — | 420 (926) | ○ | ○ | ○ |
| 0.48 (0.63) | 0.44 (0.58) | 700 (27.6") | — | 445 (981) | ○ | ○ | ○ |
| 0.55 (0.72) | 0.50 (0.65) | 800 (31.5") | — | 460 (1014) | ○ | ○ | ○ |
| 0.62 (0.81) | 0.57 (0.75) | 900 (35.4") | — | 495 (1091) | ○ | ○ | ○ |
| 0.69 (0.90) | 0.63 (0.82) | 1000 (39.4") | — | 530 (1168) | ○ | ○ | ○ |
| 0.76 (0.99) | 0.69 (0.90) | 1100 (43.3") | — | 550 (1213) | ○ | ○ | □ |
| 0.83 (1.09) | 0.76 (0.99) | 1200 (47.2") | — | 575 (1268) | ○ | □ | △ |
| 0.90 (1.18) | 0.82 (1.07) | 1300 (51.2") | — | 605 (1334) | □ | □ | △ |
| 0.97 (1.27) | 0.89 (1.16) | 1400 (55.1") | — | 630 (1389) | □ | △ | ✕ |
| **PW160-8** | | | | | 2.1 (6'11") | 2.5 (8'2") | 3.0 (9'10") |
| 0.20 (0.26) | 0.19 (0.25) | 400 (15.7") | — | 270 (595) | ○ | ○ | ○ |
| 0.27 (0.35) | 0.25 (0.33) | 450 (17.7") | — | 300 (661) | ○ | ○ | ○ |
| 0.41 (0.54) | 0.37 (0.48) | 600 (23.6") | — | 420 (926) | ○ | ○ | ○ |
| 0.48 (0.63) | 0.44 (0.58) | 700 (27.6") | — | 445 (981) | ○ | ○ | ○ |
| 0.55 (0.72) | 0.50 (0.65) | 800 (31.5") | — | 460 (1014) | ○ | ○ | ○ |
| 0.62 (0.81) | 0.57 (0.75) | 900 (35.4") | — | 495 (1091) | ○ | ○ | ○ |
| 0.69 (0.90) | 0.63 (0.82) | 1000 (39.4") | — | 530 (1168) | ○ | ○ | ○ |
| 0.76 (0.99) | 0.69 (0.90) | 1100 (43.3") | — | 550 (1213) | ○ | □ | □ |
| 0.83 (1.09) | 0.76 (0.99) | 1200 (47.2") | — | 575 (1268) | □ | □ | □ |
| 0.90 (1.18) | 0.82 (1.07) | 1300 (51.2") | — | 605 (1334) | □ | △ | △ |
| 0.97 (1.27) | 0.89 (1.16) | 1400 (55.1") | — | 630 (1389) | △ | △ | △ |
| **PW180-7** | | | | | 2.25 (7'5") | 2.6 (8'6") | 2.9 (9'6") |
| 0.38 (0.50) | — | 600 (23.6") | — | 385 (849) | ○ | ○ | ○ |
| 0.56 (0.73) | — | 700 (27.6") | — | 435 (959) | ○ | ○ | ○ |
| 0.57 (0.75) | — | 800 (31.5") | — | 465 (1025) | ○ | ○ | ○ |
| 0.66 (0.86) | — | 900 (35.4") | — | 495 (1091) | ○ | ○ | ○ |
| 0.75 (0.98) | — | 1000 (39.4") | — | 530 (1168) | ○ | ○ | ○ |
| 0.94 (1.23) | — | 1200 (47.2") | — | 615 (1356) | □ | □ | △ |
| 1.13 (1.48) | — | 1400 (55.1") | — | 695 (1532) | △ | △ | ✕ |



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These charts are based on over-side stability with fully loaded bucket at maximum reach.
○ General purpose use, weight up to 1.8 t/m³ (3000 lb/cu.yd) □ General purpose use, weight up to 1.5 t/m³ (2500 lb/cu.yd)
△ Light duty work, weight up to 1.2 t/m³ (2000 lb/cu.yd) ✕ Not usable.

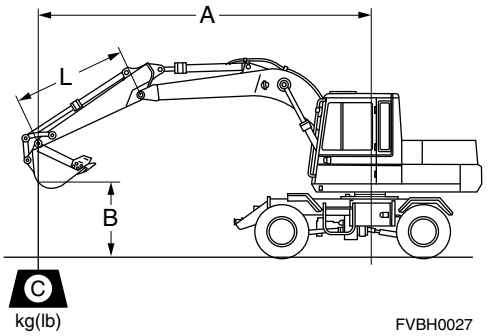
| Bucket capacity (heaped) | | Width | | Weight kg (lb) (Without side cutters) | Arm length m (ft.in) | | | |
|---|---|---|---|---|---|---|---|---|
| SAE,PCSA m³ (cu.yd) | CECE m³ (cu.yd) | Without side cutters or side shrouds mm (in) | With side cutters or side shrouds mm (in) | | | | | |
| **PW200-7** | | | | | 1.8 (5'11") | 2.4 (7'11") | 2.9 (9'6") | 3.5 (11'6") |
| 0.48 (0.63) | — | 600 (23.6") | — | 480 (1058) | ○ | ○ | ○ | ○ |
| 0.55 (0.72) | — | 700 (27.6") | — | 530 (1168) | ○ | ○ | ○ | ○ |
| 0.63 (0.82) | — | 800 (31.5") | — | 580 (1279) | ○ | ○ | ○ | ○ |
| 0.71 (0.93) | — | 900 (35.4") | — | 610 (1345 | ○ | ○ | ○ | ○ |
| 0.78 (1.02) | — | 1000 (39.4") | — | 650 (1433) | ○ | ○ | ○ | □ |
| 0.86 (1.12) | — | 1100 (43.3") | — | 700 (1543) | ○ | ○ | □ | △ |
| 0.96 (1.26) | — | 1200 (47.2") | — | 760 (1675) | ○ | ○ | □ | △ |
| 1.03 (1.35) | — | 1300 (51.2") | — | 810 (1786) | ○ | □ | △ | ✕ |
| 1.11 (1.45) | — | 1400 (55.1") | — | 870 (1918) | □ | △ | △ | ✕ |
| 1.19 (1.56) | — | 1500 (59.1") | — | 930 (2050) | △ | △ | ✕ | ✕ |
| 1.49 (1.95) | — | 1600 (63.0") | — | 1100 (2425) | ✕ | ✕ | ✕ | ✕ |
| 1.58 (2.07) | — | 1700 (66.9") | — | 1150 (2535) | ✕ | ✕ | ✕ | ✕ |
| **PW220-7** | | | | | 1.8 (5'11") | 2.4 (7'11") | 2.9 (9'6") | 3.5 (11'6") |
| 0.48 (0.63) | — | 600 (23.6") | — | 480 (1058) | ○ | ○ | ○ | ○ |
| 0.55 (0.72) | — | 700 (27.6") | — | 530 (1168) | ○ | ○ | ○ | ○ |
| 0.63 (0.82) | — | 800 (31.5") | — | 580 (1279) | ○ | ○ | ○ | ○ |
| 0.71 (0.93) | — | 900 (35.4") | — | 610 (1345) | ○ | ○ | ○ | ○ |
| 0.78 (1.02) | — | 1000 (39.4") | — | 650 (1433) | ○ | ○ | ○ | ○ |
| 0.86 (1.12) | — | 1100 (43.3") | — | 700 (1543) | ○ | ○ | ○ | ○ |
| 0.96 (1.26) | — | 1200 (47.2") | — | 760 (1675) | ○ | ○ | ○ | □ |
| 1.03 (1.35) | — | 1300 (51.2") | — | 810 (1786) | ○ | ○ | □ | △ |
| 1.11 (1.45) | — | 1400 (55.1") | — | 870 (1918) | ○ | □ | □ | △ |
| 1.19 (1.56) | — | 1500 (59.1") | — | 930 (2050) | ○ | □ | △ | ✕ |
| 1.49 (1.95) | — | 1600 (63.0") | — | 1100 (2425) | △ | ✕ | ✕ | ✕ |
| 1.58 (2.07) | — | 1700 (66.9") | — | 1150 (2535) | △ | ✕ | ✕ | ✕ |
| 1.68 (2.20) | — | 1800 (70.9") | — | 1200 (2646) | ✕ | ✕ | ✕ | ✕ |



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A : Reach from swing center
B : Bucket hook height
C : Lifting capacity
Cf : Rating over front
Cs : Rating over side
MAX : Rating at maximum reach
L : Arm length

## PW98MR-8 (Two-piece boom)

Conditions:
Bucket (SAE): 0.282 $m^3$, Tires: 8.25-20, additional counterweight 218 kg

unit: kg

| | Max. | | 6.0 m | | 5.0 m | | 4.0 m | |
|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 1650 mm With front blade and rear outriggers above ground | | | | | | | | |
| 4.5 m | | | 1005 | 756 | *1479 | 1098 | *1610 | *1610 |
| 3.0 m | 848 | 564 | 1005 | 713 | 1403 | 954 | 1988 | 1404 |
| 1.5 m | 825 | 540 | 930 | 672 | 1305 | 840 | 1725 | 1176 |
| 0.0 m | 867 | 570 | 987 | 683 | 1283 | 882 | 1722 | 1170 |
| ArmArm length 1900 mm With front blade and rear outriggers above ground | | | | | | | | |
| 4.5 m | | | 980 | 731 | *1479 | 1073 | *1610 | *1610 |
| 3.0 m | 798 | 514 | 980 | 688 | 1378 | 929 | 1963 | 1379 |
| 1.5 m | 800 | 515 | 905 | 647 | 1280 | 815 | 1700 | 1151 |
| 0.0 m | 817 | 520 | 962 | 658 | 1258 | 857 | 1697 | 1145 |
| Arm length 1650 mm With rear blade on ground | | | | | | | | |
| 4.5 m | | | *1566 | 836 | *1479 | 1159 | *1610 | *1610 |
| 3.0 m | *1566 | 559 | *1653 | 776 | *1940 | 1121 | *2471 | *1549 |
| 1.5 m | *1549 | 551 | *1909 | 728 | *2249 | 965 | *2975 | 1253 |
| 0.0 m | *1626 | 557 | *2004 | 728 | *2204 | 984 | *2975 | 1240 |
| Arm length 1900 mm With rear blade on ground | | | | | | | | |
| 4.5 m | | | *1456 | 932 | *1479 | 1175 | *1610 | *1610 |
| 3.0 m | *1442 | 525 | *1618 | 789 | *1918 | 1136 | *2371 | 1616 |
| 1.5 m | *1470 | 529 | *1792 | 686 | *2232 | 917 | *2971 | 1346 |
| 0.0 m | *1470 | 534 | *1846 | 700 | *2187 | 945 | *2971 | 1333 |
| Arm length 1650 mm With front blade and rear outriggers on ground | | | | | | | | |
| 4.5 m | | | *1566 | 1118 | *1479 | *1479 | *1610 | *1610 |
| 3.0 m | *1566 | 824 | *1653 | 975 | *1940 | 1342 | *2471 | 2067 |
| 1.5 m | *1549 | 852 | *1909 | 993 | *2249 | 1264 | *2975 | 1823 |
| 0.0 m | *1626 | 861 | *2004 | 993 | *2204 | 1289 | *2975 | 1804 |
| Arm length 1900 mm With front blade and rear outriggers on ground | | | | | | | | |
| 4.5 m | | | *1456 | 1050 | *1479 | *1479 | *1610 | *1610 |
| 3.0 m | *1442 | 746 | *1618 | 1058 | *1918 | 1422 | *2371 | *2371 |
| 1.5 m | *1470 | 795 | *1792 | 990 | *2232 | 1307 | *2971 | 1935 |
| 0.0 m | *1470 | 803 | *1846 | 1010 | *2187 | 1346 | *2971 | 1916 |

* Load is limited by hydrauric capacity rather than tipping.
Rating are based on ISO Standard NO. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PW118MR-8 (Two-piece boom)

Conditions:
Bucket (SAE): 0.33 $m^3$, Tires: 9.00-20, additional counterweight 388 kg

unit: kg

| | Max. | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 1850 mm With front blade and rear outriggers above ground | | | | | | | | |
| 4.5 m | *1840 | 1170 | *1910 | 1440 | *2080 | *2080 | | |
| 3.0 m | *1740 | 1030 | *2130 | 1380 | *2790 | 2160 | | |
| 1.5 m | *1780 | 1000 | *2410 | 1310 | | | | |
| 0.0 m | *1880 | 1080 | *2460 | 1280 | *3750 | 1930 | | |
| Arm length 2000 mm With front blade and rear outriggers above ground | | | | | | | | |
| 4.5 m | *1680 | 1110 | *1830 | 1440 | *1960 | *1960 | | |
| 3.0 m | *1590 | 980 | *2070 | 370 | *2680 | 2170 | | |
| 1.5 m | *1620 | 960 | *2370 | 1300 | | | | |
| 0.0 m | *1790 | 1030 | *2450 | 1270 | *3740 | 1910 | | |
| Arm length 1850 mm With rear blade on ground | | | | | | | | |
| 4.5 m | *1840 | 1208 | *1910 | *1910 | *2080 | *2080 | | |
| 3.0 m | *1740 | 1140 | *2130 | 1538 | *2790 | 2370 | | |
| 1.5 m | *1780 | 1148 | *2410 | 1508 | | | | |
| 0.0 m | *1880 | 1182 | *2460 | 1477 | *3750 | 2190 | | |
| Arm length 2000 mm With rear blade on ground | | | | | | | | |
| 4.5 m | *1680 | 1148 | *1830 | *1830 | *1960 | *1960 | | |
| 3.0 m | *1590 | 1013 | *2070 | 1508 | *2680 | 2340 | | |
| 1.5 m | *1620 | 1005 | *2370 | 1425 | | | | |
| 0.0 m | *1790 | 1075 | *2450 | 1397 | *3740 | 2198 | | |
| Arm length 1850 mm With front blade and rear outriggers on ground | | | | | | | | |
| 4.5 m | *1840 | 1373 | *1910 | *1910 | *2080 | *2080 | | |
| 3.0 m | *1740 | 1290 | *2130 | *2130 | *2790 | *2790 | | |
| 1.5 m | *1780 | 1253 | *2410 | 1703 | | | | |
| 0.0 m | *1880 | 1290 | *2460 | 1668 | *3750 | 2562 | | |
| Arm length 2000 mm With front blade and rear outriggers on ground | | | | | | | | |
| 4.5 m | *1680 | 1313 | *1830 | *1830 | *1960 | *1960 | | |
| 3.0 m | *1590 | 1170 | *2070 | *2070 | *2680 | *2680 | | |
| 1.5 m | *1620 | 1125 | *2370 | 1538 | | | | |
| 0.0 m | *1790 | 1159 | *2450 | 1507 | *3740 | 2443 | | |

* Load is limited by hydrauric capacity rather than tipping.
Rating are based on ISO Standard NO. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PW148-8 (One-piece boom)

Conditions:
Bucket (SAE): 0.48 m³, Tires: 10.00-20

unit: kg

| | Max. | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2500 mm Without stabilizer | | | | | | | | | | |
| 6.0 m | *1900 | 1850 | | | | | | | | |
| 4.5 m | *1800 | 1400 | | | 2400 | 1800 | | | | |
| 3.0 m | 1600 | 1150 | | | 2350 | 1750 | 3850 | 2850 | *7250 | 5700 |
| 1.5 m | 1550 | 1100 | | | 2200 | 1600 | 3550 | 2550 | *8300 | 4400 |
| 0.0 m | 1550 | 1100 | | | 2100 | 1500 | 3300 | 2200 | *7250 | 4050 |
| -1.5 m | 1800 | 1250 | | | 2050 | 1450 | 3250 | 2300 | *6200 | 3950 |
| -3.0 m | 2400 | 1700 | | | | | 3250 | 2350 | 6500 | 4500 |
| Arm length 2500 mm With front or rear blade | | | | | | | | | | |
| 6.0 m | *1900 | *1900 | | | | | | | | |
| 4.5 m | *1800 | 1550 | | | *3700 | 2050 | | | | |
| 3.0 m | *1850 | 1350 | | | *3950 | 1950 | *4850 | 3200 | *7250 | 6350 |
| 1.5 m | *2000 | 1250 | | | *4350 | 1800 | *5850 | 2900 | *8300 | 5400 |
| 0.0 m | *2300 | 1300 | | | *4450 | 1700 | *6100 | 2700 | *7250 | 5050 |
| -1.5 m | *2950 | 1450 | | | *4050 | 1700 | *5850 | 2650 | *6200 | 5000 |
| -3.0 m | *3100 | 1950 | | | | | *4500 | 2650 | *6500 | 5150 |
| Arm length 2500 mm With rear outrigger | | | | | | | | | | |
| 6.0 m | *1900 | *1900 | | | | | | | | |
| 4.5 m | *1800 | *1800 | | | *3700 | 2600 | | | | |
| 3.0 m | *1850 | 1750 | | | *3950 | 2500 | *4850 | 4050 | *7250 | *7250 |
| 1.5 m | *2000 | 1650 | | | *4350 | 2350 | *5850 | 3750 | *8300 | *8300 |
| 0.0 m | *2300 | 1700 | | | *4450 | 2250 | *6100 | 3550 | *7250 | *7250 |
| -1.5 m | *2950 | 1900 | | | *4050 | 2200 | *5850 | 3450 | *6200 | *6200 |
| -3.0 m | *3100 | 2550 | | | | | *4500 | 3500 | *6500 | *6500 |
| Arm length 2500 mm With outrigger and blade | | | | | | | | | | |
| 6.0 m | *1900 | *1900 | | | | | | | | |
| 4.5 m | *1800 | *1800 | | | *3700 | 3100 | | | | |
| 3.0 m | *1850 | *1850 | | | *3950 | 3000 | *4850 | 4850 | *7250 | *7250 |
| 1.5 m | *2000 | *2000 | | | *4350 | 2850 | *5850 | 4550 | *8300 | *8300 |
| 0.0 m | *2300 | 2100 | | | *4450 | 2750 | *6100 | 4300 | *7250 | *7250 |
| -1.5 m | *2950 | 2350 | | | *4050 | 2700 | *5850 | 4250 | *6200 | *6200 |
| -3.0 m | *3100 | 3100 | | | | | *4500 | 4250 | *6500 | *6500 |
| Arm length 2500 mm With outrigger front and rear | | | | | | | | | | |
| 6.0 m | *1900 | *1900 | | | | | | | | |
| 4.5 m | *1800 | *1800 | | | *3700 | *3700 | | | | |
| 3.0 m | *1850 | *1850 | | | *3950 | 3900 | *4850 | *4850 | *7250 | *7250 |
| 1.5 m | *2000 | *2000 | | | *4350 | 3750 | *5850 | *5850 | *8300 | *8300 |
| 0.0 m | *2300 | *2300 | | | *4450 | 3650 | *6100 | 5850 | *7250 | *7250 |
| -1.5 m | *2950 | *2950 | | | *4050 | 3600 | *5850 | 5750 | *6200 | *6200 |
| -3.0 m | *3100 | 3100 | | | | | *4500 | *4500 | *6500 | *6500 |

* Load is limited by hydrauric capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PW148-8 (Two-piece boom)

Conditions:
Bucket (SAE): 0.48 $m^3$, Tires: 10.00-20

unit: kg

| | Max. | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2500 mm Without stabilizer | | | | | | | | | | |
| 7.5 m | *1750 | *1750 | | | | | *3350 | *3350 | | |
| 6.0 m | *1500 | *1500 | | | 3050 | 2100 | *3450 | *3450 | | |
| 4.5 m | *1400 | 1200 | *1750 | 1250 | 3000 | 2050 | *4000 | 3450 | *3500 | *3500 |
| 3.0 m | *1400 | 1050 | 1950 | 1250 | 2900 | 1950 | 4700 | 3150 | | |
| 1.5 m | *1500 | 1000 | 1850 | 1200 | 2750 | 1800 | 4350 | 2850 | | |
| 0.0 m | *1650 | 1050 | 1800 | 1150 | 2650 | 1700 | 4150 | 2650 | *4050 | 4050 |
| -1.5 m | 1900 | 1200 | | | 2600 | 1650 | 4100 | 2600 | *6900 | 4950 |
| -3.0 m | | | | | 2650 | 1700 | 4150 | 2650 | | |
| Arm length 2500 mm With front or rear blade | | | | | | | | | | |
| 7.5 m | *1750 | *1750 | | | | | *3350 | *3350 | | |
| 6.0 m | *1500 | *1500 | | | *3150 | 2300 | *3450 | *3450 | | |
| 4.5 m | *1400 | 1400 | *1750 | 1450 | *3850 | 2250 | *4000 | 3750 | *3500 | *3500 |
| 3.0 m | *1400 | 1200 | *3150 | 1400 | *5000 | 2150 | *6450 | 3500 | | |
| 1.5 m | *1500 | 1150 | *3900 | 1350 | *5500 | 2000 | *7550 | 3200 | | |
| 0.0 m | *1650 | 1200 | *3850 | 1300 | *5700 | 1900 | *8000 | 3000 | *4050 | *4050 |
| -1.5 m | *2000 | 1350 | | | *5400 | 1850 | *7550 | 2900 | *6900 | 5500 |
| -3.0 m | | | | | *4150 | 1900 | *6150 | 2950 | | |
| Arm length 2500 mm With rear outrigger | | | | | | | | | | |
| 7.5 m | *1750 | *1750 | | | | | *3350 | *3350 | | |
| 6.0 m | *1500 | *1500 | | | *3150 | 2650 | *3450 | *3450 | | |
| 4.5 m | *1400 | *1400 | *1750 | 1700 | *3850 | 2600 | *4000 | *4000 | *3500 | *3500 |
| 3.0 m | *1400 | *1400 | *3150 | 1650 | *5000 | 2500 | *6450 | 4000 | | |
| 1.5 m | *1500 | 1400 | *3900 | 1600 | *5500 | 2350 | *7550 | 3700 | | |
| 0.0 m | *1650 | 1450 | *3850 | 1550 | *5700 | 2250 | *8000 | 3500 | *4050 | *4050 |
| -1.5 m | *2000 | 1600 | | | *5400 | 2200 | *7550 | 3450 | *6900 | 6650 |
| -3.0 m | | | | | *4150 | 2250 | *6150 | 3500 | | |
| Arm length 2500 mm With outrigger and blade | | | | | | | | | | |
| 7.5 m | *1750 | *1750 | | | | | *3350 | *3350 | | |
| 6.0 m | *1500 | *1500 | | | *3150 | *3150 | *3450 | *3450 | | |
| 4.5 m | *1400 | *1400 | *1750 | *1750 | *3850 | 3750 | *4000 | *4000 | *3500 | *3500 |
| 3.0 m | *1400 | *1400 | *3150 | 2450 | *5000 | 3600 | *6450 | 5850 | | |
| 1.5 m | *1500 | *1500 | *3900 | 2400 | *5500 | 3450 | *7550 | 5500 | | |
| 0.0 m | *1650 | *1650 | *3850 | 2350 | *5700 | 3350 | *8000 | 5250 | *4050 | *4050 |
| -1.5 m | *2000 | *2000 | | | *5400 | 3300 | *7550 | 5200 | *6900 | *6900 |
| -3.0 m | | | | | *4150 | 3350 | *6150 | 5250 | | |
| Arm length 2500 mm With outrigger front and rear | | | | | | | | | | |
| 7.5 m | *1750 | *1750 | | | | | *3350 | *3350 | | |
| 6.0 m | *1500 | *1500 | | | *3150 | *3150 | *3450 | *3450 | | |
| 4.5 m | *1400 | *1400 | *1750 | *1750 | *3850 | *3850 | *4000 | *4000 | *3500 | *3500 |
| 3.0 m | *1400 | *1400 | *3150 | 2950 | *5000 | 4350 | *6450 | *6450 | | |
| 1.5 m | *1500 | *1500 | *3900 | 2900 | *5500 | 4200 | *7550 | 6700 | | |
| 0.0 m | *1650 | *1650 | *3850 | 2850 | *5700 | 4050 | *8000 | 6500 | *4050 | *4050 |
| -1.5 m | *2000 | *2000 | | | *5400 | 4000 | *7550 | 6400 | *6900 | *6900 |
| -3.0 m | | | | | *4150 | 4050 | *6150 | *6150 | | |

* Load is limited by hydrauric capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PW160-8 (One-piece boom)

Conditions:
Bucketless, Tires: 10.00-20

unit: kg

| | Max. | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2100 mm Without stabilizer | | | | | | | | | | |
| 7.5 m | *2945 | *2945 | | | | | | | | |
| 6.0 m | *2595 | *2595 | | | 3645 | 2695 | | | | |
| 4.5 m | *2445 | 1945 | | | 3595 | 2645 | 5545 | 3995 | | |
| 3.0 m | 2395 | 1745 | 2545 | 1845 | 3445 | 2545 | 5195 | 3695 | | |
| 1.5 m | 2345 | 1695 | 2495 | 1795 | 3345 | 2395 | 4845 | 3395 | | |
| 0.0 m | 2395 | 1745 | 2445 | 1745 | 3245 | 2295 | 4695 | 3245 | | |
| -1.5 m | 2595 | 1895 | | | 3245 | 2345 | 4695 | 3195 | *7395 | 5495 |
| -3.0 m | 3195 | 2295 | | | 3245 | 2345 | 4695 | 3245 | *7045 | 5645 |
| Arm length 2100 mm With front or rear blade | | | | | | | | | | |
| 7.5 m | *2945 | *2945 | | | | | | | | |
| 6.0 m | *2595 | *2595 | | | *4245 | 3095 | | | | |
| 4.5 m | *2445 | 2245 | | | *5195 | 3045 | *5745 | 4645 | | |
| 3.0 m | *2445 | 2045 | *3845 | 2145 | *5595 | 2945 | *7195 | 4295 | | |
| 1.5 m | *2545 | 1995 | 4495 | 2095 | *5895 | 2795 | *7995 | 3995 | | |
| 0.0 m | *2795 | 1995 | *3945 | 2045 | *5895 | 2695 | *7945 | 3845 | | |
| -1.5 m | *3245 | 2195 | | | *5345 | 2695 | *7145 | 3795 | *7395 | 6745 |
| -3.0 m | *3395 | 2695 | | | *3695 | 2745 | *5545 | 3845 | *7045 | 6895 |
| Arm length 2100 mm With rear outrigger | | | | | | | | | | |
| 7.5 m | *2945 | *2945 | | | | | | | | |
| 6.0 m | *2595 | *2595 | | | *4245 | 3445 | | | | |
| 4.5 m | *2445 | *2445 | | | *5195 | 3395 | *5745 | 5195 | | |
| 3.0 m | *2445 | 2295 | *3845 | 2395 | *5595 | 3295 | *7195 | 4845 | | |
| 1.5 m | *2545 | 2195 | *4645 | 2345 | *5895 | 3145 | *7995 | 4545 | | |
| 0.0 m | *2795 | 2295 | *3945 | 2345 | *5895 | 3045 | *7945 | 4395 | | |
| -1.5 m | *3245 | 2495 | | | *5345 | 2995 | *7145 | 4345 | *7395 | *7395 |
| -3.0 m | *3395 | 2995 | | | *3695 | 3095 | *5545 | 4395 | *7045 | *7045 |
| Arm length 2100 mm With outrigger and blade | | | | | | | | | | |
| 7.5 m | *2945 | *2945 | | | | | | | | |
| 6.0 m | *2595 | *2595 | | | *4245 | *4245 | | | | |
| 4.5 m | *2445 | *2445 | | | *5195 | 4295 | *5745 | *5745 | | |
| 3.0 m | *2445 | *2445 | *3845 | 3045 | *5595 | 4195 | *7195 | 6295 | | |
| 1.5 m | *2545 | *2545 | *4645 | 2995 | *5895 | 4045 | *7995 | 5995 | | |
| 0.0 m | *2795 | *2795 | *3945 | 2945 | *5895 | 3945 | *7945 | 5795 | | |
| -1.5 m | *3245 | 3195 | | | *5345 | 3895 | *7145 | 5745 | *7395 | *7395 |
| -3.0 m | *3395 | *3395 | | | *3695 | *3695 | *5545 | *5545 | *7045 | *7045 |
| Arm length 2100 mm With outrigger front and rear | | | | | | | | | | |
| 7.5 m | *2945 | *2945 | | | | | | | | |
| 6.0 m | *2595 | *2595 | | | *4245 | *4245 | | | | |
| 4.5 m | *2445 | *2445 | | | *5195 | 5045 | *5745 | *5745 | | |
| 3.0 m | *2445 | *2445 | *3845 | 3545 | *5595 | 4895 | *7195 | *7195 | | |
| 1.5 m | *2545 | *2545 | *4645 | 3495 | *5895 | 4745 | *7995 | 7195 | | |
| 0.0 m | *2795 | *2795 | *3945 | 3445 | *5895 | 4645 | *7945 | 6995 | | |
| -1.5 m | *3245 | *3245 | | | *5345 | 4595 | *7145 | 6945 | *7395 | *7395 |
| -3.0 m | *3395 | *3395 | | | *3695 | *3695 | *5545 | *5545 | *7045 | *7045 |

* Load is limited by hydrauric capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PW160-8 (One-piece boom)

Conditions:
Bucketless, Tires: 10.00-20

unit: kg

| | Max. | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2500 mm Without stabilizer | | | | | | | | | | |
| 7.5 m | *2295 | *2295 | | | | | | | | |
| 6.0 m | *2095 | *2095 | | | 3645 | 2695 | | | | |
| 4.5 m | *2045 | 1845 | *2495 | 1895 | 3595 | 2645 | | | | |
| 3.0 m | *2095 | 1645 | 2545 | 1845 | 3495 | 2545 | 5245 | 3745 | 9995 | 6545 |
| 1.5 m | *2195 | 1595 | 2445 | 1795 | 3345 | 2395 | 4945 | 3445 | | |
| 0.0 m | 2245 | 1645 | 2395 | 1745 | 3245 | 2295 | 4745 | 3245 | *4895 | *4895 |
| -1.5 m | 2445 | 1745 | | | 3195 | 2245 | 4645 | 3195 | *7595 | 5545 |
| -3.0 m | 2895 | 2095 | | | 3195 | 2295 | 4695 | 3245 | *8045 | 5645 |
| Arm length 2500 mm With front or rear blade | | | | | | | | | | |
| 7.5 m | *2295 | *2295 | | | | | | | | |
| 6.0 m | *2095 | *2095 | | | *3695 | 3095 | | | | |
| 4.5 m | *2045 | *2045 | *2495 | 2195 | *4595 | 3045 | | | | |
| 3.0 m | *2095 | 1945 | *3795 | 2145 | *5395 | 2945 | *6895 | 4395 | *10545 | 7845 |
| 1.5 m | *2195 | 1895 | 4495 | 2095 | *5795 | 2795 | *7845 | 4095 | | |
| 0.0 m | *2445 | 1895 | 4445 | 2045 | *5895 | 2695 | *8045 | 3895 | *4895 | *4895 |
| -1.5 m | *2895 | 2095 | | | *5545 | 2645 | *7445 | 3795 | *7595 | 6745 |
| -3.0 m | *3645 | 2445 | | | *4345 | 2695 | *6045 | 3845 | *8045 | 6895 |
| Arm length 2500 mm With rear outrigger | | | | | | | | | | |
| 7.5 m | *2295 | *2295 | | | | | | | | |
| 6.0 m | *2095 | *2095 | | | *3695 | 3445 | | | | |
| 4.5 m | *2045 | *2045 | *2495 | 2445 | *4595 | 3395 | | | | |
| 3.0 m | *2095 | *2095 | *3795 | 2395 | *5395 | 3295 | *6895 | 4945 | *10545 | *9045 |
| 1.5 m | *2195 | 2095 | *4645 | 2345 | *5795 | 3145 | *7845 | 4595 | | |
| 0.0 m | *2445 | 2145 | *4545 | 2295 | *5895 | 3045 | *7845 | 4395 | *4895 | *4895 |
| -1.5 m | *2895 | 2345 | | | *5545 | 2995 | *7445 | 4345 | *7595 | *7595 |
| -3.0 m | *3645 | 2745 | | | *4345 | 3045 | *6045 | 4395 | *8045 | 7995 |
| Arm length 2500 mm With outrigger and blade | | | | | | | | | | |
| 7.5 m | *2295 | *2295 | | | | | | | | |
| 6.0 m | *2095 | *2095 | | | *3695 | *3695 | | | | |
| 4.5 m | *2045 | *2045 | *2495 | *2495 | *4595 | 4345 | | | | |
| 3.0 m | *2095 | *2095 | *3795 | 3045 | *5395 | 4195 | *6895 | 6395 | *10545 | *10545 |
| 1.5 m | *2195 | *2195 | *4645 | 2995 | *5795 | 4045 | *7845 | 6045 | | |
| 0.0 m | *2445 | *2445 | *4545 | 2945 | *5895 | 3945 | *8045 | 5845 | *4895 | *4895 |
| -1.5 m | *2895 | *2895 | | | *5545 | 3845 | *7445 | 5745 | *7595 | *7595 |
| -3.0 m | *3645 | 3545 | | | *4345 | 3895 | *6045 | 5795 | *8045 | *8045 |
| Arm length 2500 mm With outrigger front and rear | | | | | | | | | | |
| 7.5 m | *2295 | *2295 | | | | | | | | |
| 6.0 m | *2095 | *2095 | | | *3695 | *3695 | | | | |
| 4.5 m | *2045 | *2045 | *2495 | *2495 | *4595 | *4595 | | | | |
| 3.0 m | *2095 | *2095 | *3795 | 3545 | *5395 | 4895 | *6895 | *6895 | *10545 | *10545 |
| 1.5 m | *2195 | *2195 | *4645 | 3495 | *5795 | 4745 | *7845 | 7245 | | |
| 0.0 m | *2445 | *2445 | *4545 | 3445 | *5895 | 4645 | *8045 | 7045 | *4895 | *4895 |
| -1.5 m | *2895 | *2895 | | | *5545 | 4595 | *7445 | 6945 | *7595 | *7595 |
| -3.0 m | *3645 | *3645 | | | *4345 | *4345 | *6045 | *6045 | *8045 | *8045 |

* Load is limited by hydrauric capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PW160-8 (One-piece boom)

Conditions:
Bucketless, Tires: 10.00-20

unit: kg

| | Max. | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3000 mm Without stabilizer | | | | | | | | | | |
| 7.5 m | *1945 | *1945 | | | *2845 | 2645 | | | | |
| 6.0 m | *1795 | *1795 | *1945 | 1845 | *3395 | 2695 | | | | |
| 4.5 m | *1695 | 1595 | 2545 | 1845 | 3595 | 2645 | | | | |
| 3.0 m | *1695 | 1445 | 2495 | 1795 | 3445 | 2495 | 5295 | 3795 | | |
| 1.5 m | *1795 | 1395 | 2395 | 1745 | 3295 | 3345 | 4895 | 3395 | | |
| 0.0 m | *1945 | 1395 | 2345 | 1695 | 3145 | 2245 | 4645 | 3195 | *4545 | *4545 |
| -1.5 m | 2145 | 1495 | 2295 | 1645 | 3095 | 2145 | 4545 | 3095 | *6445 | 5295 |
| -3.0 m | 2445 | 1745 | | | 3095 | 2145 | 4545 | 3095 | 8595 | 5395 |
| Arm length 3000 mm With front or rear blade | | | | | | | | | | |
| 7.5 m | *1945 | *1945 | | | *2845 | *2845 | | | | |
| 6.0 m | *1795 | *1795 | *1945 | *1945 | *3395 | 3145 | | | | |
| 4.5 m | *1695 | *1695 | *3195 | 2145 | *3745 | 3045 | | | | |
| 3.0 m | *1695 | *1695 | *3845 | 2095 | *4845 | 2945 | *5945 | 4395 | | |
| 1.5 m | *1795 | 1645 | 4445 | 2045 | *5545 | 2745 | *7395 | 3995 | | |
| 0.0 m | *1945 | 1695 | 4345 | 1995 | *5795 | 2645 | *7895 | 3795 | *4545 | *4545 |
| -1.5 m | *2195 | 1795 | *4195 | 1945 | *5595 | 2545 | *7595 | 3695 | *6445 | *6445 |
| -3.0 m | *2695 | 2095 | | | *4745 | 2545 | *6495 | 3695 | *9045 | 6645 |
| Arm length 3000 mm With rear outrigger | | | | | | | | | | |
| 7.5 m | *1945 | *1945 | | | *2845 | *2845 | | | | |
| 6.0 m | *1795 | *1795 | *1945 | *1945 | *3395 | 3295 | | | | |
| 4.5 m | *1695 | *1695 | *3195 | 2295 | *3745 | 3245 | | | | |
| 3.0 m | *1695 | *1695 | *3845 | 2245 | *4845 | 3095 | *5945 | 4695 | | |
| 1.5 m | *1795 | 1745 | 4545 | 2145 | *5545 | 2945 | *7395 | 4295 | | |
| 0.0 m | *1945 | 1745 | 4445 | 2095 | *5795 | 2795 | *7895 | 4045 | *4545 | *4545 |
| -1.5 m | *2195 | 1895 | *4195 | 2045 | *5595 | 2695 | *7595 | 3945 | *6445 | *6445 |
| -3.0 m | *2695 | 2195 | | | *4745 | 2695 | *6495 | 3945 | *9045 | 7295 |
| Arm length 3000 mm With outrigger and blade | | | | | | | | | | |
| 7.5 m | *1945 | *1945 | | | *2845 | *2845 | | | | |
| 6.0 m | *1795 | *1795 | *1945 | *1945 | *3395 | *3395 | | | | |
| 4.5 m | *1695 | *1695 | *3195 | 3095 | *3745 | *3745 | | | | |
| 3.0 m | *1695 | *1695 | *3845 | 2995 | *4845 | 4195 | *5945 | *5945 | | |
| 1.5 m | *1795 | *1795 | *4545 | 2945 | *5545 | 3995 | *7395 | 5995 | | |
| 0.0 m | *1945 | *1945 | *4545 | 2845 | *5795 | 3845 | *7895 | 5745 | *4545 | *4545 |
| -1.5 m | *2195 | *2195 | *4195 | 2845 | *5595 | 3795 | *7595 | 5645 | *6445 | *6445 |
| -3.0 m | *2695 | *2695 | | | *4745 | 3795 | *6495 | 5645 | *9045 | 7295 |
| Arm length 3000 mm With outrigger front and rear | | | | | | | | | | |
| 7.5 m | *1945 | *1945 | | | *2845 | *2845 | | | | |
| 6.0 m | *1795 | *1795 | *1945 | *1945 | *3395 | *3395 | | | | |
| 4.5 m | *1695 | *1695 | *3195 | *3195 | *3745 | *3745 | | | | |
| 3.0 m | *1695 | *1695 | *3845 | 3545 | *4845 | *4845 | *5945 | *5945 | | |
| 1.5 m | *1795 | *1795 | *4545 | 3445 | *5545 | 4745 | *7395 | 7195 | | |
| 0.0 m | *1945 | *1945 | *4545 | 3345 | *5795 | 4595 | *7895 | 6945 | *4545 | *4545 |
| -1.5 m | *2195 | *2195 | *4195 | 3345 | *5595 | 4495 | *7595 | 6845 | *6445 | *6445 |
| -3.0 m | *2695 | *2695 | | | *4745 | 4495 | *6495 | *6495 | *9045 | *9045 |

* Load is limited by hydrauric capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PW160-8 (Two-piece boom)

Conditions:
Bucketless, Tires: 10.00-20

unit: kg

| | Max. | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2100 mm Without stabilizer | | | | | | | | | | |
| 7.5 m | *4195 | *4195 | | | | | | | | |
| 6.0 m | *3565 | 3005 | | | | | | | | |
| 4.5 m | *3385 | 2485 | | | 4065 | 2905 | 6065 | 4225 | *8575 | *7415 |
| 3.0 m | 3145 | 2255 | | | 3965 | 2815 | 5785 | 3965 | | |
| 1.5 m | 3045 | 2175 | | | 3845 | 2705 | 5525 | 3735 | | |
| 0.0 m | 3125 | 2225 | | | 3775 | 2635 | 5395 | 9615 | | |
| -1.5 m | 3455 | 2435 | | | 3765 | 2625 | 5375 | 3605 | *9155 | 6105 |
| -3.0 m | *4195 | *4195 | | | | | | | | |
| Arm length 2100 mm With front or rear blade | | | | | | | | | | |
| 7.5 m | *4195 | *4195 | | | | | | | | |
| 6.0 m | *3565 | 3435 | | | | | *5955 | 5015 | | |
| 4.5 m | *3385 | 2835 | | | *5955 | 3325 | *6835 | 4865 | *8575 | *7415 |
| 3.0 m | *3385 | 2575 | | | *6375 | 3225 | *8065 | 4605 | | |
| 1.5 m | *3545 | 2495 | | | *6795 | 3115 | *9065 | 4365 | | |
| 0.0 m | *3905 | 2555 | | | *6865 | 3045 | *9215 | 4235 | | |
| -1.5 m | *4635 | 2805 | | | *6285 | 3035 | *8485 | 4225 | *9155 | 7345 |
| -3.0 m | *4195 | *4195 | | | | | | | | |
| Arm length 2100 mm With rear outrigger | | | | | | | | | | |
| 7.5 m | *4195 | *4195 | | | | | | | | |
| 6.0 m | *3565 | *3565 | | | | | *5955 | *5955 | | |
| 4.5 m | *3385 | *3385 | | | *5955 | 4735 | *6835 | *6835 | *8575 | *8575 |
| 3.0 m | *3385 | *3385 | | | *6375 | 4605 | *8065 | 6715 | | |
| 1.5 m | *3545 | 3515 | | | *6795 | 4455 | *9065 | 6375 | | |
| 0.0 m | *3905 | 3605 | | | *6865 | 4365 | *9215 | 6205 | | |
| -1.5 m | *4635 | 3995 | | | *6285 | 4345 | *8485 | 6185 | *9155 | *9155 |
| -3.0 m | *4195 | *4195 | | | | | | | | |
| Arm length 2100 mm With outrigger and blade | | | | | | | | | | |
| 7.5 m | *4195 | *4195 | | | | | | | | |
| 6.0 m | *3565 | *3565 | | | | | *5955 | *5955 | | |
| 4.5 m | *3385 | *3385 | | | *5955 | 4595 | *6835 | *6835 | *8575 | *8575 |
| 3.0 m | *3385 | *3385 | | | *6375 | 4495 | *8065 | 6635 | | |
| 1.5 m | *3545 | 3435 | | | *6795 | 4375 | *9065 | 6365 | | |
| 0.0 m | *3905 | 3905 | | | *6865 | 4295 | *9215 | 6225 | | |
| -1.5 m | *4635 | 3925 | | | *6285 | 4285 | *8485 | 6215 | *9155 | *9155 |
| -3.0 m | *4195 | *4195 | | | | | | | | |
| Arm length 2100 mm With outrigger front and rear | | | | | | | | | | |
| 7.5 m | *4195 | *4195 | | | | | | | | |
| 6.0 m | *3565 | *3565 | | | | | *5955 | *5955 | | |
| 4.5 m | *3385 | *3385 | | | *5955 | *5955 | *6835 | *6835 | *8575 | *8575 |
| 3.0 m | *3385 | *3385 | | | *6375 | *6375 | *8065 | 6635 | | |
| 1.5 m | *3545 | *3545 | | | *6795 | 6385 | *9065 | 6365 | | |
| 0.0 m | *3905 | *3905 | | | *6865 | 6305 | *9215 | 6225 | | |
| -1.5 m | *4635 | *4635 | | | *6285 | *6285 | *8485 | *8485 | *9155 | *9155 |
| -3.0 m | *4195 | *4195 | | | | | | | | |

* Load is limited by hydrauric capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PW160-8 (Two-piece boom)

Conditions:
Bucketless, Tires: 10.00-20

unit: kg

| | Max. | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2500 mm Without stabilizer | | | | | | | | | | |
| 7.5 m | *3365 | *3365 | | | | | *4435 | 4335 | | |
| 6.0 m | *2945 | 2665 | | | *4065 | 2895 | *4975 | 4375 | | |
| 4.5 m | *2815 | 2235 | | | 4025 | 2855 | *5845 | 4205 | *5675 | *5675 |
| 3.0 m | *2825 | 2035 | 2905 | 2065 | 3895 | 2745 | 5745 | 3925 | | |
| 1.5 m | 2775 | 1965 | 2855 | 2015 | 3765 | 2615 | 5435 | 3645 | | |
| 0.0 m | 2845 | 2005 | | | 3665 | 2525 | 5255 | 3485 | *4715 | *4715 |
| -1.5 m | 3105 | 2165 | | | 3635 | 2495 | 5215 | 3445 | *8485 | 5805 |
| -3.0 m | | | | | | | 5285 | 3505 | | |
| Arm length 2500 mm With front or rear blade | | | | | | | | | | |
| 7.5 m | *3365 | *3365 | | | | | *4435 | *4435 | | |
| 6.0 m | *2945 | *2945 | | | *4065 | 3315 | *4975 | *4975 | | |
| 4.5 m | *2815 | 2565 | | | *5305 | 3275 | *5845 | 4855 | *5675 | *5675 |
| 3.0 m | *2825 | 2345 | *3235 | 2375 | *6055 | 3155 | *7565 | 4565 | | |
| 1.5 m | *2945 | 2265 | *4035 | 2325 | *6545 | 3025 | *8695 | 4265 | | |
| 0.0 m | *3215 | 2315 | | | *6755 | 2935 | *9085 | 4105 | *4715 | *4715 |
| -1.5 m | *3755 | 2515 | | | *6395 | 2905 | *8605 | 4065 | *8485 | 7085 |
| -3.0 m | | | | | | | *7115 | 4125 | | |
| Arm length 2500 mm With rear outrigger | | | | | | | | | | |
| 7.5 m | *3365 | *3365 | | | | | *4435 | *4435 | | |
| 6.0 m | *2945 | *2945 | | | *4065 | *4065 | *4975 | *4975 | | |
| 4.5 m | *2815 | *2815 | | | *5305 | 4675 | *5845 | *5845 | *5675 | *5675 |
| 3.0 m | *2825 | *2825 | *3235 | *3235 | *6055 | 4515 | *7565 | 6655 | | |
| 1.5 m | *2945 | *2945 | *4035 | 3275 | *6545 | 4335 | *8695 | 6255 | | |
| 0.0 m | *3215 | *3215 | | | *6755 | 4215 | *9085 | 6025 | *4715 | *4715 |
| -1.5 m | *3755 | 3565 | | | *6395 | 4175 | *8605 | 5975 | *8485 | *8485 |
| -3.0 m | | | | | | | *7115 | 6055 | | |
| Arm length 2500 mm With outrigger and blade | | | | | | | | | | |
| 7.5 m | *3365 | *3365 | | | | | *4435 | *4435 | | |
| 6.0 m | *2945 | *2945 | | | *4065 | *4065 | *4975 | *4975 | | |
| 4.5 m | *2815 | *2815 | | | *5305 | 4555 | *5845 | *5845 | *5675 | *5675 |
| 3.0 m | *2825 | *2825 | *3235 | *3235 | *6055 | 4425 | *7565 | 6595 | | |
| 1.5 m | *2945 | *2945 | *4035 | 3235 | *6545 | 4285 | *8695 | 6275 | | |
| 0.0 m | *3215 | *3215 | | | *6755 | 4185 | *9085 | 6095 | *4715 | *4715 |
| -1.5 m | *3755 | *3535 | | | *6395 | 4155 | *8605 | 6045 | *8485 | *8485 |
| -3.0 m | | | | | | | *7115 | 6115 | | |
| Arm length 2500 mm With outrigger front and rear | | | | | | | | | | |
| 7.5 m | *3365 | *3365 | | | | | *4435 | *4435 | | |
| 6.0 m | *2945 | *2945 | | | *4065 | *4065 | *4975 | *4975 | | |
| 4.5 m | *2815 | *2815 | | | *5305 | *5305 | *5845 | *5845 | *5675 | *5675 |
| 3.0 m | *2825 | *2825 | *3235 | *3235 | *6055 | *6055 | *7565 | *7565 | | |
| 1.5 m | *2945 | *2945 | *4035 | *4035 | *6545 | 6305 | *8695 | *8695 | | |
| 0.0 m | *3215 | *3215 | | | *6755 | 6195 | *9085 | *9085 | *4715 | *4715 |
| -1.5 m | *3755 | *3755 | | | *6395 | 6155 | *8605 | *8605 | *8485 | *8485 |
| -3.0 m | | | | | | | *7115 | *7115 | | |

* Load is limited by hydrauric capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PW160-8 (Two-piece boom)

Conditions:
Bucketless, Tires: 10.00-20

unit: kg

| | Max. | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 3000 mm Without stabilizer | | | | | | | | | | |
| 7.5 m | *2805 | *2805 | | | | | *4175 | *4175 | | |
| 6.0 m | *2525 | 2405 | | | *3995 | 2985 | *4105 | *-4105 | | |
| 4.5 m | *2415 | 2075 | 2985 | 2145 | 4095 | 2925 | *4535 | *4315 | | |
| 3.0 m | *2425 | 1915 | 2945 | 2105 | 3955 | 2795 | 5865 | 4035 | *10295 | 6945 |
| 1.5 m | *2505 | 1845 | 2885 | 2045 | 3805 | 2655 | 5525 | 3725 | | |
| 0.0 m | 2645 | 1875 | 2825 | 1995 | 3685 | 2545 | 5305 | 3525 | *5055 | *5055 |
| -1.5 m | 2845 | 2005 | | | 3635 | 2495 | 5215 | 3445 | *7695 | 5815 |
| -3.0 m | 3325 | 2315 | | | 3655 | 2515 | 5245 | 3475 | 9745 | 5905 |
| Arm length 3000 mm With front or rear blade | | | | | | | | | | |
| 7.5 m | *2855 | *2855 | | | | | *4235 | *4235 | | |
| 6.0 m | *2575 | *2575 | | | *4055 | 3485 | *4165 | *-4165 | | |
| 4.5 m | *2475 | 2465 | *3115 | 2545 | *4605 | 3435 | *4595 | *4595 | | |
| 3.0 m | *2475 | 2285 | *4165 | 2515 | *5815 | 3315 | *7195 | 4785 | *10455 | 8395 |
| 1.5 m | *2565 | 2225 | *4875 | 2455 | *6515 | 3185 | *8545 | 4495 | | |
| 0.0 m | *2755 | 2255 | *5025 | 2405 | *6875 | 3085 | *9225 | 4305 | *5105 | *5105 |
| -1.5 m | *3125 | 2415 | | | *6745 | 3035 | *9055 | 4225 | *7745 | 7295 |
| -3.0 m | *3885 | 2795 | | | *6775 | 3045 | *7945 | 4245 | *11065 | 7375 |
| Arm length 3000 mm With rear outrigger | | | | | | | | | | |
| 7.5 m | *2855 | *2855 | | | | | *4235 | *4235 | | |
| 6.0 m | *2575 | *2575 | | | *4055 | *4055 | *4165 | *4165 | | |
| 4.5 m | *2475 | *2475 | *3115 | *3115 | *4605 | *4605 | *4595 | *4595 | | |
| 3.0 m | *2475 | *2475 | *4165 | *3525 | *5815 | 4725 | *7195 | 6955 | *10455 | *10455 |
| 1.5 m | *2565 | *2565 | *4875 | 3445 | *6515 | 4555 | *8545 | 6565 | | |
| 0.0 m | *2755 | *2755 | *4845 | 3385 | *6875 | 4405 | *9225 | 6295 | *5105 | *5105 |
| -1.5 m | *3125 | *3125 | | | *6745 | 4335 | *9055 | 6195 | *7745 | *7745 |
| -3.0 m | *3885 | *3885 | | | *6775 | 4360 | *7945 | 6215 | *11065 | *11065 |
| Arm length 3000 mm With outrigger and blade | | | | | | | | | | |
| 7.5 m | *2805 | *2805 | | | | | *4175 | *4175 | | |
| 6.0 m | *2525 | *2525 | | | *3995 | *3995 | *4105 | *4105 | | |
| 4.5 m | *2415 | *2415 | *3055 | *3055 | *4545 | *4545 | *4535 | *4535 | | |
| 3.0 m | *2425 | *2425 | *4105 | 3335 | *5755 | 4485 | *7065 | 6725 | *10295 | *10295 |
| 1.5 m | *2505 | *2505 | *4815 | 3265 | *6375 | 4335 | *8385 | 6375 | | |
| 0.0 m | *2695 | *2695 | *4965 | 3205 | *6725 | 4215 | *9045 | 6145 | *5055 | *5055 |
| -1.5 m | *3065 | *3065 | | | *6605 | 4155 | *8875 | 6055 | *7695 | *7695 |
| -3.0 m | *3825 | 3785 | | | *5635 | 4185 | *7775 | 6085 | *10845 | *10845 |
| Arm length 3000 mm With outrigger front and rear | | | | | | | | | | |
| 7.5 m | *2805 | *2805 | | | | | *4175 | *4175 | | |
| 6.0 m | *2525 | *2525 | | | *3995 | *3995 | *4105 | *4105 | | |
| 4.5 m | *2415 | *2415 | *3055 | *3055 | *4545 | *4545 | *4535 | *4535 | | |
| 3.0 m | *2425 | *2425 | *4105 | *4105 | *4645 | *4645 | *7065 | *7065 | *10295 | *10295 |
| 1.5 m | *2505 | *2505 | *4815 | 4645 | *6375 | 6355 | *8385 | *8385 | | |
| 0.0 m | *2695 | *2695 | *4965 | 4585 | *6725 | 6225 | *9045 | *9045 | *5055 | *5055 |
| -1.5 m | *3065 | *3065 | | | *6605 | 6155 | *8875 | *8875 | *7695 | *7695 |
| -3.0 m | *3825 | *3825 | | | *5635 | *5635 | *7775 | *7775 | *10845 | *10845 |

* Load is limited by hydrauric capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PW180-7 (One-piece boom)

Conditions:
Bucketless, Undercarriage width: 2.55 m

unit: kg

| | Max. | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2250 mm Without stabilizer | | | | | | | | | | |
| 7.5 m | *3250 | *3250 | | | | | | | | |
| 6.0 m | *3000 | 2450 | | | 4050 | 3050 | | | | |
| 4.5 m | 2750 | 2000 | 2750 | 2050 | 3950 | 2950 | 6200 | 4500 | | |
| 3.0 m | 2500 | 1800 | 2700 | 2000 | 3750 | 2750 | 5700 | 4100 | | |
| 1.5 m | 2400 | 1750 | 2650 | 1900 | 3550 | 2550 | 5250 | 3650 | | |
| 0.0 m | 2450 | 1750 | 2550 | 1850 | 3400 | 2450 | 5000 | 3450 | *5150 | *5150 |
| -1.5 m | 2650 | 1900 | | | 3350 | 2400 | 4950 | 3400 | *9150 | 5900 |
| -3.0 m | 3200 | 2300 | | | 3450 | 2450 | 5000 | 3450 | *8250 | 6100 |
| Arm length 2250 mm With front or rear blade | | | | | | | | | | |
| 7.5 m | *3250 | *3250 | | | | | | | | |
| 6.0 m | *3000 | 2800 | | | *4950 | 3450 | | | | |
| 4.5 m | *2950 | 2300 | *3150 | 2350 | *6000 | 3350 | *7200 | 5150 | | |
| 3.0 m | *3000 | 2100 | 4800 | 2300 | *6500 | 3150 | *8400 | 4600 | | |
| 1.5 m | *3250 | 2000 | 4700 | 2200 | 6650 | 3000 | *9150 | 4200 | | |
| 0.0 m | *3600 | 2050 | 4650 | 2150 | 6450 | 2850 | *9200 | 3850 | *5150 | *5150 |
| -1.5 m | *4350 | 2200 | | | *6300 | 2800 | *8250 | 3800 | *9150 | 7100 |
| -3.0 m | *4150 | 2650 | | | *4750 | 2850 | *6550 | 4050 | *8250 | 7300 |
| Arm length 2250 mm With rear outrigger | | | | | | | | | | |
| 7.5 m | *3250 | *3250 | | | | | | | | |
| 6.0 m | *3000 | *3000 | | | *4950 | 3950 | | | | |
| 4.5 m | *2950 | 2650 | *3150 | 2700 | *6000 | 3850 | *7250 | 5950 | | |
| 3.0 m | *3000 | 2400 | 4950 | 2650 | *6500 | 3650 | *8400 | 5450 | | |
| 1.5 m | *3250 | 2300 | 4850 | 2550 | 6900 | 3450 | *9250 | 4900 | | |
| 0.0 m | *3600 | 2350 | 4800 | 2500 | 6700 | 3300 | *9150 | 4650 | *5150 | *5150 |
| -1.5 m | *4350 | 2550 | | | *6300 | 3250 | *8250 | 4500 | *9150 | 8700 |
| -3.0 m | *4150 | 3100 | | | *4750 | 3300 | *6550 | 4600 | *8250 | *8250 |
| Arm length 2250 mm With outrigger and blade | | | | | | | | | | |
| 7.5 m | *3250 | *3250 | | | | | | | | |
| 6.0 m | *3000 | *3000 | | | *4950 | 4950 | | | | |
| 4.5 m | *2950 | *2950 | *3150 | *3150 | *6000 | 4850 | *7250 | *7250 | | |
| 3.0 m | *3000 | *3000 | *5050 | 3350 | *6450 | 4650 | *8400 | 7050 | | |
| 1.5 m | *3250 | 2950 | 5300 | 3250 | *6900 | 4400 | *9350 | 6600 | | |
| 0.0 m | *3600 | 3050 | 5250 | 3200 | *6850 | 4050 | *9150 | 5900 | *5150 | *5150 |
| -1.5 m | *4350 | 3300 | | | *6300 | 4150 | *8350 | 5900 | *9150 | *9150 |
| -3.0 m | *4150 | 4000 | | | *4750 | 4300 | *6550 | 6350 | *8250 | *8250 |
| Arm length 2250 mm With outrigger front and rear | | | | | | | | | | |
| 7.5 m | *3250 | *3250 | | | | | | | | |
| 6.0 m | *3000 | *3000 | | | *4950 | *4950 | | | | |
| 4.5 m | *2950 | *2950 | *3150 | *3150 | *6000 | 5800 | *7250 | *7250 | | |
| 3.0 m | *3000 | *3000 | *5050 | 4000 | *6450 | 5600 | *8400 | *8500 | | |
| 1.5 m | *3250 | *3250 | *5500 | 3950 | *6900 | 5400 | *9350 | 8250 | | |
| 0.0 m | *3600 | *3600 | *5250 | 3850 | *6850 | 5000 | *9150 | 7450 | *5150 | *5150 |
| -1.5 m | *4350 | 4000 | | | *6300 | 5100 | *8350 | 7450 | *9150 | *9150 |
| -3.0 m | *4150 | *4150 | | | *4750 | *4750 | *6550 | *6550 | *8250 | *8250 |

* Load is limited by hydrauric capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PW180-7 (One-piece boom)

Conditions:
Bucketless, Undercarriage width: 2.55 m

unit: kg

| | Max. | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | | 1.5 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2600 mm | Without stabilizer | | | | | | | | | | | |
| 7.5 m | *2750 | *2750 | | | | | | | | | | |
| 6.0 m | *2550 | 2300 | | | 4100 | 3100 | | | | | | |
| 4.5 m | *2550 | 1900 | 2800 | 2100 | 4000 | 3000 | *6050 | 4600 | | | | |
| 3.0 m | 2350 | 1750 | 2750 | 2000 | 3800 | 2800 | 5800 | 4150 | 11000 | 7250 | | |
| 1.5 m | 2500 | 1800 | 2550 | 1800 | 3350 | 2350 | 4900 | 3350 | *8900 | 5850 | | |
| 0.0 m | 2300 | 1650 | 2550 | 1850 | 3450 | 2450 | 5000 | 3450 | *5850 | 5850 | | |
| -1.5 m | 2500 | 1800 | 2550 | 1800 | 3350 | 2350 | 4900 | 3350 | *8900 | 5850 | *5700 | *5700 |
| -3.0 m | 2950 | 2100 | | | 3400 | 2400 | 4950 | 3400 | *9300 | 6050 | | |
| -4.5 m | *3250 | 3000 | | | | | *4150 | 3550 | | | | |
| Arm length 2600 mm | With front or rear blade | | | | | | | | | | | |
| 7.5 m | *2750 | *2750 | | | | | | | | | | |
| 6.0 m | *2550 | *2550 | | | *4500 | 3500 | | | | | | |
| 4.5 m | *2550 | 2200 | *3700 | 2400 | *5550 | 3400 | *6000 | 5250 | | | | |
| 3.0 m | *2600 | 2000 | 4850 | 2300 | *6350 | 3200 | *8050 | 4700 | *12650 | 8550 | | |
| 1.5 m | *2800 | 1900 | 4750 | 2200 | 6700 | 3000 | *9050 | 4250 | | | | |
| 0.0 m | *3150 | 1950 | 4650 | 2150 | 6500 | 2850 | *9250 | 3850 | *5850 | *5850 | | |
| -1.5 m | *3750 | 2100 | 4600 | 2100 | 6400 | 2750 | *8550 | 3850 | *8900 | 7050 | *5700 | *5700 |
| -3.0 m | *4250 | 2850 | | | *5250 | 3250 | *7100 | 4750 | *9300 | 7250 | | |
| -4.5 m | *3250 | *3250 | | | | | *4150 | *4150 | | | | |
| Arm length 2600 mm | With rear outrigger | | | | | | | | | | | |
| 7.5 m | *2750 | *2750 | | | | | | | | | | |
| 6.0 m | *2550 | *2550 | | | *4500 | 4000 | | | | | | |
| 4.5 m | *2550 | 2550 | *3700 | 2750 | *5550 | 3900 | *6000 | 6050 | | | | |
| 3.0 m | *2600 | 2300 | *5000 | 2650 | *6350 | 3700 | *8050 | 5450 | *12650 | 10250 | | |
| 1.5 m | *2800 | 2200 | 4850 | 2550 | *6800 | 3500 | *9050 | 5000 | | | | |
| 0.0 m | *3150 | 2250 | 4800 | 2500 | 6700 | 3300 | *9250 | 4600 | *5850 | *5850 | | |
| -1.5 m | *3750 | 2400 | *4600 | 2450 | *6450 | 3250 | *8550 | 4500 | *8900 | 8650 | *5700 | *5700 |
| -3.0 m | *4250 | 2850 | | | *5250 | 3250 | *7100 | 4750 | *9300 | 8850 | | |
| -4.5 m | *3250 | *3250 | | | | | *4150 | *4150 | | | | |
| Arm length 2600 mm | With outrigger and blade | | | | | | | | | | | |
| 7.5 m | *2750 | *2750 | | | | | | | | | | |
| 6.0 m | *2550 | *2550 | | | *4500 | *4500 | | | | | | |
| 4.5 m | *2550 | *2550 | *3700 | 3450 | *5550 | 4900 | *6050 | *6050 | | | | |
| 3.0 m | *2600 | *2600 | *5000 | 3350 | *6300 | 4700 | *8050 | 7200 | *12650 | *12650 | | |
| 1.5 m | *2800 | *2800 | 5350 | 3250 | *6800 | 4450 | *9200 | 6650 | | | | |
| 0.0 m | *3150 | 2850 | 5250 | 3200 | *6900 | 4200 | *9150 | 5950 | *5850 | *5850 | | |
| -1.5 m | *3750 | 3100 | *4600 | 3150 | *6450 | 4150 | *8550 | 5900 | *8900 | *8900 | *5700 | *5700 |
| -3.0 m | *4250 | 3650 | | | *5250 | 4250 | *7100 | 6300 | *9300 | *9300 | | |
| -4.5 m | *3250 | *3250 | | | | | *4150 | *4150 | | | | |
| Arm length 2600 mm | With outrigger front and rear | | | | | | | | | | | |
| 7.5 m | *2750 | *2750 | | | | | | | | | | |
| 6.0 m | *2550 | *2550 | | | *4500 | *4500 | | | | | | |
| 4.5 m | *2550 | *2550 | *3700 | *3700 | *5550 | *5550 | *6050 | *6050 | | | | |
| 3.0 m | *2600 | *2600 | *5000 | 4050 | *6300 | 5650 | *8050 | *8050 | *12650 | *12650 | | |
| 1.5 m | *2800 | *2800 | *5450 | 3950 | *6800 | 5400 | *9200 | 8300 | | | | |
| 0.0 m | *3150 | *3150 | *5350 | 3850 | *6900 | 5000 | *9150 | 7450 | *5850 | *5850 | | |
| -1.5 m | *3750 | 3750 | *4600 | 3850 | *6450 | 5100 | *8550 | 7400 | *8900 | *8900 | *5700 | *5700 |
| -3.0 m | *4250 | *4250 | | | *5250 | 5200 | *7100 | *7100 | *9300 | *9300 | | |
| -4.5 m | *3250 | *3250 | | | | | *4150 | *4150 | | | | |

* Load is limited by hydrauric capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PW180-7 (One-piece boom)

Conditions:
Bucketless, Undercarriage width: 2.55 m

unit: kg

| | Max. | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | | 1.5 m | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2900 mm Without stabilizer | | | | | | | | | | | | |
| 7.5 m | *2450 | *2450 | | | *3100 | 3050 | | | | | | |
| 6.0 m | *2300 | 2100 | | | 4150 | 3100 | | | | | | |
| 4.5 m | *2250 | 1800 | 2800 | 2050 | 4000 | 3000 | | | | | | |
| 3.0 m | 2200 | 1600 | 2700 | 2000 | 3800 | 2800 | 5850 | 4200 | 11250 | 7500 | | |
| 1.5 m | 2150 | 1550 | 2600 | 1900 | 3550 | 2550 | 5350 | 3750 | | | | |
| 0.0 m | 2150 | 1550 | 2500 | 1800 | 3400 | 2400 | 5000 | 3400 | *6050 | 5800 | | |
| -1.5 m | 2300 | 1650 | 2450 | 1750 | 3300 | 2300 | 4850 | 3300 | *8550 | 5750 | *5350 | *5350 |
| -3.0 m | 2700 | 1900 | | | 3300 | 2300 | 4850 | 3300 | 9350 | 5900 | *8200 | *8200 |
| -4.5 m | *3400 | 2600 | | | | | *4850 | 3500 | *6200 | 6200 | | |
| Arm length 2900 mm With front or rear blade | | | | | | | | | | | | |
| 7.5 m | *2450 | *2450 | | | *3100 | *3100 | | | | | | |
| 6.0 m | *2300 | *2300 | | | *4200 | 3500 | | | | | | |
| 4.5 m | *2250 | 2050 | *3800 | 2400 | *5000 | 3400 | | | | | | |
| 3.0 m | *2350 | 1850 | 4850 | 2300 | *6100 | 3200 | *7700 | 4750 | *11800 | 8800 | | |
| 1.5 m | *2500 | 1800 | 4700 | 2200 | *6650 | 3000 | *8750 | 4250 | | | | |
| 0.0 m | *2750 | 1800 | 4600 | 2100 | 6450 | 2800 | *9200 | 3850 | *6100 | *6100 | | |
| -1.5 m | *3250 | 1950 | 4550 | 2050 | 6350 | 2700 | *8700 | 3750 | *8550 | 6950 | *5350 | *5350 |
| -3.0 m | *4150 | 2250 | | | *5500 | 2700 | *7400 | 3950 | *10000 | 7100 | *8200 | *8200 |
| -4.5 m | *3400 | 3050 | | | | | *4850 | 4100 | *6250 | *6250 | | |
| Arm length 2900 mm With rear outrigger | | | | | | | | | | | | |
| 7.5 m | *2450 | *2450 | | | *3100 | *3100 | | | | | | |
| 6.0 m | *2300 | *2300 | | | *4200 | 4000 | | | | | | |
| 4.5 m | *2250 | *2250 | *3800 | 2750 | *5000 | 3900 | | | | | | |
| 3.0 m | *2350 | 2150 | *4850 | 2650 | *6050 | 3700 | *7750 | 5500 | *11800 | 10500 | | |
| 1.5 m | *2500 | 2100 | 4850 | 2550 | *6650 | 3450 | *8800 | 5000 | | | | |
| 0.0 m | *2750 | 2100 | 4750 | 2450 | 6700 | 3250 | *9200 | 4550 | *6100 | *6100 | | |
| -1.5 m | *3250 | 2250 | 4700 | 2400 | *6550 | 3200 | *8700 | 4450 | *8550 | 8500 | *5350 | *5350 |
| -3.0 m | *4150 | 2600 | | | *5500 | 3200 | *7400 | 4650 | *10000 | 8650 | *8200 | *8200 |
| -4.5 m | *3400 | *3400 | | | | | *4850 | *4850 | *6250 | *6250 | | |
| Arm length 2900 mm With outrigger and blade | | | | | | | | | | | | |
| 7.5 m | *2450 | *2450 | | | *3100 | *3100 | | | | | | |
| 6.0 m | *2300 | *2300 | | | *4200 | *4200 | | | | | | |
| 4.5 m | *2250 | *2250 | *3800 | 3450 | *5000 | 4900 | | | | | | |
| 3.0 m | *2350 | *2350 | 4850 | 3350 | *6050 | 4700 | *7750 | 7250 | *11800 | *11800 | | |
| 1.5 m | *2500 | *2500 | 5300 | 3250 | *6650 | 4450 | *8950 | 6700 | | | | |
| 0.0 m | *2750 | 2700 | 5200 | 3150 | *6850 | 4050 | *9100 | 5900 | *6100 | *6100 | | |
| -1.5 m | *3250 | 2900 | *4900 | 3100 | *6550 | 4100 | *8800 | 5850 | *8550 | *8550 | *5350 | *5350 |
| -3.0 m | *4150 | 3400 | | | *5500 | 4150 | *7400 | 6200 | *10000 | *10000 | *8200 | *8200 |
| -4.5 m | *3400 | *3400 | | | | | *4850 | *4850 | *6250 | *6250 | | |
| Arm length 2900 mm With outrigger front and rear | | | | | | | | | | | | |
| 7.5 m | *2450 | *2450 | | | *3100 | *3100 | | | | | | |
| 6.0 m | *2300 | *2300 | | | *4200 | *4200 | | | | | | |
| 4.5 m | *2250 | *2250 | *3800 | *3800 | *5000 | *5000 | | | | | | |
| 3.0 m | *2350 | *2350 | 4850 | 4050 | *6050 | 5650 | *7750 | *7800 | *11800 | *11800 | | |
| 1.5 m | *2500 | *2500 | *5350 | 3900 | *6650 | 5400 | *8950 | 8350 | | | | |
| 0.0 m | *2750 | *2750 | *5350 | 3800 | *6850 | 4950 | *9150 | 7450 | *6100 | *6100 | | |
| -1.5 m | *3250 | *3250 | *4900 | 3750 | *6550 | 5050 | *8800 | 7350 | *8550 | *8550 | *5350 | *5350 |
| -3.0 m | *4150 | 4100 | | | *5500 | 5100 | *7400 | *7400 | *10000 | *10000 | *8200 | *8200 |
| -4.5 m | *3400 | *3400 | | | | | *4850 | *4850 | *6250 | *6250 | | |

* Load is limited by hydrauric capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PW180-7 (Two-piece boom)

Conditions:
Bucketless, Undercarriage width: 2.75 m

unit: kg

| | Max. | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2250 mm Without stabilizer | | | | | | | | | | |
| 7.5 m | *3500 | *3500 | | | | | *5350 | 5300 | | |
| 6.0 m | *3100 | 2650 | | | 4050 | 3350 | *5350 | 5300 | | |
| 4.5 m | 2700 | 2200 | 2750 | 2300 | 3950 | 3250 | 6200 | 5050 | | |
| 3.0 m | 2450 | 2000 | 2750 | 2250 | 3800 | 3100 | 5750 | 4600 | | |
| 1.5 m | 2400 | 1950 | 2650 | 2150 | 3600 | 2900 | 5300 | 4200 | | |
| 0.0 m | 2450 | 2000 | 2600 | 2100 | 3450 | 2800 | 5050 | 3950 | | |
| -1.5 m | 2700 | 2200 | | | 3400 | 2750 | 5000 | 3950 | *8250 | 7050 |
| -3.0 m | | | | | | | | | | |
| Arm length 2250 mm With front or rear blade | | | | | | | | | | |
| 7.5 m | *3500 | *3500 | | | | | *5350 | *5350 | | |
| 6.0 m | *3100 | 3000 | | | *5200 | 3800 | *5350 | *5350 | | |
| 4.5 m | *3000 | 2550 | *3650 | 2600 | *5900 | 3700 | *6450 | 5700 | | |
| 3.0 m | *3000 | 2300 | 4900 | 2550 | *6250 | 3550 | *8050 | 5250 | | |
| 1.5 m | *3150 | 2250 | 4800 | 2500 | 6700 | 3350 | *9050 | 4850 | | |
| 0.0 m | *3400 | 2300 | 4200 | 2450 | 6600 | 3200 | 9100 | 4600 | | |
| -1.5 m | *3950 | 2500 | | | *6400 | 3150 | *8550 | 4600 | *8250 | *8250 |
| -3.0 m | | | | | | | | | | |
| Arm length 2250 mm With rear outrigger | | | | | | | | | | |
| 7.5 m | *3500 | *3500 | | | | | *5350 | *5350 | | |
| 6.0 m | *3100 | *3100 | | | *5200 | 4300 | *5350 | *5350 | | |
| 4.5 m | *3000 | 2900 | *3650 | 2950 | *5900 | 4250 | *6450 | *6450 | | |
| 3.0 m | *3000 | 2650 | *5350 | 2950 | *6250 | 4050 | *8050 | 6100 | | |
| 1.5 m | *3150 | 2550 | 5300 | 2850 | *6750 | 3850 | *9050 | 5650 | | |
| 0.0 m | *3400 | 2650 | 4600 | 2800 | *6900 | 3700 | *9050 | 5450 | | |
| -1.5 m | *3950 | 2900 | | | *6400 | 3700 | *8550 | 5400 | *8250 | *8250 |
| -3.0 m | | | | | | | | | | |
| Arm length 2250 mm With outrigger and blade | | | | | | | | | | |
| 7.5 m | *3500 | *3500 | | | | | *5350 | *5350 | | |
| 6.0 m | *3100 | *3100 | | | *5200 | *5200 | *5350 | *5350 | | |
| 4.5 m | *3000 | *3000 | *3650 | *3650 | *5900 | 5250 | *6450 | *6450 | | |
| 3.0 m | *3000 | *3000 | 5200 | 3650 | *6350 | 5050 | *8200 | 6100 | | |
| 1.5 m | *3150 | 2550 | 5300 | 2850 | *6750 | 3850 | *9050 | 5650 | | |
| 0.0 m | *3400 | 2650 | 4600 | 2800 | *6900 | 3700 | *9050 | 5450 | | |
| -1.5 m | *3950 | 2900 | | | *6400 | 3700 | *8550 | 5400 | *8250 | *8250 |
| -3.0 m | *4150 | 4000 | | | *4750 | 4300 | *6550 | 6350 | *8250 | *8250 |
| Arm length 2250 mm With outrigger front and rear | | | | | | | | | | |
| 7.5 m | *3250 | *3250 | | | | | | | | |
| 6.0 m | *3000 | *3000 | | | *4950 | *4950 | | | | |
| 4.5 m | *2950 | *2950 | *3150 | *3150 | *6000 | 5800 | *7250 | *7250 | | |
| 3.0 m | *3000 | *3000 | *5050 | 4000 | *6450 | 5600 | *8400 | *8500 | | |
| 1.5 m | *3250 | *3250 | *5500 | 3950 | *6900 | 5400 | *9350 | 8250 | | |
| 0.0 m | *3600 | *3600 | *5250 | 3850 | *6850 | 5000 | *9150 | 7450 | *5150 | *5150 |
| -1.5 m | *4350 | 4000 | | | *6300 | 5100 | *8350 | 7450 | *9150 | *9150 |
| -3.0 m | *4150 | *4150 | | | *4750 | *4750 | *6550 | *6550 | *8250 | *8250 |

* Load is limited by hydrauric capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PW180-7 (Two-piece boom)

Conditions:
Bucketless, Undercarriage width: 2.75 m

unit: kg

| | Max. | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2600 mm Without stabilizer | | | | | | | | | | |
| 7.5 m | *2950 | *2950 | | | *3100 | *3100 | | | | |
| 6.0 m | *2650 | 2450 | | | 4100 | 3400 | | | | |
| 4.5 m | 2550 | 2100 | 2800 | 2300 | 4000 | 3300 | *5450 | 5150 | | |
| 3.0 m | 2350 | 1900 | 2750 | 2250 | 3850 | 3150 | 5850 | 4700 | | |
| 1.5 m | 2250 | 1850 | 2650 | 2150 | 3600 | 2950 | 5350 | 4250 | | |
| 0.0 m | 2300 | 1900 | 2600 | 2100 | 3450 | 2800 | 5100 | 4000 | | |
| -1.5 m | 2500 | 2050 | 2600 | 2100 | 3400 | 3750 | 5000 | 3900 | *8100 | 7000 |
| -3.0 m | | | | | 3450 | 2750 | 5050 | 4000 | | |
| Arm length 2600 mm With front or rear blade | | | | | | | | | | |
| 7.5 m | *2950 | *2950 | | | *3100 | *3100 | | | | |
| 6.0 m | *2650 | *2650 | | | *4650 | 3850 | | | | |
| 4.5 m | *2600 | 2400 | *4050 | 2650 | *5350 | 3750 | *5450 | *5450 | | |
| 3.0 m | *2600 | 2200 | 4900 | 2550 | *6100 | 3550 | *7700 | 5350 | | |
| 1.5 m | *2750 | 2100 | 4800 | 2500 | *6650 | 3350 | *8900 | 4900 | | |
| 0.0 m | *3000 | 2150 | 4150 | 2400 | 6600 | 3200 | *9150 | 3650 | | |
| -1.5 m | *3450 | 2350 | 4700 | 2400 | 6500 | 3150 | *8800 | 4550 | *8100 | *8100 |
| -3.0 m | | | | | *5350 | 3200 | *7300 | 4650 | | |
| Arm length 2600 mm With rear outrigger | | | | | | | | | | |
| 7.5 m | *2950 | *2950 | | | *3100 | *3100 | | | | |
| 6.0 m | *2650 | *2650 | | | *4650 | 4350 | | | | |
| 4.5 m | *2600 | *2600 | *4050 | 3000 | *5350 | 4250 | *5450 | *5450 | | |
| 3.0 m | *2600 | 2500 | *5150 | 2950 | *6100 | 4100 | *7700 | 6200 | | |
| 1.5 m | *2750 | 2450 | 5300 | 2850 | *6650 | 3900 | *8900 | 5750 | | |
| 0.0 m | *3000 | 2500 | 4600 | 2800 | *6900 | 3700 | *9150 | 5450 | | |
| -1.5 m | *3450 | 2700 | *4800 | 2750 | *6350 | 3650 | *8800 | 5350 | *8100 | *8100 |
| -3.0 m | | | | | *5350 | 3700 | *7300 | 5450 | | |
| Arm length 2600 mm With outrigger and blade | | | | | | | | | | |
| 7.5 m | *2950 | *2950 | | | *3100 | *3100 | | | | |
| 6.0 m | *2650 | *2650 | | | *4650 | *4650 | | | | |
| 4.5 m | *2600 | *2600 | *4050 | 3700 | *5350 | 5300 | *5450 | *5450 | | |
| 3.0 m | *2600 | *2600 | *5150 | 3650 | *6150 | 5100 | *7900 | 7850 | | |
| 1.5 m | *2750 | *2750 | 5150 | 3550 | *6700 | 4850 | *9050 | 7350 | | |
| 0.0 m | *3000 | *3000 | 5050 | 3450 | *6900 | 4500 | *9200 | 6550 | | |
| -1.5 m | *3450 | 3350 | *4800 | 3500 | *6550 | 4650 | *8800 | 6500 | *8100 | *8100 |
| -3.0 m | | | | | *5350 | 4700 | *7300 | 7050 | | |
| Arm length 2600 mm With outrigger front and rear | | | | | | | | | | |
| 7.5 m | *2950 | *2950 | | | *3100 | *3100 | | | | |
| 6.0 m | *2650 | *2650 | | | *4650 | *4650 | | | | |
| 4.5 m | *2600 | *2600 | *4050 | *4050 | *5350 | *5350 | *5450 | *5450 | | |
| 3.0 m | *2600 | *2600 | *5150 | 4350 | *6150 | 6100 | *7900 | *7950 | | |
| 1.5 m | *2750 | *2750 | *5400 | 4250 | *6700 | 5900 | *9050 | *9050 | | |
| 0.0 m | *3000 | *3000 | *5350 | 4100 | *6900 | 5450 | *9200 | 9150 | | |
| -1.5 m | *3450 | *3450 | *4800 | 4200 | *6550 | 5650 | *8800 | 9130 | *8100 | *8100 |
| -3.0 m | | | | | *5350 | *5350 | *7300 | *7300 | | |

* Load is limited by hydrauric capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PW180-7 (Two-piece boom)

Conditions:
Bucketless, Undercarriage width: 2.75 m

unit: kg

| | Max. | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2900 mm Without stabilizer | | | | | | | | | | |
| 7.5 m | *2600 | *2600 | | | *3600 | 3350 | | | | |
| 6.0 m | *2650 | 2300 | *2550 | 2300 | 4150 | 3400 | | | | |
| 4.5 m | *2300 | 1950 | 2800 | 2300 | 4050 | 3300 | *4650 | *4650 | | |
| 3.0 m | 2200 | 1800 | 2750 | 2250 | 3850 | 3150 | 5900 | 4750 | | |
| 1.5 m | 2100 | 1700 | 2650 | 2150 | 3600 | 2900 | 5400 | 4250 | | |
| 0.0 m | 2150 | 1750 | 2550 | 2050 | 3450 | 2750 | 5050 | 3950 | *5150 | *5150 |
| -1.5 m | 2350 | 1900 | 2500 | 2000 | 3350 | 2650 | 4950 | 3850 | *7750 | 6850 |
| -3.0 m | | | | | 3350 | 2700 | 4950 | 3900 | | |
| Arm length 2900 mm With front or rear blade | | | | | | | | | | |
| 7.5 m | *2600 | *2600 | | | *3600 | *3600 | | | | |
| 6.0 m | *2350 | *2350 | *2550 | *2550 | *4250 | 3850 | | | | |
| 4.5 m | *2300 | 2250 | *4050 | 2650 | *4800 | 3750 | *4650 | *4650 | | |
| 3.0 m | *2300 | 2050 | 4900 | 2550 | *5900 | 3550 | *7400 | 5400 | | |
| 1.5 m | *2400 | 2000 | 4750 | 2450 | *6500 | 3350 | *8650 | 5750 | | |
| 0.0 m | *2650 | 2350 | 4550 | 2750 | *6800 | 3700 | *9050 | 5400 | *5150 | *5150 |
| -1.5 m | *3000 | 2500 | *4950 | 2700 | *6600 | 3600 | *8900 | 5300 | *7750 | *7750 |
| -3.0 m | | | | | *5600 | 3600 | *7600 | 4550 | | |
| Arm length 2900 mm With rear outrigger | | | | | | | | | | |
| 7.5 m | *2600 | *2600 | | | *3600 | *3600 | | | | |
| 6.0 m | *2350 | *2350 | *2550 | *2550 | *4250 | *4250 | | | | |
| 4.5 m | *2300 | *2300 | *4050 | 3000 | *4800 | 4300 | *4650 | *4650 | | |
| 3.0 m | *2300 | *2300 | *4900 | 2950 | *5900 | 4100 | *7400 | 6250 | | |
| 1.5 m | *2400 | 2300 | 5250 | 2800 | *6550 | 3850 | *8650 | 4950 | | |
| 0.0 m | *2650 | 2000 | 4150 | 2350 | 6550 | 3150 | *9000 | 4600 | *5150 | *5150 |
| -1.5 m | *3000 | 2150 | 4650 | 2350 | 6450 | 3100 | *8900 | 4500 | *7750 | *7750 |
| -3.0 m | | | | | *5600 | 3100 | *7600 | 5350 | | |
| Arm length 2900 mm With outrigger and blade | | | | | | | | | | |
| 7.5 m | *2600 | *2600 | | | *3600 | *3600 | | | | |
| 6.0 m | *2350 | *2350 | *2550 | *2550 | *4250 | *4250 | | | | |
| 4.5 m | *2300 | *2300 | *4050 | 3700 | *4800 | *4800 | *4650 | *4650 | | |
| 3.0 m | *2300 | *2300 | *4900 | 3650 | *6000 | 5100 | *7550 | 7600 | | |
| 1.5 m | *2400 | *2400 | 5100 | 3550 | *6550 | 4850 | *8800 | 7350 | | |
| 0.0 m | *2650 | *2650 | 5000 | 3400 | *6800 | 4450 | *9100 | 6450 | *5150 | *5150 |
| -1.5 m | *3000 | *3000 | *4950 | 3400 | *6600 | 4600 | *8900 | 6450 | *7750 | *7750 |
| -3.0 m | | | | | *5600 | 4600 | *7600 | 6950 | | |
| Arm length 2900 mm With outrigger front and rear | | | | | | | | | | |
| 7.5 m | *2600 | *2600 | | | *3600 | *3600 | | | | |
| 6.0 m | *2350 | *2350 | *2550 | *2550 | *4250 | *4250 | | | | |
| 4.5 m | *2300 | *2300 | *4050 | *4050 | *4800 | *4800 | *4650 | *4650 | | |
| 3.0 m | *2300 | *2300 | *4900 | 4350 | *6000 | *6000 | *7550 | *7600 | | |
| 1.5 m | *2400 | *2400 | *5300 | 4250 | *6550 | 5850 | *8800 | *8800 | | |
| 0.0 m | *2650 | *2650 | *5350 | 4100 | *6800 | 5450 | *9100 | 8100 | *5150 | *5150 |
| -1.5 m | *3000 | *3000 | *4950 | 4100 | *6600 | 5600 | *8900 | 8100 | *7750 | *7750 |
| -3.0 m | | | | | *5600 | *5600 | *7600 | *7600 | | |

* Load is limited by hydrauric capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PW200-7 (One-piece boom)

Conditions:
Bucketless, Undercarriage width: 2.75 m

unit: kg

| | Max. | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2400 mm Without stabilizer | | | | | | | | | | |
| 7.5 m | *5160 | 4260 | | | | | | | | |
| 6.0 m | 4260 | 3150 | | | 5710 | 4210 | | | | |
| 4.5 m | 3610 | 2660 | 3910 | 2860 | 5560 | 4110 | *7610 | 6310 | | |
| 3.0 m | 3310 | 2410 | 3810 | 2760 | 5260 | 3860 | 8110 | 5710 | | |
| 1.5 m | 3210 | 2310 | 3660 | 2660 | 5010 | 3560 | 7460 | 5110 | | |
| 0.0 m | 3260 | 2310 | 3560 | 2560 | 4760 | 3360 | 7060 | 4760 | | |
| -1.5 m | 3510 | 2510 | 3510 | 2510 | 4660 | 3260 | 6960 | 4660 | *11710 | 8210 |
| -3.0 m | 4160 | 2960 | | | 4710 | 3310 | 7010 | 4710 | *13910 | 8460 |
| Arm length 2400 mm With rear blade | | | | | | | | | | |
| 7.5 m | *5160 | 4760 | | | | | | | | |
| 6.0 m | *4860 | 5560 | | | *6110 | 4760 | | | | |
| 4.5 m | *4810 | 3010 | *6110 | 3210 | *6610 | 4610 | *7610 | 7110 | | |
| 3.0 m | *4960 | 2710 | 6110 | 3160 | *7460 | 4360 | *9510 | 6510 | | |
| 1.5 m | 5110 | 2610 | 5960 | 3010 | *8310 | 4060 | *11260 | 5910 | | |
| 0.0 m | 5260 | 2660 | 5810 | 2910 | 8110 | 3860 | *12060 | 5510 | | |
| -1.5 m | 5710 | 2860 | 5760 | 2910 | 8010 | 3760 | *11860 | 5410 | *11710 | 9810 |
| -3.0 m | *6760 | 3410 | | | *7860 | 3810 | *10660 | 5510 | *14810 | 10060 |
| Arm length 2400 mm With rear outrigger | | | | | | | | | | |
| 7.5 m | *5160 | *5160 | | | | | | | | |
| 6.0 m | *4860 | 3960 | | | *6110 | 5260 | | | | |
| 4.5 m | *4810 | 3360 | *6110 | 3610 | *6610 | 5110 | *7610 | *7610 | | |
| 3.0 m | *4960 | 3060 | *6460 | 3510 | *7460 | 4860 | *9510 | 7310 | | |
| 1.5 m | *5310 | 2910 | 6560 | 3360 | *8310 | 4560 | *11260 | 6660 | | |
| 0.0 m | 5760 | 2960 | 6460 | 3260 | *8810 | 4360 | *12060 | 6310 | | |
| -1.5 m | 6360 | 3210 | 6410 | 3210 | *8760 | 4210 | *11860 | 6160 | *11710 | *11510 |
| -3.0 m | *6760 | 3810 | | | *7860 | 4310 | *10660 | 6260 | *14810 | 11810 |
| Arm length 2400 mm With outrigger and blade | | | | | | | | | | |
| 7.5 m | *5260 | *5260 | | | | | | | | |
| 6.0 m | *4910 | 4910 | | | *6210 | *6210 | | | | |
| 4.5 m | *4860 | 4160 | *6210 | 4460 | *6710 | 6360 | *7660 | *7660 | | |
| 3.0 m | *5010 | 3810 | *6560 | 4360 | *7610 | 6110 | *9660 | 9410 | | |
| 1.5 m | *5360 | 3710 | 6510 | 4260 | *8460 | 5810 | *11410 | 8710 | | |
| 0.0 m | 5710 | 3760 | 6360 | 4160 | 8910 | 5560 | *12210 | 8310 | | |
| -1.5 m | 6260 | 4060 | 6310 | 4110 | 8760 | 5410 | *12010 | 8160 | *11910 | *11910 |
| -3.0 m | *6860 | 4860 | | | *8010 | 5510 | *10810 | 8260 | *15010 | *15010 |
| Arm length 2400 mm With outrigger front and rear | | | | | | | | | | |
| 7.5 m | *5260 | *5260 | | | | | | | | |
| 6.0 m | *4910 | *4910 | | | *6210 | *6210 | | | | |
| 4.5 m | *4860 | 4860 | *6210 | 5210 | *6710 | *6710 | *7660 | *7660 | | |
| 3.0 m | *5010 | 4460 | *6560 | 5110 | *7610 | 7160 | *9660 | *9660 | | |
| 1.5 m | *5360 | 4310 | 6660 | 4960 | *8460 | 6860 | *11410 | 10560 | | |
| 0.0 m | 5910 | 4410 | 6560 | 4860 | *8960 | 6610 | *12210 | 10160 | | |
| -1.5 m | 6460 | 4810 | 6510 | 4810 | *8910 | 6460 | *12010 | 10010 | *11910 | *11910 |
| -3.0 m | *6860 | 5710 | | | *8010 | 6560 | *10810 | *10060 | *15010 | *15010 |

* Load is limited by hydrauric capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PW200-7 (Two-piece boom)

Conditions:
Bucketless, Undercarriage width: 2.55 m

unit: kg

| | Max. | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2400 mm Without stabilizer | | | | | | | | | | |
| 7.5 m | *5160 | 3810 | | | | | | | | |
| 6.0 m | 4210 | 2810 | | | 5610 | 3810 | | | | |
| 4.5 m | 3560 | 2360 | 3810 | 2560 | 5460 | 3660 | *7810 | 5660 | | |
| 3.0 m | 3210 | 2160 | 3710 | 2460 | 5160 | 3410 | 7960 | 5060 | | |
| 1.5 m | 3110 | 2060 | 3560 | 2360 | 4860 | 3160 | 7260 | 4510 | | |
| 0.0 m | 3160 | 2060 | 3460 | 2260 | 4660 | 2960 | 6860 | 4160 | | |
| -1.5 m | 3410 | 2210 | 3460 | 2210 | 4510 | 2860 | 6760 | 4060 | *11710 | 6960 |
| -3.0 m | 4060 | 2610 | | | 4610 | 2910 | 6810 | 4110 | 13560 | 7210 |
| Arm length 2400 mm With rear blade | | | | | | | | | | |
| 7.5 m | *5160 | 4260 | | | | | | | | |
| 6.0 m | *4860 | 3210 | | | *6110 | 4260 | | | | |
| 4.5 m | *4810 | 2710 | 6060 | 2910 | *6610 | 4110 | *7610 | 6360 | | |
| 3.0 m | *4960 | 2410 | 5960 | 2810 | *7460 | 3860 | *9510 | 5760 | | |
| 1.5 m | 5010 | 2310 | 5810 | 2710 | 8210 | 3610 | *11260 | 5100 | | |
| 0.0 m | 5110 | 2360 | 5680 | 2610 | 7910 | 3410 | *12060 | 4810 | | |
| -1.5 m | 5610 | 2560 | 5660 | 2560 | 7760 | 3310 | *11860 | 4710 | *11710 | 8310 |
| -3.0 m | *6760 | 3010 | | | *7860 | 3360 | *10660 | 4760 | *14810 | 8560 |
| Arm length 2400 mm With rear outrigger | | | | | | | | | | |
| 7.5 m | *5160 | 4810 | | | | | | | | |
| 6.0 m | *4860 | 3610 | | | *6110 | 4810 | | | | |
| 4.5 m | *4810 | 3060 | *6110 | 3260 | *6610 | 4660 | *7610 | 7210 | | |
| 3.0 m | *4960 | 2760 | *6460 | 3210 | *7460 | 4410 | *9510 | 6610 | | |
| 1.5 m | *5310 | 2660 | 6410 | 3060 | *8310 | 4110 | *11260 | 6010 | | |
| 0.0 m | *5660 | 2710 | 6310 | 2960 | *8810 | 3910 | *12060 | 5610 | | |
| -1.5 m | 6210 | 2910 | 6260 | 2910 | 8760 | 3810 | *11860 | 5510 | *11710 | 10060 |
| -3.0 m | *6760 | 3460 | | | *7860 | 3860 | *10660 | 5610 | *14810 | 10310 |
| Arm length 2400 mm With outrigger and blade | | | | | | | | | | |
| 7.5 m | *5260 | *5260 | | | | | | | | |
| 6.0 m | *4910 | 4560 | | | *6210 | 6060 | | | | |
| 4.5 m | *4860 | 3860 | *6210 | 4160 | *6710 | 5910 | *7760 | *7760 | | |
| 3.0 m | *5010 | 3560 | 6510 | 4060 | *7610 | 5660 | *9660 | 8660 | | |
| 1.5 m | *5360 | 3410 | 6360 | 3910 | *8460 | 5360 | *11410 | 7960 | | |
| 0.0 m | 5610 | 3460 | 6260 | 3810 | 8760 | 5110 | *12210 | 7610 | | |
| -1.5 m | 6160 | 3760 | 6210 | 3810 | 8610 | 5010 | *12010 | 7460 | *11910 | *11910 |
| -3.0 m | *6860 | 4460 | | | *8010 | 5060 | *10810 | 7560 | *15010 | *15010 |
| Arm length 2400 mm With outrigger front and rear | | | | | | | | | | |
| 7.5 m | *5260 | *5260 | | | | | | | | |
| 6.0 m | *4910 | *4910 | | | *6210 | *6210 | | | | |
| 4.5 m | *4860 | 4610 | *6210 | 4960 | *6710 | *6710 | *7760 | *7760 | | |
| 3.0 m | *5010 | 4210 | *6560 | 4860 | *7610 | 6760 | *9660 | *9660 | | |
| 1.5 m | *5360 | 4060 | 6510 | 4710 | *8460 | 6460 | *11410 | 9910 | | |
| 0.0 m | 5760 | 4160 | 6410 | 4610 | *8960 | 6210 | *12210 | 9510 | | |
| -1.5 m | 6310 | 4510 | 6360 | 4560 | 8810 | 6110 | *12010 | 9360 | *11910 | *11910 |
| -3.0 m | *6860 | 5410 | | | *8010 | 6160 | *10810 | 9460 | *15010 | *15010 |

* Load is limited by hydrauric capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PW200-7 (One-piece boom)

Conditions:
Bucketless, Undercarriage width: 2.75 m

unit: kg

| | Max. | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2900 mm Without stabilizer | | | | | | | | | | |
| 7.5 m | *3560 | *3560 | | | *4910 | 4260 | | | | |
| 6.0 m | *3360 | 2810 | *3960 | 2910 | *5560 | 4310 | | | | |
| 4.5 m | 3310 | 2410 | 3960 | 2910 | 5660 | 4160 | *6810 | 6460 | | |
| 3.0 m | 3010 | 2210 | 3810 | 2810 | 5360 | 3910 | 8310 | 5910 | *13160 | 10610 |
| 1.5 m | 2910 | 2110 | 3660 | 2660 | 5060 | 3610 | 7610 | 5260 | *7110 | *7110 |
| 0.0 m | 2960 | 2110 | 3560 | 2510 | 4810 | 3360 | 7110 | 4810 | *7710 | *7710 |
| -1.5 m | 3160 | 2260 | 3460 | 2460 | 4610 | 3210 | 6910 | 4610 | *10960 | 8110 |
| -3.0 m | 3660 | 2610 | | | 4610 | 3210 | 6910 | 4610 | 13710 | 8310 |
| Arm length 2900 mm With rear blade | | | | | | | | | | |
| 7.5 m | *3560 | *3560 | | | *4910 | 4810 | | | | |
| 6.0 m | *3360 | 3160 | *3960 | 3310 | *5560 | 4810 | | | | |
| 4.5 m | *3310 | 2710 | *5710 | 3260 | *6110 | 4660 | *6810 | *6810 | | |
| 3.0 m | *3410 | 2510 | *6110 | 3160 | *7010 | 4410 | *8710 | 6710 | *13160 | 12360 |
| 1.5 m | *3660 | 2410 | 5960 | 3010 | *7960 | 4110 | *10660 | 6010 | *7110 | *7110 |
| 0.0 m | *4010 | 2410 | 5810 | 2910 | *8160 | 3860 | *11810 | 5560 | *7710 | *7710 |
| -1.5 m | *4710 | 2560 | 5710 | 2810 | *7960 | 3710 | *11960 | 5360 | *10960 | 9710 |
| -3.0 m | *6010 | 2960 | | | *7960 | 3710 | *11160 | 5410 | *16010 | 9910 |
| Arm length 2900 mm With rear outrigger | | | | | | | | | | |
| 7.5 m | *3560 | *3560 | | | *4910 | *4910 | | | | |
| 6.0 m | *3360 | *3360 | *3960 | 3660 | *5560 | 5310 | | | | |
| 4.5 m | *3310 | 3060 | *5710 | 3660 | *6110 | 5160 | *6810 | *6810 | | |
| 3.0 m | *3410 | 2810 | *6110 | 3510 | *7010 | 4910 | *8710 | 7510 | *13160 | *13160 |
| 1.5 m | *3660 | 2710 | *6610 | 3360 | *7960 | 4610 | *10660 | 6810 | *7110 | *7110 |
| 0.0 m | *4010 | 2710 | 6410 | 3260 | *8660 | 4360 | *11810 | 6360 | *7710 | *7710 |
| -1.5 m | *4710 | 2910 | 6360 | 3160 | *8760 | 4160 | *11960 | 6160 | *10960 | *10960 |
| -3.0 m | *6010 | 3360 | | | *8260 | 4210 | *11160 | 6160 | *16010 | 11610 |
| Arm length 2900 mm With outrigger and blade | | | | | | | | | | |
| 7.5 m | *3610 | *3610 | | | *5010 | *5010 | | | | |
| 6.0 m | *3410 | *3410 | *4010 | *4010 | *5610 | *5610 | | | | |
| 4.5 m | *3360 | *3360 | *5760 | 4510 | *6210 | *6210 | *6910 | *6910 | | |
| 3.0 m | *3460 | *3460 | *6210 | 4410 | *7110 | 6160 | *8860 | 8860 | *13310 | *13310 |
| 1.5 m | *3710 | 3410 | 6510 | 4260 | *8060 | 5860 | *10810 | 8860 | *7210 | *7210 |
| 0.0 m | *4110 | 3410 | 6360 | 4110 | *8760 | 5560 | *12010 | 8360 | *7810 | *7810 |
| -1.5 m | *4760 | 3660 | 6260 | 4060 | 8710 | 5410 | *12160 | 8160 | *11110 | *11110 |
| -3.0 m | *6110 | 4260 | | | *8410 | 5410 | *11310 | 8160 | *16210 | *16210 |
| Arm length 2900 mm With outrigger front and rear | | | | | | | | | | |
| 7.5 m | *3610 | *3610 | | | *5010 | *5010 | | | | |
| 6.0 m | *3410 | *3410 | *4010 | *4010 | *5610 | *5610 | | | | |
| 4.5 m | *3360 | *3360 | *5760 | 5260 | *6210 | *6210 | *6910 | *6910 | | |
| 3.0 m | *3460 | *3460 | *6210 | 5160 | *7110 | *7110 | *8860 | *8860 | *13310 | *13310 |
| 1.5 m | *3710 | *3710 | 6660 | 5010 | *8060 | 6910 | *10810 | 10760 | *7210 | *7210 |
| 0.0 m | *4110 | 4010 | 6510 | 4860 | *8760 | 6610 | *12010 | 10210 | *7810 | *7810 |
| -1.5 m | *4760 | 4310 | 6460 | 4760 | *8910 | 6460 | *12160 | 9960 | *11110 | *11110 |
| -3.0 m | *6110 | 5010 | | | *8410 | 6460 | *11310 | 9310 | *16210 | *16210 |

* Load is limited by hydrauric capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PW200-7 (Two-piece boom)

Conditions:
Bucketless, Undercarriage width: 2.55 m

unit: kg

| | Max. | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2900 mm Without stabilizer | | | | | | | | | | |
| 7.5 m | *3560 | *3560 | | | *4910 | 3860 | | | | |
| 6.0 m | *3360 | 2510 | 3860 | 2610 | *5560 | 3860 | | | | |
| 4.5 m | 3210 | 2160 | 3860 | 2610 | 5510 | 3760 | *6810 | 5810 | | |
| 3.0 m | 2960 | 1960 | 3760 | 2510 | 5260 | 3510 | 8160 | 5210 | *13160 | 9260 |
| 1.5 m | 2860 | 1860 | 3610 | 2360 | 4910 | 3210 | 7410 | 4610 | *7110 | *7110 |
| 0.0 m | 2860 | 1860 | 3460 | 2210 | 4660 | 2960 | 6910 | 4160 | *7710 | 6960 |
| -1.5 m | 3060 | 1960 | 3360 | 2160 | 4510 | 2810 | 2710 | 4010 | *10960 | 6960 |
| -3.0 m | 3560 | 2260 | | | 4510 | 2810 | 6710 | 4010 | 13310 | 7010 |
| Arm length 2900 mm With rear blade | | | | | | | | | | |
| 7.5 m | *3560 | *3560 | | | *4910 | 4310 | | | | |
| 6.0 m | *3360 | 2860 | *3960 | 2960 | *5560 | 4360 | | | | |
| 4.5 m | *3310 | 2460 | *5710 | 2960 | *6110 | 4210 | *6810 | 6510 | | |
| 3.0 m | *3410 | 2210 | 6010 | 2810 | *7010 | 3960 | *8710 | 5960 | *13160 | 10710 |
| 1.5 m | *3660 | 2110 | 5810 | 2710 | *7960 | 3660 | *10660 | 5310 | *7110 | *7110 |
| 0.0 m | *4010 | 2160 | 5660 | 2560 | 7960 | 3410 | *11810 | 4860 | *7710 | *7710 |
| -1.5 m | *4710 | 2260 | 5560 | 2510 | 7760 | 3260 | *11960 | 4660 | *10960 | 8210 |
| -3.0 m | 5910 | 2610 | | | 7760 | 3260 | *11160 | 4710 | *16010 | 8410 |
| Arm length 2900 mm With rear outrigger | | | | | | | | | | |
| 7.5 m | *3560 | *3560 | | | *4910 | 4860 | | | | |
| 6.0 m | *3360 | 3210 | *3960 | 3360 | *5560 | 4910 | | | | |
| 4.5 m | *3310 | 2760 | *5710 | 3310 | *6110 | 4760 | *6810 | *6810 | | |
| 3.0 m | *3410 | 2510 | *6110 | 3210 | *7010 | 4460 | *8710 | 6810 | *13160 | 12660 |
| 1.5 m | *3660 | 2460 | 6410 | 3060 | *7960 | 4160 | *10660 | 6110 | *7110 | *7110 |
| 0.0 m | *4010 | 2460 | 6260 | 2960 | *8660 | 3910 | *11810 | 5660 | *7710 | *7710 |
| -1.5 m | *4710 | 2610 | 6210 | 2860 | *8710 | 3760 | *11960 | 5460 | *10960 | 9960 |
| -3.0 m | *6010 | 3010 | | | *8260 | 3760 | *11160 | 5510 | *16010 | 10110 |
| Arm length 2900 mm With outrigger and blade | | | | | | | | | | |
| 7.5 m | *3610 | *3610 | | | *5010 | *5010 | | | | |
| 6.0 m | *3410 | *3410 | *4010 | *4010 | *5610 | *5610 | | | | |
| 4.5 m | *3360 | *3360 | *5760 | 4210 | *6210 | 6010 | *6910 | *6910 | | |
| 3.0 m | *3460 | 3260 | *6210 | 4410 | *7110 | 5710 | *8860 | 8860 | *13310 | *13310 |
| 1.5 m | *3710 | 3160 | 6410 | 3960 | *8060 | 5410 | *10810 | 8110 | *7210 | *7210 |
| 0.0 m | *4110 | 3160 | 6260 | 3810 | *8760 | 5160 | *12010 | 7660 | *7810 | *7810 |
| -1.5 m | *4760 | 3410 | 6160 | 3760 | 8560 | 4960 | *12160 | 7460 | *11110 | *11110 |
| -3.0 m | *6110 | 3910 | | | *8410 | 4960 | *11310 | 7460 | *16210 | *14810 |
| Arm length 2900 mm With outrigger front and rear | | | | | | | | | | |
| 7.5 m | *3610 | *3610 | | | *5010 | *5010 | | | | |
| 6.0 m | *3410 | *3410 | *4010 | *4010 | *5610 | *5610 | | | | |
| 4.5 m | *3360 | *3360 | *5760 | 5010 | *6210 | *6210 | *6910 | *6910 | | |
| 3.0 m | *3460 | *3460 | *6210 | 4860 | *7110 | 6860 | *8860 | *8860 | *13310 | *13310 |
| 1.5 m | *3710 | *3710 | 6560 | 4710 | *8060 | 6510 | *10810 | 10060 | *7210 | *7210 |
| 0.0 m | *4110 | 3810 | 6410 | 4560 | *8760 | 6260 | *12010 | 9560 | *7810 | *7810 |
| -1.5 m | *4760 | 4110 | 6310 | 4510 | 8760 | 6060 | *12160 | 9310 | *11110 | *11110 |
| -3.0 m | *6110 | 4760 | | | *8410 | 6060 | *11310 | 9310 | *16210 | *16210 |

* Load is limited by hydrauric capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PW220-7 (One-piece boom)

Conditions:
Bucketless, Undercarriage width: 2.75 m, HD counterweight

unit: kg

| | Max. | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2400 mm Without stabilizer | | | | | | | | | | |
| 7.5 m | *5010 | 4260 | | | *5810 | 4510 | | | | |
| 6.0 m | 4360 | 3260 | | | 6060 | 4560 | | | | |
| 4.5 m | 3760 | 2810 | 4210 | 3160 | 5910 | 4410 | 9210 | 6660 | | |
| 3.0 m | 3460 | 2560 | 4110 | 3060 | 5660 | 4160 | 8460 | 6010 | | |
| 1.5 m | 3360 | 2510 | 4010 | 2960 | 5410 | 3910 | 7960 | 5560 | | |
| 0.0 m | 3410 | 2510 | 3910 | 2860 | 5110 | 3660 | 7660 | 5310 | | |
| -1.5 m | 3710 | 2710 | 3860 | 2860 | 5010 | 3560 | 7610 | 5260 | *10510 | 9310 |
| -3.0 m | 4310 | 3160 | | | 5160 | 3710 | 7710 | 5360 | *9860 | 9560 |
| Arm length 2400 mm With rear blade | | | | | | | | | | |
| 7.5 m | *5010 | 4810 | | | *5810 | 5110 | | | | |
| 6.0 m | *4760 | 3710 | | | *7560 | 5160 | | | | |
| 4.5 m | *4810 | 3210 | 6660 | 3610 | *8960 | 5010 | *10710 | 7560 | | |
| 3.0 m | *4960 | 2960 | 6560 | 3510 | 9310 | 4760 | *12710 | 6960 | | |
| 1.5 m | 5360 | 2910 | 6410 | 3410 | 9010 | 4560 | *13610 | 6510 | | |
| 0.0 m | 5460 | 2960 | 6310 | 3360 | 8710 | 4310 | *13060 | 6260 | | |
| -1.5 m | 5960 | 3160 | 6310 | 3310 | 8610 | 4210 | *11360 | 6210 | *10510 | *10510 |
| -3.0 m | *5210 | 3660 | | | *6760 | 4360 | *8760 | 6310 | *10110 | *10110 |
| Arm length 2400 mm With rear outrigger | | | | | | | | | | |
| 7.5 m | *5010 | *5010 | | | *5810 | 5560 | | | | |
| 6.0 m | *4760 | 4010 | | | *7560 | 5610 | | | | |
| 4.5 m | *4810 | 3460 | *7060 | 3910 | *8860 | 5460 | *10710 | 8310 | | |
| 3.0 m | *4960 | 3210 | 7110 | 3810 | *9560 | 5210 | *12560 | 7610 | | |
| 1.5 m | *5360 | 3110 | 6960 | 3660 | 9910 | 4910 | *13460 | 7160 | | |
| 0.0 m | 5910 | 3160 | 6860 | 3610 | 9560 | 3660 | *12860 | 6860 | | |
| -1.5 m | *5910 | 3410 | *6460 | 3560 | *8560 | 4560 | *11210 | 6910 | *10510 | *10510 |
| -3.0 m | *5110 | 3960 | | | *6660 | 4710 | *8560 | 6910 | *9860 | *9860 |
| Arm length 2400 mm With outrigger and blade | | | | | | | | | | |
| 7.5 m | *5110 | *5110 | | | *5860 | *5860 | | | | |
| 6.0 m | *4860 | *4860 | | | *7660 | 6810 | | | | |
| 4.5 m | *4860 | 4260 | 6510 | 4660 | *9010 | 6660 | *10860 | 10410 | | |
| 3.0 m | *5060 | 3910 | 6510 | 4660 | 9210 | 6410 | *12760 | 9660 | | |
| 1.5 m | 5360 | 3810 | 6410 | 4510 | 8910 | 6110 | *13660 | 9160 | | |
| 0.0 m | 5460 | 3910 | 6310 | 4460 | 8560 | 5860 | *13060 | 8810 | | |
| -1.5 m | 5960 | 4210 | 6260 | 4410 | 8460 | 5760 | *11360 | 8760 | *10660 | *10660 |
| -3.0 m | *5210 | 4910 | | | *6760 | 5910 | *8710 | *8710 | *10060 | *10060 |
| Arm length 2400 mm With outrigger front and rear | | | | | | | | | | |
| 7.5 m | *5110 | *5110 | | | *5860 | *5860 | | | | |
| 6.0 m | *4860 | *4860 | | | *7660 | *7660 | | | | |
| 4.5 m | *4860 | *4860 | *7110 | 5560 | *9010 | 7860 | *10860 | *10860 | | |
| 3.0 m | *5060 | 4610 | 7160 | 5460 | *9660 | 7560 | *12760 | 11710 | | |
| 1.5 m | *5460 | 4460 | 7060 | 5310 | 9910 | 7260 | *13660 | 11160 | | |
| 0.0 m | 6010 | 4560 | 6910 | 5210 | 9560 | 6960 | *13060 | 10810 | | |
| -1.5 m | *6010 | 4960 | *6560 | 5210 | *8660 | 6860 | *11360 | 10760 | *10660 | *10660 |
| -3.0 m | *5210 | *5210 | | | *6760 | *6760 | *8710 | *8710 | *10060 | *10060 |

* Load is limited by hydrauric capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PW220-7 (One-piece boom)

Conditions:
Bucketless, Undercarriage width: 2.75 m, HD counterweight

unit: kg

| | Max. | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2900 mm Without stabilizer | | | | | | | | | | |
| 7.5 m | *3410 | *3410 | | | *5210 | 4610 | | | | |
| 6.0 m | *3310 | 2960 | 4310 | 3210 | *6060 | 4610 | | | | |
| 4.5 m | *3310 | 2560 | 4260 | 3210 | 5960 | 4460 | | | | |
| 3.0 m | 3210 | 3260 | 4110 | 3060 | 5710 | 4210 | 8760 | 6260 | 17160 | 11060 |
| 1.5 m | 3110 | 2310 | 4010 | 2960 | 5410 | 3960 | 8110 | 5560 | | |
| 0.0 m | 3160 | 2310 | 3860 | 2860 | 5160 | 3710 | 7710 | 5310 | *6710 | *6710 |
| -1.5 m | 3360 | 2460 | 3810 | 2760 | 4960 | 3510 | 7560 | 5210 | *9960 | 9210 |
| -3.0 m | 3810 | 2810 | 3860 | 2810 | 5010 | 2560 | 7610 | 5210 | *12010 | 9410 |
| Arm length 2900 mm With rear blade | | | | | | | | | | |
| 7.5 m | *3410 | *3410 | | | *5210 | 5160 | | | | |
| 6.0 m | *3310 | 3310 | *4610 | 3610 | *6060 | 5160 | | | | |
| 4.5 m | *3310 | 2860 | *6060 | 3560 | *7360 | 5010 | | | | |
| 3.0 m | *3410 | 2660 | 6460 | 3460 | *9210 | 4710 | *12060 | 7060 | *18910 | 12810 |
| 1.5 m | *3660 | 2560 | 6310 | 3310 | 8910 | 4460 | *13260 | 6460 | | |
| 0.0 m | *4060 | 2610 | 6210 | 3210 | 8610 | 4210 | *13160 | 6110 | *6710 | *6710 |
| -1.5 m | *4760 | 2760 | 6110 | 3160 | 8360 | 4010 | *11910 | 5960 | *9960 | *9960 |
| -3.0 m | *5110 | 3160 | *5160 | 3160 | *7360 | 4060 | *9610 | 6010 | *12010 | 11060 |
| Arm length 2900 mm With rear outrigger | | | | | | | | | | |
| 7.5 m | *3410 | *3410 | | | *5210 | *5210 | | | | |
| 6.0 m | *3310 | *3310 | *4610 | 3960 | *6060 | 5660 | | | | |
| 4.5 m | *3310 | 3160 | *6060 | 3910 | *7360 | 5510 | | | | |
| 3.0 m | *3410 | 2960 | 7110 | 3810 | *9210 | 5260 | *12060 | 7910 | *18910 | 14710 |
| 1.5 m | *3660 | 2860 | 6960 | 3660 | 9760 | 4960 | *13260 | 7260 | | |
| 0.0 m | *4060 | 2910 | 6810 | 3560 | 9610 | 4710 | *13160 | 6910 | *6710 | *6710 |
| -1.5 m | *4760 | 3110 | 6760 | 3510 | 8910 | 4510 | *11910 | 6760 | *9960 | *9960 |
| -3.0 m | *5110 | 3510 | *5160 | 3560 | *7360 | 4560 | *9610 | 6810 | *12010 | *12010 |
| Arm length 2900 mm With outrigger and blade | | | | | | | | | | |
| 7.5 m | *3460 | *3460 | | | *5260 | *5260 | | | | |
| 6.0 m | *3360 | *3360 | *4660 | *4660 | *6160 | *6160 | | | | |
| 4.5 m | *3360 | *3360 | *6160 | 4810 | *7460 | 6710 | | | | |
| 3.0 m | *3460 | *3460 | 6560 | 4660 | 9260 | 6460 | *12210 | 9910 | *19160 | *19160 |
| 1.5 m | *3710 | 3510 | 6410 | 4510 | 8960 | 6160 | *13460 | 9260 | | |
| 0.0 m | *4110 | 3560 | 6260 | 4410 | 8610 | 5860 | *13360 | 8860 | *6810 | *6810 |
| -1.5 m | *4810 | 3810 | 6210 | 4360 | 8410 | 5710 | *12060 | 8710 | *10060 | *10060 |
| -3.0 m | *5210 | 4360 | *5260 | 4360 | *7460 | 5760 | *9760 | 8760 | *12210 | *12210 |
| Arm length 2900 mm With outrigger front and rear | | | | | | | | | | |
| 7.5 m | *3460 | *3460 | | | *5260 | *5260 | | | | |
| 6.0 m | *3360 | *3360 | *4660 | *4660 | *6160 | *6160 | | | | |
| 4.5 m | *3360 | *3360 | *6160 | 5160 | *7460 | 7360 | | | | |
| 3.0 m | *3460 | *3460 | 6710 | 5060 | *9260 | 7060 | *12060 | 11160 | *18910 | *19160 |
| 1.5 m | *3710 | *3710 | 6560 | 4910 | 9260 | 6760 | *13410 | 10460 | | |
| 0.0 m | *4110 | 3860 | 6410 | 4810 | 8910 | 5860 | *13360 | 8860 | *6810 | *6810 |
| -1.5 m | *4810 | 4110 | 6360 | 4710 | 8710 | 6260 | *12260 | 9860 | *10060 | *10060 |
| -3.0 m | *5360 | 4760 | *5410 | 4760 | *7660 | 6310 | *10060 | 9910 | *12210 | *12210 |

* Load is limited by hydrauric capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PW220-7 (Two-piece boom)

Conditions:
Bucketless, Undercarriage width: 2.75 m, HD counterweight

unit: kg

| | Max. | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2400 mm Without stabilizer | | | | | | | | | | |
| 7.5 m | *5160 | 4660 | | | | | | | | |
| 6.0 m | 4660 | 3460 | | | 6210 | 4610 | | | | |
| 4.5 m | 3960 | 2960 | 4260 | 3160 | 6060 | 4510 | *8260 | 6860 | | |
| 3.0 m | 3610 | 2660 | 4160 | 3060 | 5760 | 4260 | 8860 | 6260 | | |
| 1.5 m | 3510 | 2560 | 4060 | 2960 | 5510 | 3960 | 8160 | 5710 | | |
| 0.0 m | 3560 | 2610 | 3910 | 2860 | 5260 | 3760 | 7760 | 5360 | | |
| -1.5 m | 3760 | 2710 | 3910 | 2810 | 5160 | 3660 | 7660 | 5260 | *9910 | 9210 |
| -3.0 m | 4610 | 3310 | | | 5210 | 3710 | 7710 | 5310 | 15310 | 9460 |
| Arm length 2400 mm With rear blade | | | | | | | | | | |
| 7.5 m | *5160 | *5160 | | | | | | | | |
| 6.0 m | *4860 | 3910 | | | *6610 | 5160 | | | | |
| 4.5 m | *4810 | 3310 | *6310 | 3560 | *7210 | 5010 | *8260 | 7710 | | |
| 3.0 m | *4960 | 3010 | 6560 | 3460 | *8110 | 4760 | *10310 | 7110 | | |
| 1.5 m | *5310 | 2910 | 6410 | 3360 | *9060 | 4510 | *12210 | 6510 | | |
| 0.0 m | 5660 | 2960 | 6310 | 3260 | 8810 | 4260 | *13110 | 6160 | | |
| -1.5 m | 6210 | 3160 | 6260 | 3210 | 8660 | 4160 | *12910 | 6010 | *11710 | 10910 |
| -3.0 m | *7360 | 3760 | | | *8560 | 4210 | *11610 | 6110 | *16160 | 11160 |
| Arm length 2400 mm With rear outrigger | | | | | | | | | | |
| 7.5 m | *5160 | *5160 | | | | | | | | |
| 6.0 m | *4860 | 4310 | | | *6610 | 5660 | | | | |
| 4.5 m | *4810 | 3660 | *6310 | 3910 | *7210 | 5560 | *8260 | *8260 | | |
| 3.0 m | *4960 | 3360 | *7010 | 3810 | *8110 | 5310 | *10310 | 7960 | | |
| 1.5 m | *5310 | 3210 | 7060 | 3710 | *9060 | 5010 | *12210 | 7310 | | |
| 0.0 m | *5960 | 3260 | 6960 | 3610 | *9610 | 4760 | *13110 | 6960 | | |
| -1.5 m | 6860 | 3560 | 6910 | 3560 | *9560 | 4660 | *12910 | 6810 | *11710 | *11710 |
| -3.0 m | *7360 | 4210 | | | *8560 | 4710 | *11610 | 6910 | *16160 | 13010 |
| Arm length 2400 mm With outrigger and blade | | | | | | | | | | |
| 7.5 m | *5260 | *5260 | | | | | | | | |
| 6.0 m | *4910 | *4910 | | | *6710 | *6710 | | | | |
| 4.5 m | *4860 | 4510 | *6360 | 4860 | *7310 | 6860 | *8360 | *8360 | | |
| 3.0 m | *5010 | 4160 | 7110 | 4760 | *8260 | 6610 | *10510 | 10160 | | |
| 1.5 m | *5360 | 4010 | 6960 | 4610 | *9160 | 6310 | *12410 | 9460 | | |
| 0.0 m | *6010 | 4110 | 6860 | 4510 | 9610 | 6060 | *13310 | 9060 | | |
| -1.5 m | 6760 | 4460 | 6810 | 4460 | 9460 | 5910 | *13110 | 8910 | *11910 | *11910 |
| -3.0 m | *7460 | 5260 | | | *8710 | 6010 | *11810 | 9010 | *16410 | *16410 |
| Arm length 2400 mm With outrigger front and rear | | | | | | | | | | |
| 7.5 m | *5260 | *5260 | | | | | | | | |
| 6.0 m | *4910 | *4910 | | | *6710 | *6710 | | | | |
| 4.5 m | *4860 | *4860 | *6360 | 5610 | *7310 | *7310 | *8360 | *8360 | | |
| 3.0 m | *5010 | 4810 | *7110 | 5510 | *8260 | 7710 | *10510 | *10510 | | |
| 1.5 m | *5360 | 4660 | 7160 | 5410 | *9160 | 7410 | *12410 | 11410 | | |
| 0.0 m | *6010 | 4760 | 7010 | 5260 | *9760 | 7160 | *13310 | 11010 | | |
| -1.5 m | 6910 | 5210 | 7010 | 5260 | 9710 | 7060 | *13110 | 10860 | *11910 | *11910 |
| -3.0 m | *7460 | 6210 | | | *8710 | 7110 | *11760 | 10960 | *16410 | *16410 |

* Load is limited by hydrauric capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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## PW220-7 (Two-piece boom)

Conditions:
Bucketless, Undercarriage width: 2.75 m, HD counterweight

unit: kg

| | Max. | | 7.5 m | | 6.0 m | | 4.5 m | | 3.0 m | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| Arm length 2900 mm Without stabilizer | | | | | | | | | | |
| 7.5 m | *3560 | *3560 | | | *4910 | 4660 | | | | |
| 6.0 m | *3360 | 3110 | *3960 | 3260 | *5910 | 4710 | | | | |
| 4.5 m | *3310 | 2660 | 4310 | 3210 | 6160 | 4560 | *7060 | 7060 | | |
| 3.0 m | 3310 | 2460 | 4210 | 3110 | 5860 | 4310 | 9060 | 6460 | *14210 | 11660 |
| 1.5 m | 3210 | 2360 | 4060 | 2960 | 5510 | 4010 | 8310 | 5810 | *7110 | *7110 |
| 0.0 m | 3260 | 2360 | 3910 | 2860 | 5260 | 3760 | 7810 | 5360 | *7710 | *7710 |
| -1.5 m | 3510 | 2510 | 3860 | 2760 | 5110 | 3610 | 7610 | 5210 | *10960 | 9160 |
| -3.0 m | 4010 | 2910 | | | 5110 | 3610 | 7610 | 6210 | 15110 | 9310 |
| Arm length 2900 mm With rear blade | | | | | | | | | | |
| 7.5 m | *3560 | *3560 | | | *4910 | *4910 | | | | |
| 6.0 m | *3360 | *3360 | *3960 | 3610 | *5910 | 5260 | | | | |
| 4.5 m | *3310 | 3010 | *5710 | 3610 | *6610 | 5110 | *7060 | *7060 | | |
| 3.0 m | *3410 | 2760 | 6610 | 3510 | *7610 | 4810 | *9460 | 7310 | *14210 | 13460 |
| 1.5 m | *3660 | 2660 | 6460 | 3360 | *8660 | 4510 | *11610 | 6610 | *7110 | *7110 |
| 0.0 m | *4010 | 2710 | 6310 | 3210 | 8860 | 4310 | *12860 | 6160 | *7710 | *7710 |
| -1.5 m | *4710 | 2860 | 6210 | 3160 | 8610 | 4110 | *13010 | 6010 | *10960 | 10810 |
| -3.0 m | *6010 | 3310 | | | 8660 | 4160 | *12160 | 6010 | *16010 | 11010 |
| Arm length 2900 mm With rear outrigger | | | | | | | | | | |
| 7.5 m | *3560 | *3560 | | | *4910 | *4910 | | | | |
| 6.0 m | *3360 | *3360 | *3960 | *3960 | *5910 | 5760 | | | | |
| 4.5 m | *3310 | *3310 | *5710 | 3960 | *6610 | 5610 | *7060 | *7060 | | |
| 3.0 m | *3410 | 3060 | *6660 | 3860 | *7610 | 5360 | *9460 | 8160 | *14210 | *14210 |
| 1.5 m | *3660 | 2960 | 7110 | 3710 | *8660 | 5060 | *11610 | 7460 | *7110 | *7110 |
| 0.0 m | *4010 | 3010 | 6960 | 3560 | *9410 | 4810 | *12860 | 7010 | *7710 | *7710 |
| -1.5 m | *4710 | 3210 | 6860 | 3510 | *9560 | 4610 | *13010 | 6810 | *10960 | *10960 |
| -3.0 m | *6010 | 3710 | | | *9010 | 4660 | *12160 | 6810 | *16010 | 12860 |
| Arm length 2900 mm With outrigger and blade | | | | | | | | | | |
| 7.5 m | *3610 | *3610 | | | *5010 | *5010 | | | | |
| 6.0 m | *3410 | *3410 | *4010 | *4010 | *6010 | *6010 | | | | |
| 4.5 m | *3360 | *3360 | *5760 | 4910 | *6710 | *6710 | *7160 | *7160 | | |
| 3.0 m | *3460 | *3460 | *6760 | 4760 | *7710 | *6660 | *9610 | *9610 | *14460 | *14460 |
| 1.5 m | *3710 | *3710 | 7010 | 4610 | *8810 | 6360 | *11760 | 9610 | *7210 | *7210 |
| 0.0 m | *4110 | 3760 | 6860 | 4510 | *9560 | 6060 | *13060 | 9110 | *7810 | *7810 |
| -1.5 m | *4760 | 4010 | 6760 | 4410 | 9410 | 5910 | *13210 | 8910 | *11110 | *11110 |
| -3.0 m | *6110 | 3910 | | | *9160 | 5910 | *12360 | 8910 | *16210 | *16210 |
| Arm length 2900 mm With outrigger front and rear | | | | | | | | | | |
| 7.5 m | *3610 | *3610 | | | *5010 | *5010 | | | | |
| 6.0 m | *3410 | *3410 | *4010 | *4010 | *6010 | *6010 | | | | |
| 4.5 m | *3360 | *3360 | *5760 | 5260 | *6710 | *6710 | *7160 | *7160 | | |
| 3.0 m | *3460 | *3460 | *6760 | 5160 | *7710 | 7260 | *9610 | *9610 | *14460 | *14460 |
| 1.5 m | *3710 | *3710 | 6660 | 5010 | *8810 | 6910 | *11760 | 10760 | *7210 | *7210 |
| 0.0 m | *4110 | 4010 | 6510 | 4860 | 9160 | 6610 | *13060 | 10210 | *7810 | *7810 |
| -1.5 m | *4760 | 4310 | 6460 | 4760 | 8960 | 6460 | *13210 | 9960 | *11110 | *11110 |
| -3.0 m | *6110 | 5010 | | | 9010 | 6460 | *12360 | 9960 | *16210 | *16210 |

* Load is limited by hydrauric capacity rather than tipping.
Rating are based on SAE Standard NO. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



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SECTION 2F

# DEMOLITION

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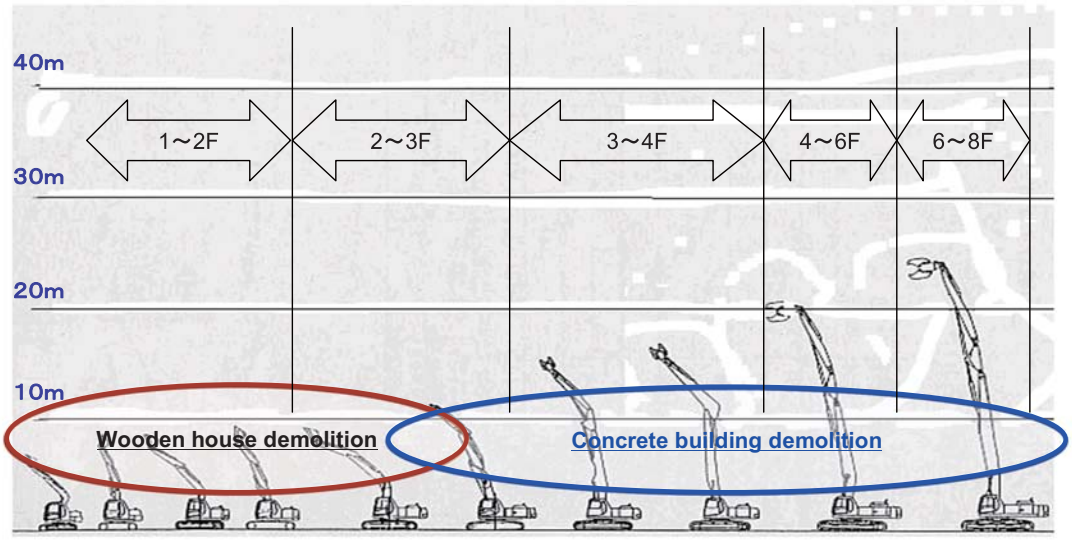


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**1. When carrying out demolition of concrete building from the ground**

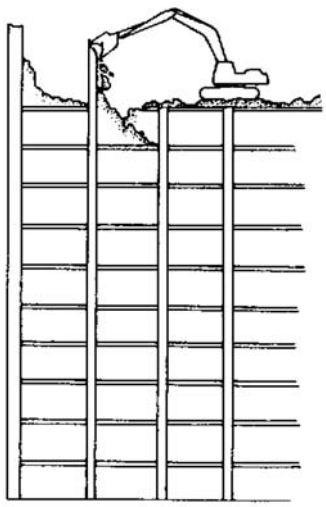
1) For demolition of 4~10 storied buildings use a hydraulic excavator with a super long boom and arm as base machine.
2) For demolition of 2~4 storied buildings use a hydraulic excavator with a normal boom and arm as the base machine.
3) For demolition of the foundations or areas below ground level, use a hydraulic excavator with the normal boom and arm as the base machine and operate from the ground level. If necessary, lower the machine below the ground to carry out the work.




| Model | PC78US | PC130 / PC138US | PC200LC | PC200LC Hi-Reach | PC350LC Hi-Reach | PC450LC Hi-Reach |
|---|---|---|---|---|---|---|

**2. When carrying out demolition from inside the building being demolished**

There is no space to carry out demolition work with machine from the ground level, or the building is too high (higher than 6 stories) to demolished, and the demolition attachment does not reach, place the demolition machine on the top floor of the building to be demolished. Start the demolition operation from the top, and work down.



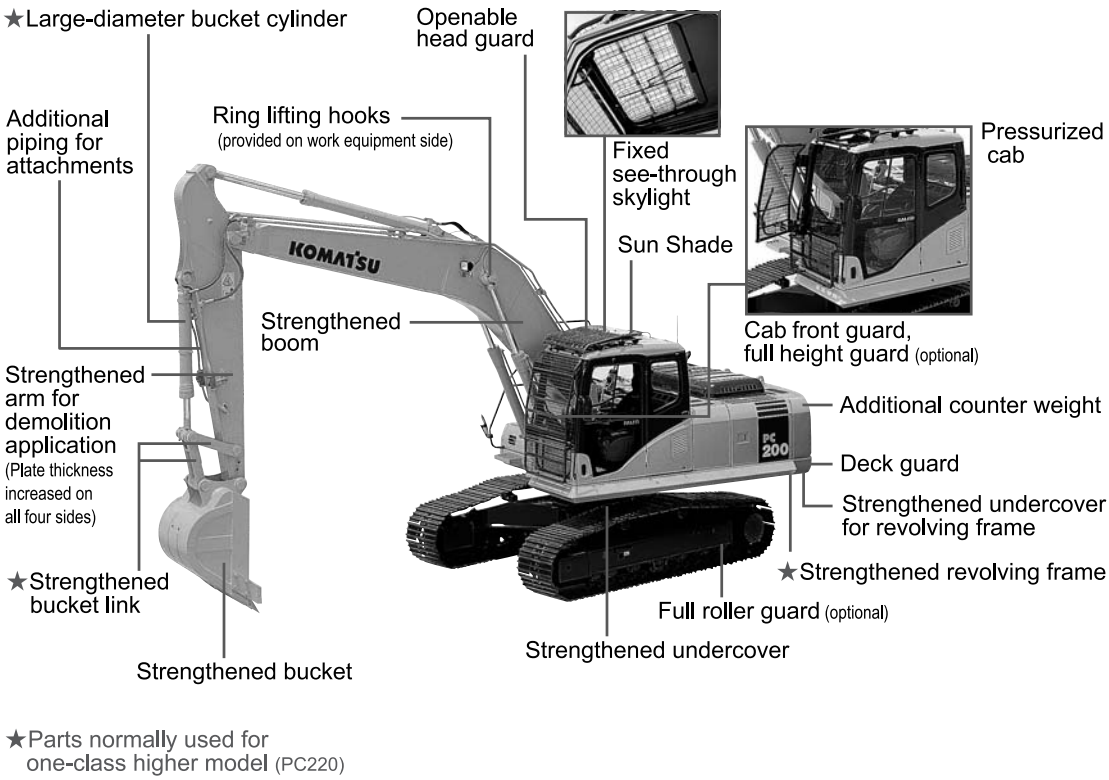

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- Demolition work means hard work for hydraulic excavators. Operator safety, machine flexibility, reliability and performance are essential for this application.
- Demolition specification features additional machine guarding, reinforced structure and better visibility that enables safer and more efficient operation.




★Parts normally used for one-class higher model (PC220)



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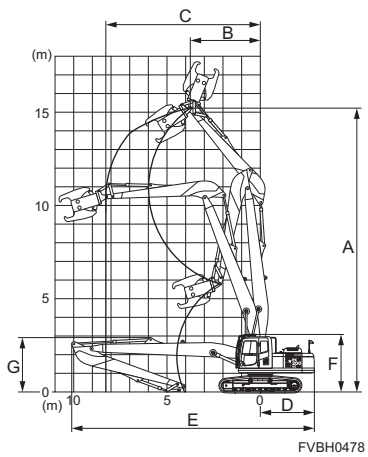


- Demolition high reach enables high efficient operation and safety for 3-4 stories building demolition.
- Two-stage front type provides easy demolition operation thanks to the same lever motion as standard machine.

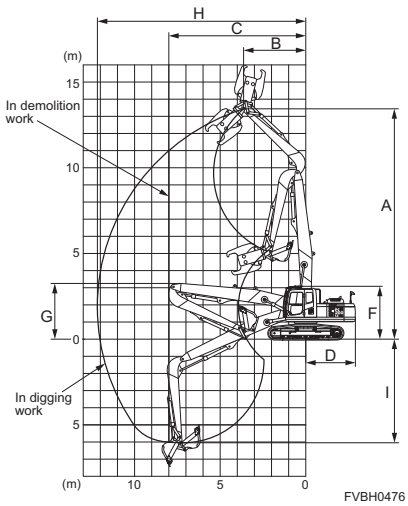


## Working Range

**PC200LC**
(2-stage type for demolition work only)




**PC200LC**
(2-stage type for demolition and digging work)




## Specifications

| Model | | | PC200LC | |
|---|---|---|---|---|
| Structure | High reach type | | 2-stage | |
| | Boom type | | 1-piece | |
| | | Application | For Demolition work | For Demolition & Digging work |
| Operating Weight *1 | | kg(lb) | 28,200(62,170) | 27,200(59,970) |
| Max. Allowable Crusher Weight | | kg(lb) | 2,300(5,070) | 2,300(5,070) |
| Max. Working Height *2 | A | mm(ft.in) | 15,215(49'11") | 13,460(44'2") |
| Arm Top Pin Radius at Max. Working Height | B | mm(ft.in) | 3,810(12'6") | 3,600(11'10") |
| Max. Allowable Working Radius | C | mm(ft.in) | 8,300(27'3") | 8,000(26'3") |
| Tail Swing Radius | D | mm(ft.in) | 2,940(9'8") | 2,940(9'8") |
| Overall Length *3 | E | mm(ft.in) | 13,260(43'6") | 11,090(36'5") |
| Overall Height *3 | F | mm(ft.in) | 3,160(10'4") | 3,160(10'4") |
| Height of Folded Work Equipment | G | mm(ft.in) | 2,850(9'4") | 3,000(9'10") |
| Arm Top Pin at Max. Working Radius | H | mm(ft.in) | — | 12,210(40'1") |
| Arm Top Pin at Max. Working Depth | I | mm(ft.in) | — | 6,165(20'3") |

* The photos may slightly differ from the standard specifications of demolition high reach.
* For precautions when operating the machine, refer to the operation and maintenance manual.
*1 Excluding allowable crusher weight
*2 Arm top pin
*3 When work equipment is folded and lowered to the ground



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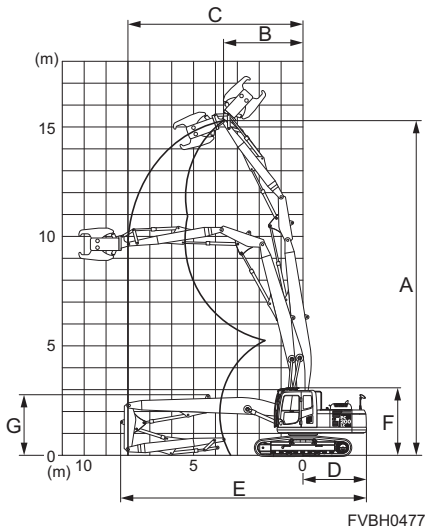
- Demolition high reach enables high efficient operation and safety for 3-4 stories building demolition.
- Three-stage front type suits for delicate demolition work thanks to the intermediate arm that ensures the wider working range than 2-stage type.



## Working Range

### PC200LC

(3-stage type for demolition work only)




## Specifications

| Model | | | PC200LC |
|---|---|---|---|
| Structure | High reach type | | 3-stage |
| | Boom type | | 1-piece |
| Operating Weight *1 | | kg(lb) | 27,700(61,070) |
| Max. Allowable Crusher Weight | | kg(lb) | 2,100(4,630) |
| Max. Working Height *2 | A | mm(ft.in) | 15,225(49'11") |
| Arm Top Pin Radius at Max. Working Height | B | mm(ft.in) | 3,600(11'10") |
| Max. Allowable Working Radius | C | mm(ft.in) | 8,000(26'3") |
| Tail Swing Radius | D | mm(ft.in) | 2,940(9'8") |
| Overall Length *3 | E | mm(ft.in) | 11,280(37'0") |
| Overall Height *3 | F | mm(ft.in) | 3,160(10'4") |
| Height of Folded Work Equipment | G | mm(ft.in) | 2,750(9') |

* The photos may slightly differ from the standard specifications of demolition high reach.
* For precautions when operating the machine, refer to the operation and maintenance manual.
*1 Excluding allowable crusher weight
*2 Arm top pin
*3 When work equipment is folded and lowered to the ground



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- There are several stages at the demolition works such as demolishing structures, taking out debris, leveling ground etc. which are required several machines at each process.
- The exchangeable fronts system can reduce the cost and time for demolition works. Three types of equipments are available by exchanging front equipment at one machine.
- Safety devices are equipped such as working range monitor, wide view front glass etc.

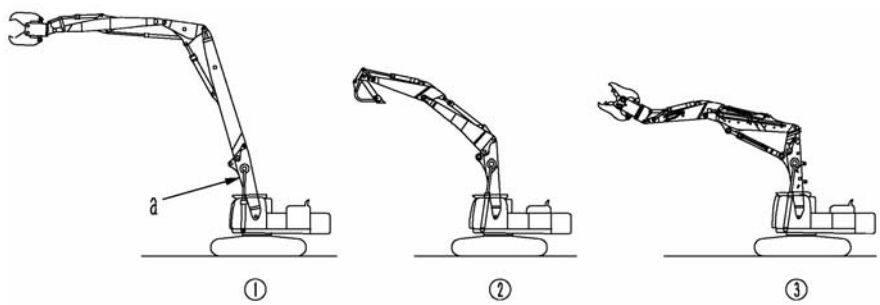
## Demolition spec. outline

There are three kind of work equipment configuration.

(1) Hi-reach demolition spec.

(2) Demolition excavation boom spec.

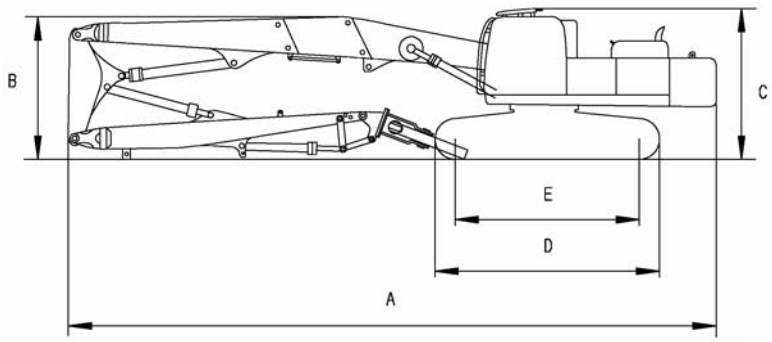
(3) Demolition two-piece long front spec.




(a)'s first boom is a common for the above three configuration spec.

## PC350LC Demolition spec.

| | | | Hi-reach demolition spec. | Demolition excavation boom spec. | Demolition two-piece long front spec. |
|---|---|---|---|---|---|
| Operating weight | | kg (lb) | 41,300 (91,050) | 35,700 (78,700) | 41,700 (91,930) |
| Max. attachment weight | | kg (lb) | 2,300 (5,070) | — | 3,600 (7,940) |
| Bucket capacity | | $m^3$ (cu.yd) | — | 1.4 (1.83) | 1.4 (1.83) |
| A | Overall length | mm (ft.in) | 14,980 (49'2") | 12,120 (39'9") | 14,350 (47'1") |
| B | Overall height | mm (ft.in) | 3,340 (10'11") | 3,565 (11'8") | 3,565 (11'8") |
| C | Cab height | mm (ft.in) | 3,140 (10'4") | | |
| D | Track length | mm (ft.in) | 4,960 (16'3") | | |
| E | Tumbler distance | mm (ft.in) | 4,030 (13'3") | | |
| Overall width | | mm (ft.in) | 3,200 (10'6") | | |
| Shoe width | | mm (in) | 600 (24") | | |
| Ground clearance | | mm (ft.in) | 500 (1'8") | | |





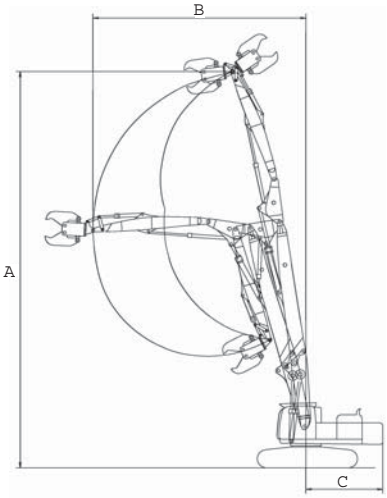
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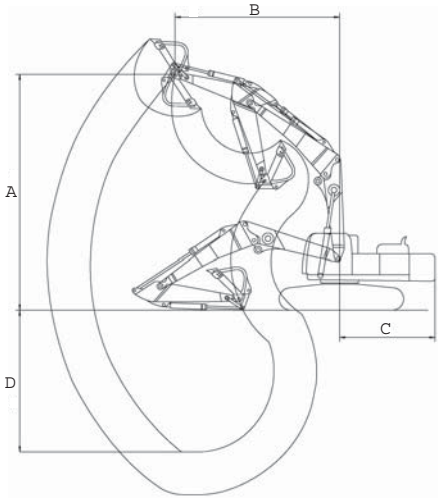
**PC350LC Demolition spec.**

**Hi-reach demolition spec.**



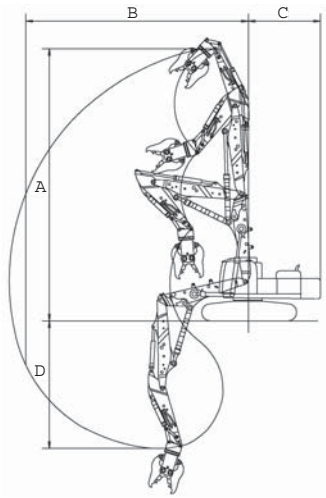

| | | | |
|---|---|---|---|
| A | Max. working height | mm (ft.in) | 20,510 (67'3") |
| B | Max. forward reach | mm (ft.in) | 11,000 (36'1") |
| C | Turning radius at rear portion | mm (ft.in) | 3,800 (12'6") |
| D | Max. digging depth | mm (ft.in) | — |

**Demolition excavation boom spec.**




| | | | |
|---|---|---|---|
| A | Max. working height | mm (ft.in) | 10,540 (34'7") |
| B | Max. forward reach | mm (ft.in) | 6,710 (22'0") |
| C | Turning radius at rear portion | mm (ft.in) | 4,435 (14'7") |
| D | Max. digging depth | mm (ft.in) | 7,410 (24'4") |

**Demolition two-piece long front spec.**




| | | | |
|---|---|---|---|
| A | Max. working height | mm (ft.in) | 14,380 (47'2") |
| B | Max. forward reach | mm (ft.in) | 9,000 (29'6") |
| C | Turning radius at rear portion | mm (ft.in) | 3,230 (10'7") |
| D | Max. digging depth | mm (ft.in) | 6,750 (22'2") |



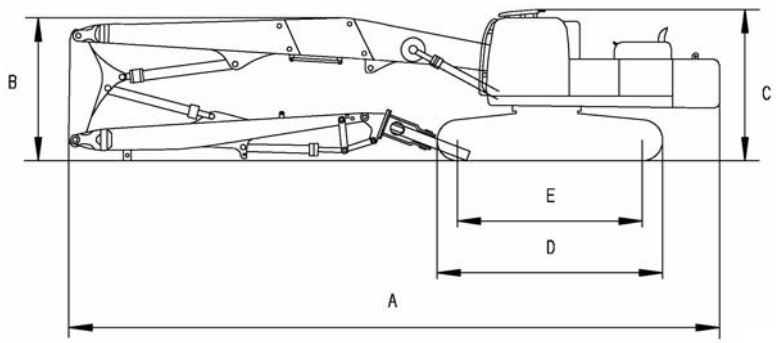
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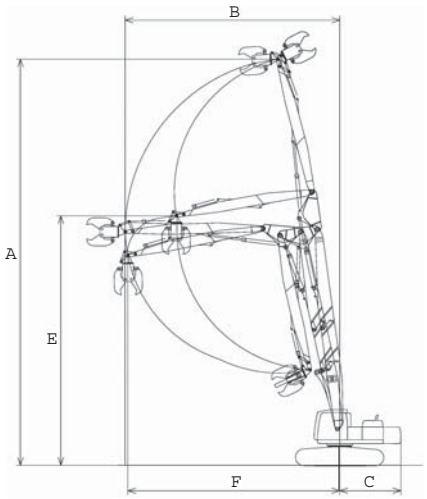


## PC450LC Demolition spec.

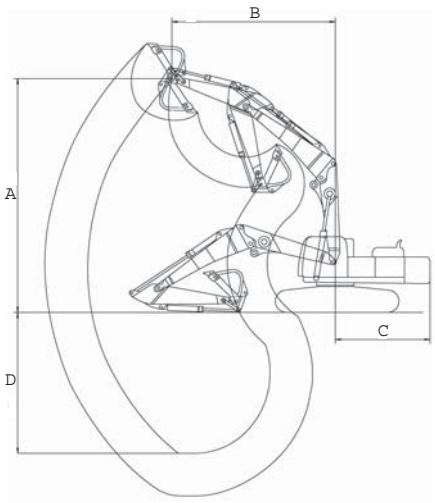
| | | | Hi-reach demolition spec. | Demolition excavation boom spec. | Demolition two-piece long front spec. |
|---|---|---|---|---|---|
| Operating weight | | kg (lb) | 57,220 (126,150) | 54,300 (119,710) | 60,520 (133,420) |
| Max. attachment weight | | kg (lb) | 2,300 (5,070) | — | 5,700 (12,570) or 4,200 (9,260) |
| Bucket capacity | | $m^3$ (cu.yd) | — | 1.9 (2.49) | 1.9 (2.49) |
| A | Overall length | mm (ft.in) | 16,450 (54'0") | 12,700 (41'8") | 14,540 (47'8") |
| B | Overall height | mm (ft.in) | 3,450 (11'4") | 3,755 (12'4") | 4,160 (13'8") |
| C | Cab height | mm (ft.in) | 3,450 (11'4") | | |
| D | Track length | mm (ft.in) | 5,385 (17'8") | | |
| E | Tumbler distance | mm (ft.in) | 4,350 (14'3") | | |
| Overall width | | mm (ft.in) | 3,490 (11'5") | | |
| Shoe width | | mm (in) | 600 (24") | | |
| Ground clearance | | mm (ft.in) | 685 (2'3") | | |




**Hi-reach demolition spec.**




**Demolition excavation boom spec.**




| | | | Hi-reach demolition spec. | Demolition excavation boom spec. |
|---|---|---|---|---|
| A | Max. working height | mm (ft.in) | 24,660 (80'11") | 10,620 (34'10") |
| B | Max. forward reach | mm (ft.in) | 13,000 (42'8") | 10,780 (35'4") |
| C | Turning radius at rear portion | mm (ft.in) | 3,710 (12'2") | 3,710 (12'2") |
| D | Max. digging depth | mm (ft.in) | — | 5,600 (18'4") |
| E | Max. working height at possible horizontal crashing | mm (ft.in) | 15,128 (49'8") | — |
| F | Max. forward reach at possible horizontal crashing | mm (ft.in) | 12,838 (42'1") | — |



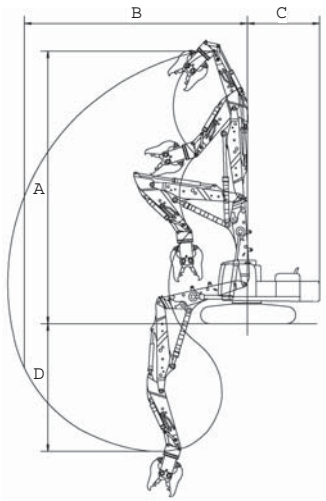
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**PC450LC Demolition spec.**

**Demolition two-piece long front spec.**




| | | | |
|---|---|---|---|
| A | Max. working height | mm (ft.in) | 15,150 (49'8") |
| B | Max. forward reach | mm (ft.in) | 9,000 (29'6") |
| C | Turning radius at rear portion | mm (ft.in) | 3,710 (12'2") |
| D | Max. digging depth | mm (ft.in) | 6,910 (22'8") |
| E | Max. working height at possible horizontal crashing | mm (ft.in) | 15,145 (49'8") |
| F | Max. forward reach at possible horizontal crashing | mm (ft.in) | 9,000 (29'6") |



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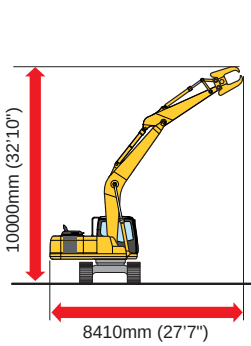
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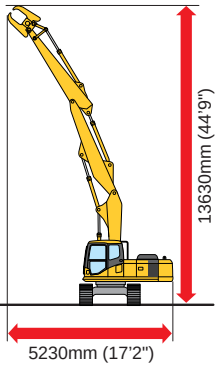
- The demolition two piece boom now realizes a higher, wider and longer working range.
- It has also made possible demolition work comparable to a one-class larger machine in a tight quarter.
- It demonstrates power when demolishing low-rise to mid-rise building now that it can access closer to a building to be demolished.
- The base machine is designed for demolition work. Various critical parts and work equipment have been strengthened to ensure higher durability. Thus it demonstrates excellent performance in the hard working conditions.

### The two piece boom enables an operator to reach a higher work point.

- PC200LC demolition specifications




- PC200LC demolition specifications with 2 piece boom




### Tow piece boom spec.

| | | PC78US | PC138US | PC200LC | PC228USLC |
|---|---|---|---|---|---|
| Operating weight | kg (lb) | 8,390 (18,500) | 15,675 (34,560) | 27,900 (61,510) | 29,400 (64,820) |
| Max. attachment weight | kg (lb) | 560 (1,230) | 1,000 (2,200) | 2,300 (5,070) | 2,500 (5,510) |
| Bucket capacity | $m^3$ (cu.yd) | 0.28 (0.37) | 0.5 (0.65) | 0.8 (1.05) | 0.8 (1.05) |
| Max. working height | mm (ft.in) | 8675 (28'6") | 10500 (34'5") | 12140 (39'10") | 12100 (39'8") |

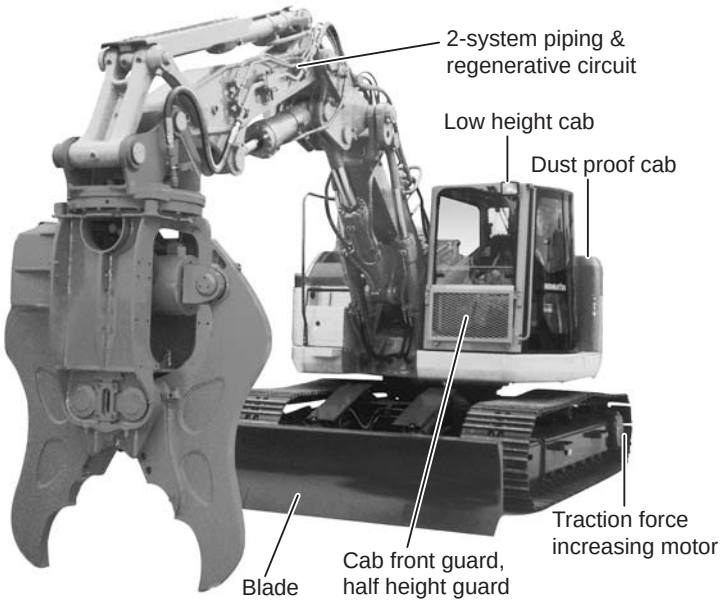


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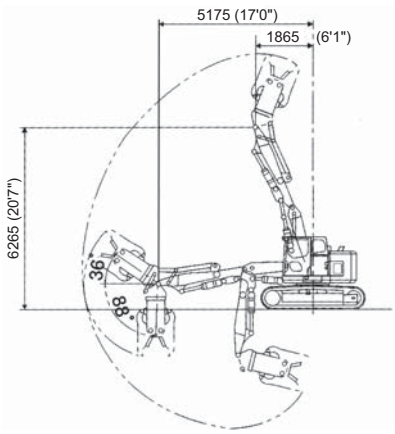
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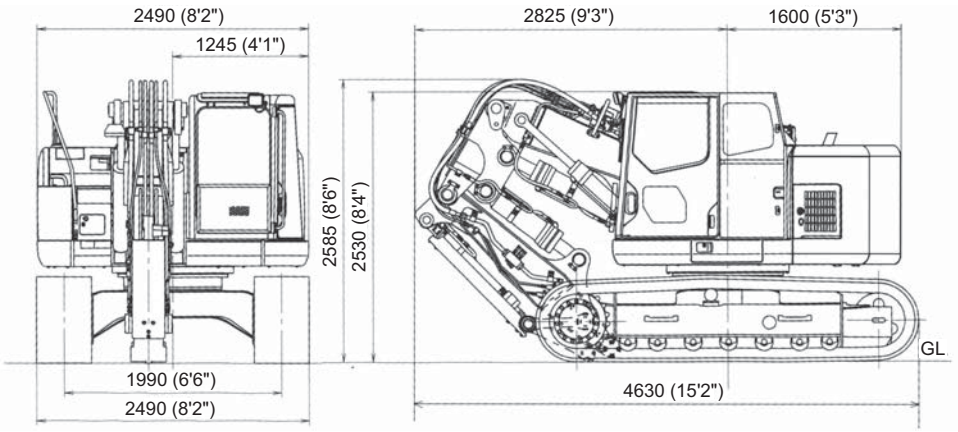


- A breaker and crusher for a one-class larger machine (PC200 class) can be installed.
- A regenerative circuit assures a hydraulic oil amount equal to that for one-class larger machine (PC200 class) in the crushing work.
- A two piece boom is adopted.
- A low height cab is installed, allowing the machine to pass under 2,530 m (8'4") high beam.
- Ring hooks for lifting the machine are installed as a standard equipment.




| Item \ Model | | PC138US |
|---|---|---|
| Machine weight | kg (lb) | 15000 (33,070) |
| Max. crusher weight | kg (lb) | 2300 (5,070) |






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SECTION **2G**

# SCRAP & MATERIAL HANDLING

## CONTENTS

**Attachments for Industry:**

- **Scrap Handling Machine ..... 2G-2**
- **High-mount Cab ..... 2G-5**
- **Lifting Magnet ..... 2G-6**
- **Car Scrap Handler ..... 2G-6**
- **Scrap Grapple ..... 2G-6**
- **Orange Grapple ..... 2G-6**
- **Magnet Fork ..... 2G-6**



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# Scrap Handling Machine

## Long Boom and Long Arm

- Mounted on the machine body these give you increased working reach-and safe, easy loading and unloading at those heights. The extended working range pays off in greater scrap-handling efficiency.

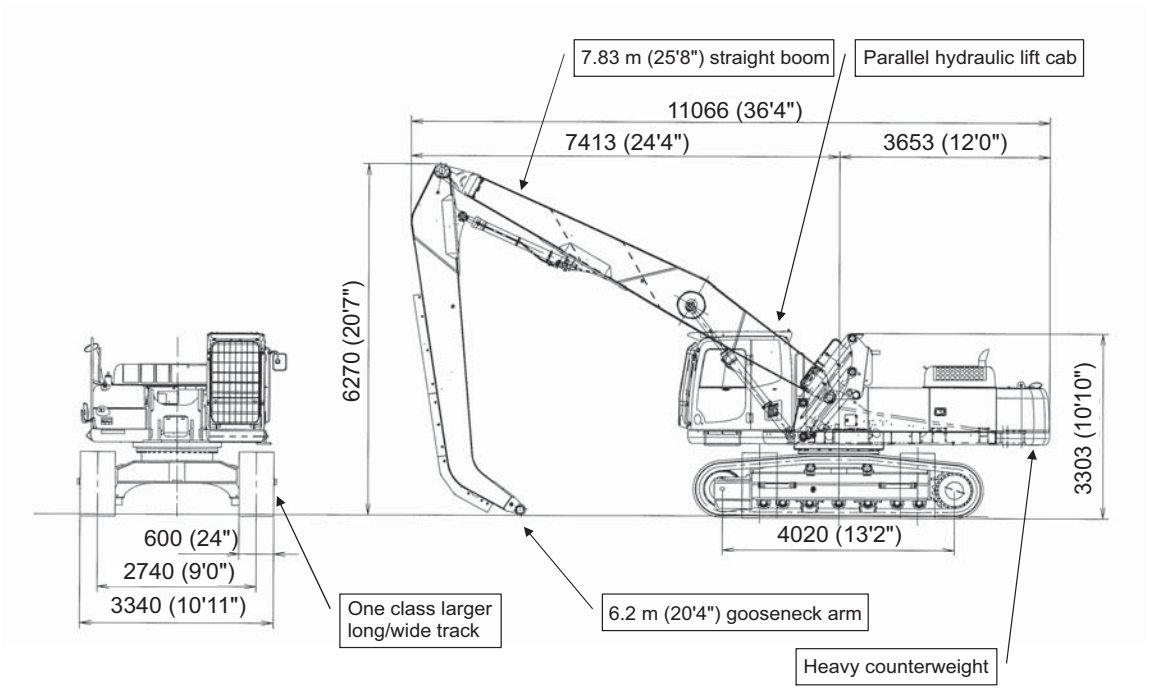
## The Komatsu Scrap Handling Machine consists of:

- Basic Machine (See catalog for standard machines.)
- Scrap-handling long boom and gooseneck arm
- Attachment hydraulics
- Boom cylinder hydraulic line and drift-prevention valve
- Heavy counterweight
- High-mount cabs (hydraulic elevator; PC300 parallel link type, PC450 Z-link type)
- Optional widened track gauge for enhanced lateral stability. (PC300)



## Dimensions & Working range

### PC300 14 m (46') reach with hydraulic lift cab






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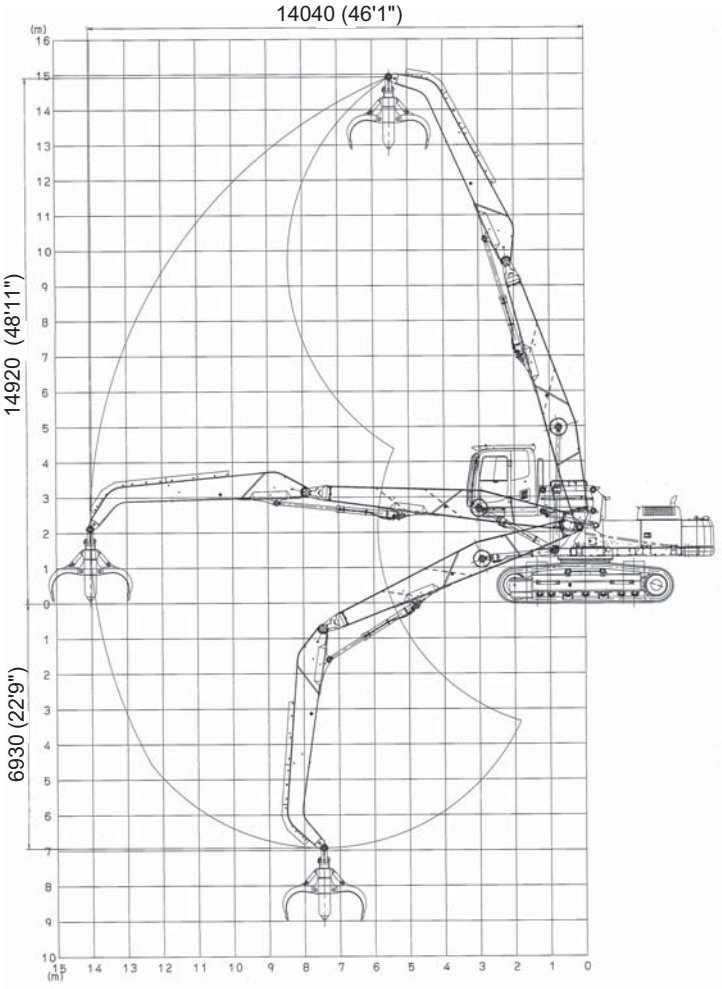
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## Scrap Handling Machine

### PC300 14m (46') reach spec with hydraulic lift cab

### Working range




| Model | | PC300 |
|---|---|---|
| Boom length | m (ft.in) | 7.83 (25'8") |
| Arm length | m (ft.in) | 6.2 (20'8") |
| Max. reach, at arm end pin | m (ft.in) | 14.04 (46'1") |
| Max. height, at arm end pin | m (ft.in) | 14.92 (48'11") |
| Max. digging depth, at arm end pin | m (ft.in) | 6.93 (22'9") |



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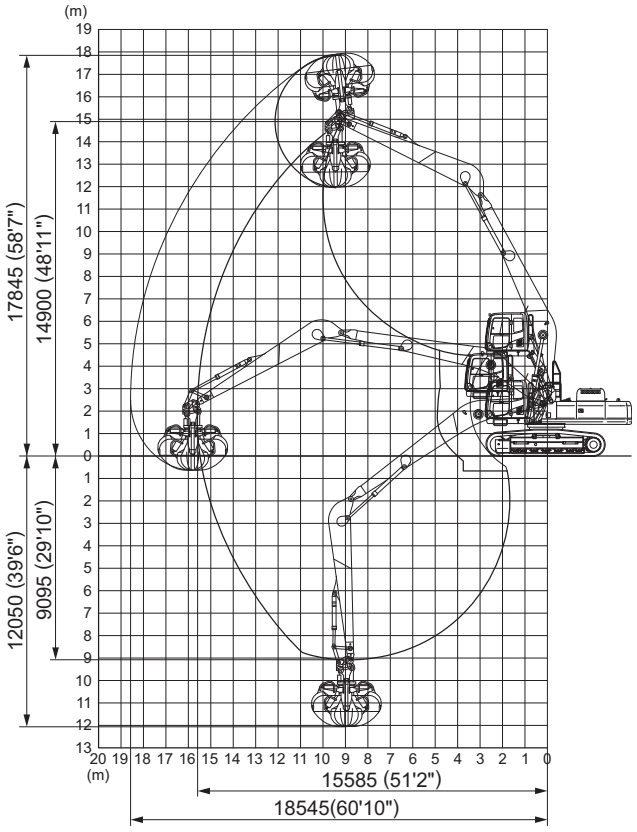
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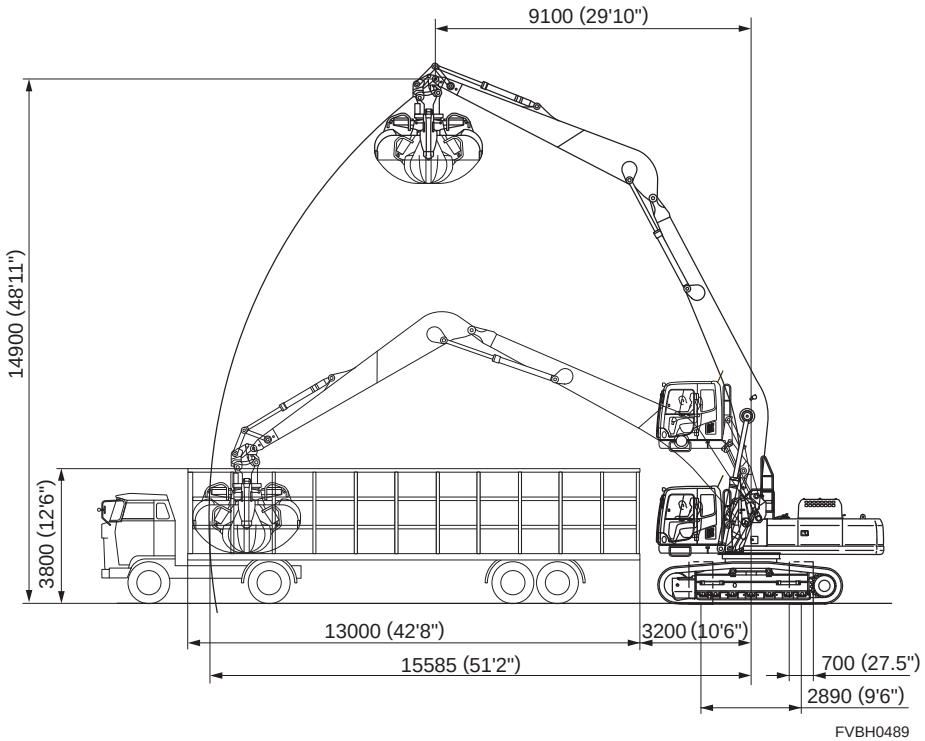
# Scrap Handling Machine

## PC450LC 15.5 m (51'2") reach spec with hydraulic lift cab

### Working range




| Model | | PC450LC |
|---|---|---|
| Boom length | m (ft.in) | 9.6 (31'6") |
| Arm length | m (ft.in) | 7.0 (23') |
| Max. reach, at arm end pin | m (ft.in) | 15.58 (51'2") |
| Max. height, at arm end pin | m (ft.in) | 14.90 (48'10") |
| Max. digging depth, at arm end pin | m (ft.in) | 9.09 (29'10") |






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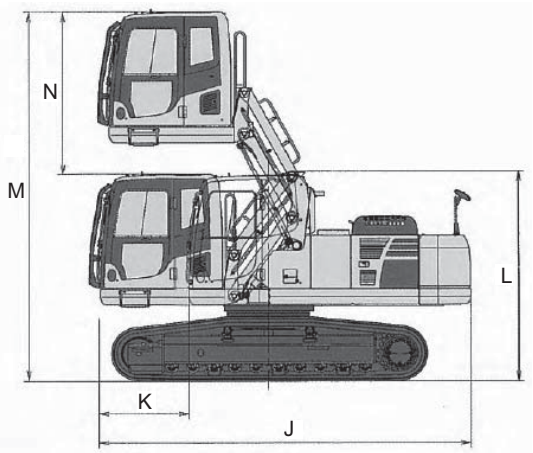
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## High-mount Cab

A high-mount cab provides the operator with wider and clearer field view, thus facilitating loading or unloading of scrap on or off a truck and charging or discharging into or out of scrap processing machines. The hydraulic elevating cab lowered ensures better transportability.

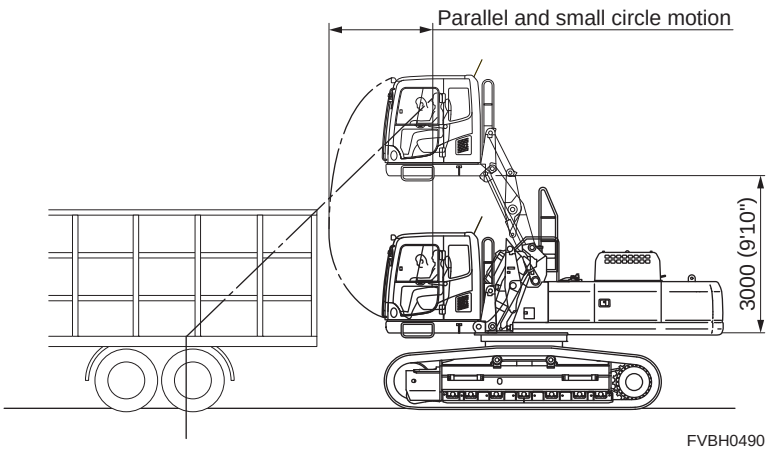
### Parallel link cab




### Dimension

| | | Model | PC200 | PC220 | PC300 |
|---|---|---|---|---|---|
| J | Overall length | mm (ft.in) | 5,485 (18'0") | 5,485 (18'0") | 6,310 (20'8") |
| K | Cab protruding amount [compared with std cab] | mm (ft.in) | 1,310 (4'4") | 1,310 (4'4") | 1,310 (4'4") |
| L | Height at cab lowest position | mm (ft.in) | 3,075 (10'1") | 3,085 (10'1") | 3,195 (10'6") |
| M | Height at cab fully raised | mm (ft.in) | 5,430 (17'10") | 5,440 (17'10") | 5,540 (18'2") |
| N | Lift height | mm (ft.in) | 2,400 (7'10") | 2,400 (7'10") | 2,400 (7'10") |

### Z-link cab (3 m (9'10") lift height) for PC450LC






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## Lifting Magnet (PC200-PC450)

- Lifting magnet with strong attraction force by over-excitation and swift release by reverse excitation.
- Engine-driven brushless alternator, realizing a maintenance free operation.



PC200LC

## Car Scrap Handler (PC200)

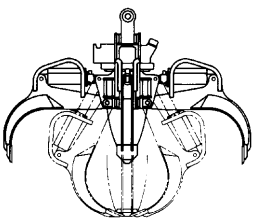
- With one car scrap handler, preparation, dismantling, and sorting work can be carried out speedily.
  The combination play between a state-of-the-art machine and a clamp arm makes delicate removal operations possible.
- Powerful clamp arm
  The clamp arm installed to the track frame can hold the scrapped car securely, so picking-up work can be carried out efficiently and smoothly.



PC200

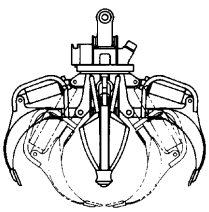
## Scrap Grapple

To assure safe handling of massive or irregularly shaped scrap, each of the 4 claws opens and closes by independent hydraulic cylinders. The grapple rotates freely to make grappling readjustments safe and easy.



## Orange Grapple

The claws are 4 vane-shaped blades operated independently by hydraulic cylinders. The freely turn-able grapple surrounds the scrap material; grasps accurately, and keeps small-item spillage to a minimum.



## Magnet Fork (PC200-PC220)

An excavator-based machine with a lifting magnet and fork device exhibits the best operating performance in scrap handlings by itself through the combination of both the MAGNET absorbing and FORK grapple forces, thus enabling great improvement of working efficiency, because materials to be handled can be freely selected.





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SECTION **2H**

# SPECIAL APPLICATION MACHINES

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**Barge-ship Work Specifications**
**Backhoe Dredger ..... 2H-4**
**Heat Resistance Specifications ..... 2H-5**



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# Inboard Work Specifications

## PC138US inboard work spec.

(1) Wide working range can speedy inboard work at vessel corner and high position work.

(2) Short tail swing type can meet with tight working conditions.



20% large fuel tank capacity for long refill interval

Head guard



Four additional working light

Engine room cover for preventive chip and dust intake







Strengthened arm and link

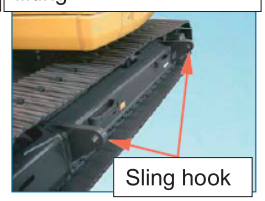
Holed shoe for preventive chip stack



Spiked carrier roller for chip removal from track link



Hook for machine lifting



Sling hook

Large capacity chip bucket





Photo shown PC138US-2 former model

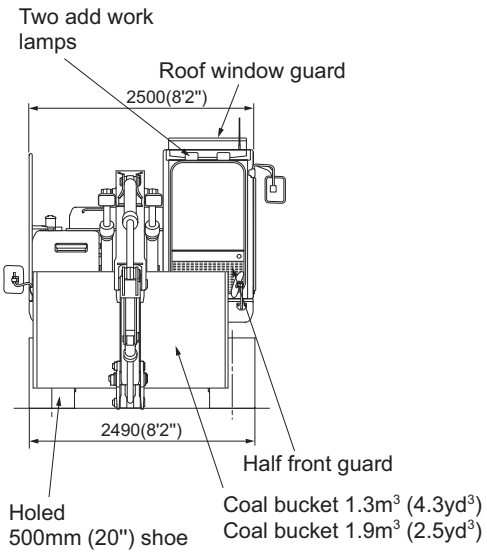

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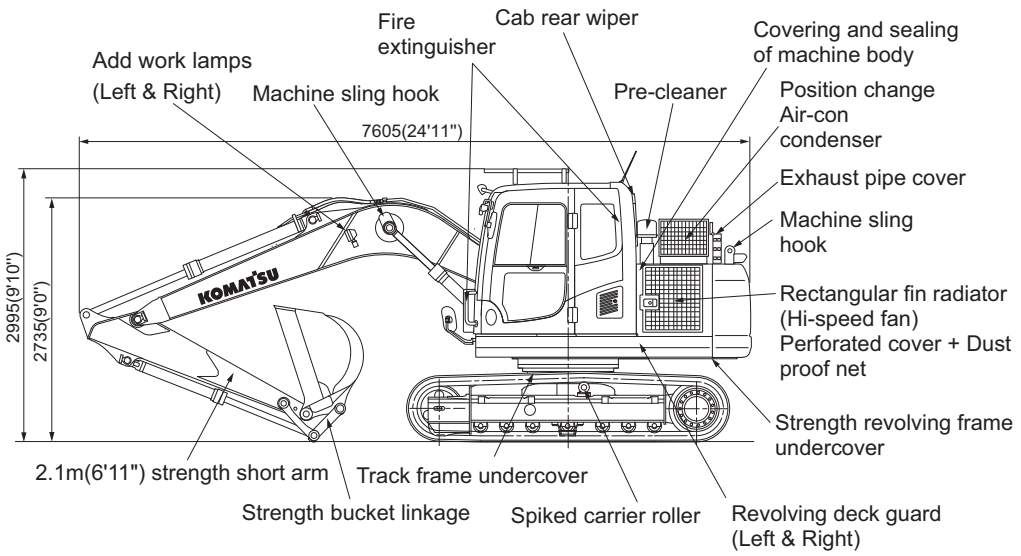
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# Inboard Work Specifications

## PC130 inboard work spec.






For coal



For salt



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## Backhoe Dredger

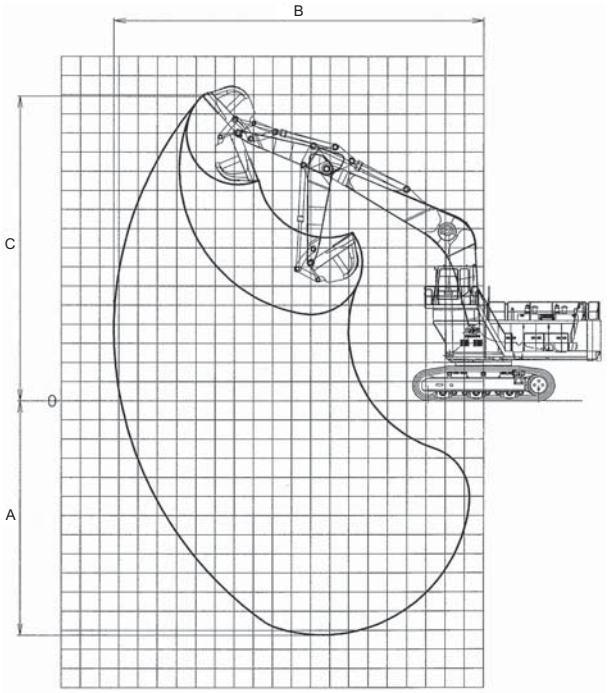
An excavator based machine with BACK-HOE TYPE SPECS mounted on a vessel exhibits its best operating performance in large-scaled ocean works such as filling-up reclamation to build a land, adjustment or enlargement of harbors and demolition or rehabilitation of breakwaters. As for mounting method, besides an excavator type with undercarriages, two methods (gantry- and fixed-type) are provided.

The work in a salty environment is necessary to prevent corrosion of parts.

Antit-corrosion arrangement is also available.



### Specifications




### Working Range

| | | | PC600 | PC800LC | | PC1250 | |
|---|---|---|---|---|---|---|---|
| | Boom length | m (ft.in) | 7.66 (25'2") | 8.2 (26'11") | 10 (32'10") | 9.1 (29'10") | 11 (36'1") |
| | Arm length | m (ft.in) | 5.2 (17'1") | 5.6 (18'4") | 5.6 (18'4") | 5.7 (18'8") | 5.7 (18'8") |
| | Bucket capacity (SAE) *Rock bucket, Heaped | $m^3$ (cu.yd) | 2.0 (2.6) | 2.8 (3.7) | 2.0 (2.6) | 3.4 (4.4) | 2.8 (3.7) |
| A | Max. digging depth | mm (ft.in) | 10,225 (33'7") | 10,595 (34'9") | 12,170 (39'11") | 11,590 (38'0") | 12,380 (40'7") |
| B | Max. digging reach | mm (ft.in) | 14,630 (48'0") | 15,635 (51'4") | 17,505 (57'5") | 17,450 (57'3") | 18,930 (62'1") |
| C | Max. digging height | mm (ft.in) | 12,560 (41'2") | 12,690 (41'8") | 13,970 (45'10") | 13,910 (45'8") | 15,810 (51'10") |
| | Min. work equipment swing radius | mm (ft.in) | 5,510 (18'1") | 6,145 (20'2") | 7,575 (24'10") | 8,150 (26'9") | 9,000 (29'6") |

* : Material weight up to 1.8t/$m^3$ (3,000 lb/cu.yd)
Sand & Gravel bucket and Soft clay bucket etc. is fitted depend on job conditions.



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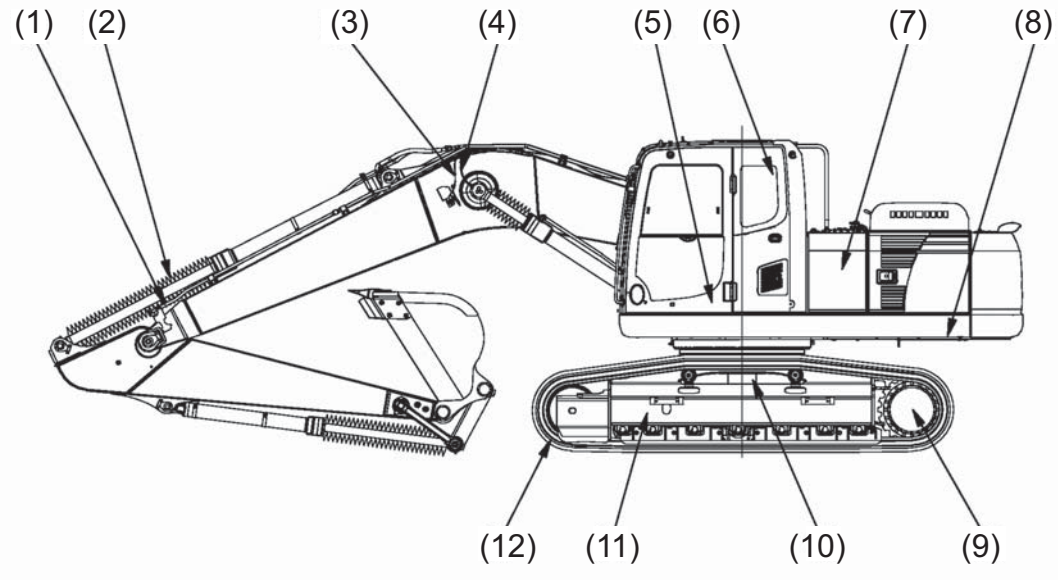


# Heat Resistance Specifications

The works at a steel mill in a high temperature work place, typically a slag yard, is always fraught with various problems and danger like early deterioration and corrosion of parts and ignition

Heat resistance specification are developed to protect machine from those tough working condisions.

### PC350 / PC450 Heat resistance specification




| | | | |
|---|---|---|---|
| (1) | Heat resistance type hydraulic hoses | (7) | Heat resistance type fuel hoses |
| (2) | Hydraulic cylinder rod protective cover (boom, arm and bucket) | (8) | Revolving frame under guard |
| (3) | Work lamp wiring harness protect by cover wound | (9) | Travel motor hydraulic hoses (Heat resistance type) |
| (4) | Heat resistance type greasing hose | (10) | Track frame under guard |
| (5) | Heat resistance hoses between boom and machine | (11) | Heat resistance type roller's seal (idler, carrier, track rollers and final drive) |
| (6) | Fire extinguisher (equipped inside and outside cab) | (12) | Metal type shoe link seal |



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# WHEEL LOADERS Sec 3A

# WHEEL DOZERS Sec 3B

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SECTION 3A

# WHEEL LOADERS

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Wheel Loader and Dump Truck Combination ... 3A-190
Production, Loading ..... 3A-195




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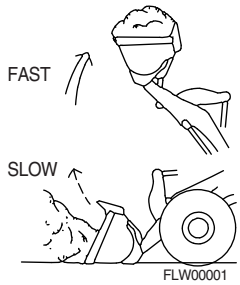
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## ■ Excellent productivity

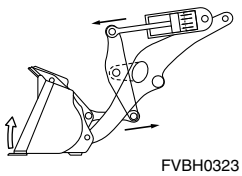
- Dual hydraulic speed system to reduce cycle time (WA320-WA900, except WA320-3 CUSTOM, WA800-3)
- VOHS (Variable Output Hydraulic System) to reduce cycle time (WA1200)
- High capacity engine with power to spare

  The powerful Komatsu engine provides fuel-efficient operation.

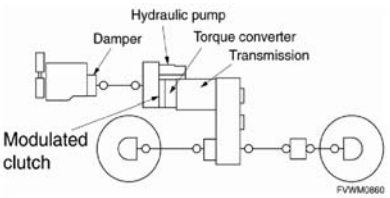



- High breakout force

  Z-bar loader linkages are made of high-tensile-strength steel for maximum rigidity and powerful excavation.



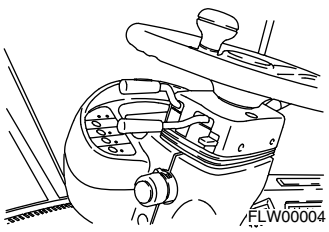

- Modulated clutch allows for selection of drive force and travel speed according to type of work. (WA1200)




## ■ Easy & comfortable operation

- Light-touch operations

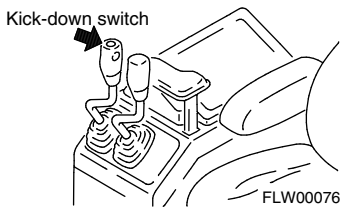
  Electrically controlled transmission enables light fingertip control of all direction/gear shifting.
- Use of PPC work equipment control valve




- Faster pile-penetration & scooping

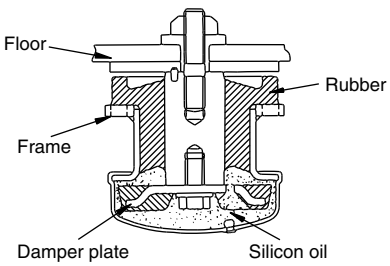
  Kick-down switch on the boom control lever facilitates material scooping operation.
- Tiltable steering column & one-glance monitor

  Tiltable steering wheel and adjustable seat provide operator comfort and efficiency.




- Low vibration & noise

  Komatsu viscous damping mounts reduce unpleasant vibration and noise.




- Easy-to-use with organ-type brake pedal
- Switches centralized in front of operator
- Quick glow automatic preheating system employed



- AJSS (Advanced Joystick Steering System) with light, short strokes for perfect steering accuracy. (WA1200)



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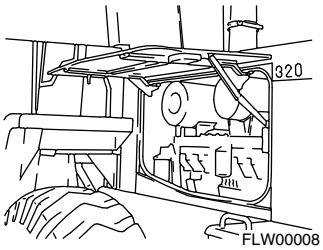
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## ■ Easy maintenance and safety

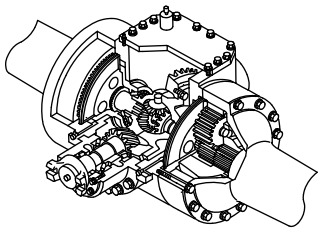
- Gull-wing type side cover

  Gull-wing engine side covers facilitate engine access for easy check/replacement of engine oil or filters. (WA320-WA470 )



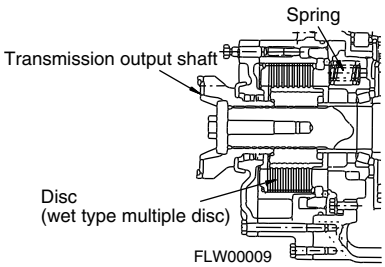

- Fully-sealed wet disc bake

  Adjustment-free wet disc brakes ensure braking even on muddy terrain. They are sealed to stay free of dirt and other abrasive contaminants.



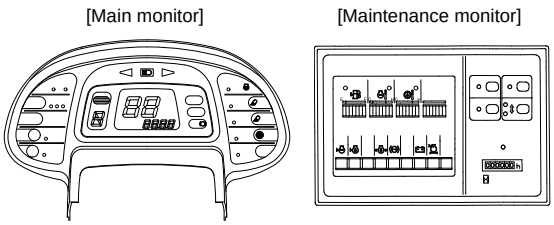

- Wet disc type parking brake

  The parking brake prevents the entry of dirt or dust and reduced wear to make the parking brake maintenance free.




- Electric display panel one unit with steering column

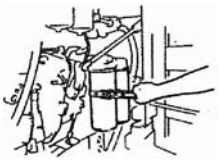
  The main monitor and the maintenance monitor (EDIMOS II) are neatly arranged on the instrument panel for a quick, clear reading of machine functions at all times.



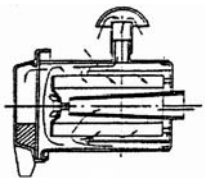

- TMS (Total Management System) & CGC (Color Graphic Console)

  TMS connects each controller and sensor to the VHMS (Vehicle Health Monitoring System) controller and displays the condition and management information of the vehicle on the CGC. (WA1200)

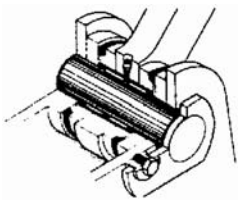
- Spin-on type full-flow engine oil filters and fuel filters for easy element replacement.



- Dry type air cleaner with automatic dust evacuator for longer element service.



- Sealed loader linkage pins with dust seals and cord rings extend greasing intervals.



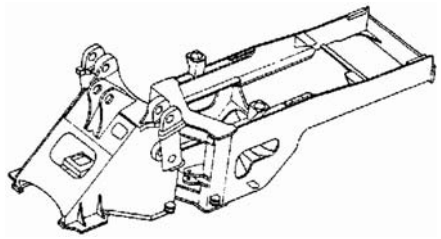


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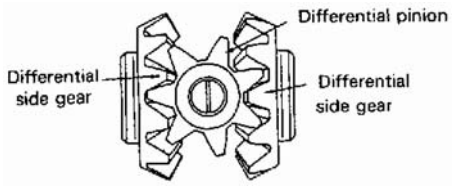
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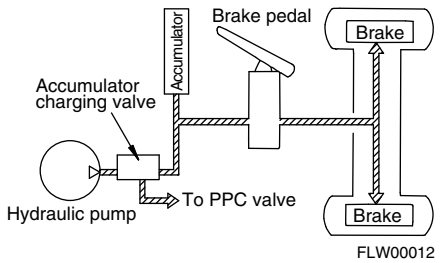
## ■ Dependable and high-performance components



- High-rigidity frames
  Front and rear frames are made as one larger loader class to provide high rigidity for the power train and loader equipment.
  The high-rigidity frames, together with the reinforced loader linkage for resist loading stress and shock.

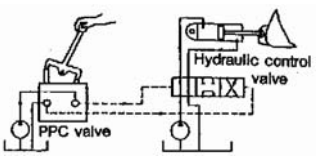



- Torque proportioning differential installed
  Torque proportioning differentials minimize slippage, improve traction and increase the service life of tires. (WA320-WA470)

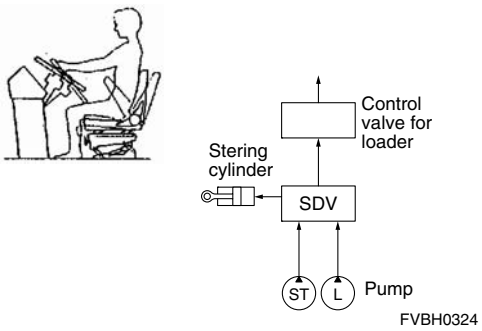



- Dependable braking system
  Two independent fully hydraulic brake lines are used for the brake control system.

- High-quality paint
  Most exterior plates are treated with a cation electro-deposition undercoat and melamine baked final paint for rust resistance and longer service life.
  In addition, some exterior components employ resin.



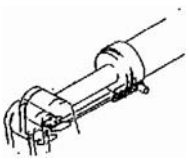

- Proportional pressure control (PPC): Little effort is required to operate the bucket and boom control levers, assuring smooth, responsive bucket/boom action.
  [WA320 and over except WA320-3 CUSTOM]



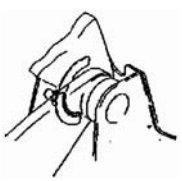

- Tiltable steering wheel and fully adjustable suspension seat provide maximum operator comfort.
  [WA320 and over]

- Hydraulic power steering system guarantees light-touch steering at all times.

- High machine stability is assured by a center-pin-supported rear axle and large oscillation angle that keep the machine level even on the roughest surfaces.



- Automatic bucket positioner assures accurate bucket positioning.



- Boom kick out device facilitates repeated dig-load operations.
  [WA320 and over]

- Tire saver controls tire slip and lengthens tire life.
  [WA1200]



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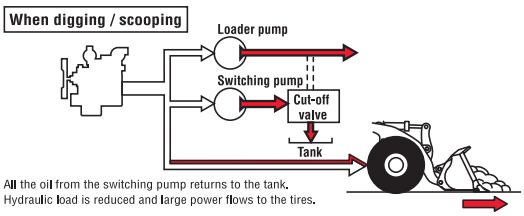
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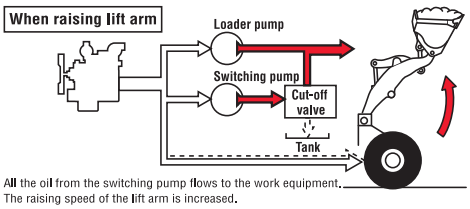


## ■ High productivity and low fuel consumption

- **Dual-mode engine power select system**
  - This wheel loader offers two selectable operating modes-Normal and Power.
    - **E mode:** This mode provides maximum fuel efficiency for most of general loading.
    - **P mode:** This mode provides maximum power output for hard digging operation or hill climb.

  (WA380-6, WA430-5(-6), WA470-5(-6), WA500-6 and WA600-6)




- **Automatic transmission mode select system**

  This operator controlled system allows the operator to select manual shifting or three levels of automatic shifting (low, medium, and high).

  (WA380-6, WA430-5(-6), WA470-5(-6), WA500-6 and WA600-6)

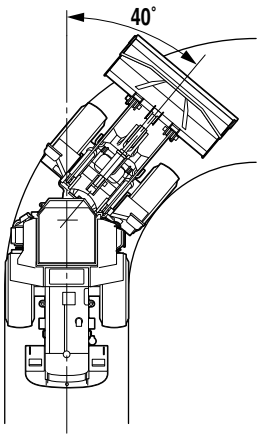
- **New dual-speed hydraulic system**

  Komatsu's dual-speed hydraulic system increases operational efficiency by matching the hydraulic demands to work conditions.

  (Except WA150 – WA320, WA380-6, WA500-6 and WA600-6)

- **Maximum dumping clearance and reach**

  The long lift arms provide high dumping clearances and maximum dumping reach. The operator can even level loads on the body of a dump truck easily and efficiently.




- **Long wheelbase/articulation angle of 40º**

  The widest tread in class and the long wheelbase provide improved machine stability in both longitudinal and lateral directions. Since the articulation angle is 40º, the operator can work efficiently even in the tightest job sites.

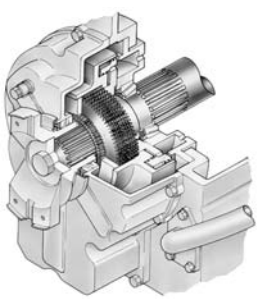
- **Low fuel consumption**

  The fuel consumption is reduced greatly because of the low-noise, high-torque engine and the large-capacity torque converter with maximum efficiency in the low-speed range.

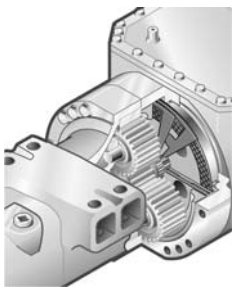
## ■ Increased reliability

- **Wet multi-disc brakes and fully hydraulic braking system** mean lower maintenance costs and higher reliability. Wet disc brakes are fully sealed. Contaminants are kept out, reducing wear and resulting maintenance.

  Brakes require no adjustments for wear, meaning even lower maintenance. The new parking brake is also an adjustment-free, wet multi-disc for high reliability and long life.



Wet multi-disc brake



Wet type disc parking brake

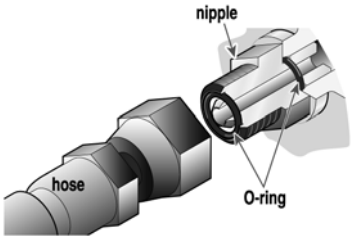


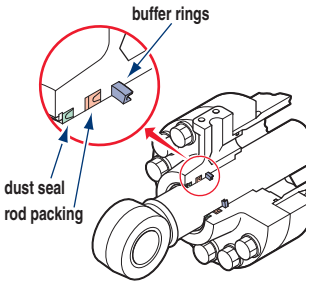
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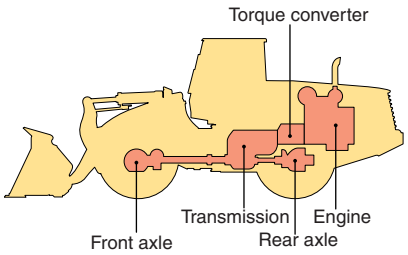


- **Hi-rigidity frames**
  The front and rear frames have high rigidity to bear twisting and bending loads applied repeatedly to the loader body.
- **Flat face-to-face O-ring seals**
  Flat face-to-face O-ring seals are used to securely seal all hydraulic hose connections and to prevent oil leakage. In addition, buffer rings are installed to the head side of the all-hydraulic cylinders to lower the load on the rod seals and maximize the reliability.



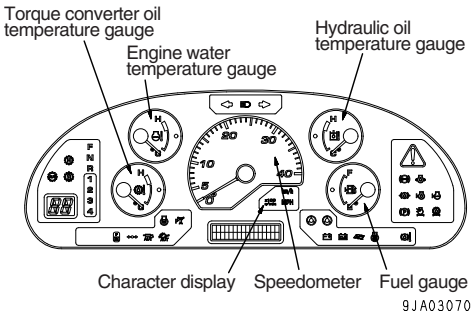



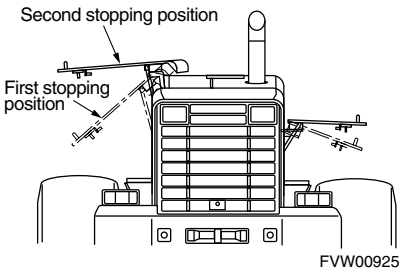

- **Komatsu components**
  Komatsu manufactures the engine, torque converter, transmission, hydraulic units, electric parts, and even each bolt on this wheel loader.
- **Cathion Electrodeposition primer paint/ powder coating final paint**
  Cathion electrodeposition paint is applied as a primer paint and powder coating is applied as topcoat to the exterior metal sheet parts.
- **Sealed DT connectors**
  Main harnesses and controller connectors are equipped with sealed DT connectors providing high reliability, water resistance and dust resistance.




## ■ Easy maintenance

- **EMMS (Equipment Management Monitoring System)**
  Monitor is mounted in front of the operator for easy view, allowing the operator to easily check gauges and warning lights.
- **Reversible cooling fan and swing-out cooler elements**
  If the machine is operating in adverse conditions, the operator can reserve the hydraulic cooling fan from inside the cab by turning on a switch on the control panel.
- **Gull-wing type engine side doors open wide**
  The operator can open and close each gull-wing type engine side door easily with the assistance of a gas spring to perform daily service checks from the ground.





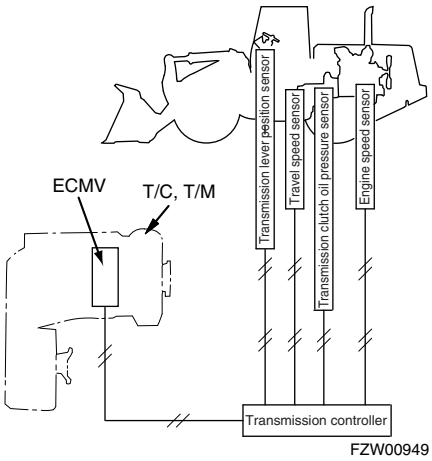

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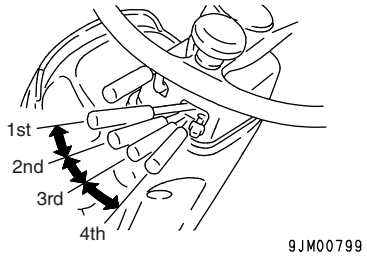
## ■ Easy & comfortable operation

- **Automatic transmission with ECMV**
  Automatic transmission with ECMV automatically selects the proper gear speed based on travel speed, engine speed, and other travel conditions. The ECMV (Electronically Controlled Modulation Valve) system engages the clutch smoothly to prevent lags and shocks when shifting. This system provides efficient machine operation and a comfortable ride.



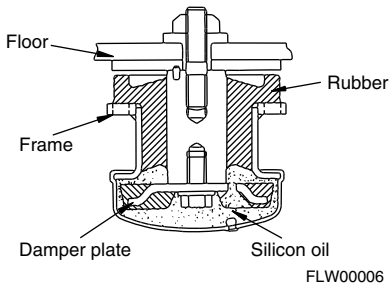

- **Kick-down switch**
  With the touch of a finger, the kick-down switch automatically down shifts from second to first when beginning the digging cycle.

- **Electronically controlled transmission lever**
  **Easy shifting and directional changes** with Komatsu two-lever electronic shifting. Change direction or shift gears with a touch of the fingers without removing the shifting hand from the steering wheel.




- **Variable transmission cut-off**
  The operator can adjust the transmission cut-off connected to the left brake pedal with the switch near the operator's seat to set the brake/cut-off point for easier operation and higher operating performance in variable operating conditions.
  - High cut-off pressure for digging operations.
  - Low cut-off pressure for truck-loading operations.
- **Fingertip work equipment control lever**
  New PPC control levers are used for the work equipment. The operator can easily operate the work equipment with fingertip control, reducing operator fatigue and increasing controllability.

- **Low-noise design**
  The large cab is mounted with Komatsu's unique ROPS/FOPS viscous mounts. The low-noise engine, hydraulically driven fan, and hydraulic pumps are mounted with rubber cushions, and the cab sealing is improved to provide a quiet, low-vibration, dustproof with pressurizing, and comfortable operating environment.




- **Rear-hinged full open cab door**
  The cab door hinges are installed to the rear side of the cab providing a large opening angle for the operator to enter and exit.



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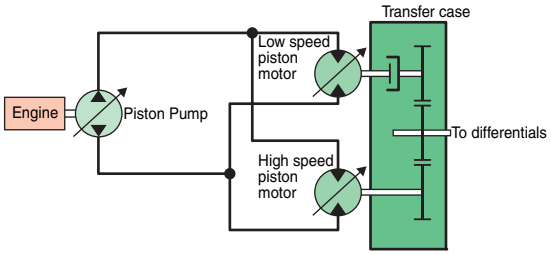
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## ■ Electronically-controlled HST using a 1-pump, 2-motor system

- The 1-pump, 2-motor system allows for high-efficiency and high tractive effort. Engine power is transmitted hydraulically to transfer case, then manually out to the differentials and out to the four driving wheels.
- HST provides quick travel response and aggressive drive into the pile. The variable displacement system automatically adjusts to the tractive effort demand to provide maximum power and efficiency.
- Full auto-shifting eliminates any gear shifting and kick-down operation to allow the operator to concentrate on digging and loading.
- When high drive torque is needed for digging, climbing or initiating movement, the pump feeds both motors. This combination makes the loader very aggressive and quick.
- Under deceleration, the HST system acts as a dynamic brake on the mechanical drive system. The dynamic brake can hold the loader in position on most workable slopes. This can be an advantage in stockpiling and ramp loading.

(WA150, WA200/PT, WA250/PT, WA320)




- As the machine moves and gains ground speed, the torque demand decreases and the low speed motor is effectively removed from the drive system by a clutch. At this point, the flow is going to the high-speed motor and the low-speed motor is not causing a drag on the system.
- An inching pedal gives the operator excellent simultaneous control of his travel and equipment hydraulic speeds. By depressing the inching pedal, drive pump flow to the motors will decrease, reducing ground speed and allowing the operator to use his accelerator to increase flow to his equipment hydraulics. Depressing the inching pedal further will activate the service brakes.

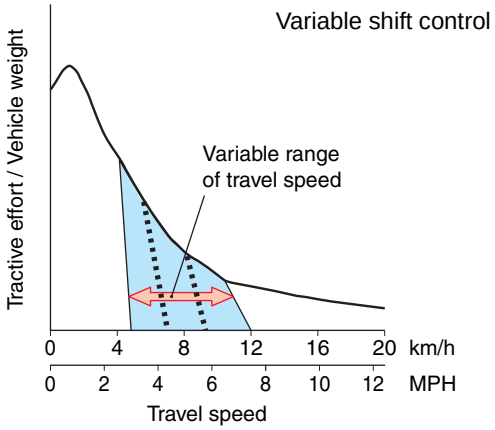
## ■ Electronically-controlled HST with variable shift control system

The operator can choose between first, second, third or fourth maximum speeds by dialing the speed range selector switch.

The variable shift switch allows the operator to adjust his machine speed in confined v-loading applications.




(WA150, WA200/PT, WA250/PT, WA320)






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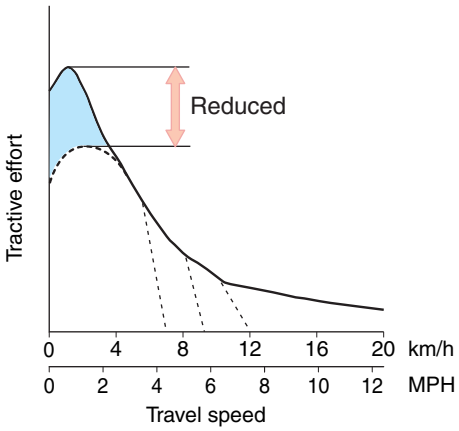


## ■ Traction control system

In limited traction situations where the operator would like to avoid tire slippage (such as sandy or wet surface operations), he can automatically reduce slippage by activating the traction control feature. Putting the traction control switch in the "ON" position limits the maximum amount of tractive effort.




(WA150, WA200/PT, WA250/PT, WA320-5(-6))



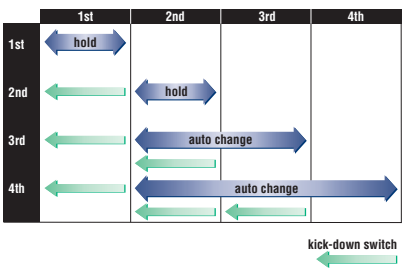

## ■ Overrun prevention system

When the machine descends a slope of six degrees or less, maximum travel speed is automatically restricted to specified speed, for safety protection against damage of power train components and brakes by sensing the travel speed and controlling the discharge amount of the HST pump and motor. When the machine descends a steep slope and he travel speed reaches specified speed, the caution lamp lights up to inform the operator to reduce the travel speed.

(WA150, WA200/PT, WA250/PT, WA320-5(-6))

## ■ Automatic transmission with ECMV

Automatic transmission with ECMV automatically selects the proper gear speed based on travel speed, engine speed, and other travel conditions. The ECMV (Electronically Controlled Modulation Valve) system engages the clutch smoothly to prevent lags and shocks when shifting. This system provides efficient machine operation and a comfortable ride.




- Kick-down switch: Consider this valuable feature for added productivity. With the touch of a finger, the kick-down switch automatically downshifts from second to first when beginning the digging cycle. It automatically up shifts from first to second when the direction control lever is placed in reverse. This results in increased rim pull for better bucket penetration and reduced cycle times for higher productivity.
- Hold switch: Auto shift is selected and if the operator turns on this switch when the lever is at the 3rd or 4th gear speed position, the transmission is fixed to that gear speed.

(WA380-6, WA430-5(-6), WA470-5(-6), WA480-5(-6), WA500-6, WA600-6)



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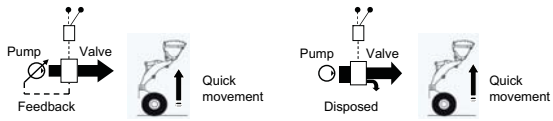
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## ■ Variable displacement piston pump & CLSS

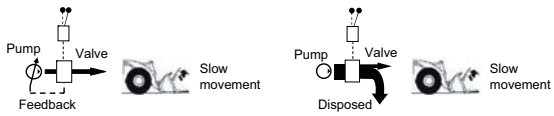
New design variable displacement piston pump combined with the Closed-center Load Sensing System delivers hydraulic flow just as the job requires preventing wasted hydraulic pressure. Minimized waste loss contributes to better fuel economy.

- **New Variable Displacement Piston Pump:** The pump delivers only necessary amounts minimizing waste loss.




- **Fixed Displacement Piston Pump:** The pump delivers the maximum amount at any time and the unused flow is disposed.

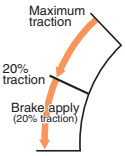
(WA380-6 through WA600-6)



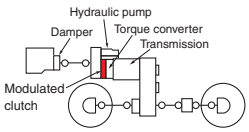

## ■ Modulated clutch system

The Modulated Clutch System controls the tractive effort with left brake pedal from 100% to 20% of the converter output torque.

(WA600-6)






## ■ Lock-up torque converter

The Komatsu designed lock-up torque converter provides increased production efficiency, reduced cycle times and optimum fuel savings in load & carry or hill-climb operations.

(WA600-6, option for WA500-6)

## ■ Variable transmission cut-off

The operator can adjust the transmission cut-off connected to the left brake pedal with the switch near the operator's seat to set the brake/cut-off point for easier operation and higher operating performance in variable operating conditions.

- High cut-off pressure for digging operations.
- Low cut-off pressure for truck-loading operations.

(WA380-6, WA430-5, WA470-5, WA480-5, A500-6)

## ■ Ecology features

**ecot 3 (EPA Tier 3, EU Stage 3A certified engine)**

Komatsu develops and produces all major components, such as engines, electronics and hydraulic components in house.

With this "Komatsu Technology", and adding customer feedback, Komatsu is achieving great advancements in technology.

To achieve high levels of productivity and ecology, Komatsu developed the main components with an advanced control system.

The result is a new generation of high performance and environment friendly machines.

(WA200-6 through WA600-6)

## ■ Fuel efficient electronic controlled engine

The engine is EPA Tier 3 and EU Stage 3A emission regulation certified. The engine is turbocharged and features Common Rail Injection system and air-to-air aftercooling to maximize power, fuel efficiency and emission compliance. To minimize noise and vibration, the engine is mounted to the main frame with rubber cushions.

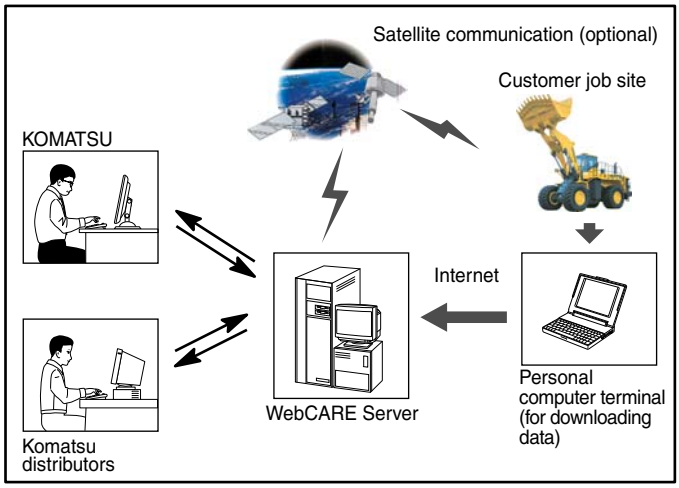


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## VHMS (Vehicle Health Monitoring System) (Option for WA600-6)

VHMS controller monitors the health conditions of major components, enables remote analysis of the machine and its operation. This process is supported by the Komatsu distributors, factory and design team. This contributes to reduced repair costs and to maintaining maximum availability.




### ■ Merits of using VHMS

**Diagnosis**

- Machine health information that used to take approximately 1 hour to be measured can now be downloaded by personal computer in approximately 10 minutes, shortening the vehicle's down time.
- Furthermore, if the satellite communications function is equipped, the machine information can be gathered without stopping the vehicle at all. (Not available in some regions.)

**Recommendation**

- An appropriate recommendation can be made by viewing these data over the Internet.
  - Proper driving methods
  - Formulation of maintenance plans in advance that suit the customer's production schedule.

**Customer's Benefit**

- Sudden break down can be prevented through utilization of data trend (change over time).
- Ascertaining the facts and searching for the cause of the breakdown are simplified, thus enabling problems to be resolved quickly.
- Down time can be shortened by the systematic use of Reman components.
- Machine life can be extended significantly by proper operation and proper maintenance.


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## ■ Ecology features

- **EPA Tier4 Interim and EU Stage 3B emissions certified engine**

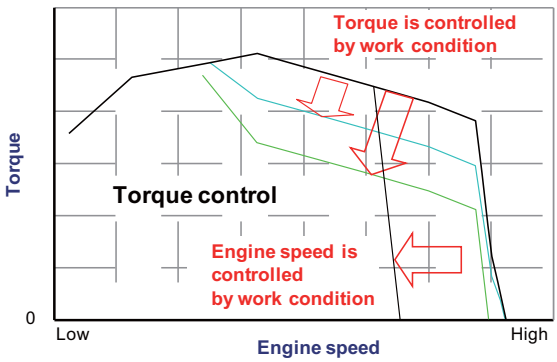
  Note: For details, see the page of engine features (Section 11)

## ■ High productivity and low fuel consumption

- **Komatsu SmartLoader logic**

  Komatsu new wheel loaders provide Komatsu SmartLoader Logic, a new engine control system. This technology acquires data from various sensors in the vehicle and controls the engine to yield enough torque for each work phase. Engine torque requirement for a wheel loader varies depending on working conditions. For example, it requires higher torque for digging in V-shape loading, but less torque in driving with an empty bucket. This technology limits the engine torque during less demanding work, therefore saving fuel. Komatsu SmartLoader Logic functions automatically and doesn't interfere with operation, saving fuel without decreasing production.

  (WA380-7, WA470-7, WA500-7)




- **Enhanced lock-up**

  The newly designed large-capacity torque converter with lock-up is standard on Komatsu new wheel loaders, and the lock-up function activates in 2nd, 3rd and 4th gears to give the loader a maximum travel speed of 40 km/h. The large capacity torque converter with the enhanced lock-up is effective for both load and carry application, and V-shape loading which uses lower gears. The enhanced lock-up reduces the clutch engagement shock by controlling engine torque with Komatsu SmartLoader Logic. Lower fuel consumption in load-and-carry applications, and V-shape loading results from the enhanced lock-up + Komatsu SmartLoader Logic.

- **Large-capacity torque converter**

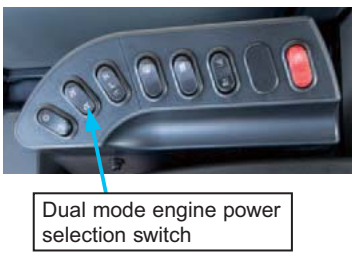
  The newly designed power train has a large capacity torque converter for optimum efficiency. Komatsu new wheel loaders have greater productivity in V-shape loading applications because of the increased tractive effort without requiring full throttle. The improved hill climbing ability allows the Komatsu new wheel loaders to up-shift gears faster because of improved acceleration. Komatsu new wheel loaders can achieve higher gear ranges and maintain higher travel speed when working in load-and-carry applications. In most applications, production is increased and fuel consumption reduced, resulting in improved fuel efficiency.

  (WA380-7, WA470-7, WA500-7)

- **Dual-mode engine power select system**

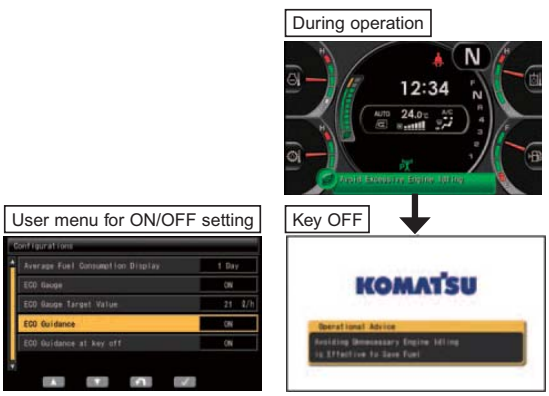
  This wheel loader offers two selectable operating modes E and P.

  - **E Mode:** This mode provides maximum fuel efficiency for general loading.
  - **P Mode:** This mode provides maximum power output for hard digging operation or hill climb.




- **ECO guidance**

  The ECO Guidance provides information on a monitor to help save fuel. The monitor displays messages in real-time during operation and on the exit screen when turning of the key. This function can be controlled through on the monitor. The operator can view fuel consumption through the monitor as well as through KOMTRAX.






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## ■ Excellent operator environment

- **Ergonomic comfort**
  Ergonomically designed round dashboard is incorporated. Switches are arranged for easy access.




- **Operator seat with EPC (Electronic Pilot Control) levers**
  The EPC lever console is integrated in the seat and moves with it. The angle of the armrest is fully adjustable for optimum operator comfort.



- **Automatic kick-down**
  Komatsu new wheel loaders have the function to shift down to F1 automatically. It can be controlled ON/OFF through the monitor.







- **Low noise design**
  The large cab is mounted with Komatsu's unique ROPS/FOPS viscous mounts. The low-noise engine, hydraulically driven fan, and hydraulic pumps are mounted with rubber cushions, and the cab sealing is improved to provide a quiet, low-vibration, dustproof, and comfortable operating environment.



- **Rear view monitoring system**
  The operator can view the rear of the machine with a color monitor screen.







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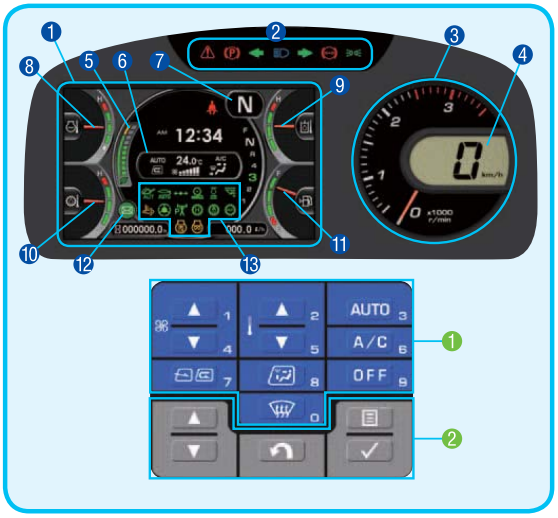
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## ■ Information & communication technology

- **Machine monitor**

  The machine monitor display various machine information and allows for various settings of the machine. The LCD unit is a 7-inch color TFT-LCD and displays maintenance information, operation record, ECO Guidance record, etc. The switch panel is used to select various LCD unit screens and the air conditioner control screen. By using the switch panel, you can display various user menus on the LCD unit screen and perform the settings of the machine.




Machine monitor

1. LCD unit
2. LED unit
3. Engine tachometer
4. Speedometer
5. ECO gauge
6. Air conditioner display
7. Shift indicator
8. Engine coolant temperature gauge
9. Hydraulic oil temperature gauge
10. Torque converter oil temperature gauge
11. Fuel gauge
12. Message pilot lamp
13. Pilot lamps

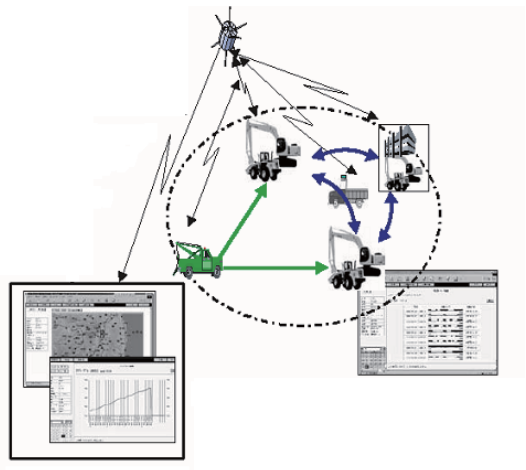
Switch panel

1. Air conditioner switches / Numeral key pad
2. Function switches

## ■ KOMTRAX

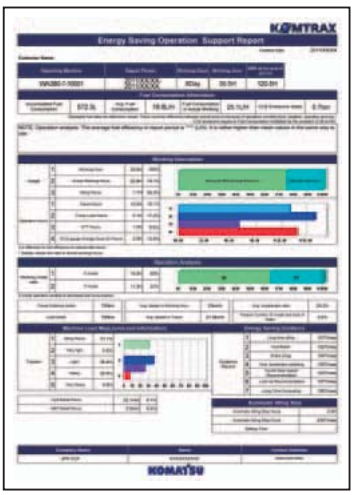
- **Ecological operation report for assistance**

  KOMTRAX is Komatsu's remote equipment and fleet monitoring system. Wireless technology and a secure Webbased application gives you the information you need to make the best possible operation and management decisions, from location, actual hour worked, and fuel consumption to maintenance monitoring, abnormality codes, and load frequency, in simple to read and understand reports.
  - Guidance to improve fuel consumption
  - Ecological operation report.
  - Report operation hours by operation mode(E or P mode)
  - Service information for Tier 4 Interim (Regeneration, diagnostics information)



- **Fuel management by KOMTRAX**

  In addition to existing items, information to assist fuel saving is provided.
  - Average fuel consumption logs
  - KDPF infor
  - Odometer




- **Energy-saving operation support report**

  KOMTRAX provides various useful information which includes the energy-saving operation support report based on the operating information of your machine such as fuel consumption and idle time.



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## ■ Easy maintenance

- **Full side-opening gull-wing engine doors**

  The large gull-wing type engine doors are operated with less power assisted by gas springs. The doors open in two steps. The first position is for daily maintenance and the second position is for periodic maintenance. Large steps are provided on each side of the engine to help access.



- **Swing-out type cooling fan for wider core radiator**

  The fan drive unit swings open for cleaning. It features wider spacing of cooling fins to prevent clogging. Wide core radiator can reduce core clogging.



- **Auto reversing fan**

  The engine cooling fan is driven hydraulically. It can be set to operate in reverse automatically. Fan reverse mode can be controlled through the monitor.




- **KDPF regeneration**

  Soot trapped by and accumulated in the KDPF is removed by burning it periodically and automatically.




- **Maintenance function**

  The monitor informs when the replacement interval for oil and filters is reached.






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## 1. Japan sourced models

| Item | Model | •WA50-6 | WA120-3 | •WA150-6 | WA150-5 |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | | | | |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 29.7 (39.8)/2400 | | 74 (99)/2200 | |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 28.7 (38.6)/2400 | 63 (85)/2400 | 73 (98)/2200 | 71 (96)/2000 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | | 71 (95)/2200 | |
| BUCKET CAPACITY* | $m^3$ (cu.yd) | | | | |
| PERFORMANCE: | | | | | |
| Travel speeds: | km/h (MPH) | | | | |
| Forward 1st | | 0-15.0 (9.3) | 7.2 (4.5) | 5.3-13.0 (3.3-8.1)** | 4.6-13.0 (2.9-8.1)** |
| 2nd | | | 13.6 (8.5) | 13.0 (8.1) | 13.0 (8.1) |
| 3rd | | | 34.5 (21.4) | 22.4 (13.9) | 20.0 (12.4) |
| 4th | | | | 36.2 (22.5) | 38.0 (23.6) |
| Reverse 1st | | 0-15.0 (9.3) | 7.5 (4.7) | 5.3-13.0 (3.3-8.1)** | 4.6-13.0 (2.9-8.1)** |
| 2nd | | | 14.0 (8.7) | 13.0 (8.1) | 13.0 (8.1) |
| 3rd | | | 35.0 (21.7) | 22.4 (13.9) | 20.0 (12.4) |
| 4th | | | | 36.2 (22.5) | 38.0 (23.6) |
| Turning radius* (Outside corner of bucket) | mm (ft.in) | | | | |
| Articulation angle: each dire./end stop | degree | 42.5 | 40 | 38/40 | 40 |
| DIMENSIONS*: | mm (ft.in) | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU 4D88E-6B | KOMATSU S4D102E | KOMATSU SAA4D95LE-5 | KOMATSU SAA4D102E-2 |
| No. of cylinders- bore × stroke | mm (in) | 4-88 × 90 (3.46 × 3.54) | 4-102 × 120 (4.0 × 4.7) | 4-95 × 115 (3.74 × 4.53) | 4-102 × 120 (4.02 × 4.72) |
| Piston displacement | ltr. (cu.in) | 2.189 (135) | 3.92 (239) | 3.26 (199) | 3.92 (239) |
| CAPACITY: | | | | | |
| Fuel tank | ltr. (U.S. Gal) | 50 (13.2) | 133 (35.1) | 133 (35.1) | 133 (35.1) |

| Item | Model | WA180-3 | •WA200-6 | WA200-5 | •WA200PZ-6 |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | | | | |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | | 95.2 (128)/2000 | | 95.2 (128)/2000 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 82 (110)/2400 | 94 (126)/2000 | 92 (123)/2000 | 94 (126)/2000 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | 91 (122)/2000 | | |
| BUCKET CAPACITY* | $m^3$ (cu.yd) | | | | |
| PERFORMANCE: | | | | | |
| Travel speeds: | km/h (MPH) | | | | |
| Forward 1st | | 7.2 (4.5) | 4.0-13.0 (2.5-8.1)** | 4.0-13.0 (2.5-8.1)** | 4.4-14.3 (2.7-8.9)** |
| 2nd | | 12.0 (7.5) | 13.0 (8.1) | 13.0 (8.1) | 14.3 (8.9) |
| 3rd | | 22.0 (13.7) | 20.0 (12.4) | 20.0 (12.4) | 22.0 (13.7) |
| 4th | | 34.5 (21.4) | 34.5 (21.4) | 34.5 (21.4) | 38.0 (23.6) |
| Reverse 1st | | 7.7 (4.8) | 4.4-14.3 (2.7-8.9)** | 4.0-13.0 (2.5-8.1)** | 4.4-14.3 (2.7-8.9)** |
| 2nd | | 12.6 (7.8) | 14.3 (8.9) | 13.0 (8.1) | 14.3 (8.9) |
| 3rd | | 22.9 (14.2) | 22.0 (13.7) | 20.0 (12.4) | 22.0 (13.7) |
| 4th | | 35.0 (21.7) | 38.0 (23.6) | 34.5 (21.4) | 38.0 (23.6) |
| Turning radius* (Outside corner of bucket) | mm (ft.in) | | | | |
| Articulation angle: each dire./end stop | degree | 40 | 38/40 | 40 | 38/40 |
| DIMENSIONS*: | mm (ft.in) | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU S6D102E | KOMATSU SAA4D107E-1 | KOMATSU SAA6D102E-2 | KOMATSU SAA4D107E-1 |
| No. of cylinders- bore × stroke | mm (in) | 6-102 × 120 (4.0 × 4.7) | 4-107 × 124 (4.21 × 4.88) | 6-102 × 120 (4.02 × 4.72) | 4-107 × 124 (4.21 × 4.88) |
| Piston displacement | ltr. (cu.in) | 5.88 (359) | 4.46 (272) | 5.88 (359) | 4.46 (272) |
| CAPACITY: | | | | | |
| Fuel tank | ltr. (U.S. Gal) | 170 (44.9) | 177 (46.8) | 175 (46.2) | 177 (46.8) |

* See PERFORMANCE DATA
** 1st speed can be set variably
• EPA Tier 3 and EU Stage 3A model



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| Item | Model | •WA250-6 | WA250-5 | •WA250PZ-6 | •WA320-6 |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | | | | |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 104 (140)/2000 | 101 (135)/2000 | 104 (140)/2000 | 127.3 (171)/2000 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 103 (138)/2000 | | 103 (138)/2000 | 125 (167)/2000 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | 100 (134)/2000 | | | 117 (156)/2000 |
| BUCKET CAPACITY* | $m^3$ (cu.yd) | | | | |
| PERFORMANCE: | | | | | |
| Travel speeds: | km/h (MPH) | | | | |
| Forward 1st | | 3.6-11.7 (2.2-7.3)** | 3.6-11.7 (2.2-7.3)** | 4.0-13.0 (2.5-8.1)** | 4.0-13.0 (2.5-8.1) |
| 2nd | | 11.7 (7.3) | 11.7 (7.3) | 13.0 (8.1) | 13.0 (8.1) |
| 3rd | | 16.2 (10.1) | 16.2 (10.1) | 18.0 (11.2) | 18.7 (11.6) |
| 4th | | 34.2 (21.2) | 34.2 (21.2) | 38.0 (23.6) | 38.0 (23.6) |
| Reverse 1st | | 4.0-13.0 (2.5-8.1)** | 3.6-11.7 (2.2-7.3)** | 4.0-13.0 (2.5-8.1)** | 4.0-13.0 (2.5-8.1) |
| 2nd | | 13.0 (8.1) | 11.7 (7.3) | 13.0 (8.1) | 13.0 (8.1) |
| 3rd | | 18.0 (11.2) | 16.2 (10.1) | 18.0 (11.2) | 18.7 (11.6) |
| 4th | | 38.0 (23.6) | 34.2 (21.2) | 38.0 (23.6) | 38.0 (23.6) |
| Turning radius* (Outside corner of bucket) | mm (ft.in) | | | | |
| Articulation angle: each dire./end stop | degree | 38/40 | 40 | 38/40 | 38.5/40 |
| DIMENSIONS*: | mm (ft.in) | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D107E-1 | KOMATSU SAA6D102E-2 | KOMATSU SAA6D107E-1 | KOMATSU SAA6D107E-1 |
| No. of cylinders- bore × stroke | mm (in) | 6-107 × 124 (4.21 × 4.88) | 6-102 × 120 (4.02 × 4.72) | 6-107 × 124 (4.21 × 4.88) | 6-107 × 124 (4.21 × 4.88) |
| Piston displacement | ltr. (cu.in) | 6.69 (408) | 5.88 (359) | 6.69 (408) | 6.69 (408) |
| CAPACITY: | | | | | |
| Fuel tank | ltr. (U.S. Gal) | 186 (49.1) | 184 (48.6) | 186 (49.1) | 245 (64.7) |

| Item | Model | WA320-5 | WA320-3 CUSTOM | •WA320PZ-6 | •WA380-6 |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | | | | |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | | | 127.3 (171)/2000 | 143 (192)/2100 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 124 (166)/2000 | 114 (153)/2350 | 125 (167)/2000 | 142 (191)/2100 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | | 117 (156)/2000 | 133 (179)/2100 |
| BUCKET CAPACITY* | $m^3$ (cu.yd) | | | | |
| PERFORMANCE: | | | | | |
| Travel speeds: | km/h (MPH) | | | | |
| Forward 1st | | 4.0-13.0 (2.5-8.1)** | 7.5 (4.7) | 4.0-13.0 (2.5-8.1) | 6.0 (3.7) |
| 2nd | | 13.0 (8.1) | 12.0 (7.5) | 13.0 (8.1) | 10.6 (6.7) |
| 3rd | | 18.0 (11.2) | 21.0 (13.0) | 18.7 (11.6) | 18.6 (11.6) |
| 4th | | 38.0 (23.6) | 34.0 (21.1) | 38.0 (23.6) | 31.1 (19.3) |
| Reverse 1st | | 4.0-13.0 (2.5-8.1)** | 7.8 (4.8) | 4.0-13.0 (2.5-8.1) | 6.5 (4.0) |
| 2nd | | 13.0 (8.1) | 12.5 (7.8) | 13.0 (8.1) | 11.3 (7.0) |
| 3rd | | 18.0 (11.2) | 22.0 (13.7) | 18.7 (11.6) | 20.2 (12.6) |
| 4th | | 38.0 (23.6) | 35.0 (21.7) | 38.0 (23.6) | 34.0 (21.1) |
| Turning radius* (Outside corner of bucket) | mm (ft.in) | | | | |
| Articulation angle: each dire./end stop | degree | 40 | 40 | 38.5/40 | 35/40 |
| DIMENSIONS*: | mm (ft.in) | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D102E-2 | KOMATSU SA6D102E-2 | KOMATSU SAA6D107E-1 | KOMATSU SAA6D107E-1 |
| No. of cylinders- bore × stroke | mm (in) | 6-102 × 120 (4.02 × 4.72) | 6-102 × 120 (4.02 × 4.72) | 6-107 × 124 (4.21 × 4.88) | 6-107 × 124 (4.21 × 4.88) |
| Piston displacement | ltr. (cu.in) | 5.88 (359) | 5.88 (359) | 6.69 (408) | 6.69 (408) |
| CAPACITY: | | | | | |
| Fuel tank | ltr. (U.S. Gal) | 228 (60.2) | 200 (52.8) | 245 (64.7) | 300 (79.3) |

* See PERFORMANCE DATA
** 1st speed can be set variably
• EPA Tier 3 and EU Stage 3A model



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| Item | Model | WA380Z-6 | WA380-5 | WA380-3 | •WA430-6 |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | | | | |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 143 (192)/2100 | | | 173 (232)/2100 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 141 (189)/2100 | 140 (187)/2000 | 140 (187)/2200 | 172 (231)/2100 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | 130 (175)/2100 | | | 163 (218)/2100 |
| BUCKET CAPACITY* | $m^3$ (cu.yd) | | | | |
| PERFORMANCE: | | | | | |
| Travel speeds: | km/h (MPH) | | | | |
| Forward 1st | | 6.6 (4.1) | 6.3 (3.9) | 7.1 (4.4) | 7.0 (4.4) |
| 2nd | | 11.5 (7.1) | 11.4 (7.1) | 11.4 (7.1) | 12.3 (7.6) |
| 3rd | | 20.2 (12.6) | 20.2 (12.6) | 20.2 (12.6) | 21.6 (13.4) |
| 4th | | 34.0 (21.1) | 31.5 (19.6) | 31.5 (19.6) | 37.2 (23.1) |
| Reverse 1st | | 7.1 (4.4) | 6.7 (4.2) | 7.4 (4.6) | 7.6 (4.7) |
| 2nd | | 12.3 (7.6) | 11.8 (7.3) | 11.8 (7.3) | 12.9 (8.0) |
| 3rd | | 21.5 (13.4) | 21.0 (13.0) | 21.0 (13.0) | 23.0 (14.3) |
| 4th | | 35.5 (22.1) | 32.5 (20.2) | 32.5 (20.2) | 37.2 (23.1) |
| Turning radius* (Outside corner of bucket) | mm (ft.in) | | | | |
| Articulation angle: each dire./end stop | degree | 35/40 | 40 | 40 | 35/40 |
| DIMENSIONS*: | mm (ft.in) | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D107E-1 | KOMATSU SAA6D114E-2 | KOMATSU S6D108-1 | KOMATSU SAA6D114E-3 |
| No. of cylinders- bore × stroke | mm (in) | 6-107 × 124 (4.21 × 4.88) | 6-114 × 135 (4.49 × 5.31) | 6-108 × 130 (4.25 × 5.12) | 6-114 × 135 (4.49 × 5.32) |
| Piston displacement | ltr. (cu.in) | 6.69 (408) | 8.27 (505) | 7.15 (436) | 8.27 (505) |
| CAPACITY: | | | | | |
| Fuel tank | ltr. (U.S. Gal) | 300 (79.3) | 300 (79.3) | 287 (75.8) | 325 (85.9) |

| Item | Model | WA430-5 | •WA470-6 | WA470-5 | WA470-3 |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | | | | |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | | 204 (273)/2000 | | |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 162 (217)/2000 | 203 (272)/2000 | 195 (261)/2000 | 194 (260)/2200 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | 191 (256)/2000 | | |
| BUCKET CAPACITY* | $m^3$ (cu.yd) | | | | |
| PERFORMANCE: | | | | | |
| Travel speeds: | km/h (MPH) | | | | |
| Forward 1st | | 6.6 (4.1) | 7.6 (4.7) | 6.3 (3.9) | 6.2 (3.9) |
| 2nd | | 11.5 (7.1) | 13.1 (8.1) | 12.1 (7.5) | 11.2 (7.0) |
| 3rd | | 20.4 (12.7) | 22.9 (14.2) | 21.7 (13.5) | 19.8 (12.3) |
| 4th | | 33.2 (20.6) | 36.2 (37.2) | 34.9 (21.7) | 31.5 (19.6) |
| Reverse 1st | | 7.1 (4.4) | 7.9 (4.9) | 6.7 (4.2) | 6.4 (4.0) |
| 2nd | | 12.3 (7.6) | 13.5 (8.4) | 12.8 (8.0) | 11.7 (7.3) |
| 3rd | | 21.6 (13.4) | 23.6 (14.7) | 23.0 (14.3) | 20.7 (12.9) |
| 4th | | 34.9 (21.7) | 37.3 (23.2) | 36.0 (22.4) | 32.7 (20.3) |
| Turning radius* (Outside corner of bucket) | mm (ft.in) | | | | |
| Articulation angle: each dire./end stop | degree | 40 | 35/40 | 40 | 40 |
| DIMENSIONS*: | mm (ft.in) | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D125E-3 | KOMATSU SAA6D125E-5 | KOMATSU SAA6D125E-3 | KOMATSU S6D125-1 |
| No. of cylinders- bore × stroke | mm (in) | 6-125 × 150 (4.92 × 5.91) | 6-125 × 150 (4.92 × 5.91) | 6-125 × 150 (4.92 × 5.91) | 6-125 × 150 (4.92 × 5.91) |
| Piston displacement | ltr. (cu.in) | 11.04 (674) | 11.04 (674) | 11.04 (674) | 11.04 (674) |
| CAPACITY: | | | | | |
| Fuel tank | ltr. (U.S. Gal) | 343 (90.6) | 413 (109.1) | 390 (103.0) | 400 (105.7) |

* See PERFORMANCE DATA
• EPA Tier 3 and EU Stage 3A model



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| Item | Model | •WA480-6 | •WA500-6 | WA500-6R | WA500-3 |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | | | | |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 224 (300)/2000 | 266 (357)/1900 | 266 (357)/1900 | |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 223 (299)/2000 | 263 (353)/1900 | 263 (353)/1900 | 235 (315)/2100 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | 211 (283)/2000 | 248 (332)/1900 | 248 (332)/1900 | |
| BUCKET CAPACITY* | $m^3$ (cu.yd) | | | | |
| PERFORMANCE: | | | | | |
| Travel speeds: | km/h (MPH) | | | | |
| Forward 1st | | 7.7 (4.8) | 7.7 (4.8) | 7.7 (4.8) | 6.7 (4.2) |
| 2nd | | 13.1 (8.1) | 12.5 (7.8) | 12.5 (7.8) | 12.0 (7.5) |
| 3rd | | 22.9 (14.2) | 22.3 (13.9) | 22.3 (13.9) | 20.2 (12.6) |
| 4th | | 36.3 (22.6) | 34.9 (21.7) | 34.9 (21.7) | 33.0 (20.5) |
| Reverse 1st | | 7.9 (4.9) | 8.6 (5.3) | 8.6 (5.3) | 7.5 (4.7) |
| 2nd | | 13.5 (8.4) | 13.0 (8.1) | 13.0 (8.1) | 13.4 (8.3) |
| 3rd | | 23.6 (14.7) | 24.8 (15.4) | 24.8 (15.4) | 22.5 (14.0) |
| 4th | | 37.4 (23.2) | 37.5 (23.3) | 36.5 (22.7) | 36.1 (22.4) |
| Turning radius* (Outside corner of bucket) | mm (ft.in) | | | | |
| Articulation angle: each dire./end stop | degree | 35/40 | 40 | 40 | 40 |
| DIMENSIONS*: | mm (ft.in) | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D125E-5 | KOMATSU SAA6D140E-5 | KOMATSU SAA6D140E-5 | KOMATSU SA6D140E-3 |
| No. of cylinders- bore × stroke | mm (in) | 6-125 × 150 (4.92 × 5.91) | 6-140 × 165 (5.51 × 6.50) | 6-140 × 165 (5.51 × 6.50) | 6-140 × 165 (5.51 × 6.50) |
| Piston displacement | ltr. (cu.in) | 11.04 (674) | 15.24 (930) | 15.24 (930) | 15.24 (930) |
| CAPACITY: | | | | | |
| Fuel tank | ltr. (U.S. Gal) | 413 (109.1) | 473 (124.9) | 473 (124.9) | 450 (118.9) |

| Item | Model | •WA600-6 | WA600-6R | WA600-3 | WA700-3 |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | | | | |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 396 (530)/1800 | 396 (530)/1800 | | |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 393 (527)/1800 | 393 (527)/1800 | 357 (478)/2000 | 502 (672)/2000 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | 374 (502)/1900 | 374 (502)/1800 | | |
| BUCKET CAPACITY* | $m^3$ (cu.yd) | | | | |
| PERFORMANCE: | | | | | |
| Travel speeds: | km/h (MPH) | | | | |
| Forward 1st | | 6.7 (4.2) | 6.7 (4.2) | 6.4 (4.0) | 6.4 (4.0) |
| 2nd | | 11.7 (7.3) | 11.7 (7.3) | 11.1 (6.9) | 11.1 (6.9) |
| 3rd | | 20.3 (12.6) | 20.3 (12.6) | 18.8 (11.7) | 18.7 (11.6) |
| 4th | | 33.8 (21.0) | 33.8 (21.0) | 30.3 (18.8) | 30.0(18.6) |
| Reverse 1st | | 7.3 (4.5) | 7.3 (4.5) | 7.1 (4.4) | 7.1 (4.4) |
| 2nd | | 12.8 (8.0) | 12.8 (8.0) | 12.2 (7.6) | 12.3 (7.6) |
| 3rd | | 22.0 (13.7) | 22.0 (13.7) | 20.5 (12.7) | 20.5 (12.7) |
| 4th | | 37.0( 23.0) | 37.0( 23.0) | 32.7 (20.3) | 32.3 (20.1) |
| Turning radius* (Outside corner of bucket) | mm (ft.in) | | | | |
| Articulation angle: each dire./end stop | degree | 43 | 43 | 43 | 40 |
| DIMENSIONS*: | mm (ft.in) | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D170E-5 | KOMATSU SAA6D170E-5 | KOMATSU SAA6D170E-3 | KOMATSU SAA6D170E-3 |
| No. of cylinders- bore × stroke | mm (in) | 6-170 × 170 (6.69 × 6.69) | 6-170 × 170 (6.69 × 6.69) | 6-170 × 170 (6.69 × 6.69) | 6-170 × 170 (6.69 × 6.69) |
| Piston displacement | ltr. (cu.in) | 23.15 (1413) | 23.15 (1413) | 23.15 (1413) | 23.15 (1413) |
| CAPACITY: | | | | | |
| Fuel tank | ltr. (U.S. Gal) | 718 (189.7) | 718 (189.7) | 670 (177) | 1100 (290.6) |

* See PERFORMANCE DATA
• EPA Tier 3 and EU Stage 3A model



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| Item | Model | WA800-3E0 | WA800-3 | WA900-3E0 | WA900-3 |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | | | | |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 636 (853)/2000 | | 672 (900)/2050 | |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 603 (808)/2000 | 603 (808)/2000 | 638 (856)/2000 | 637 (853)/2000 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | | | |
| BUCKET CAPACITY* | $m^3$ (cu.yd) | | | | |
| PERFORMANCE: | | | | | |
| Travel speeds: | km/h (MPH) | | | | |
| Forward 1st | | 7.0 (4.3) | 7.0 (4.3) | 7.0 (4.3) | 7.0 (4.3) |
| 2nd | | 12.3 (7.6) | 12.3 (7.6) | 12.3 (7.6) | 12.3 (7.6) |
| 3rd | | 28.0 (17.4) | 28.0 (17.4) | 28.0 (17.4) | 28.0 (17.4) |
| 4th | | | | | |
| Reverse 1st | | 7.1 (4.4) | 7.1 (4.4) | 7.1 (4.4) | 7.1 (4.4) |
| 2nd | | 12.4 (7.7) | 12.4 (7.7) | 12.4 (7.7) | 12.4 (7.7) |
| 3rd | | 28.3 (17.6) | 28.3 (17.6) | 28.3 (17.6) | 28.3 (17.6) |
| 4th | | | | | |
| Turning radius* (Outside corner of bucket) | mm (ft.in) | | | | |
| Articulation angle: each dire./end stop | degree | 40 | 40 | 40 | 40 |
| DIMENSIONS*: | mm (ft.in) | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA12V140E-3 | KOMATSU SA12V140-1 | KOMATSU SAA12V140E-3 | KOMATSU SA12V140-1 |
| No. of cylinders- bore × stroke | mm (in) | 12-140 × 165 (5.51 × 6.50) | 12-140 × 165 (5.51 × 6.50) | 12-140 × 165 (5.51 × 6.50) | 12-140 × 165 (5.51 × 6.50) |
| Piston displacement | ltr. (cu.in) | 30.5 (1,861) | 30.5 (1,861) | 30.5 (1,861) | 30.5 (1,861) |
| CAPACITY: | | | | | |
| Fuel tank | ltr. (U.S. Gal) | 1555 (410.8) | 1425 (376.5) | 1555 (410.8) | 1430 (377.8) |

| Item | Model | WA1200-6 | | | |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | | | | |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 1411 (1892)/1800 | | | |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 1316 (1765)/1800 | | | |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | | | |
| BUCKET CAPACITY* | $m^3$ (cu.yd) | | | | |
| PERFORMANCE: | | | | | |
| Travel speeds: | km/h (MPH) | | | | |
| Forward 1st | | 6.1 (3.8) | | | |
| 2nd | | 11.1 (6.9) | | | |
| 3rd | | 18.7 (11.6) | | | |
| 4th | | | | | |
| Reverse 1st | | 6.3 (3.9) | | | |
| 2nd | | 11.4 (7.1) | | | |
| 3rd | | 19.3 (12.0) | | | |
| 4th | | | | | |
| Turning radius* (Outside corner of bucket) | mm (ft.in) | | | | |
| Articulation angle: each dire./end stop | degree | 40 | | | |
| DIMENSIONS*: | mm (ft.in) | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SSDA16V160E-2 | | | |
| No. of cylinders- bore × stroke | mm (in) | 16-159 × 190 (6.26 × 7.48) | | | |
| Piston displacement | ltr. (cu.in) | 60.0 (3661) | | | |
| CAPACITY: | | | | | |
| Fuel tank | ltr. (U.S. Gal) | 5100 (1347) | | | |

* See PERFORMANCE DATA



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## 2. USA sourced models

| Item | Model | •WA150-6*** | •WA200-6*** | WA200PZ-6*** | •WA250-6*** |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | | | | |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 74 (99)/2200 | 95.2 (128)/2000 | 95.2 (128)/2000 | 104 (140)/2000 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 73 (98)/2200 | 94 (126)/2000 | 94 (126)/2000 | 103 (138)/2000 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | 71 (95)/2200 | 91 (122)/2000 | | 100 (134)/2000 |
| BUCKET CAPACITY* | $m^3$ (cu.yd) | | | | |
| PERFORMANCE: | | | | | |
| Travel speeds: | km/h (MPH) | | | | |
| Forward 1st | | 5.5-13.6 (3.4-8.5)** | 4.4-14.3 (2.7-8.9)** | 4.4-14.3 (2.7-8.9)** | 4.0-13.0 (2.5-8.1)** |
| 2nd | | 13.6 (8.5) | 14.3 (8.9) | 14.3 (8.9) | 13.0 (8.1) |
| 3rd | | 23.5 (14.6) | 22.0 (13.9) | 22.0 (13.9) | 18.0 (11.2) |
| 4th | | 38.0 (23.6) | 38.0 (23.6) | 38.0 (23.6) | 38.0 (23.6) |
| Reverse 1st | | 5.5-13.6 (3.4-8.5)** | 4.4-14.3 (2.7-8.9)** | 4.4-14.3 (2.7-8.9)** | 4.0-13.0 (2.5-8.1)** |
| 2nd | | 13.6 (8.5) | 14.3 (8.9) | 14.3 (8.9) | 13.0 (8.1) |
| 3rd | | 23.5 (14.6) | 22.0 (13.7) | 22.0 (13.7) | 18.0 (11.2) |
| 4th | | 38.0 (23.6) | 38.0 (23.6) | 38.0 (23.6) | 38.0 (23.6) |
| Turning radius* | mm (ft.in) | | | | |
| (Outside corner of bucket) | | | | | |
| Articulation angle: each dire./end stop | degree | 38/40 | 38/40 | 38/40 | 38/40 |
| DIMENSIONS*: | mm (ft.in) | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA4D95LE-5 | KOMATSU SA4D107E-1 | KOMATSU SAA4D107E-1 | KOMATSU SAA6D107E-1 |
| No. of cylinders- bore × stroke | mm (in) | 4-95 × 115 (3.74 × 4.53) | 4-107 × 124 (4.21 × 4.88) | 4-107 × 124 (4.21 × 4.88) | 6-107 × 124 (4.21 × 4.88) |
| Piston displacement | ltr. (cu.in) | 3.26 (199) | 4.46 (272) | 4.46 (272) | 6.69 (408) |
| CAPACITY: | | | | | |
| Fuel tank | ltr. (U.S. Gal) | 133 (35.1) | 177 (46.8) | 177 (46.8) | 186 (49.1) |

| Item | Model | •WA250PZ-6*** | •WA320-6*4 | •WA320PZ-6*** | ○WA380-7*4 |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | | | | |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 104 (140)/2000 | 127.3 (171)/2000 | 127.3 (171)/2000 | 143 (192)/2100 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 103 (138)/2000 | 125 (167)/2000 | 125 (167)/2000 | 142 (191)/2100 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | 100 (134)/2000 | 117 (156)/2000 | 117 (156)/2000 | |
| BUCKET CAPACITY* | $m^3$ (cu.yd) | | | | |
| PERFORMANCE: | | | | | |
| Travel speeds: | km/h (MPH) | | | | |
| Forward 1st | | 4.0-13.0 (2.5-8.1)** | 4.0-13.0 (2.5-8.1)** | 4.0-13.0 (2.5-8.1) | 6.6 (4.1) |
| 2nd | | 13.0 (8.1) | 13.0 (8.1) | 13.0 (8.1) | 11.7 (7.3) |
| 3rd | | 18.0 (11.2) | 18.7 (11.6) | 18.7 (11.6) | 20.9 (13.0) |
| 4th | | 38.0 (23.6) | 38.0 (23.6) | 38.0 (23.6) | 36.1 (22.4) |
| Reverse 1st | | 4.0-13.0 (2.5-8.1)** | 4.0-13.0 (2.5-8.1)** | 4.0-13.0 (2.5-8.1) | 7.1 (4.4) |
| 2nd | | 13.0 (8.1) | 13.0 (8.1) | 13.0 (8.1) | 12.4 (7.7) |
| 3rd | | 18.0 (11.2) | 18.6 (11.6) | 18.7 (11.6) | 22.3 (13.9) |
| 4th | | 38.0 (23.6) | 38.0 (23.6) | 38.0 (23.6) | 38.6 (24.0) |
| Turning radius* | mm (ft.in) | | | | |
| (Outside corner of bucket) | | | | | |
| Articulation angle: each dire./end stop | degree | 38/40 | 38.5/40 | 38.5/40 | 35/40 |
| DIMENSIONS*: | mm (ft.in) | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D107E-1 | KOMATSU SAA6D107E-1 | KOMATSU SAA6D107E-1 | KOMATSU SAA6D107E-2 |
| No. of cylinders- bore × stroke | mm (in) | 6-107 × 124 (4.21 × 4.88) | 6-107 × 124 (4.21 × 4.88) | 6-107 × 124 (4.21 × 4.88) | 6-107 × 124 (4.21 × 4.88) |
| Piston displacement | ltr. (cu.in) | 6.69 (408) | 6.69 (408) | 6.69 (408) | 6.69 (408) |
| CAPACITY: | | | | | |
| Fuel tank | ltr. (U.S. Gal) | 186 (49.1) | 245 (64.7) | 245 (64.7) | 300 (79.3) |

* See PERFORMANCE DATA
** 1st speed can be set variably
*** For USA
*4 USA source
• EPA Tier 3 and EU Stage 3A model
○ EPA Tier 4 and EU Stage 3B model


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| Item | Model | •WA430-6*4 | ○WA470-7*4 | •WA480-6*4 | ○WA500-7*4 |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | | | | |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 173 (232)/2100 | 204 (273)/2000 | 224 (300)/2000 | 266 (357)/1900 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 172 (231)/2100 | 203 (272)/2000 | 223 (299)/2000 | 263 (353)/1900 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | 163 (218)/2100 | 194 (260)/2000 | 211 (283)/2000 | 250 (335)/1900 |
| BUCKET CAPACITY* | $m^3$ (cu.yd) | | | | |
| PERFORMANCE: | | | | | |
| Travel speeds: | km/h (MPH) | | | | |
| Forward 1st | | 7.0 (4.4) | 7.6 (4.7) | 7.7 (4.8) | 7.5 (4.7) |
| 2nd | | 12.3 (7.6) | 13.1 (8.1) | 13.1 (8.1) | 12.9 (8.0) |
| 3rd | | 21.6 (13.4) | 22.9 (14.2) | 22.9 (14.2) | 22.2 (13.8) |
| 4th | | 37.2 (23.1) | 36.2 (22.5) | 36.3 (22.6) | 35.5 (22.1) |
| Reverse 1st | | 7.6 (4.7) | 7.9 (4.9) | 7.9 (4.9) | 8.5 (5.3) |
| 2nd | | 12.9 (8.0) | 13.5 (8.4) | 13.5 (8.4) | 12.9 (8.0) |
| 3rd | | 23.6 (14.3) | 23.6 (14.7) | 23.6 (14.7) | 24.7 (15.3) |
| 4th | | 37.2 (23.1) | 37.3 (23.2) | 37.4 (23.2) | 38.0 (23.6) |
| Turning radius* (Outside corner of bucket) | mm (ft.in) | | | | |
| Articulation angle: each dire./end stop | degree | 35/40 | 35/40 | 35/40 | 36/40 |
| DIMENSIONS*: | mm (ft.in) | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D114E-3 | KOMATSU SAA6D125E-6 | KOMATSU SAA6D125E-5 | KOMATSU SAA6D140E-6 |
| No. of cylinders- bore × stroke | mm (in) | 6-114 × 135 (4.49 × 5.31) | 6-125 × 150 (4.92 × 5.91) | 6-125 × 150 (4.92 × 5.91) | 6-140 × 165 (5.51 × 6.50) |
| Piston displacement | ltr. (cu.in) | 8.27 (505) | 11.04 (674) | 11.04 (674) | 15.24 (930) |
| CAPACITY: | | | | | |
| Fuel tank | ltr. (U.S. Gal) | 325 (85.9) | 380 (100) | 413 (109.1) | 473 (125) |

* See PERFORMANCE DATA
*4 USA source
*5 With large-capacity torque converter
• EPA Tier 3 and EU Stage 3A model
○ EPA Tier 4 and EU Stage 3B model



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### 3. Germany sourced models

| Item | Model | •WA65-6 | •WA70-6 | •WA80-6 | •WA90-6 |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | | | | |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 40 (53.6)/2350 | 45 (60.3)/2350 | 50 (67.0)/2270 | 59 (79.1)/2350 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | | | | |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | | | |
| BUCKET CAPACITY* | $m^3$ (cu.yd) | | | | |
| PERFORMANCE: | | | | | |
| Travel speeds: | km/h (MPH) | | | | |
| Forward 1st | | 5.0 (3.1) | 5.0 (3.1) | 4.5 (2.8) | 6.0 (3.7) |
| 2nd | | 20.0 (12.4) | 20.0 (12.4) | 20.0 (12.4) | 20.0 (12.4) |
| 3rd | | | | | |
| 4th | | | | | |
| Reverse 1st | | 5.0 (3.1) | 5.0 (3.1) | 4.5 (2.8) | 6.0 (3.7) |
| 2nd | | 20.0 (12.4) | 20.0 (12.4) | 20.0 (12.4) | 20.0 (12.4) |
| 3rd | | | | | |
| 4th | | | | | |
| Turning radius* | mm (ft.in) | | | | |
| (Outside corner of bucket) | | | | | |
| Articulation angle: each dire./end stop | degree | 40 | 40 | 42 | 40 |
| DIMENSIONS*: | mm (ft.in) | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU 4D95LWE-5 | KOMATSU 4D95LWE-5 | KOMATSU S4D95LWE-5 | KOMATSU SAA4D95LE-5 |
| No. of cylinders- bore × stroke | mm (in) | 4-95 × 115 (3.74 × 4.53) | 4-95 × 115 (3.74 × 4.53) | 4-95 × 115 (3.74 × 4.53) | 4-95 × 115 (3.74 × 4.53) |
| Piston displacement | ltr. (cu.in) | 3.3 (201) | 3.3 (201) | 3.3 (201) | 3.3 (201) |
| CAPACITY: | | | | | |
| Fuel tank | ltr. (U.S. Gal) | 132 (34.9) | 132 (34.9) | 140 (37.0) | 140 (37.0) |

| Item | Model | •WA100M-6 | •WA150PZ-6*4 | •WA200PZ-6 | •WA250PZ-6 |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | | | | |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 66 (88.5)/2350 | 73 (98)/2200 | 94 (126)/2000 | 103 (138)/2000 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | | | | |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | | | |
| BUCKET CAPACITY* | $m^3$ (cu.yd) | | | | |
| PERFORMANCE: | | | | | |
| Travel speeds: | km/h (MPH) | | | | |
| Forward 1st | | 5.0 (3.1)/6.6 (4.1)*** | 5.5-13.6 (3.4-8.5)** | 4.4-14.3 (2.7-8.9)** | 4.0-13.0 (2.5-8.1)** |
| 2nd | | 20.0 (12.4)/30.0 (18.6) | 13.6 (8.5) | 14.3 (8.9) | 13.0 (8.1) |
| 3rd | | | 23.5 (14.6) | 22.0 (13.7) | 18.0 (11.2) |
| 4th | | | 38.0 (23.6) | 38.0 (23.6) | 38.0 (23.6) |
| Reverse 1st | | 5.0 (3.1)/6.6 (4.1) | 5.5-13.6 (3.4-8.5) | 4.4-14.3 (2.7-8.9)** | 4.0-13.0 (2.5-8.1)** |
| 2nd | | 20.0(12.4)/30.0 (18.6) | 13.6 (8.5) | 14.3 (8.9) | 13.0 (8.1) |
| 3rd | | | 23.5 (14.6) | 22.0 (13.7) | 18.0 (11.2) |
| 4th | | | 38.0 (23.6) | 38.0 (23.6) | 38.0 (23.6) |
| Turning radius* | mm (ft.in) | | | | |
| (Outside corner of bucket) | | | | | |
| Articulation angle: each dire./end stop | degree | 42 | 40 | 40 | 40 |
| DIMENSIONS*: | mm (ft.in) | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA4D95LE-5 | KOMATSU SAA4D95LE-5 | KOMATSU SAA4D107E-1 | KOMATSU SAA6D107E-1 |
| No. of cylinders- bore × stroke | mm (in) | 4-95 × 115 (3.74 × 4.53) | 4-95 × 115 (3.74 × 4.53) | 4-107 × 124 (4.21 × 4.88) | 6-107 × 124 (4.21 × 4.85) |
| Piston displacement | ltr. (cu.in) | 3.26 (199) | 3.26 (199) | 4.46 (272) | 6.69 (408) |
| CAPACITY: | | | | | |
| Fuel tank | ltr. (U.S. Gal) | 140 (37.0) | 133 (35.1) | 177 (46.8) | 186 (49.1) |

* See PERFORMANCE DATA
** 1st speed can be set variably
*** 20 km/h version / 30 km/h version
*4 for EU
• EPA Tier 3 and EU Stage 3A model


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| Item | Model | •WA320-6 | •WA320PZ-6 | ○WA380-7*** | •WA380-6 |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | | | | |
| HORSEPOWER SAE J1995 Gross<br>ISO9249 /SAE J1349 Net<br>Hyd. fan at max. speed Net | kW (HP)/RPM<br>kW (HP)/RPM<br>kW (HP)/RPM | 125 (167)/2000 | 125 (167)/2000 | 142 (191)/2100 | 142 (191)/2100 |
| BUCKET CAPACITY* | $m^3$ (cu.yd) | | | | |
| PERFORMANCE:<br>Travel speeds:<br>Forward 1st<br>2nd<br>3rd<br>4th<br>Reverse 1st<br>2nd<br>3rd<br>4th<br>Turning radius*<br>(Outside corner of bucket)<br>Articulation angle: each dire./end stop | km/h (MPH)<br><br>4-13 (2.5-8.1)**<br>13 (8.1)<br>19 (11.8)<br>38 (23.6)<br>4-13 (2.5-8.1)**<br>13 (8.1)<br>19 (11.8)<br>38 (23.6)<br>mm (ft.in)<br><br>degree | <br><br>4-13 (2.5-8.1)**<br>13 (8.1)<br>19 (11.8)<br>38 (23.6)<br>4-13 (2.5-8.1)**<br>13 (8.1)<br>19 (11.8)<br>38 (23.6)<br><br><br>40 | <br><br>4-13 (2.5-8.1)**<br>13 (8.1)<br>19 (11.8)<br>38 (23.6)<br>4-13 (2.5-8.1)**<br>13 (8.1)<br>19 (11.8)<br>38 (23.6)<br><br><br>40 | <br><br>6.6 (4.1)/-<br>11.7 (7.3)/12.4 (7.7)*4<br>20.9 (13)/22.5 (14)*4<br>36.1(22.4)/40 (25)*4<br>7.1 (4.4)/-<br>12.4 (7.4)/ 13.3 (8.3)*4<br>22.3(13.9)/24.1(15)*4<br>38.6 (24)/40 (24.9)*4<br><br><br>40 | <br><br>6.6 (4.1)<br>11.5 (7.1)<br>20.2 (12.3)<br>33.5 (20.8)<br>7.1 (2.8)<br>12.3 (7.6)<br>21.5 (13.4)<br>39.0 (24.2)<br><br><br>40 |
| DIMENSIONS*: | mm (ft.in) | | | | |
| ENGINE:<br>Model<br><br>No. of cylinders-<br>bore × stroke<br>Piston displacement | <br><br>mm (in)<br><br>ltr. (cu.in) | <br>KOMATSU<br>SAA6D107E-1<br>6-107 × 124<br>(4.21 × 4.88)<br>6.69 (408) | <br>KOMATSU<br>SAA6D107E-1<br>6-107 × 124<br>(4.21 × 4.88)<br>6.69 (408) | <br>KOMATSU<br>SAA6D107E-2<br>6-107 × 124<br>(4.21 × 4.88)<br>6.69 (408) | <br>KOMATSU<br>SAA6D107E-1<br>6-107 × 124<br>(4.21 × 4.88)<br>6.69 (408) |
| CAPACITY:<br>Fuel tank | ltr. (U.S. Gal) | 245 (64.7) | 245 (64.7) | 300 (79.3) | 300 (79.3) |

| Item | Model | •WA430-6 | •WA470-6*5 | •WA480-6*5 | ○WA500-7*** |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | | | | |
| HORSEPOWER SAE J1995 Gross<br>ISO9249 /SAE J1349 Net<br>Hyd. fan at max. speed Net | kW (HP)/RPM<br>kW (HP)/RPM<br>kW (HP)/RPM | 173 (232)/2000 | 203 (272)/2000 | 223 (299)/2000 | 263 (353)/1900 |
| BUCKET CAPACITY* | $m^3$ (cu.yd) | | | | |
| PERFORMANCE:<br>Travel speeds:<br>Forward 1st<br>2nd<br>3rd<br>4th<br>Reverse 1st<br>2nd<br>3rd<br>4th<br>Turning radius*<br>(Outside corner of bucket)<br>Articulation angle: each dire./end stop | km/h (MPH)<br><br>6.8 (4.2)<br>12.4 (7.7)<br>21.5 (13.4)<br>35.0 (21.7)<br>7.3 (4.5)<br>12.9 (8.0)<br>22.7 (14.1)<br>36.0 (22.4)<br>mm (ft.in)<br><br>degree | <br><br>6.8 (4.2)<br>12.4 (7.7)<br>21.5 (13.4)<br>35.0 (21.7)<br>7.3 (4.5)<br>12.9 (8.0)<br>22.7 (14.1)<br>36.0 (22.4)<br><br><br>40 | <br><br>7.6 (4.7)<br>13.2 (8.2)<br>22.7 (14.1)<br>36.2 (22.5)<br>7.9 (4.9)<br>13.5 (8.4)<br>23.5 (14.6)<br>37.3 (23.2)<br><br><br>37 | <br><br>7.6 (4.7)<br>13.2 (8.2)<br>22.7 (14.1)<br>36.2 (22.5)<br>7.9 (4.9)<br>13.5 (8.4)<br>23.5 (14.6)<br>37.3 (23.2)<br><br><br>37 | <br><br>7.5 (4.7)/-<br>12.9 (8.0)/13.1 (8.1)*4<br>22.2 (13.8)/23.7 (14.7)*4<br>35.5 (22.1)/37.3 (23.2)*4<br>8.5 (5.3)/-<br>12.9 (8.0)/13.0 (8.1)*4<br>24.7 (15.3)/26.6 (16.5)*4<br>38.0 (23.6)/38.0 (23.6)*4<br><br><br>40 |
| DIMENSIONS*: | mm (ft.in) | | | | |
| ENGINE:<br>Model<br><br>No. of cylinders-<br>bore × stroke<br>Piston displacement | <br><br>mm (in)<br><br>ltr. (cu.in) | <br>KOMATSU<br>SAA6D114E-2<br>6-114 × 135<br>(4.49 × 5.31)<br>8.27 (505) | <br>KOMATSU<br>SAA6D125E-5<br>6-125 × 150<br>(4.92 × 5.91)<br>11.04 (674) | <br>KOMATSU<br>SAA6D125E-5<br>6-125 × 150<br>(4.92 × 5.91)<br>11.4 (674) | <br>KOMATSU<br>SAA6D140E-6<br>6-140 × 165<br>(5.51 × 6.5)<br>15.24 (930) |
| CAPACITY:<br>Fuel tank | ltr. (U.S. Gal) | 300 (79.3) | 413 (109.1) | 413 (109.1) | 473 (125) |

* See PERFORMANCE DATA
** 1st speed can be set variably
*** for EU
*4 with torque converter lock-up
*5 with large-capacity torque converter
• EPA Tier 3 and EU Stage 3A model
○ EPA Tier 4 Interim and EU Stage 3B model



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| Item | Model / | •WA500-6 | | | |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | | | | |
| HORSEPOWER SAE J1995 Gross<br>ISO9249 /SAE J1349 Net<br>Hyd. fan at max. speed Net | kW (HP)/RPM<br>kW (HP)/RPM<br>kW (HP)/RPM | 263 (353)/1900 | | | |
| BUCKET CAPACITY* | $m^3$ (cu.yd) | | | | |
| PERFORMANCE:<br>Travel speeds:<br>Forward 1st<br>2nd<br>3rd<br>4th<br>Reverse 1st<br>2nd<br>3rd<br>4th<br>Turning radius*<br>(Outside corner of bucket)<br>Articulation angle: each dire./end stop | km/h (MPH)<br><br><br><br><br><br><br><br><br>mm (ft.in)<br><br>degree | <br>7.7 (4.8)<br>12.5 (7.8)<br>22.3 (13.9)<br>35.0 (21.7)<br>8.6 (5.3)<br>13.0 (8.1)<br>25.0 (15.5)<br>37.5 (23.3)<br><br><br>40 | | | |
| DIMENSIONS*: | mm (ft.in) | | | | |
| ENGINE:<br>Model<br><br>No. of cylinders-<br>bore × stroke<br>Piston displacement | <br><br><br>mm (in)<br><br>ltr. (cu.in) | <br>KOMATSU<br>SA6D140E-5<br>6-140 × 165<br>(5.51 × 6.5)<br>15.24 (930) | | | |
| CAPACITY:<br>Fuel tank | <br>ltr. (U.S. Gal) | <br>473 (125) | | | |

* See PERFORMANCE DATA
** 1st speed can be set variably
*** for EU
*4 with torque converter lock-up
*5 with large-capacity torque converter
• EPA Tier 3 and EU Stage 3A model
○ EPA Tier 4 Interim and EU Stage 3B model


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## 4. China and Brazil sourced models

| Item | Model | WA200-5*** | WA320-5** | WA320-5*** | •WA380-6** |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | | | | |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | | | 127 (170)/2000 | 143 (192)/2100 |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 95 (127)/2000 | 124 (166)/2000 | 124 (166)/2000 | 142 (191)/2100 |
| Hyd. fan at max. speed Net | kW (HP)/RPM | | | | 133 (179)/2100 |
| BUCKET CAPACITY* | $m^3$ (cu.yd) | | | | |
| PERFORMANCE: | | | | | |
| Travel speeds: | km/h (MPH) | | | | |
| Forward 1st | | 4.0-13.0 (2.5-8.1)*4 | 4.0-13.0 (2.5-8.1)*4 | 4.0-13.0 (2.5-8.1)*4 | 6.6 (4.1) |
| 2nd | | 13.0 (8.1) | 13.0 (8.1) | 13.0 (8.1) | 11.5 (7.1) |
| 3rd | | 20.0 (12.4) | 18.0 (11.2) | 18.0 (11.2) | 20.2 (12.6) |
| 4th | | 34.5 (21.4) | 38.0 (23.6) | 38.0 (23.6) | 34.0 (21.1) |
| Reverse 1st | | 4.4-14.3 (2.7-8.9)*4 | 4.0-13.0 (2.5-8.1)*4 | 4.0-13.0 (2.5-8.1)*4 | 7.1 (4.4) |
| 2nd | | 14.3 (8.9) | 13.0 (8.1) | 13.0 (8.1) | 12.3 (7.6) |
| 3rd | | 22.0 (13.7) | 18.0 (11.2) | 18.0 (11.2) | 21.5 (13.4) |
| 4th | | 38.0 (23.6) | 38.0 (23.6) | 38.0 (23.6) | 35.5 (22.1) |
| Turning radius* | mm (ft.in) | | | | |
| (Outside corner of bucket) | | | | | |
| Articulation angle: each dire./end stop | degree | 40 | 40 | 40 | 35/40 |
| DIMENSIONS*: | mm (ft.in) | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D102E-2 | KOMATSU SAA6D102E-2-A | KOMATSU SAA6D102E-2-A | KOMATSU SAA6D107E-1 |
| No. of cylinders- bore × stroke | mm (in) | 6-102 × 120 (4.02 × 4.72) | 6-102 × 120 (4.02 × 4.72) | 6-102 × 120 (4.02 × 4.72) | 6-107 × 124 (4.21 × 4.88) |
| Piston displacement | ltr. (cu.in) | 5.88 (359) | 5.88 (359) | 5.88 (359) | 6.69 (408) |
| CAPACITY: | | | | | |
| Fuel tank | ltr. (U.S. Gal) | 175 (46.2) | 228 (60.2) | 228 (60.2) | 300 (79.3) |

| Item | Model | •WA380Z-6** | •WA470-6** | | |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | | | | |
| HORSEPOWER SAE J1995 Gross | kW (HP)/RPM | 143 (192)/2100 | 204 (273)/2000 | | |
| ISO9249 /SAE J1349 Net | kW (HP)/RPM | 142 (191)/2100 | 203 (272)/2000 | | |
| Hyd. fan at max. speed Net | kW (HP)/RPM | 133 (179)/2100 | 191 (256)/2000 | | |
| BUCKET CAPACITY* | $m^3$ (cu.yd) | | | | |
| PERFORMANCE: | | | | | |
| Travel speeds: | km/h (MPH) | | | | |
| Forward 1st | | 6.6 (4.1) | 7.6 (4.7) | | |
| 2nd | | 11.5 (7.1) | 13.1 (8.1) | | |
| 3rd | | 20.2 (12.6) | 22.9 (14.2) | | |
| 4th | | 34.0 (21.1) | 36.2 (22.5) | | |
| Reverse 1st | | 7.1 (4.4) | 7.9 (4.9) | | |
| 2nd | | 12.3 (7.6) | 13.5 (8.4) | | |
| 3rd | | 21.5 (13.4) | 23.6 (14.7) | | |
| 4th | | 35.5 (22.1) | 37.3 (23.2) | | |
| Turning radius* | mm (ft.in) | | | | |
| (Outside corner of bucket) | | | | | |
| Articulation angle: each dire./end stop | degree | 35/40 | 35/40 | | |
| DIMENSIONS*: | mm (ft.in) | | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D107E-1 | KOMATSU SAA6D107E-1 | | |
| No. of cylinders- bore × stroke | mm (in) | 6-107 × 124 (4.21 × 4.88) | 6-107 × 124 (4.21 × 4.88) | | |
| Piston displacement | ltr. (cu.in) | 6.69 (408) | 6.69 (408) | | |
| CAPACITY: | | | | | |
| Fuel tank | ltr. (U.S. Gal) | 300 (79.3) | 300 (79.3) | | |

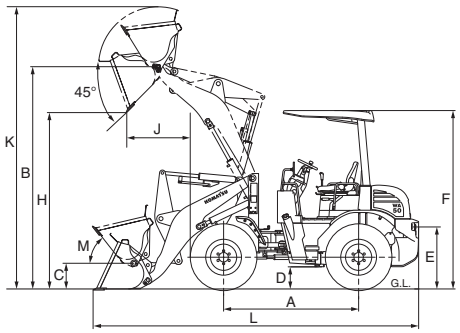
* See PERFORMANCE DATA
** China source models
*** Brazil source models
• EPA Tier 3 and EU Stage 3A model


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## WA50-6




Unit: mm (ft.in)

| | | |
|---|---|---|
| | Tires | 15.5/60-18-8PR(L-2) |
| | Tread | 1250 (4'1") |
| | Width over tires | 1650 (5'5") |
| A | Wheelbase | 1900 (6'3") |
| B | Hinge pin height, max. height | 3120 (10'3") |
| C | Hinge pin height, carry position | 360 (1'2") |
| D | Ground clearance | 310 (1'0") |
| E | Hitch height | 470 (1'7") |
| F | Overall height, ROPS (canopy/cab) | 2500 (8'2")/2540 (8'4") |
| M | Tilt back angle | 52° |

### Measured with 15.5/60-18-8PR (L2) tires

| Bucket type | | | Stockpile bucket With Bolt-on Cutting Edge |
|---|---|---|---|
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 0.6 (0.8) |
| | Struck | $m^3$ ($yd^3$) | 0.5 (0.7) |
| Bucket width | | mm (ft.in) | 1690 (5'7") |
| Bucket weight (with B.O.C.) | | kg (lb) | 215 (475) |
| Static tipping load | Straight (canopy/cab) | kg (lb) | 2450 (5,400)/2580 (5,690) |
| | Full turn (canopy/cab) | kg (lb) | 2000 (4,410)/2100 (4,630) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2475 (8'1") |
| Reach at 2130 mm (7') and 45° dump angle** | | mm (ft.in) | |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 900 (2'11") |
| Reach with arm horizontal and bucket level** | | mm (ft.in) | 1945 (6'5") |
| K. Operating height (fully raised) | | mm (ft.in) | 3955 (13'0") |
| L. Overall length, bucket on ground | | mm (ft.in) | 4580 (15'0") |
| Turning radius* | | mm (ft.in) | 3825 (12'7") |
| Digging depth | 0° | mm (ft.in) | 43 (1.7") |
| | 10° | mm (ft.in) | 175 (6.9") |
| Breakout force | | kN/kgf (lb) | 29.9/3050 (6,720) |
| Operating weight (canopy/cab) | | kg (lb) | 3675 (8,100)/3825 (8,430) |

* Bucket at carry, outside corner of bucket.
** At the end of B.O.C.



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## WA120-3

| | | Capacity Heaped $m^3$(cu.yd) | Struck $m^3$ (cu.yd) | Bucket width mm (ft.in) | Bucket weight kg (lb) | Breakout force kgf (lb) |
|---|---|---|---|---|---|---|
| I | General-purpose bucket with bolt-on cutting edges; (Loading and excavating of soil, sand and variety of other commonly handled materials.) | 1.4 (1.85) | 1.2 (1.55) | 2390 (7'10") | 600 (1320) | 6120 (13490) |
| II | General-purpose bucket with teeth | 1.3 (1.7) | 1.1 (0.45) | 2390 (7'10") | 550 (1210) | 6680 (14730) |
| III | Excavating bucket with bolt-on cutting edges | 1.2 (1.55) | 1.0 (1.3) | 2390 (7'10") | 570 (1260) | 6470 (14260) |
| IV | Excavating bucket with teeth (Loading and excavating of crushed rock and blasted rock.) | 1.2 (1.55) | 1.0 (1.3) | 2390 (7'10") | 515 (1135) | 7060 (15560) |
| V | Light material bucket with bolt-on cutting edges; (A Lighter-weight, large-capacity bucket.) | 1.7 (2.25) | 1.5 (1.95) | 2390 (7'10") | 665 (1465) | 5220 (11510) |

| | Operating weight kg/lb | | | | Static tipping load kg/lb | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Straight | | | | 35° turn | | | | 40° full turn | | | |
| Tires/Buckets | I | II | III | IV | I | II | III | IV | I | II | III | IV | I | II | III | IV |
| 16.9-24-10PR (L-2) | 7600 16760 | 7550 16640 | 7570 16690 | 7515 16570 | 6300 13890 | 6365 14030 | 6350 14000 | 6415 14140 | 5670 12500 | 5730 12630 | 5715 12600 | 5775 12730 | 5480 12080 | 5535 12200 | 5525 12180 | 5580 12300 |
| 16.9-24-10PR (L-3) | 7700 16980 | 7650 16870 | 7670 16910 | 7615 16790 | 6370 14040 | 6435 14190 | 6420 14150 | 6485 14300 | 5730 12630 | 5790 12760 | 5785 12740 | 5835 12860 | 5540 12210 | 5595 12330 | 5585 12310 | 5640 12430 |
| 14.00-24-12PR (L-2) | 7730 17040 | 7680 16930 | 7700 17000 | 7645 16850 | 6395 14100 | 6460 14240 | 6445 14210 | 6510 14350 | 5755 12690 | 5815 12820 | 5800 12790 | 5860 12920 | 5565 12270 | 5620 12390 | 5610 12370 | 5665 12490 |
| 15.5-25-8PR (L-2) | 7610 16780 | 7560 16670 | 7580 16710 | 7525 16590 | 6310 13910 | 6375 14050 | 6360 14020 | 6425 14160 | 5680 12520 | 5340 11770 | 5725 12620 | 5785 12750 | 5485 12090 | 5540 12210 | 5530 12190 | 5585 12310 |
| 15.5-25-8PR (L-3) | 7660 16890 | 7610 16780 | 7630 16820 | 7575 16700 | 6340 13980 | 6405 14120 | 6390 14090 | 6455 14230 | 5705 12580 | 5765 12710 | 5750 12680 | 5810 12810 | 5515 12160 | 5570 12780 | 5560 12260 | 5615 12380 |
| 15.5-25-12PR (L-2) | 7750 17090 | 7700 17000 | 7720 17020 | 7665 16900 | 6410 14130 | 6475 14270 | 6460 14240 | 6525 14380 | 5770 12720 | 5830 142850 | 5815 12820 | 5875 12950 | 5580 12300 | 5635 12420 | 5625 12400 | 5680 12520 |
| 17.5-25-12PR (L-3) | 7790 17170 | 7740 17060 | 7760 17110 | 7705 16990 | 6440 14200 | 6505 14340 | 6490 14310 | 6555 14450 | 5795 12780 | 5855 12910 | 5840 12870 | 5900 13010 | 5600 12350 | 5655 12470 | 5640 12430 | 5690 12540 |

- All dimensions, weights and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab, and operator.
- Machine stability and operating weight are affected by counterweight, tire size and other attachments. Apply the following weight changes to operating weight and static tipping load.

| **Weight Changes** | Change in operating weight kg (lb) | Change in tipping load kg (lb) | |
|---|---|---|---|
| | | Straight | Full turn |
| Remove ROPS cab | –500 (–1,100) | –470 (–1,040) | –410 (–900) |
| Install ROPS canopy 320 kg (710 lb) | –180 (–400) | –170 (–370) | –150 (–330) |
| Install steel cab 310 kg (680 lb) | –190 (–420) | –180 (–400) | –160 (–350) |
| Install additional counterweight | +280 (+620) | +530 (+1,170) | +460 (+1,010) |

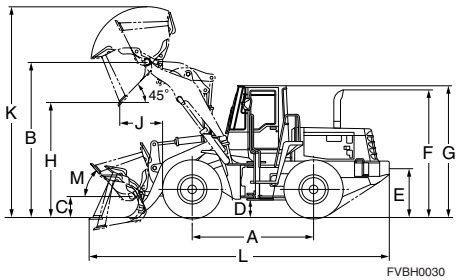


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## WA120-3




Unit: mm (ft.in)

| | | 16.9-24 tires | 14.00-24 and 17.5-25 tires | 15.5-25 tires |
|---|---|---|---|---|
| | Tread | 1780 (5'10") | 1780 (5'10") | 1780 (5'10") |
| | Width over tires | 2250 (7'5") | 2185 (7'2") 2225 (7'4") | 2180 (7'2") |
| A | Wheelbase | 2600 (8'6") | 2600 (8'6") | 2600 (8'6") |
| B | Hinge pin height, max. height | 3450 (11'4") | 3475 (11'5) | 3440 (11'3") |
| C | Hinge pin height, carry position | 360 (1'2") | 355 (1'2") | 365 (1'2") |
| D | Ground clearance | 400 (1'4") | 425 (1'5") | 390 (1'4") |
| E | Hitch height | 780 (2'7") | 805 (2'8") | 770 (2'6") |
| F | Overall height, top of the stack | 2955 (9'8") | 2980 (9'9") | 2945 (9'8") |
| G | Overall height, ROPS cab | 3075 (10'1") | 3100 (10'2") | 3065 (10'1") |
| M | Tilt buck angle | 46° | 46° | 46° |

### Measured with 16.9-24 tires

| Buckets | | I | II | III | IV |
|---|---|---|---|---|---|
| H. Dumping clearance, max. height and 45° dump angle* | | 2700 (8'10") | 2640 (8'8") | 2730 (8'11") | 2670 (8'9") |
| Reach at 2130 mm (7') cut edge clearance and 45° dump angle | | 1370 (4'6") | 1390 (4'7") | 1355 (4'5") | 1375 (4'6") |
| J. Reach at max. height and 45° dump angle* | | 975 (3'2") | 1025 (3'4") | 945 (3'1") | 995 (3'3") |
| Reach with arm horizontal and bucket level | | 2005 (6'7") | 2080 (6'10") | 1965 (6'5") | 2040 (6'8") |
| K. Operating height (fully raised) | | 4545 (14'11") | 4545 (14'11") | 4445 (14'7") | 4445 (14'7") |
| L. Overall length | | 5975 (19'7") | 6055 (19'10") | 5955 (19'6") | 6015 (19'9") |
| Loader clearance circle (bucket at carry, outside corner of bucket) | | 10360 (34') | 10400 (34'1") | 10340 (33'11") | 10380 (34'1") |
| Digging depth | 0° | 80 (3.1") | 85 (3.3") | 80 (3.1") | 85 (3.3") |
| | 10° | 235 (9.3") | 255 (10") | 230 (9.1") | 250 (9.8") |

* At the end of teeth or BOC

### Measured with 14.00-24 and 17.5-25 tires

| Buckets | | I | II | III | IV |
|---|---|---|---|---|---|
| H. Dumping clearance, max. height and 45° dump angle* | | 2725 (8'11") | 2665 (8'9") | 2755 (9') | 2695 (8'10") |
| Reach at 2130 mm (7') cut edge clearance and 45° dump angle | | 1365 (4'6") | 1385 (4'7") | 1350 (4'5") | 1370 (4'6") |
| J. Reach at max. height and 45° dump angle* | | 955 (3'2") | 1005 (3'4") | 925 (3') | 975 (3'3") |
| Reach with arm horizontal and bucket level | | 1985 (6'6") | 2060 (6'9") | 1945 (6'5") | 2020 (6'8") |
| K. Operating height (fully raised) | | 4570 (15') | 4570 (15') | 4470 (14'8") | 4470 (14'8") |
| L. Overall length | | 5950 (19'6") | 6030 (19'9") | 5930 (19'5") | 5990 (19'8") |
| Loader clearance circle (bucket at carry, outside corner of bucket) | | 10340 (33'11") | 10380 (34'1") | 10320 (33'10") | 10360 (34') |
| Digging depth | 0° | 55 (2.2") | 60 (2.4") | 55 (2.2") | 60 (2.4") |
| | 10° | 210 (8.3") | 230 (9.1") | 205 (8.1") | 225 (8.9") |

* At the end of teeth or BOC

### Measured with 15.5-25 tires

| Buckets | | I | II | III | IV |
|---|---|---|---|---|---|
| H. Dumping clearance, max. height and 45° dump angle* | | 2690 (8'10") | 2630 (8'8") | 2720 (8'11") | 2660 (8'8") |
| Reach at 2130 mm (7') cut edge clearance and 45° dump angle | | 1380 (4'6") | 1400 (4'7") | 1370 (4'6") | 1390 (4'7") |
| J. Reach at max. height and 45° dump angle* | | 985 (3'3") | 1035 (3'5") | 955 (3'2") | 1005 (3'4") |
| Reach with arm horizontal and bucket level | | 2015 (6'7") | 2090 (6'10") | 1975 (6'6") | 2050 (6'9") |
| K. Operating height (fully raised) | | 4535 (14'11") | 4535 (14'11") | 4435 (14'7") | 4435 (14'7") |
| L. Overall length | | 5985 (19'8") | 6065 (19'11") | 5965 (19'7") | 6025 (19'9") |
| Loader clearance circle (bucket at carry, outside corner of bucket) | | 10380 (34'1") | 10420 (34'2") | 10360 (34') | 10400 (34'1") |
| Digging depth | 0° | 90 (3.5") | 95 (3.5") | 90 (3.5") | 95 (3.7") |
| | 10° | 245 (9.6") | 265 (10.4") | 240 (9.4") | 260 (10.2") |

* At the end of teeth or BOC

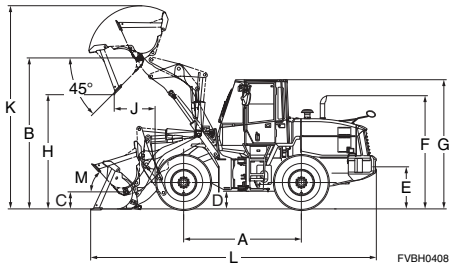


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## WA150-6




Unit: mm (ft.in)

| | | 16.9-24 tires | 15.5-25 tires | 17.5-25 tires |
|---|---|---|---|---|
| | Tread | 1780 (5'10") | 1780 (5'10") | 1780 (5'10") |
| | Width over tires | 2250 (7'5") | 2180 (7'2") | 2220 (7'3") |
| A | Wheelbase | 2600 (8'6") | 2600 (8'6") | 2600 (8'6") |
| B | Hinge pin height, max. height | 3485 (11'5") | 3475 (11'5") | 3510 (11'6") |
| C | Hinge pin height, carry position | 360 (1'2") | 360 (1'2") | 355 (1'2") |
| D | Ground clearance | 400 (1'4") | 390 (1'3") | 425 (1'5") |
| E | Hitch height | 800 (2'7") | 790 (2'1") | 825 (2'8") |
| F | Overall height, top of the stack | 2495 (8'2") | 2485 (8'2") | 2520 (8'3") |
| G | Overall height, ROPS cab | 3035 (9'11") | 3025 (9'11") | 3060 (10'0") |
| M | Tilt back angle | 46° | 46° | 46° |

### Measured with 16.9-24-10PR (L2) tires

| Bucket type | | | Stockpile Bucket | | Excavating Bucket | | Light Material Bucket |
|---|---|---|---|---|---|---|---|
| | | | Bolt-on Cutting Edge | Teeth | Bolt-on Cutting Edge | Teeth | Bolt-on Cutting Edge |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 1.5 (2.0) | 1.4 (1.8) | 1.3 (1.7) | 1.2 (1.6) | 1.7 (2.2) |
| | Struck | $m^3$ ($yd^3$) | 1.25 (1.6) | 1.2 (1.6) | 1.1 (1.4) | 1.05 (1.4) | 1.5 (2.0) |
| Bucket width | | mm (ft.in) | 2390 (7'10") | 2390 (7'10") | 2390 (7'10") | 2390 (7'10") | 2390 (7'10") |
| Bucket weight | | kg (lb) | 595 (1,310) | 540 (1,190) | 580 (1,280) | 525 (1,160) | 665 (1,470) |
| Static tipping load | Straight | kg (lb) | 6635 (14,630) | 6690 (14,750) | 6675 (14,720) | 6730 (14,840) | 6540 (14,420) |
| | Full turn (38°) | kg (lb) | 5775 (12,730) | 5825 (12,840) | 5810 (12,810) | 5860 (12,920) | 5695 (12,560) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2705 (8'10") | 2645 (8'8") | 2745 (9'0") | 2685 (8'10") | 2630 (8'8") |
| Reach at 2130 mm (7') and 45° dump angle** | | mm (ft.in) | 1385 (4'7") | 1405 (4'7") | 1365 (4'6") | 1385 (4'7") | 1420 (4'8") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 970 (3'10") | 1020 (3'4") | 930 (3'1") | 980 (3'3") | 1045 (3'5") |
| Reach with arm horizontal and bucket level** | | mm (ft.in) | 2055 (6'9") | 2130 (7'0") | 1995 (6'6") | 2070 (6'9") | 2160 (7'1") |
| K. Operating height (fully raised) | | mm (ft.in) | 4630 (15'2") | 4630 (15'2") | 4560 (15'0") | 4560 (15'0") | 4710 (15'5") |
| L. Overall length, bucket on ground | | mm (ft.in) | 6310 (20'8") | 6385 (20'11") | 6250 (20'6") | 6325 (20'6") | 6415 (21'1") |
| Turning radius* | | mm (ft.in) | 5380 (17'8") | 5400 (17'9") | 5360 (17'7") | 5385 (17'8") | 5405 (17'9") |
| Digging depth | 0° | mm (ft.in) | 90 (3.5") | 100 (3.9") | 90 (3.5") | 100 (3.9") | 90 (3.5") |
| | 10° | mm (ft.in) | 255 (10.0") | 275 (10.8") | 245 (9.6") | 265 (10.4") | 270 (10.6") |
| Breakout force | | kN kgf (lb) | 72.6 7400 (16,310) | 66.5 6780 (14,950) | 78.6 8010 (17,660) | 71.5 7290 (16,070) | 64.0 6530 (14,400) |
| Operating weight | | kg (lb) | 7700 (16,980) | 7645 (16,850) | 7685 (16,940) | 7630 (16,830) | 7770 (17,130) |

* Bucket at carry, outside corner of bucket.
** At the end of B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Ground Clearance | | Change in Vertical Dimensions | | Change in Reach | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in | mm | ft.in |
| 15.5-25-8PR (L2) | +10 | +22 | +10 | +22 | +5 | +11 | 2180 | 7'2" | 390 | 1'3" | –10 | –0.4" | +10 | +0.4" |
| 17.5-25-12PR (L2) | +150 | +331 | +110 | +243 | +95 | +209 | 2220 | 7'3" | 425 | 1'5" | +25 | +1.0" | –25 | –1.0" |
| Install ROPS canopy (instead of cab) | –150 | –331 | –160 | –353 | –150 | –331 | | | | | | | | |
| Additional counterweight | +200 | +441 | +380 | +838 | +336 | +728 | | | | | | | | |

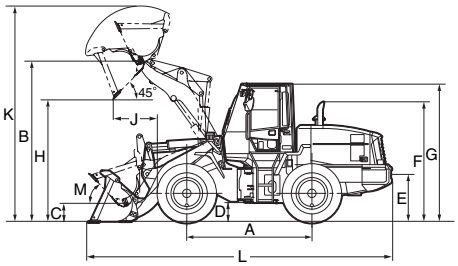


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## WA150-5




Unit: mm (ft.in)

| | | 16.9-24-10PR (L2) | 14.00-24-12PR (L2) | 15.5-25-8PR (L2) | 17.5-25-12PR (L2) |
|---|---|---|---|---|---|
| | Tread | 1780 (5'10") | 1780 (5'10") | 1780 (5'10") | 1780 (5'10") |
| | Width over tires | 2250 (7'5") | 2185 (7'2") | 2180 (7'2") | 2220 (7'3") |
| A | Wheelbase | 2600 (8'6") | 2600 (8'6") | 2600 (8'6") | 2600 (8'6") |
| B | Hinge pin height, max. height | 3485 (11'5") | 3510 (11'6") | 3475 (11'5") | 3510 (11'6") |
| C | Hinge pin height, carry position | 360 (1'2") | 355 (1'2") | 360 (1'2") | 355 (1'2") |
| D | Ground clearance | 400 (1'4") | 425 (1'5") | 390 (1'3") | 425 (1'5") |
| E | Hitch height | 800 (2'7") | 825 (2'8") | 790 (2'7") | 825 (2'8") |
| F | Overall height, top of the stack | 2420 (7'11") | 2445 (8'0") | 2410 (7'11") | 2445 (8'0") |
| G | Overall height, ROPS cab | 3035 (9'11") | 3060 (10'0") | 3025 (9'11") | 3060 (10'0") |
| M | Tilt back angle | 46° | 46° | 46° | 46° |

### Measured with 16.9-24-10PR (L2) tires

| Bucket type | | | Stockpile Bucket With Bolt-on Cutting Edge | Excavating Bucket With Bolt-on Cutting Edge | Light Material Bucket With Bolt-on Cutting Edge |
|---|---|---|---|---|---|
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 1.5 (2.0) | 1.3 (1.7) | 1.7 (2.2) |
| | Struck | $m^3$ ($yd^3$) | 1.25 (1.6) | 1.1 (1.4) | 1.5 (2.0) |
| Bucket width | | mm (ft.in) | 2390 (7'10") | 2390 (7'10") | 2390 (7'10") |
| Bucket weight | | kg (lb) | 595 (1,312) | 580 (1,279) | 665 (1,466) |
| Static tipping load | Straight | kg (lb) | 6370 (14,043) | 6410 (14,132) | 6280 (13,845) |
| | Full turn (40°) | kg (lb) | 5540 (12,213) | 5570 (12,280) | 5460 (12,037) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2705 (8'10") | 2745 (9'0") | 2630 (8'8") |
| Reach at 2130 mm (7') and 45° dump angle** | | mm (ft.in) | 1385 (4'7") | 1365 (4'6") | 1420 (4'8") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 970 (3'2") | 930 (3'1") | 1045 (3'5") |
| Reach with arm horizontal and bucket level** | | mm (ft.in) | 2055 (6'9") | 1995 (6'6") | 2160 (7'1") |
| K. Operating height (fully raised) | | mm (ft.in) | 4630 (15'2") | 4560 (15'0") | 4710 (15'5") |
| L. Overall length, bucket on ground | | mm (ft.in) | 6320 (20'9") | 6260 (20'6") | 6425 (21'1") |
| Turning radius* | | mm (ft.in) | 5185 (17'0") | 5180 (17'0") | 5225 (17'2") |
| Digging depth | 0° | mm (ft.in) | 90 (3.5") | 90 (3.5") | 90 (3.5") |
| | 10° | mm (ft.in) | 255 (10.0") | 245 (9.6") | 270 (10.6") |
| Breakout force | | kgf (lb) | 7400 (16,314) | 8010 (17,659) | 6530 (14,396) |
| Operating weight | | kg (lb) | 7425 (16,369) | 7410 (16,336) | 7495 (16,524) |

* Bucket at carry, outside corner of bucket.
** At the end of B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Ground Clearance | | Change in Vertical Dimensions | | Change in Reach | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in | mm | ft.in |
| 14.00-24-12PR (L2) | +130 | +287 | +95 | +209 | +85 | +187 | 2185 | 7'2" | 425 | 1'5" | +25 | +1.0" | –25 | –1.0" |
| 15.5-25-8PR (L2) | +10 | +22 | +10 | +22 | +5 | +11 | 2180 | 7'2" | 390 | 1'3" | –10 | –0.4" | +10 | +0.4" |
| 17.5-25-12PR (L2) | +150 | +331 | +110 | +243 | +95 | +209 | 2220 | 7'3" | 425 | 1'5" | +25 | +1.0" | –25 | –1.0" |
| Install ROPS canopy (instead of cab) | –110 | –243 | –110 | –243 | –95 | –209 | | | | | | | | |
| Additional counterweight | +200 | +441 | +380 | +838 | +330 | +728 | | | | | | | | |
| Air conditioner | +70 | +154 | +80 | +176 | +70 | +154 | | | | | | | | |



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## WA180-3

| | | Capacity Heaped $m^3$(cu.yd) | Struck $m^3$ (cu.yd) | Bucket width mm (ft.in) | Bucket weight kg (lb) | Breakout force kgf (lb) |
|---|---|---|---|---|---|---|
| I | General-purpose bucket with bolt-on cutting edges; (Loading and excavating of soil, sand and variety of other commonly handled materials.) | 1.7 (2.25) | 1.55 (2.02) | 2440 (8') | 710 (1570) | 7940 (17500) |
| II | General-purpose bucket with teeth | 1.6 (2.1) | 1.34 (1.75) | 2440 (8') | 665 (1470) | 8570 (18890) |
| III | Excavating bucket with bolt-on cutting edges | 1.5 (2.0) | 1.3 (1.7) | 2440 (8') | 725 (1600) | 8300 (18300) |
| IV | Excavating bucket with teeth (Loading and excavating of crushed rock and blasted rock.) | 1.5 (2.0) | 1.27 (1.66) | 2440 (8') | 670 (1480) | 8980 (19800) |
| V | Light material bucket with bolt-on cutting edges; (A Lighter-weight, large-capacity bucket.) | 2.2 (2.9) | 1.9 (2.5) | 2440 (8') | 800 (1760) | 6590 (14530) |

| | Operating weight kg/lb | | | | Static tipping load kg/lb | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Straight | | | | 35° turn | | | | 40° full turn | | | |
| Tires/Buckets | I | II | III | IV | I | II | III | IV | I | II | III | IV | I | II | III | IV |
| 18.4-24-10PR (L-2) | 8700 19180 | 8655 19080 | 8715 19210 | 8660 19090 | 7560 16670 | 7620 16800 | 7645 16860 | 7720 170200 | 6805 15000 | 6860 15130 | 6880 151700 | 6950 15320 | 6580 14510 | 6630 14620 | 6650 14660 | 6720 14820 |
| 14.00-24-12PR (L-2) | 8720 19220 | 8675 19120 | 8735 19260 | 8810 19420 | 7570 16690 | 7630 16820 | 7655 16880 | 7730 17040 | 6815 15030 | 6870 15150 | 6890 15190 | 6960 15350 | 6590 14530 | 6640 14640 | 6660 14690 | 6725 14830 |
| 14.00-24-12PR (L-3) | 8800 19400 | 8755 19300 | 8815 19430 | 8890 19600 | 7630 16820 | 7690 16960 | 7715 17010 | 7790 17180 | 6870 15150 | 6920 15260 | 6945 15310 | 7010 15460 | 6640 14640 | 6690 14750 | 6715 14810 | 6780 14950 |
| 15.5-25-12PR (L-2) | 8630 19030 | 8585 18930 | 8645 19060 | 8720 19220 | 7510 16560 | 7570 16690 | 7595 16750 | 7670 16910 | 6760 14910 | 6815 15030 | 6835 15070 | 6905 15230 | 6535 14410 | 6585 14520 | 6610 14580 | 6675 14720 |
| 15.5-25-12PR (L-3) | 8680 19140 | 8635 19040 | 8695 19170 | 8770 19330 | 7550 17090 | 7610 16780 | 7635 16840 | 7710 17000 | 6795 14980 | 6850 15100 | 6875 15160 | 6940 15300 | 6570 14490 | 6620 14600 | 6645 14650 | 6710 14800 |
| 17.5-25-12PR (L-2) | 8750 19290 | 8705 19190 | 8765 19320 | 8840 19490 | 7600 16760 | 7660 16890 | 7685 16950 | 7760 17110 | 6840 15080 | 6895 15200 | 6920 15260 | 6985 15400 | 6615 14590 | 6665 14700 | 6685 14740 | 6750 14880 |
| 17.5-25-12PR (L-3) | 8790 19380 | 8745 19280 | 8805 19410 | 8880 19580 | 7630 16820 | 7690 16960 | 7715 17010 | 7790 17180 | 6870 15150 | 6920 15260 | 6945 15310 | 7010 15460 | 6640 14640 | 6690 14750 | 6715 14810 | 6780 14950 |

- All dimensions, weights and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab, and operator.
- Machine stability and operating weight are affected by counterweight, tire size and other attachments. Apply the following weight changes to operating weight and static tipping load.

| **Weight Changes** | Change in operating weight kg (lb) | Change in tipping load kg (lb) | |
|---|---|---|---|
| | | Straight | Full turn |
| Remove ROPS cab | –500 (–1100) | –460 (–1010) | –400 (–880) |
| Install ROPS canopy 320 kg (710 lb) | –180 (–400) | –170 (–370) | –140 (–310) |
| Install steel cab 310 kg (680 lb) | –190 (–420) | –175 (–390) | –150 (–330) |
| Install additional counterweight | +280 (+620) | +520 (+1150) | +450 (+990) |

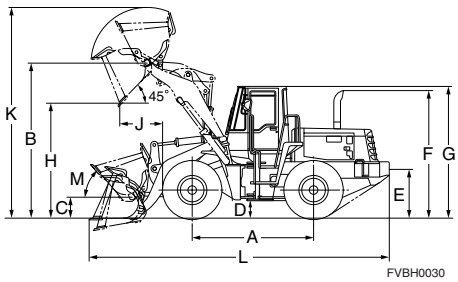


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## WA180-3




Unit: mm (ft.in)

| | | 18.4-24 tires | 14.00-24 and 17.5-25 tires | 15.5-25 tires |
|---|---|---|---|---|
| | Tread | 1820 (6') | 1820 (6') | 1820 (6') |
| | Width over tires | 2320 (7'7") | 2225 (7'4") 2260 (7'5") | 2220 (7'3") |
| A | Wheelbase | 2700 (8'10") | 2700 (8'10") | 2700 (8'10") |
| B | Hinge pin height, max. height | 3545 (11'7") | 3535 (11'7") | 3505 (11'6") |
| C | Hinge pin height, carry position | 365 (1'2") | 365 (1'2") | 375 (1'3") |
| D | Ground clearance | 430 (1'5") | 420 (1'5") | 390 (1'4") |
| E | Hitch height | 820 (2'8") | 810 (2'8") | 780 (2'7") |
| F | Overall height, top of the stack | 3000 (9'10") | 2990 (9'10") | 2960 (9'9") |
| G | Overall height, ROPS cab | 3100 (10'2") | 3090 (10'2") | 3060 (10') |
| M | Tilt back angle | 46° | 46° | 46° |

### Measured with 18.4-25 tires

| Buckets | | I | II | III | IV |
|---|---|---|---|---|---|
| H. Dumping clearance, max. height and 45° dump angle* | | 2720 (8'11") | 2630 (8'8") | 2745 (9') | 2660 (8'9") |
| Reach at 2130 mm (7') cut edge clearance and 45° dump angle | | 1395 (4'7") | 1420 (4'8") | 1380 (4'6") | 1410 (4'8") |
| J. Reach at max. height and 45° dump angle* | | 970 (3'2") | 1040 (3'5") | 940 (3'1") | 1015 (3'4") |
| Reach with arm horizontal and bucket level | | 2085 (6'10") | 2195 (7'2") | 2045 (6'9") | 2160 (7'1") |
| K. Operating height (fully raised) | | 4700 (15'5") | 4700 (15'5") | 4645 (15'3") | 4645 (15'3") |
| L. Overall length | | 6410 (21') | 6520 (21'5") | 6375 (20'11") | 6485 (21'3") |
| Loader clearance circle (bucket at carry, outside corner of bucket) | | 10770 (35'4") | 10840 (35'7") | 10750 (35'3") | 10820 (35'6") |
| Digging depth | 0° | 115 (4.5") | 125 (4.9") | 115 (4.5") | 125 (4.9") |
| | 10° | 285 (11.2") | 310 (12.2") | 275 (10.8") | 305 (12") |

* At the end of teeth or BOC

### Measured with 14.00-24 and 17.5-25 tires

| Buckets | | I | II | III | IV |
|---|---|---|---|---|---|
| H. Dumping clearance, max. height and 45° dump angle* | | 2710 (8'11") | 2620 (8'7") | 2735 (9') | 2650 (8'8") |
| Reach at 2130 mm (7') cut edge clearance and 45° dump angle | | 1405 (4'7") | 1430 (4'8") | 1390 (4'7") | 1415 (4'8") |
| J. Reach at max. height and 45° dump angle* | | 980 (3'3") | 1050 (3'5") | 950 (3'1") | 1025 (3'4") |
| Reach with arm horizontal and bucket level | | 2095 (6'10") | 2205 (7'3") | 2055 (6'9") | 2170 (7'1") |
| K. Operating height (fully raised) | | 4690 (15'5") | 4690 (15'5") | 4635 (15'2") | 4635 (15'2") |
| L. Overall length | | 6420 (21'1") | 6530 (21'5") | 6385 (20'11") | 6495 (21'4") |
| Loader clearance circle (bucket at carry, outside corner of bucket) | | 10790 (35'5") | 10860 (35'8") | 10770 (35'4") | 10840 (35'7") |
| Digging depth | 0° | 125 (4.9") | 135 (5.3") | 125 (4.9") | 135 (5.3") |
| | 10° | 295 (11.6") | 320 (12.6") | 285 (11.2") | 315 (12.4") |

* At the end of teeth or BOC

### Measured with 15.5-25 tires

| Buckets | | I | II | III | IV |
|---|---|---|---|---|---|
| H. Dumping clearance, max. height and 45° dump angle* | | 2680 (8'10") | 2590 (8'6") | 2705 (8'10") | 2620 (8'7") |
| Reach at 2130 mm (7') cut edge clearance and 45° dump angle | | 1425 (4'8") | 1445 (4'9") | 1410 (4'8") | 1435 (4'8") |
| J. Reach at max. height and 45° dump angle* | | 1010 (3'4") | 1080 (3'7") | 980 (3'3") | 1055 (3'6") |
| Reach with arm horizontal and bucket level | | 2125 (7') | 2235 (7'4") | 2085 (6'10") | 2200 (7'3") |
| K. Operating height (fully raised) | | 4660 (15'3") | 4660 (15'3") | 4605 (15'1") | 4605 (15'1") |
| L. Overall length | | 6445 (21'2") | 6555 (21'6") | 6410 (21') | 6520 (21'5") |
| Loader clearance circle (bucket at carry, outside corner of bucket) | | 10830 (35'6") | 10900 (35'9") | 10810 (35'6") | 10880 (35'8") |
| Digging depth | 0° | 155 (6.1") | 165 (6.5") | 155 (6.1") | 165 (6.5") |
| | 10° | 325 (12.8") | 350 (13.8") | 315 (12.4") | 345 (13.6") |

* At the end of teeth or BOC

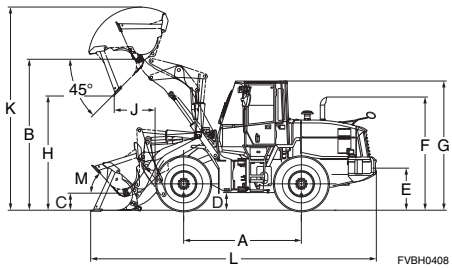


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## WA200-6




Unit: mm (ft.in)

| | | 17.5-25 tires | 20.5-25 tires |
|---|---|---|---|
| | Tread | 1930 (6'4") | 1930 (6'4") |
| | Width over tires | 2375 (7'10") | 2470 (8'1") |
| A | Wheelbase | 2840 (9'4") | 2840 (9'4") |
| B | Hinge pin height, max. height | 3635 (11'11") | 3705 (12'2") |
| C | Hinge pin height, carry position | 410 (1'4") | 380 (1'3") |
| D | Ground clearance | 425 (1'5") | 495 (1'8") |
| E | Hitch height | 870 (2'10") | 940 (3'1") |
| F | Overall height, top of the stack | 2725 (8'11") | 2795 (9'2") |
| G | Overall height, ROPS cab | 3110 (10'2") | 3180 (10'5") |
| M | Tilt back angle | 48° | |

### Measured with 17.5-25-12PR (L2) tires

| Bucket type | | | Stockpile Bucket | | Excavating Bucket | | Light Material Bucket |
|---|---|---|---|---|---|---|---|
| | | | Bolt-on Cutting Edge | Teeth | Bolt-on Cutting Edge | Teeth | Bolt-on Cutting Edge |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 2.0 (2.6) | 2.0 (2.6) | 1.7 (2.2) | 1.7 (2.2) | 2.4 (3.1) |
| | Struck | $m^3$ ($yd^3$) | 1.7 (2.2) | 1.7 (2.2) | 1.4 (1.8) | 1.4 (1.8) | 2.0 (2.6) |
| Bucket width | | mm (ft.in) | 2550 (8'4") | 2550 (8'4") | 2550 (8'4") | 2550 (8'4") | 2550 (8'4") |
| Bucket weight | | kg (lb) | 785 (1,731) | 740 (1,631) | 740 (1,631) | 700 (1,543) | 875 (1,929) |
| Static tipping load | Straight | kg (lb) | 8655 (19,081) | 8705 (19,191) | 8715 (19,213) | 8750 (19,290) | 8505 (18,750) |
| | Full turn (38°) | kg (lb) | 7455 (16,413) | 7485 (16,501) | 7505 (16,546) | 7525 (16,590) | 7295 (16,083) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2760 (9'1") | 2655 (8'9") | 2815 (9'3") | 2725 (8'11") | 2655 (8'9") |
| Reach at 2130 mm (7') and 45° dump angle** | | mm (ft.in) | 1480 (4'10") | 1500 (4'11") | 1455 (4'9") | 1500 (4'11") | 1530 (5'0") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1000 (3'3") | 1085 (3'7") | 945 (3'1") | 1040 (3'5") | 1105 (3'8") |
| Reach with arm horizontal and bucket level** | | mm (ft.in) | 2215 (7'3") | 2345 (7'8") | 2135 (7'0") | 2265 (7'5") | 2365 (7'9") |
| K. Operating height (fully raised) | | mm (ft.in) | 4885 (16'0") | 4885 (16'0") | 4765 (15'8") | 4765 (15'8") | 4995 (16'5") |
| L. Overall length, bucket on ground | | mm (ft.in) | 6895 (22'7") | 7030 (23'1") | 6815 (22'4") | 6945 (22'9") | 7050 (23'2") |
| Turning radius* | | mm (ft.in) | 5850 (19'2") | 5890 (19'4") | 5830 (19'2") | 5865 (19'3") | 5890 (19'4") |
| Digging depth | 0° | mm (ft.in) | 135 (5.3") | 155 (6.1") | 135 (5.3") | 155 (6.1") | 135 (5.3") |
| | 10° | mm (ft.in) | 320 (1'1") | 360 (1'1") | 305 (1'0") | 345 (1'2") | 345 (1'2") |
| Breakout force | | kN kgf (lb) | 93.2 9500 (20,944) | 83.0 8465 (18,662) | 102.5 10450 (23,038) | 90.7 10450 (23,038) | 81.4 8300 (18,298) |
| Operating weight | | kg (lb) | 9630 (21,231) | 9590 (21,142) | 9585 (21,131) | 9585 (21,131) | 9715 (21,418) |

* Bucket at carry, outside corner of bucket.
** At the end of B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Ground Clearance | | Change in Vertical Dimensions | | Change in Reach | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in | mm | ft.in |
| 17.5-25-12PR (L3) | +105 | +231 | +80 | +176 | +70 | +154 | 2375 | 7'10" | 425 | 1'5" | 0 | 0" | 0 | 0" |
| 20.5-25-12PR (L2) | +400 | +882 | +305 | +672 | +270 | +595 | 2470 | 8'1" | 495 | 1'8" | +70 | +2.8" | –70 | –2.8" |
| 20.5-25-12PR (L3) | +585 | +1,290 | +445 | +981 | +390 | +860 | 2470 | 8'1" | 495 | 1'8" | +70 | +2.8" | –70 | –2.8" |
| Install ROPS canopy (instead of cab) | –150 | –331 | –150 | –331 | –130 | –287 | | | | | | | | |
| Additional counterweight | +300 | +661 | +590 | +1,301 | +510 | +1,124 | | | | | | | | |

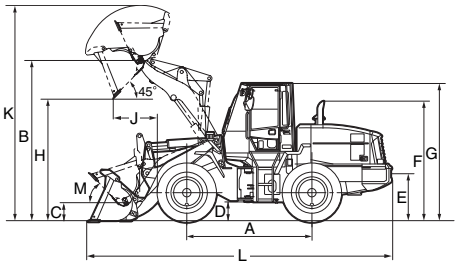


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## WA200-5




Unit: mm (ft.in)

| | | 17.5-25 tires | 20.5-25 tires |
|---|---|---|---|
| | Tread | 1930 (6'4") | 1930 (6'4") |
| | Width over tires | 2375 (7'10") | 2470 (8'1") |
| A | Wheelbase | 2840 (9'4") | 2840 (9'4") |
| B | Hinge pin height, max. height | 3635 (11'11") | 3705 (12'2") |
| C | Hinge pin height, carry position | 410 (1'4") | 380 (1'3") |
| D | Ground clearance | 425 (1'5") | 495 (1'8") |
| E | Hitch height | 870 (2'10") | 940 (3'1") |
| F | Overall height, top of the stack | 2715 (8'11") | 2785 (9'2") |
| G | Overall height, ROPS cab | 3110 (10'2") | 3180 (10'5") |
| M | Tilt back angle | 48° | |

### Measured with 17.5-25-12PR (L2) tires

| Bucket type | | | Stockpile Bucket With Bolt-on Cutting Edge | Excavating Bucket With Bolt-on Cutting Edge | Light Material Bucket With Bolt-on Cutting Edge |
|---|---|---|---|---|---|
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 2.0 (2.6) | 1.7 (2.2) | 2.4 (3.1) |
| | Struck | $m^3$ ($yd^3$) | 1.7 (2.2) | 1.4 (1.8) | 2.0 (2.6) |
| Bucket width | | mm (ft.in) | 2550 (8'4") | 2550 (8'4") | 2550 (8'4") |
| Bucket weight | | kg (lb) | 785 (1,731) | 740 (1,631) | 875 (1,929) |
| Static tipping load | Straight | kg (lb) | 8400 (18,519) | 8460 (18,652) | 8250 (18,188) |
| | Full turn (40°) | kg (lb) | 7300 (16,094) | 7360 (16,226) | 7175 (15,818) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2760 (9'1") | 2815 (9'3") | 2655 (8'9") |
| Reach at 2130 mm (7') and 45° dump angle** | | mm (ft.in) | 1480 (4'10") | 1455 (4'9") | 1530 (5'0") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1000 (3'3") | 945 (3'1") | 1105 (3'8") |
| Reach with arm horizontal and bucket level** | | mm (ft.in) | 2215 (7'3") | 2135 (7'0") | 2365 (7'9") |
| K. Operating height (fully raised) | | mm (ft.in) | 4885 (16'0") | 4765 (15'8") | 4995 (16'5") |
| L. Overall length, bucket on ground | | mm (ft.in) | 6895 (22'7") | 6820 (22'5") | 7050 (23'2") |
| Turning radius* | | mm (ft.in) | 5650 (18'6") | 5620 (18'5") | 5715 (18'9") |
| Digging depth | 0° | mm (ft.in) | 135 (5.3") | 135 (5.3") | 135 (5.3") |
| | 10° | mm (ft.in) | 320 (1'1") | 305 (1'0") | 345 (1'2") |
| Breakout force | | kgf (lb) | 9500 (20,944) | 10450 (23,038) | 8300 (18,298) |
| Operating weight | | kg (lb) | 9470 (20,878) | 9425 (20,779) | 9555 (21,065) |

* Bucket at carry, outside corner of bucket.
** At the end of B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Ground Clearance | | Change in Vertical Dimensions | | Change in Reach | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in | mm | ft.in |
| 17.5-25-12PR (L3) | +105 | +231 | +80 | +176 | +70 | +154 | 2375 | 7'10" | 425 | 1'5" | 0 | 0" | 0 | 0" |
| 20.5-25-12PR (L2) | +450 | +992 | +240 | +529 | +220 | +485 | 2470 | 8'1" | 495 | 1'8" | +70 | +2.8" | –75 | –3.0" |
| 20.5-25-12PR (L3) | +665 | +1,466 | +355 | +783 | +320 | +705 | 2470 | 8'1" | 495 | 1'8" | +70 | +2.8" | –75 | –3.0" |
| Install ROPS canopy (instead of cab) | –250 | –551 | –250 | –551 | –220 | –485 | | | | | | | | |
| Additional counterweight | +300 | +661 | +590 | +1,301 | +510 | +1,124 | | | | | | | | |
| Air conditioner | +70 | +154 | +60 | +132 | +50 | +110 | | | | | | | | |

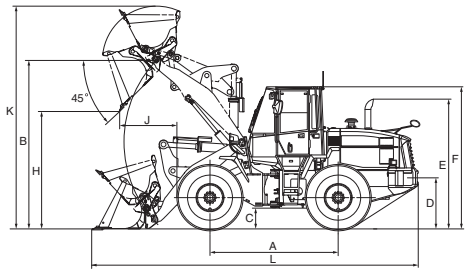


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## WA200PZ-6




Unit: mm (ft.in)

| | | 17.5-25 tires | 20.5-25 tires |
|---|---|---|---|
| | Tread | 1930 (6'4") | 1930 (6'4") |
| | Width over tires | 2375 (7'10") | 2470 (8'1") |
| A | Wheelbase | 2840 (9'4") | 2840 (9'4") |
| B | Hinge pin height, max. height | 3815 (12'6") | 3885 (12'9") |
| C | Ground clearance | 425 (1'5") | 495 (1'8") |
| D | Hitch height | 870 (2'10") | 940 (3'1") |
| E | Overall height, top of the stack | 2725 (8'11") | 2795 (9'2") |
| F | Overall height, ROPS cab | 3110 (10'2") | 3180 (10'5") |

### Bucket

### Measured with 20.5-25-12PR (L2) tires

| Bucket type | | | Stockpile Bucket With Bolt-on Cutting Edge |
|---|---|---|---|
| Bucket capacity | Heaped | m³ (yd³) | 2.0 (2.6) |
| | Struck | m³ (yd³) | 1.7 (2.2) |
| Bucket width | | mm (ft.in) | 2540 (8'4") |
| Bucket weight | | kg (lb) | 910 (2,005) |
| Static tipping load | Straight | kg (lb) | 7955 (17,540) |
| | Full turn (40°) | kg (lb) | 7000 (15,430) |
| H. Dumping clearance, max. height and 45° dump angle* | | mm (ft.in) | 2810 (9'3") |
| Reach at 2130 mm (7') and 45° dump angle* | | mm (ft.in) | 1645 (5'5") |
| J. Reach at max. height and 45° dump angle* | | mm (ft.in) | 1090 (3'7") |
| Reach with boom/bucket level* | | mm (ft.in) | 3275 (10'9") |
| K. Operating height (fully raised) | | mm (ft.in) | 5305 (17'5") |
| L. Overall length, bucket on ground | | mm (ft.in) | 7310 (24'0") |
| Digging depth | 0° | mm (ft.in) | 120 (4.7") |
| | 10° | mm (ft.in) | 345 (1'2") |
| Breakout force | | kN/kgf (lb) | 88.4/9010 (19,865) |
| Operating weight | | kg (lb) | 11450 (25,240) |

* At the end of B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Ground Clearance | | Change in Vertical Dimensions | | Change in Reach | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in | mm | ft.in |
| 17.5-25-12PR (L2) | –325 | –716 | –215 | –474 | –185 | –408 | 2375 | 7'10" | 425 | 1'5" | –70 | –2.8" | +75 | +3.0" |
| 17.5-25-12PR (L3) | –290 | –639 | –190 | –419 | –167 | –368 | 2375 | 7'10" | 425 | 1'5" | –70 | –2.8" | +75 | +3.0" |
| 20.5-25-12PR (L3) | +165 | +364 | +105 | +231 | +95 | +209 | 2470 | 8'1" | 495 | 1'8" | 0 | 0" | 0 | 0" |
| Install ROPS canopy (instead of cab) | –167 | –368 | –152 | –335 | –134 | –295 | | | | | | | | |

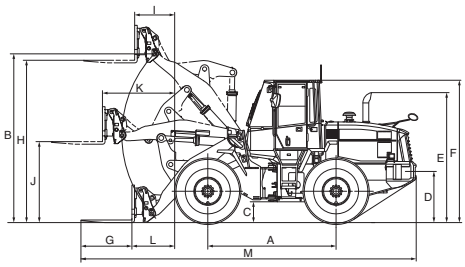


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## WA200PZ-6




Unit: mm (ft.in)

| | | 17.5-25 tires | 20.5-25 tires |
|---|---|---|---|
| | Tread | 1930 (6'4") | 1930 (6'4") |
| | Width over tires | 2375 (7'10") | 2470 (8'1") |
| A | Wheelbase | 2840 (9'4") | 2840 (9'4") |
| B | Hinge pin height, max. height | 3815 (12'6") | 3885 (12'9") |
| C | Ground clearance | 425 (1'5") | 495 (1'8") |
| D | Hitch height | 870 (2'10") | 940 (3'1") |
| E | Overall height, top of the stack | 2725 (8'11") | 2795 (9'2") |
| F | Overall height, ROPS cab | 3110 (10'2") | 3180 (10'5") |

### Fork

### Measured with 20.5-25-12PR (L2) tires

| | | | |
|---|---|---|---|
| Static tipping load – boom level Fork level, 610 mm (24") load center | Straight | kg (lb) | 6050 (13,340) |
| | Full turn (40°) | kg (lb) | 5300 (11,680) |
| Operating weight | | kg (lb) | 11460 (25,260) |
| G. Fork tine length | | mm (ft.in) | 1220 (4'0") |
| H. Ground to top of tine at maximum lift | | mm (ft.in) | 3765 (12'4") |
| I. Reach at maximum lift | | mm (ft.in) | 775 (2'7") |
| J. Ground to top of Tine – boom and tine level | | mm (ft.in) | 1780 (5'10") |
| K. Reach – boom and tine level | | mm (ft.in) | 1675 (5'6") |
| L. Reach – tine level on ground | | mm (ft.in) | 1040 (3'5") |
| M. Overall length – tine level on ground | | mm (ft.in) | 7645 (25'1") |
| Operating load | | kg (lb) | 2650 (5,840) |

Operating load per SAE J1197 (Feb. 1991), 50% of static tipping load.

Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator. Machine stability and operating weight affected by tire size and attachments.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Ground Clearance | | Change in Vertical Dimensions | | Change in Reach | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in | mm | ft.in |
| 17.5-25-12PR (L2) | –325 | –716 | –215 | –474 | –185 | –408 | 2375 | 7'10" | 425 | 1'5" | –70 | –2'8" | +75 | +3.0" |
| 17.5-25-12PR (L3) | –290 | –639 | –190 | –419 | –167 | –368 | 2375 | 7'10" | 425 | 1'5" | –70 | –2'8" | +75 | +3.0" |
| 20.5-25-12PR (L3) | +165 | +364 | +105 | +231 | +95 | +209 | 2470 | 8'1" | 495 | 1'8" | 0 | 0" | 0 | 0" |
| Install ROPS canopy (instead of cab) | –167 | –368 | –152 | –335 | –134 | –295 | | | | | | | | |

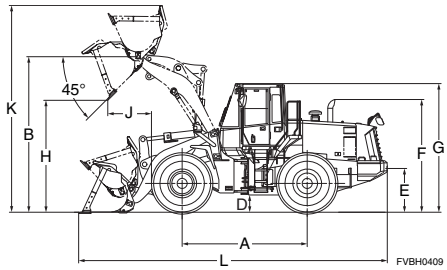


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## WA250-6




Unit: mm (ft.in)

| | | 17.5-25 tires | 20.5-25 tires |
|---|---|---|---|
| | Tread | 1930 (6'4") | 1930 (6'4") |
| | Width over tires | 2375 (7'10") | 2470 (8'1") |
| A | Wheelbase | 2900 (9'6") | 2900 (9'6") |
| B | Hinge pin height, max. height | 3725 (12'3") | 3795 (12'5") |
| C | Hinge pin height, carry position | 375 (1'3") | 450 (1'6") |
| D | Ground clearance | 395 (1'4") | 465 (1'6") |
| E | Hitch height | 880 (2'11") | 950 (3'1") |
| F | Overall height, top of the stack | 2855 (9'4") | 2925 (9'7") |
| G | Overall height, ROPS cab | 3130 (10'3") | 3200 (10'6") |
| M | Tilt back angle | 50° | |

### Measured with 17.5-25-16PR (L2) tires

| Bucket type | | | Stockpile Bucket | | Excavating Bucket | | Light Material Bucket |
|---|---|---|---|---|---|---|---|
| | | | Bolt-on Cutting Edge | Teeth | Bolt-on Cutting Edge | Teeth | Bolt-on Cutting Edge |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 2.3 (3.0) | 2.1 (2.7) | 1.9 (2.5) | 1.8 (2.4) | 2.7 (3.5) |
| | Struck | $m^3$ ($yd^3$) | 2.0 (2.6) | 1.8 (2.4) | 1.6 (2.1) | 1.5 (2.0) | 2.3 (3.0) |
| Bucket width | | mm (ft.in) | 2685 (8'10") | 2705 (8'10") | 2685 (8'10") | 2705 (8'10") | 2685 (8'10") |
| Bucket weight | | kg (lb) | 960 (2,116) | 865 (1,907) | 905 (1,995) | 810 (1,786) | 1050 (2,315) |
| Static tipping load | Straight | kg (lb) | 11110 (24,495) | 11205 (24,705) | 11230 (24,760) | 11325 (24,970) | 10960 (24,160) |
| | Full turn (38°) | kg (lb) | 9780 (21,560) | 9860 (21,740) | 9885 (21,790) | 9965 (21,970) | 9645 (21,265) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2780 (9'1") | 2665 (8'9") | 2855 (9'4") | 2740 (9'0") | 2685 (8'10") |
| Reach at 2130 mm (7') and 45° dump angle** | | mm (ft.in) | 1535 (5'0") | 1560 (5'1") | 1495 (4'11") | 1530 (5'0") | 1580 (5'2") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1055 (3'6") | 1155 (3'9") | 980 (3'3") | 1080 (3'3") | 1150 (3'9") |
| Reach with arm horizontal and bucket level** | | mm (ft.in) | 2305 (7'7") | 2450 (8'0") | 2200 (7'3") | 2345 (7'3") | 2430 (8'0") |
| K. Operating height (fully raised) | | mm (ft.in) | 4995 (16'5") | 4995 (16'5") | 4875 (16'0") | 4875 (16'0") | 5130 (16'10") |
| L. Overall length, bucket on ground | | mm (ft.in) | 7055 (23'2") | 7200 (23'7") | 6950 (22'10") | 7095 (23'3") | 7185 (23'7") |
| Turning radius* | | mm (ft.in) | 6030 (19'9") | 6070 (19'11") | 6015 (19'9") | 6040 (19'10") | 6110 (20'1") |
| Digging depth | 0° | mm (ft.in) | 145 (5.7") | 160 (6.3") | 145 (5.7") | 160 (6.3") | 145 (5.7") |
| | 10° | mm (ft.in) | 335 (1'1") | 375 (1'3") | 315 (1'0") | 355 (1'2") | 355 (1'2") |
| Breakout force | | kN<br>kgf<br>(lb) | 121<br>12340<br>(27,205) | 106<br>10830<br>(23,875) | 136<br>13850<br>(30,534) | 117<br>12010<br>(26,475) | 108<br>11000<br>(24,251) |
| Operating weight | | kg (lb) | 10965 (24,170) | 10870 (23,965) | 10910 (24,050) | 10815 (23,845) | 11055 (24,370) |

* Bucket at carry, outside corner of bucket.
** At the end of B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Ground Clearance | | Change in Vertical Dimensions | | Change in Reach | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in | mm | ft.in |
| 17.5-25-16PR (L3) | +55 | +121 | +45 | +99 | +35 | +77 | 2375 | 7'10" | 395 | 1'4" | 0 | 0" | 0 | 0" |
| 20.5-25-12PR (L2) | +280 | +617 | +215 | +474 | +190 | +419 | 2470 | 8'1" | 465 | 1'6" | +70 | +2.8" | –70 | –2.8" |
| 20.5-25-12PR (L3) | +430 | +948 | +325 | +717 | +280 | +617 | 2470 | 8'1" | 465 | 1'6" | +70 | +2.8" | –70 | –2.8" |
| Install ROPS canopy (instead of cab) | –150 | –331 | –150 | –331 | –130 | –287 | | | | | | | | |
| Additional counterweight | +300 | +661 | +580 | +1,279 | +510 | +1,124 | | | | | | | | |

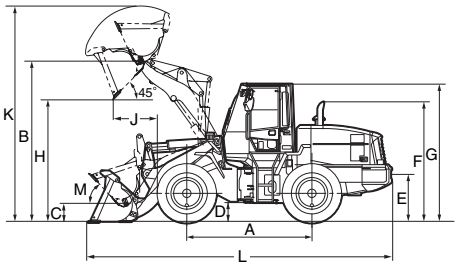


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## WA250-5




Unit: mm (ft.in)

| | | 17.5-25 tires | 20.5-25 tires |
|---|---|---|---|
| | Tread | 1930 (6'4") | 1930 (6'4") |
| | Width over tires | 2375 (7'10") | 2470 (8'1") |
| A | Wheelbase | 2900 (9'6") | 2900 (9'6") |
| B | Hinge pin height, max. height | 3725 (12'3") | 3795 (12'5") |
| C | Hinge pin height, carry position | 375 (1'3") | 450 (1'6") |
| D | Ground clearance | 395 (1'4") | 465 (1'6") |
| E | Hitch height | 880 (2'11") | 950 (3'1") |
| F | Overall height, top of the stack | 2665 (8'9") | 2735 (9'0") |
| G | Overall height, ROPS cab | 3130 (10'3") | 3200 (10'6") |
| M | Tilt back angle | 50° | |

### Measured with 17.5-25-16PR (L2) tires

| Bucket type | | | Stockpile Bucket With Bolt-on Cutting Edge | Excavating Bucket With Bolt-on Cutting Edge | Light Material Bucket With Bolt-on Cutting Edge |
|---|---|---|---|---|---|
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 2.3 (3.0) | 1.9 (2.5) | 2.7 (3.5) |
| | Struck | $m^3$ ($yd^3$) | 2.0 (2.6) | 1.6 (2.1) | 2.3 (3.0) |
| Bucket width | | mm (ft.in) | 2685 (8'10") | 2685 (8'10") | 2685 (8'10") |
| Bucket weight | | kg (lb) | 960 (2,116) | 905 (1,995) | 1050 (2,315) |
| Static tipping load | Straight | kg (lb) | 8985 (19,809) | 9105 (20,073) | 8825 (19,456) |
| | Full turn (40°) | kg (lb) | 7900 (17,416) | 8010 (17,659) | 7910 (17,439) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2780 (9'1") | 2855 (9'4") | 2685 (8'10") |
| Reach at 2130 mm (7') and 45° dump angle** | | mm (ft.in) | 1535 (5'0") | 1495 (4'11") | 1580 (5'2") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1055 (3'6") | 980 (3'3") | 1150 (3'9") |
| Reach with arm horizontal and bucket level** | | mm (ft.in) | 2305 (7'7") | 2200 (7'3") | 2430 (8'0") |
| K. Operating height (fully raised) | | mm (ft.in) | 4995 (16'5") | 4875 (16'0") | 5130 (16'10") |
| L. Overall length, bucket on ground | | mm (ft.in) | 7055 (23'2") | 6950 (22'10") | 7185 (23'7") |
| Turning radius* | | mm (ft.in) | 5820 (19'0") | 5780 (19'0") | 5875 (19'3") |
| Digging depth | 0° | mm (ft.in) | 145 (5.7") | 145 (5.7") | 145 (5.7") |
| | 10° | mm (ft.in) | 335 (1'1") | 315 (1'0") | 355 (1'2") |
| Breakout force | | kgf (lb) | 12340 (27,205) | 13850 (30,534) | 11000 (24,251) |
| Operating weight | | kg (lb) | 10620 (23,413) | 10565 (23,292) | 10710 (23,611) |

* Bucket at carry, outside corner of bucket.
** At the end of B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Ground Clearance | | Change in Vertical Dimensions | | Change in Reach | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in | mm | ft.in |
| 17.5-25-16PR (L3) | +55 | +121 | +45 | +99 | +35 | +77 | 2375 | 7'10" | 395 | 1'4" | 0 | 0" | 0 | 0" |
| 20.5-25-12PR (L2) | +280 | +617 | +215 | +474 | +190 | +419 | 2470 | 8'1" | 465 | 1'6" | +70 | +2.8" | –70 | –2.8" |
| 20.5-25-12PR (L3) | +430 | +948 | +325 | +717 | +280 | +617 | 2470 | 8'1" | 465 | 1'6" | +70 | +2.8" | –70 | –2.8" |
| Install ROPS canopy (instead of cab) | –250 | –551 | –250 | –551 | –220 | –485 | | | | | | | | |
| Additional counterweight | +300 | +661 | +580 | +1,279 | +510 | +1,124 | | | | | | | | |
| Air conditioner | +70 | +154 | +50 | +110 | +40 | +88 | | | | | | | | |

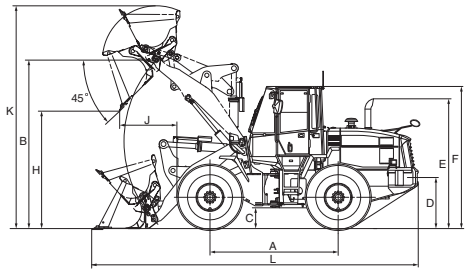


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## WA250PZ-6




Unit: mm (ft.in)

| | | 17.5-25 tires | 20.5-25 tires |
|---|---|---|---|
| | Tread | 1930 (6'4") | 1930 (6'4") |
| | Width over tires | 2375 (7'10") | 2470 (8'1") |
| A | Wheelbase | 2900 (9'6") | 2900 (9'6") |
| B | Hinge pin height, max. height | 3895 (12'9") | 3965 (13'0") |
| C | Ground clearance | 395 (1'4") | 465 (1'6") |
| D | Hitch height | 880 (2'11") | 950 (3'1") |
| E | Overall height, top of the stack | 2855 (9'4") | 2925 (9'7") |
| F | Overall height, ROPS cab | 3130 (10'2") | 3200 (10'6") |

### Bucket

### Measured with 20.5-25-16PR (L2) tires

| Bucket type | | | Stockpile Bucket With Bolt-on Cutting Edge |
|---|---|---|---|
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 2.2 (2.9) |
| | Struck | $m^3$ ($yd^3$) | 2.1 (2.7) |
| Bucket width | | mm (ft.in) | 2550 (8'4") |
| Bucket weight | | kg (lb) | 960 (2,120) |
| Static tipping load | Straight | kg (lb) | 8940 (19,710) |
| | Full turn (40°) | kg (lb) | 7865 (17,340) |
| H. Dumping clearance, max. height and 45° dump angle* | | mm (ft.in) | 2820 (9'3") |
| Reach at 2130 mm (7') and 45° dump angle* | | mm (ft.in) | 1650 (5'5") |
| J. Reach at max. height and 45° dump angle* | | mm (ft.in) | 1090 (3'7") |
| Reach with boom/bucket level* | | mm (ft.in) | 3330 (10'11") |
| K. Operating height (fully raised) | | mm (ft.in) | 5365 (17'7") |
| L. Overall length, bucket on ground | | mm (ft.in) | 7410 (24'4") |
| Digging depth | 0° | mm (ft.in) | 142 (5.6") |
| | 10° | mm (ft.in) | 375 (1'3") |
| Breakout force | | kN/kgf (lb) | 105/10730 (23,660) |
| Operating weight | | kg (lb) | 12690 (27,980) |

* At the end of B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Ground Clearance | | Change in Vertical Dimensions | | Change in Reach | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in | mm | ft.in |
| 17.5-25-16PR (L2) | –300 | –661 | –200 | –441 | –170 | –375 | 2375 | 7'10" | 395 | 1'4" | –70 | –2.8" | +70 | +2.8" |
| 17.5-25-16PR (L3) | –260 | –573 | –170 | –375 | –150 | –331 | 2375 | 7'10" | 395 | 1'4" | –70 | –2.8" | +70 | +2.8" |
| 20.5-25-12PR (L3) | +165 | +364 | +110 | +243 | +95 | +209 | 2470 | 8'1" | 465 | 1'6" | 0 | 0" | 0 | 0" |
| Install ROPS canopy (instead of cab) | –165 | –364 | –145 | –320 | –125 | –276 | | | | | | | | |

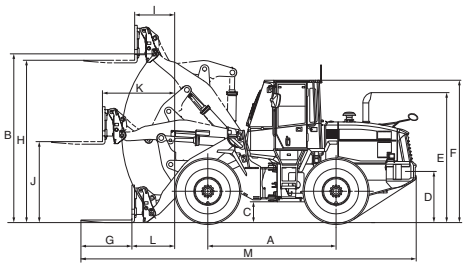


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## WA250PZ-6




Unit: mm (ft.in)

| | | 17.5-25 tires | 20.5-25 tires |
|---|---|---|---|
| | Tread | 1930 (6'4") | 1930 (6'4") |
| | Width over tires | 2375 (7'10") | 2470 (8'1") |
| A | Wheelbase | 2900 (9'6") | 2900 (9'6") |
| B | Hinge pin height, max. height | 3895 (12'9") | 3965 (13'0") |
| C | Ground clearance | 395 (1'4") | 465 (1'6") |
| D | Hitch height | 880 (2'11") | 950 (3'1") |
| E | Overall height, top of the stack | 2855 (9'4") | 2925 (9'7") |
| F | Overall height, ROPS cab | 3130 (10'3") | 3200 (10'6") |

### Fork

### Measured with 20.5-25-12PR (L2) tires

| | | | |
|---|---|---|---|
| Static tipping load – boom level Fork level, 610 mm (24") load center | Straight | kg (lb) | 6875 (15,160) |
| | Full turn (40°) | kg (lb) | 5980 (13,180) |
| Operating weight | | kg (lb) | 12275 (27,060) |
| G. Fork tine length | | mm (ft.in) | 1220 (4'0") |
| H. Ground to top of tine at maximum lift | | mm (ft.in) | 3820 (12'6") |
| I. Reach at maximum lift | | mm (ft.in) | 790 (2'7") |
| J. Ground to top of Tine – boom and tine level | | mm (ft.in) | 1820 (6'0") |
| K. Reach – boom and tine level | | mm (ft.in) | 1690 (5'7") |
| L. Reach – tine level on ground | | mm (ft.in) | 1025 (3'4") |
| M. Overall length – tine level on ground | | mm (ft.in) | 7680 (25'2") |
| Operating load | | kg (lb) | 2990 (6,590) |

Operating load per SAE J1197 (Feb. 1991), 50% of static tipping load.

Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator. Machine stability and operating weight affected by tire size and attachments.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Ground Clearance | | Change in Vertical Dimensions | | Change in Reach | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in | mm | ft.in |
| 17.5-25-12PR (L2) | –300 | –661 | –140 | –309 | –125 | –276 | 2375 | 7'10" | 395 | 1'4" | –70 | –2.8" | +70 | +2.8" |
| 17.5-25-12PR (L3) | –260 | –573 | –125 | –276 | –110 | –243 | 2375 | 7'10" | 395 | 1'4" | –70 | –2.8" | +70 | +2.8" |
| 20.5-25-12PR (L3) | +165 | +364 | +80 | +176 | +70 | +154 | 2470 | 8'1" | 465 | 1'6" | 0 | 0" | 0 | 0" |
| Install ROPS canopy (instead of cab) | –165 | –364 | –105 | –231 | –90 | –198 | | | | | | | | |

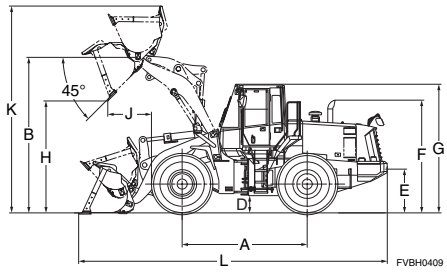


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## WA320-6




Unit: mm (ft.in)

| | | |
|---|---|---|
| | Tread | 2050 (6'9") |
| | Width over tires | 2595 (8'6") |
| A | Wheelbase | 3030 (9'11") |
| B | Hinge pin height, max. height | 3905 (12'10") |
| C | Hinge pin height, carry position | 480 (1'7") |
| D | Ground clearance | 425 (1'5") |
| E | Hitch height | 1095 (3'7") |
| F | Overall height, top of the stack | 2915 (9'7") |
| G | Overall height, ROPS cab | 3200 (10'6") |
| M | Tilt back angle | 47° |

### Measured with 20.5-25-12PR (L3) tires

| Bucket type | | | Stockpile Bucket | | Excavating Bucket | | Light Material Bucket | |
|---|---|---|---|---|---|---|---|---|
| | | | Bolt-on Cutting Edge | Teeth | Bolt-on Cutting Edge | Teeth | Bolt-on Cutting Edge | Teeth |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 2.8 (3.7) | 2.6 (3.4) | 2.3 (3.0) | 2.1 (2.7) | 3.2 (4.2) | 3.0 (3.9) |
| | Struck | $m^3$ ($yd^3$) | 2.4 (3.1) | 2.2 (2.9) | 2.0 (2.6) | 1.8 (2.4) | 2.8 (3.7) | 2.6 (3.4) |
| Bucket width | | mm (ft.in) | 2740 (9'0") | 2760 (9'1") | 2740 (9'0") | 2760 (9'1") | 2685 (8'10") | 2705 (8'10") |
| Bucket weight | | kg (lb) | 1230 (2,714) | 1125 (2,480) | 1195 (2,634) | 1090 (2,403) | 1410 (3,110) | 1305 (2,877) |
| Static tipping load | Straight | kg (lb) | 11520 (25,400) | 11795 (26,005) | 11735 (25,870) | 11850 (26,125) | 11595 (25,565) | 11700 (25,795) |
| | Full turn (40°) | kg (lb) | 10270 (22,640) | 10550 (23,260) | 10490 (23,130) | 10600 (23,370) | 10345 (22,810) | 10450 (23,040) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2850 (9'4") | 2740 (9'0") | 2955 (9'8") | 2845 (9'4") | 2715 (8'11") | 2665 (8'7") |
| Reach at 2130 mm (7') and 45° dump angle** | | mm (ft.in) | 1580 (5'2") | 1615 (5'4") | 1530 (5'0") | 1565 (5'2") | 1640 (5'5") | 1665 (5'6") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1035 (3'5") | 1125 (3'8") | 930 (3'1") | 1020 (3'4") | 1170 (3'10") | 1260 (4'2") |
| Reach with arm horizontal and bucket level** | | mm (ft.in) | 2525 (8'3") | 2670 (9'1") | 2380 (7'10") | 2525 (8'3") | 2720 (8'11") | 2865 (9'5") |
| K. Operating height (fully raised) | | mm (ft.in) | 5325 (17'6") | 5325 (17'6") | 5135 (16'10") | 5165 (16'11") | 5405 (17'9") | 5500 (18'1") |
| L. Overall length, bucket on ground | | mm (ft.in) | 7515 (24'8") | 7600 (25'2") | 7370 (24'2") | 7515 (24'8") | 7705 (25'3") | 7850 (25'9") |
| Turning radius* | | mm (ft.in) | 6260 (20'6") | 6310 (20'8") | 6220 (20'5") | 6270 (20'7") | 6290 (20'8") | 6345 (20'10") |
| Digging depth | 0° | mm (ft.in) | 85 (3.3") | 100 (3.9") | 85 (3.3") | 100 (3.9") | 85 (3.3") | 100 (3.9") |
| | 10° | mm (ft.in) | 296 (11.7") | 335 (1'1") | 275 (10.8") | 310 (1'1") | 330 (1.1") | 370 (1'3") |
| Breakout force | | kN kgf (lb) | 129 13180 (29,060) | 115 11700 (25,795) | 148 15140 (33,380) | 130 13210 (29,125) | 111 11280 (24,870) | 109 11080 (24,430) |
| Operating weight | | kg (lb) | 13850 (30,535) | 13745 (30,305) | 13810 (30,450) | 13705 (30,215) | 14025 (30,920) | 13920 (30,690) |

* Bucket at carry, outside corner of bucket.
** At the end of tooth or B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab, additional counterweight and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Ground Clearance | | Change in Vertical Dimensions | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in |
| 20.5-25-12PR (L2) | –210 | –463 | –165 | –364 | –164 | –364 | 2590 | 8'6" | 425 | 1'5" | 0 | 0" |
| Install ROPS canopy (instead of cab) | –150 | –331 | –150 | –371 | –140 | –309 | | | | | | |
| Additional counterweight | +520 | +1,146 | +1015 | +2,238 | +870 | +1,918 | | | | | | |

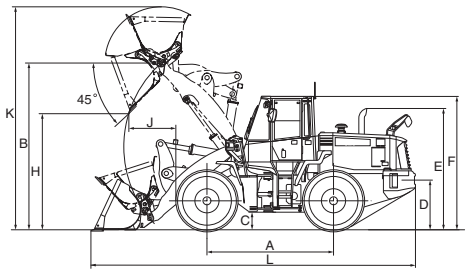


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## WA320PZ-6




Unit: mm (ft.in)

| | | |
|---|---|---|
| | Tread | 2050 (6'9") |
| | Width over tires | 2590 (8'6") |
| A | Wheelbase | 3030 (9'11") |
| B | Hinge pin height, max. height | 4005 (13'2") |
| C | Ground clearance | 425 (1'5") |
| D | Hitch height | 1095 (3'7") |
| E | Overall height, top of the stack | 2915 (9'7") |
| F | Overall height, ROPS cab | 3200 (10'6") |

### Bucket

### Measured with 20.5-25-12PR (L2) tires

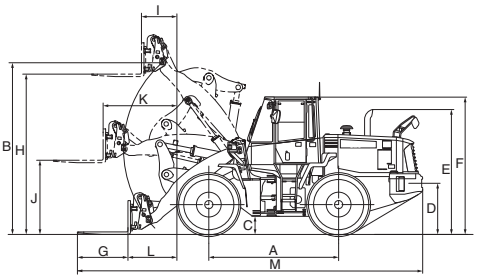
| Bucket type | | | Light Material Bucket With Bolt-on Cutting Edge |
|---|---|---|---|
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 2.7 (3.5) |
| | Struck | $m^3$ ($yd^3$) | 2.3 (3.0) |
| Bucket width | | mm (ft.in) | 2740 (9'0") |
| Bucket weight | | kg (lb) | 1140 (2,510) |
| Static tipping load | Straight | kg (lb) | 10410 (22,950) |
| | Full turn (40°) | kg (lb) | 9160 (20,190) |
| H. Dumping clearance, max. height and 45° dump angle* | | mm (ft.in) | 2800 (9'2") |
| Reach at 2130 mm (7') and 45° dump angle* | | mm (ft.in) | 1670 (5'6") |
| J. Reach at max. height and 45° dump angle* | | mm (ft.in) | 1130 (3'8") |
| Reach with boom/bucket level* | | mm (ft.in) | 2655 (8'9") |
| K. Operating height (fully raised) | | mm (ft.in) | 5355 (17'7") |
| L. Overall length, bucket on ground | | mm (ft.in) | 7770 (25'6") |
| Digging depth | 0° | mm (ft.in) | 130 (5.1") |
| | 10° | mm (ft.in) | 370 (1'3") |
| Breakout force | | kN/kgf (lb) | 141/14410 (31,770) |
| Operating weight | | kg (lb) | 15280 (33,690) |

* At the end of B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

### Fork

| | | | | |
|---|---|---|---|---|
| | Static tipping load - boom level<br>Fork level, 610 mm 24" load center | Straight | kg (lb) | 8235 (18,150) |
| | | Full turn (40°) | kg (lb) | 7055 (15,550) |
| | Operating weight | | kg (lb) | 14695 (32,400) |
| G | Fork tine length | | mm (ft.in) | 1220 (4'0") |
| H | Ground to top of tine at maximum lift | | mm (ft.in) | 3810 (12'6") |
| I | Reach at maximum lift | | mm (ft.in) | 835 (2'9") |
| J | Ground to top of Tine - boom and tine level | | mm (ft.in) | 1795 (5'11") |
| K | Reach - boom and tine level | | mm (ft.in) | 1730 (5'8") |
| L | Reach - tine level on ground | | mm (ft.in) | 1100 (3'7") |
| M | Overall Length - tine level on ground | | mm (ft.in) | 8035 (26'4") |
| | Operating load | | kg (lb) | 3525 (7,770) |




Operating load per SAE J1197 (Feb. 1991), 50% of static tipping load.

Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator. Machine stability and operating weight affected by tire size and attachments.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Ground Clearance | | Change in Vertical Dimensions | | Change in Reach | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in | mm | ft.in |
| 20.5-25-12PR (L3) | +165 | +364 | +105 | +231 | +95 | +209 | 2590 | 8'6" | 425 | 1'5" | 0 | 0" | 0 | 0" |
| Install ROPS canopy (instead of cab) | –290 | –639 | –135 | –298 | –120 | –265 | | | | | | | | |

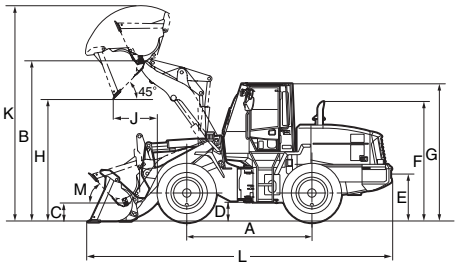


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## WA320-5




Unit: mm (ft.in)

| | | |
|---|---|---|
| | Tread | 2050 (6'9") |
| | Width over tires | 2585 (8'6") |
| A | Wheelbase | 3030 (9'11") |
| B | Hinge pin height, max. height | 3905 (12'10") |
| C | Hinge pin height, carry position | 480 (1'7") |
| D | Ground clearance | 425 (1'5") |
| E | Hitch height | 1095 (3'7") |
| F | Overall height, top of the stack | 2775 (9'1") |
| G | Overall height, ROPS cab | 3200 (10'6") |
| M | Tilt back angle | 49° |

### Measured with 20.5-25-12PR (L3) tires

| Bucket type | | | Stockpile Bucket With Bolt-on Cutting Edge | Excavating Bucket With Bolt-on Cutting Edge | Light Material Bucket With Bolt-on Cutting Edge |
|---|---|---|---|---|---|
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 2.8 (3.7) | 2.3 (3.0) | 3.2 (4.2) |
| | Struck | $m^3$ ($yd^3$) | 2.4 (3.1) | 2.0 (2.6) | 2.8 (3.7) |
| Bucket width | | mm (ft.in) | 2740 (9'0") | 2740 (9'0") | 2740 (9'0") |
| Bucket weight | | kg (lb) | 1240 (2,734) | 1330 (2,932) | 1430 (3,153) |
| Static tipping load | Straight | kg (lb) | 11250 (24,802) | 11160 (24,604) | 11060 (24,383) |
| | Full turn (40°) | kg (lb) | 9800 (21,605) | 9720 (21,429) | 9630 (21,230) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2850 (9'4") | 2955 (9'8") | 2715 (8'11") |
| Reach at 2130 mm (7') and 45° dump angle** | | mm (ft.in) | 1570 (5'2") | 1675 (5'6") | 1435 (4'8") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1035 (3'5") | 930 (3'1") | 1170 (3'10") |
| Reach with arm horizontal and bucket level** | | mm (ft.in) | 2420 (7'11") | 2275 (7'6") | 2610 (8'7") |
| K. Operating height (fully raised) | | mm (ft.in) | 5330 (17'6") | 5145 (16'11") | 5415 (17'9") |
| L. Overall length, bucket on ground | | mm (ft.in) | 7455 (24'6") | 7310 (24'0") | 7645 (25'1") |
| Turning radius* | | mm (ft.in) | 6090 (20'0") | 6030 (19'9") | 6165 (20'2") |
| Digging depth | 0° | mm (ft.in) | 85 (3.3") | 85 (3.3") | 85 (3.3") |
| | 10° | mm (ft.in) | 296 (11.7") | 275 (10.8") | 322 (12.7") |
| Breakout force | | kgf (lb) | 13180 (29,057) | 15100 (33,290) | 11280 (24,868) |
| Operating weight | | kg (lb) | 13520 (29,806) | 13610 (30,005) | 13710 (30,225) |

* Bucket at carry, outside corner of bucket.
** At the end of tooth or B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab, additional counterweight and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Ground Clearance | | Change in Vertical Dimensions | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in |
| 20.5-25-12PR (L2) | –160 | –353 | –120 | –265 | –104 | –229 | 2585 | 8'6" | 425 | 1'5" | 0 | 0" |
| Install ROPS canopy (instead of cab) | –150 | –331 | –107 | –236 | –93 | –205 | | | | | | |
| Additional counterweight | +520 | +1,146 | +1010 | +2,227 | +880 | +1,940 | | | | | | |
| Air conditioner | +70 | +154 | +90 | +198 | +80 | +176 | | | | | | |



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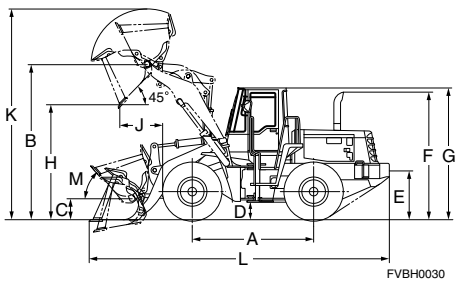
## WA320-3 CUSTOM

| | | Capacity Heaped m³(cu.yd) | Struck m³ (cu.yd) | Bucket width mm (ft.in) | Bucket weight kg (lb) | Breakout force kgf (lb) |
|---|---|---|---|---|---|---|
| I | General-purpose bucket with bolt-on cutting edges; (Loading and excavating of soil, sand and variety of other commonly handled materials.) | 2.7 (3.53) | 2.3 (3.01) | 2740 (9') | 1245 (2,745) | 13050 (28,770) |
| II | General-purpose bucket with teeth | 2.5 (3.0) | 1.95 (2.55) | 2760 (9'1") | 1125 (2,720) | 14680 (32,360) |
| III | Excavating bucket with bolt-on cutting edges | 2.3 (3.0) | 1.95 (2.55) | 2740 (9') | 1320 (2,910) | 14010 (30,890) |
| IV | Excavating bucket with teeth (Loading and excavating of crushed rock and blasted rock.) | 2.1 (2.75) | 1.8 (2.35) | 2760 (9'1") | 1210 (2,670) | 15490 (34,150) |
| V | Light material bucket with bolt-on cutting edges; (A Lighter-weight, large-capacity bucket.) | 3.2 (4.2) | 2.8 (3.7) | 2740 (9') | 1430 (3,150) | 10450 (23,040) |

| | Operating weight kg(lb) | | | | Static tipping load kg(lb) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Straight | | | | 35° turn | | | | 40° full turn | | | |
| Tires/ Buckets | I | II | III | IV | I | II | III | IV | I | II | III | IV | I | II | III | IV |
| 20.5-25-12PR (L-3) | 12970 (2,8590) | 12850 (2,8330) | 13045 (2,8760) | 12935 (2,8515) | 10560 (2,3280) | 10440 (2,3015) | 10635 (2,3445) | 10525 (2,3205) | 9505 (2,0950) | 9385 (2,0690) | 9580 (2,1120) | 9470 (2,0880) | 9185 (2,0250) | 9065 (1,9985) | 9260 (2,0415) | 9150 (2,0170) |

- All dimensions, weights and performance values based on SAE J-732c and J-742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab,and operator.
- Machine stability and operating weight are affected by counterweight, tire size and other attachments. Apply the following weight changes to operating weight and static tipping load.

| Weight Changes | Change in operating weight kg (lb) | Change in tipping load kg (lb) Straight | Full turn |
|---|---|---|---|
| Remove ROPS cab | –310 (–683) | –280 (–620) | –245 (–540) |
| Install additional counterweight 325 kg (715 lb) | +325 (+715) | +830 (+1,830) | +690 (+1,520) |




Unit: mm (ft.in)

| | | 20.5-25 tires |
|---|---|---|
| | Tread | 2050 (6'9") |
| | Width over tires | 2585 (8'6") |
| A | Wheelbase | 3030 (9'11") |
| B | Hinge pin height, max. height | 3885 (12'9") |
| C | Hinge pin height, carry position | 450 (1'6") |
| D | Ground clearance | 400 (1'4") |
| E | Hitch height | 1190 (3'11") |
| F | Overall height, top of the stack | 3235 (10'6") |
| G | Overall height, ROPS cab | 3335 (10'11") |
| M | Tilt back angle | 48° |

### Measured with 17.5-25 tires

Unit: mm (ft.in)

| Buckets | | I | II | III | IV |
|---|---|---|---|---|---|
| H. Dumping clearance, max. height and 45° dump angle** | | 2850 (9'4") | 2715 (8'11") | 2935 (9'8") | 2800 (9'2") |
| Reach at 2130 mm (7') cut edge clearance and 45° dump angle | | 1570 (5'2") | 1600 (5'3") | 1530 (5') | 1560 (5'1") |
| J. Reach at max. height and 45° dump angle** | | 1035 (3'5") | 1155 (3'9") | 950 (3'1") | 1070 (3'6") |
| Reach with arm horizontal and bucket level | | 2395 (7'10") | 2520 (8'3") | 2275 (7'6") | 2400 (7'10") |
| K. Operating height (fully raised) | | 5265 (17'3") | 5265 (17'3") | 5110 (16'9") | 5110 (16'9") |
| L. Overall length | | 7410 (24'4") | 7535 (24'9") | 7290 (23'11") | 7415 (24'4") |
| Turning radius* | | 6080 (19'11") | 6125 (20'1") | 6045 (19'10") | 6090 (20'0") |
| Digging depth | 0° | 90 (3.5") | 105 (4.1") | 90 (3.5") | 105 (4.1") |
| | 10° | 295 (11.6") | 330 (1'13") | 275 (10.8") | 310 (12'2") |

* Bucket at carry, outside corner of bucket.
** At the end of teeth or B.O.C.

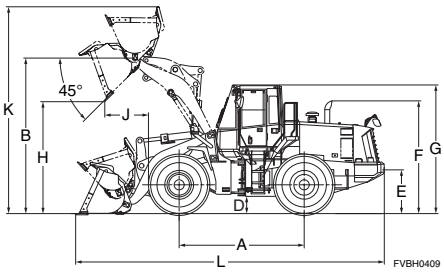


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## WA380-6




Unit: mm (ft.in)

| | | |
|---|---|---|
| | Tread | 2160 (7'1") |
| | Width over tires | 2695 (8'10") |
| A | Wheelbase | 3300 (10'10") |
| B | Hinge pin height, max. height | 4030 (13'3") |
| C | Hinge pin height, carry position | 520 (1'8") |
| D | Ground clearance | 390 (1'3") |
| E | Hitch height | 1085 (3'7") |
| F | Overall height, top of the stack | 2885 (9'6") |
| G | Overall height, ROPS cab | 3315 (10'11") |
| M | Tilt back angle | 50° |

### Measured with 20.5-25-16PR (L3) tires

| Bucket type | | | General Purpose Buckets | | Excavating Buckets | | | Light Material Bucket |
|---|---|---|---|---|---|---|---|---|
| | | | Bolt-on Cutting Edges | Teeth | Bolt-on Cutting Edges | Teeth and Segments | Teeth | Bolt-on Cutting Edges |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 3.3 (4.3) | 3.1 (4.1) | 2.9 (3.8) | 2.9 (3.8) | 2.7 (3.5) | 4.0 (5.2) |
| | Struck | $m^3$ ($yd^3$) | 2.9 (3.8) | 2.7 (3.5) | 2.4 (3.1) | 2.4 (3.1) | 2.3 (3.0) | 3.4 (4.4) |
| Bucket width | | mm (ft.in) | 2905 (9'6") | 2925 (9'7") | 2905 (9'6") | 2925 (9'7") | 2925 (9'7") | 2905 (9'6") |
| Bucket weight | | kg (lb) | 1620 (3,570) | 1540 (3,395) | 1720 (3,790) | 1765 (3,890) | 1645 (3,627) | 1835 (4,045) |
| Static tipping load | Straight | kg (lb) | 13880 (30,600) | 13970 (30,800) | 13780 (30,380) | 13710 (30,230) | 13870 (30,580) | 13640 (30,070) |
| | Full turn | kg (lb) | 12000 (26,460) | 12100 (26,680) | 11900 (26,230) | 11840 (26,100) | 12000 (26,460) | 11770 (25,950) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2885 (9'6") | 2755 (9'0") | 2960 (9'9") | 2840 (9'4") | 2840 (9'4") | 2790 (9'2") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | 1210 (4'0") | 1305 (4'3") | 1125 (3'8") | 1225 (4'0") | 1225 (4'0") | 1295 (4'3") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1760 (5'9") | 1790 (5'10") | 1720 (5'8") | 1755 (5'9") | 1755 (5'9") | 1800 (5'11") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | 2650 (8'8") | 2810 (9'3") | 2510 (8'3") | 2680 (8'10") | 2680 (8'10") | 2775 (9'1") |
| K. Operating height (fully raised) | | mm (ft.in) | 5535 (18'2") | 5535 (18'2") | 5420 (17'9") | 5420 (17'9") | 5420 (17'9") | 5670 (18'7") |
| L. Overall length | | mm (ft.in) | 8195 (26'11") | 8365 (27'5") | 8055 (26'5") | 8225 (27'0") | 8225 (27'0") | 8320 (27'4") |
| Turning radius | | mm (ft.in) | 7220 (23'8") | 7275 (23'10") | 7185 (23'7") | 7240 (23'9") | 7240 (23'9") | 7250 (23'9") |
| Digging depth | 0° | mm (ft.in) | 125 (4.9") | 140 (5.5") | 125 (4.9") | 140 (5.5") | 140 (5.5") | 125 (4.9") |
| | 10° | mm (ft.in) | 360 (14'2") | 400 (15'7") | 335 (13'2") | 380 (15'0") | 380 (15'0") | 380 (15'0") |
| Breakout force | | kN<br>kgf<br>(lb) | 158<br>16100<br>(35,495) | 170<br>17300<br>(38,140) | 176.5<br>18000<br>(39,680) | 183<br>18700<br>(41,225) | 191<br>19500<br>(42,990) | 144<br>14700<br>(32,405) |
| Operating weight | | kg (lb) | 16610 (36,620) | 16540 (36,460) | 16720 (36,860) | 16760 (36,950) | 16650 (36,710) | 16850 (37,150) |

* Bucket at carry, outside corner of bucket.
** At the end of tooth or B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments. Apply the following weight changes to operating weight and static tipping load.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Ground Clearance | | Change in Vertical Dimensions | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in |
| 20.5-25-16PR (L3) | 0 | 0 | 0 | 0 | 0 | 0 | 2,695 | 8'10" | 390 | 1'3" | 0 | 0" |
| 23.5-25-16PR (L3) | +970 | +2,140 | +770 | +1,700 | +680 | +1,500 | 2,780 | 9'1" | 455 | 1'6" | +65 | 3" |
| Install additional counterweight | +340 | +750 | +900 | +1,985 | +755 | +1,655 | | | | | | |

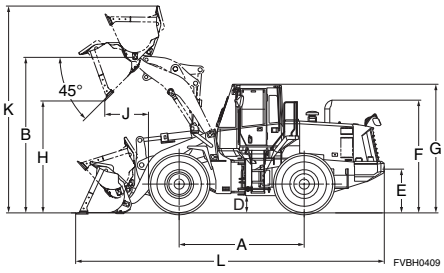


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## WA380Z-6 (Japan source)




Unit: mm (ft.in)

| | | |
|---|---|---|
| | Tread | 2160 (7'1") |
| | Width over tires | 2780 (9'1") |
| A | Wheelbase | 3300 (10'10") |
| B | Hinge pin height, max. height | 4095 (13'5") |
| C | Hinge pin height, carry position | 520 (1'8") |
| D | Ground clearance | 455 (1'6") |
| E | Hitch height | 1150 (3'9") |
| F | Overall height, top of the stack | 2975 (9'9") |
| G | Overall height, ROPS cab | 3390 (11'2") |
| M | Tilt back angle | 50° |

### Measured with 23.5-25-16PR (L3) tires, ROPS/FOPS cab

| Bucket type | | | General Purpose Buckets | | Excavating Buckets | | | Light Material Bucket |
|---|---|---|---|---|---|---|---|---|
| | | | Bolt-on Cutting Edges | Teeth | Bolt-on Cutting Edges | Teeth and Segments | Teeth | Bolt-on Cutting Edges |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 3.3 (4.3) | 3.1 (4.1) | 2.9 (3.8) | 2.9 (3.8) | 2.7 (3.5) | 4.0 (5.2) |
| | Struck | $m^3$ ($yd^3$) | 2.9 (3.8) | 2.7 (3.5) | 2.4 (3.1) | 2.4 (3.1) | 2.3 (3.0) | 3.4 (4.4) |
| Bucket width | | mm (ft.in) | 2905 (9'6") | 2925 (9'7") | 2905 (9'6") | 2925 (9'7") | 2925 (9'7") | 2905 (9'6") |
| Bucket weight | | kg (lb) | 1620 (3,571) | 1540 (3,395) | 1720 (3,792) | 1765 (3,891) | 1645 (3,627) | 1835 (4,045) |
| Static tipping load | Straight | kg (lb) | 14415 (31,780) | 14560 (32,100) | 14360 (31,660) | 14335 (31,600) | 14485 (31,930) | 14075 (31,030) |
| | Full turn | kg (lb) | 12470 (27,490) | 12610 (27,800) | 12410 (27,360) | 12380 (27,290) | 12530 (27,620) | 12140 (26,760) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2950 (9'8") | 2825 (9'3") | 3025 (9'11") | 2905 (9'6") | 2905 (9'6") | 2855 (9'4") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | 1730 (5'8") | 1765 (5'9") | 1675 (5'6") | 1715 (5'8") | 1715 (5'8") | 1755 (5'9") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1150 (3'9") | 1240 (4'1") | 1045 (3'5") | 1140 (3'9") | 1140 (3'9") | 1220 (4'0") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | 2585 (8'6") | 2450 (8'0") | 2445 (8'0") | 2615 (8'7") | 2615 (8'7") | 2710 (8'11") |
| K. Operating height (fully raised) | | mm (ft.in) | 5600 (18'4") | 5600 (18'4") | 5485 (18'0") | 5485 (18'0") | 5485 (18'0") | 5735 (18'10") |
| L. Overall length | | mm (ft.in) | 8140 (26'8") | 8295 (27'3") | 8000 (26'3") | 8155 (26'9") | 8155 (26'9") | 8265 (27'1") |
| Turning radius | | mm (ft.in) | 7210 (23'8") | 7260 (23'10") | 7175 (23'6") | 7185 (23'7") | 7225 (23'8") | 7240 (23'9") |
| Digging depth | 0° | mm (ft.in) | 60 (2.4") | 75 (3.0") | 60 (2.4") | 75 (3.0") | 75 (3.0") | 60 (2.4") |
| | 10° | mm (ft.in) | 290 (11.4") | 335 (1'1") | 270 (10.6") | 315 (12.4") | 315 (12.4") | 315 (12.4") |
| Breakout force | | kN<br>kgf<br>(lb) | 158<br>16100<br>(35,490) | 170<br>17300<br>(38,140) | 176<br>18000<br>(39,680) | 183<br>18700<br>(41,230) | 191<br>19500<br>(42,990) | 144<br>14700<br>(32,410) |
| Operating weight | | kg (lb) | 17200 (37,920) | 17130 (37,760) | 17300 (38,140) | 17350 (38,250) | 17230 (37,990) | 17420 (38,400) |

* Bucket at carry, outside corner of bucket.
** At the end of B.O.C. or teeth

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Ground Clearance | | Change in Vertical Dimensions | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in |
| 20.5-25-16PR (L3) | -970 | -2138 | -770 | -1698 | -680 | -1499 | 2695 | 8'10" | 390 | 1'3" | -65 | -2.6" |
| Install additional counterweight | +340 | +750 | +900 | +1984 | +755 | +1664 | | | | | | |

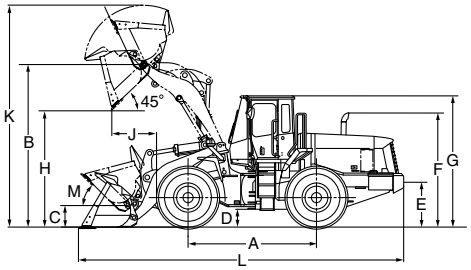


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## WA380-5




Unit: mm (ft.in)

| | | |
|---|---|---|
| | Tread | 2160 (7'1") |
| | Width over tires | 2695 (8'10") |
| A | Wheelbase | 3300 (10'10") |
| B | Hinge pin height, max. height | 4030 (13'3") |
| C | Hinge pin height, carry position | 520 (1'8") |
| D | Ground clearance | 390 (1'3") |
| E | Hitch height | 1085 (3'7") |
| F | Overall height, top of the stack | 2885 (9'6") |
| G | Overall height, ROPS cab | 3315 (10'11") |
| M | Tilt back angle | 50° |

### Measured with 20.5-25-16PR (L3) tires

| Bucket type | | | General Purpose Buckets | | Excavating Buckets | | | Light Material Bucket |
|---|---|---|---|---|---|---|---|---|
| | | | Bolt-on Cutting Edges | Teeth | Bolt-on Cutting Edges | Teeth and Segments | Teeth | Bolt-on Cutting Edges |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 3.3 (4.3) | 3.1 (4.1) | 2.9 (3.8) | 2.9 (3.8) | 2.7 (3.5) | 4.0 (5.2) |
| | Struck | $m^3$ ($yd^3$) | 2.9 (3.8) | 2.7 (3.5) | 2.4 (3.1) | 2.4 (3.1) | 2.3 (3.0) | 3.4 (4.4) |
| Bucket width | | mm (ft.in) | 2905 (9'6") | 2925 (9'7") | 2905 (9'6") | 2925 (9'7") | 2925 (9'7") | 2905 (9'6") |
| Bucket weight | | kg (lb) | 1645 (3,627) | 1570 (3,461) | 1720 (3,792) | 1765 (3,891) | 1645 (3,627) | 1835 (4,045) |
| Static tipping load | Straight | kg (lb) | 12880 (28,395) | 12955 (28,561) | 12805 (28,230) | 12760 (28,131) | 12880 (28,395) | 12690 (27,976) |
| | 40° full turn | kg (lb) | 11200 (24,692) | 11275 (24,857) | 11125 (24,526) | 11080 (24,427) | 11200 (24,692) | 11010 (24,273) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2885 (9'6") | 2755 (9'0") | 2960 (9'9") | 2840 (9'4") | 2840 (9'4") | 2790 (9'2") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | 1760 (5'9") | 1790 (5'10") | 1720 (5'8") | 1755 (5'9") | 1755 (5'9") | 1800 (5'11") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1210 (4'0") | 1305 (4'3") | 1125 (3'8") | 1225 (4'0") | 1225 (4'0") | 1295 (4'3") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | 2650 (8'8") | 2810 (9'3") | 2535 (8'4") | 2695 (8'10") | 2695 (8'10") | 2775 (9'1") |
| K. Operating height (fully raised) | | mm (ft.in) | 5520 (18'1") | 5520 (18'1") | 5405 (17'9") | 5405 (17'9") | 5405 (17'9") | 5655 (18'7") |
| L. Overall length | | mm (ft.in) | 8195 (26'11") | 8350 (27'5") | 8080 (26'6") | 8235 (27'0") | 8235 (27'0") | 8320 (27'4") |
| Turning radius | | mm (ft.in) | 6580 (21'7") | 6635 (21'9") | 6545 (21'6") | 6600 (21'8") | 6600 (21'8") | 6610 (21'8") |
| Digging depth | 0° | mm (ft.in) | 125 (4.9") | 140 (5.5") | 125 (4.9") | 140 (5.5") | 140 (5.5") | 125 (4.9") |
| | 10° | mm (ft.in) | 360 (1'2") | 400 (1'4") | 335 (1'1") | 380 (1'3") | 380 (1'3") | 380 (1'3") |
| Breakout force | | kN<br>kgf<br>(lb) | 148<br>15080<br>(33,245) | 160<br>16315<br>(35,968) | 163<br>16621<br>(36,642) | 168<br>17131<br>(37,766) | 177<br>18048<br>(39,789) | 135<br>13766<br>(30,348) |
| Operating weight | | kg (lb) | 16230 (35,781) | 16160 (35,626) | 16310 (35,957) | 16350 (36,045) | 16230 (35,781) | 16420 (36,200) |

* Bucket at carry, outside corner of bucket.
** At the end of tooth or B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments. Apply the following weight changes to operating weight and static tipping load.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Ground Clearance | | Change in Vertical Dimensions | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in |
| 20.5-25-16PR (L3) | 0 | 0 | 0 | 0 | 0 | 0 | 2,695 | 8'10" | 390 | 1'3" | 0 | 0" |
| 23.5-25-16PR (L3) | +1080 | +2,381 | +740 | +1,632 | +650 | +1,433 | 2,780 | 9'1" | 460 | 1'6" | +65 | 2.6" |
| Remove ROPS cab | –660 | –1,455 | –650 | –1,433 | –625 | –1,378 | | | | | | |
| Install front/rear compartment | +120 | +265 | +120 | +265 | +115 | +254 | | | | | | |
| Install additional counterweight | +325 | +717 | +860 | +1,896 | +715 | +1,577 | | | | | | |

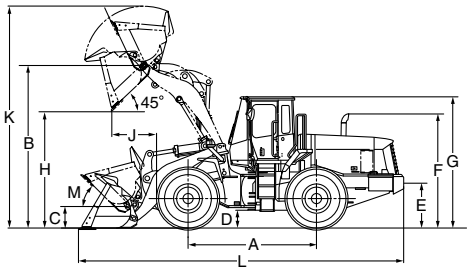


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## WA380-5 (with high lift boom)




Unit: mm (ft.in)

| | | |
|---|---|---|
| | Tread | 2160 (7'1") |
| | Width over tires | 2695 (8'10") |
| A | Wheelbase | 3330 (10'10") |
| B | Hinge pin height, max. height | 4560 (15'0") |
| C | Hinge pin height, carry position | 685 (2'3") |
| D | Ground clearance | 390 (1'3") |
| E | Hitch height | 1085 (3'7") |
| F | Overall height, top of the stack | 2885 (9'6") |
| G | Overall height, ROPS cab | 3315 (10'15") |
| M | Tilt back angle | 50° |

### Measured with 20.5-25-16PR (L3) tires

| Bucket type | | | High-lift Bucket With Bolt-on Cutting Edge | High-lift Bucket With Teeth |
|---|---|---|---|---|
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 2.9 (3.8) | 2.7 (3.5) |
| | Struck | $m^3$ ($yd^3$) | 2.4 (3.1) | 2.3 (3.0) |
| Bucket width | | mm (ft.in) | 2905 (9'6") | 2915 (9'7") |
| Bucket weight | | kg (lb) | 1720 (3,792) | 1645 (3,627) |
| Static tipping load | Straight | kg (lb) | 12020 (26,500) | 12105 (26,685) |
| | Full turn (40°) | kg (lb) | 10460 (23,060) | 10535 (23,225) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 3510 (11'6") | 3400 (11'2") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | 2240 (7'4") | 2305 (7'7") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1250 (4'1") | 1360 (4'6") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | 3000 (9'10") | 3155 (10'4") |
| Operating height (fully raised) | | mm (ft.in) | 5920 (19'5") | 5920 (19'5") |
| Overall length | | mm (ft.in) | 8800 (28'10") | 8955 (29'5") |
| Turning radius* | | mm (ft.in) | 6800 (22'4") | 6855 (22'6") |
| Digging depth | 0° | mm (ft.in) | 180 (7") | 195 (8") |
| | 10° | mm (ft.in) | 385 (1'3") | 415 (1'4") |
| Breakout force | | kN<br>kgf<br>(lb) | 161.5<br>16470<br>(36,310) | 176<br>17950<br>(39,570) |
| Operating weight | | kg (lb) | 17200 (37,920) | 17125 (37,750) |

* Bucket at carry, outside corner of bucket.
** At the end of tooth or B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments. Apply the following weight changes to operating weight and static tipping load.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Ground Clearance | | Change in Vertical Dimensions | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in |
| 20.5-25-16PR (L3) | 0 | 0 | 0 | 0 | 0 | 0 | 2695 | 8'10" | 390 | 1'3" | 0 | 0" |
| 23.5-25-16PR (L3) | +1080 | +2,381 | +740 | +1,632 | +650 | +1,433 | 2780 | 9'1" | 460 | 1'6" | +65 | +2.6" |
| Remove ROPS cab | –660 | –1,455 | –650 | –1,433 | –625 | –1,378 | | | | | | |
| Install front/rear compartment | +120 | +265 | +120 | +265 | +115 | +254 | | | | | | |
| Install additional counterweight | +325 | +717 | +860 | +1,896 | +715 | +1,577 | | | | | | |



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## WA380-3

| | | Capacity Heaped $m^3$(cu.yd) | Struck $m^3$ (cu.yd) | Bucket width mm (ft.in) | Bucket weight kg (lb) | Breakout force kgf (lb) |
|---|---|---|---|---|---|---|
| I | General-purpose bucket with bolt-on cutting edges; (Loading and excavating of soil, sand and variety of other commonly handled materials.) | 3.2 (4.2) | 2.7 (3.55) | 2905 (9'6") | 1630 (3,590) | 15100 (33,300) |
| II | General-purpose bucket with teeth | 3.0 (3.9) | 2.6 (3.4) | 2920 (9'7") | 1560 (3,440) | 16300 (36,000) |
| III | Excavating bucket with bolt-on cutting edges | 2.8 (3.65) | 2.35 (3.07) | 2905 (9'6") | 1710 (3,770) | 16600 (36,600) |
| IV | Excavating bucket with teeth (Loading and excavating of crushed rock and blasted rock.) | 2.6 (3.4) | 2.2 (2.9) | 2920 (9'7") | 1640 (3,620) | 18100 (39,900) |
| V | Light material bucket with bolt-on cutting edges; (A Lighter-weight, large-capacity bucket.) | 4.0 (5.25) | 3.4 (4.45) | 2905 (9'6") | 1830 (4,030) | 13100 (28,900) |

| | Operating weight kg(lb) | | | |
|---|---|---|---|---|
| Tires/Buckets | I | II | III | IV |
| 20.5-25-16PR (L-2) | 16285 (3,5910) | 16215 (35,755) | 16365 (36,085) | 16295 (35,930) |
| 20.5-25-16PR (L-3) | 16480 (36,340) | 16410 (36,185) | 16560 (36,515) | 16490 (36,360) |
| 23.5-25-12PR (L-2) | 17030 (37,550) | 16960 (37,400) | 17110 (37,730) | 17040 (37,575) |
| 23.5-25-12PR (L-3) | 17335 (38,225) | 17265 (38,070) | 17415 (38,400) | 17345 (38,250) |
| 23.5-25-16PR (L-2) | 17070 (37,640) | 17000 (37,485) | 17150 (37,820) | 17080 (37,660) |
| 23.5-25-16PR (L-3) | 17445 (38,470) | 17375 (38,315) | 17525 (38,645) | 17455 (38,490) |
| 23.5-25-20PR (L-2) | 17135 (37,785) | 17065 (37,630) | 17215 (37,960) | 17145 (37,805) |
| 23.5-25-20PR (L-3) | 17445 (38,470) | 17375 (38,315) | 17525 (38,645) | 17455 (38,490) |

| | Static tipping load kg(lb) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Straight | | | | 35° turn | | | | 40° full turn | | | |
| Tires/Buckets | I | II | III | IV | I | II | III | IV | I | II | III | IV |
| 20.5-25-16PR (L-2) | 12480 (27,515) | 12550 (27,665) | 12385 (27,305) | 12450 (27,455) | 11180 (24,650) | 11240 (24,790) | 11090 (24,460) | 11155 (24,600) | 10805 (23,830) | 10865 (23,960) | 10720 (23,645) | 10780 (23,775) |
| 20.5-25-16PR (L-3) | 12630 (27,845) | 12700 (27,995) | 12530 (27,635) | 12600 (27,785) | 11320 (24,950) | 11375 (25,080) | 11230 (24,760) | 11290 (24,895) | 10935 (24,115) | 10995 (24,245) | 10850 (23,930) | 10910 (24,060) |
| 23.5-25-12PR (L-2) | 13050 (28,780) | 13120 (28,930) | 12955 (28,565) | 13025 (28,720) | 11700 (25,785) | 11755 (25,920) | 11610 (25,595) | 11670 (25,730) | 11300 (24,925) | 11360 (25,055) | 11220 (24,740) | 11280 (24,870) |
| 23.5-25-12PR (L-3) | 13285 (29,295) | 13355 (29,445) | 13190 (29,085) | 13260 (29,235) | 11910 (26,250) | 11965 (26,385) | 11820 (26,060) | 11880 (26,195) | 11505 (25,370) | 11565 (25,500) | 11420 (25,190) | 11480 (25,320) |
| 23.5-25-16PR (L-2) | 13080 (28,845) | 13150 (28,995) | 12985 (28,635) | 13055 (28,785) | 11725 (25,845) | 11780 (25,980) | 11635 (25,655) | 11695 (25,790) | 11330 (24,980) | 11390 (25,110) | 11245 (24,800) | 11305 (24,930) |
| 23.5-25-16PR (L-3) | 13370 (29,480) | 13440 (29,635) | 13275 (29,270) | 13345 (29,425) | 11980 (26,415) | 12040 (26,550) | 11895 (26,225) | 11955 (26,360) | 11580 (25,535) | 11640 (25,665) | 11495 (25,350) | 11555 (25,480) |
| 23.5-25-20PR (L-2) | 13130 (28,955) | 13200 (29,105) | 13035 (28,745) | 13105 (28,895) | 11770 (25,945) | 11830 (26,080) | 11680 (25,755) | 11740 (25,890) | 11370 (25,080) | 11430 (25,210) | 11290 (24,895) | 11350 (25,025) |
| 23.5-25-20PR (L-3) | 13370 (294,80) | 13440 (29,635) | 13275 (29,270) | 13345 (29,425) | 11980 (26,415) | 12040 (26,550) | 11895 (26,225) | 11955 (26,360) | 11580 (25,535) | 11640 (25,665) | 11495 (25,350) | 11555 (25,480) |

- All dimensions, weights and performance values based on SAE J-732c and J-742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, steel cab, ROPS cab and operator.
- Machine stability and operating weight are affected by counterweight, tire size and other attachments. Apply the following weight changes to operating weight and static tipping load.

| **Weight Changes** | Change in operating weight kg (lb) | Change in tipping load kg (lb) | |
|---|---|---|---|
| | | Straight | Full turn |
| Remove ROPS cab | –670 (–1,475) | –610 (–1,345) | –590 (–1,300) |
| Install additional counterweight 325 kg (715 lb) | +325 (+715) | +830 (+1,835) | +690 (+1,520) |

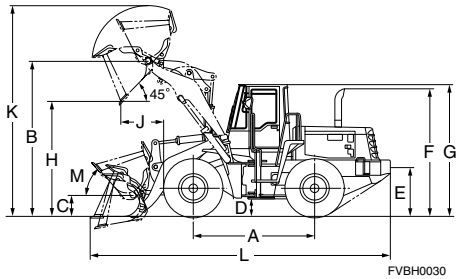


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## WA380-3




Unit: mm (ft.in)

| | | 20.5-25 tires | 23.5-25 tires |
|---|---|---|---|
| | Tread | 2160 (7'1") | 2160 (7'1") |
| | Width over tires | 2695 (8'10") | 2780 (9'1") |
| A | Wheelbase | 3200 (10'6") | 3200 (10'6") |
| B | Hinge pin height, max. height | 4030 (13'3") | 4095 (13'5") |
| C | Hinge pin height, carry position | 520 (1'8") | 505 (1'8") |
| D | Ground clearance | 390 (1'3") | 455 (1'6") |
| E | Hitch height | 1085 (3'7") | 1150 (3'9") |
| F | Overall height, top of the stack | 3280 (10'9") | 3345 (11') |
| G | Overall height, ROPS cab | 3315 (10'10") | 3380 (11'1") |
| M | Tilt back angle | 48° | |

### Measured with 20.5-25 tires

| Buckets | | I | II | III | IV |
|---|---|---|---|---|---|
| H. Dumping clearance, max. height and 45° dump angle** | | 2925 (9'7") | 2800 (9'2") | 3005 (9'10") | 2880 (9'5") |
| Reach at 2130 mm (7') cut edge clearance and 45° dump angle | | 1745 (5'9") | 1780 (5'10") | 1705 (5'7") | 1740 (5'9") |
| J. Reach at max. height and 45° dump angle** | | 1170 (3'10") | 1270 (4'2") | 1090 (3'7") | 1190 (3'11") |
| Reach with arm horizontal and bucket level | | 2590 (8'6") | 2745 (9') | 2480 (8'2") | 2635 (8'8") |
| K. Operating height (fully raised) | | 5455 (17'11") | 5455 (17'11") | 5310 (17'5") | 5310 (17'5") |
| L. Overall length* | | 7965 (26'2") | 8120 (26'8") | 7855 (25'9") | 8010 (26'3") |
| Turning radius | | 6430 (21'1") | 6470 (21'3") | 6400 (21'0") | 6440 (21'2") |
| Digging depth | 0° | 125 (4.9") | 145 (5.7") | 125 (4.9") | 145 (5.7") |
| | 10° | 345 (1'2") | 390 (1'3") | 325 (1'1") | 370 (1'3") |

### Measured with 23.5-25 tires

| Buckets | | I | II | III | IV |
|---|---|---|---|---|---|
| H. Dumping clearance, max. height and 45° dump angle** | | 2990 (9'10") | 2865 (9'5") | 3070 (10'1") | 2945 (9'8") |
| Reach at 2130 mm (7') cut edge clearance and 45° dump angle | | 1715 (5'8") | 1750 (5'9") | 1675 (5'6") | 1710 (5'7") |
| J. Reach at max. height and 45° dump angle** | | 1110 (3'8") | 1210 (4') | 1030 (3'5") | 1130 (3'8") |
| Reach with arm horizontal and bucket level | | 2530 (8'4") | 2685 (9') | 2420 (7'11") | 2575 (8'5") |
| K. Operating height (fully raised) | | 5520 (18'1") | 5520 (18'1") | 5375 (17'8") | 5375 (17'8") |
| L. Overall length | | 7905 (25'11") | 8060 (26'5") | 7795 (25'7") | 7950 (26'1") |
| Turning radius* | | 6405 (21'0") | 6455 (21'2") | 6375 (20'11") | 6415 (21'1") |
| Digging depth | 0° | 65 (2.6") | 80 (3.1") | 65 (2.6") | 80 (3.1") |
| | 10° | 280 (11") | 325 (1'1") | 260 (10.2") | 305 (1') |

* Bucket at carry, outside corner of bucket.
** At the end of teeth or B.O.C.

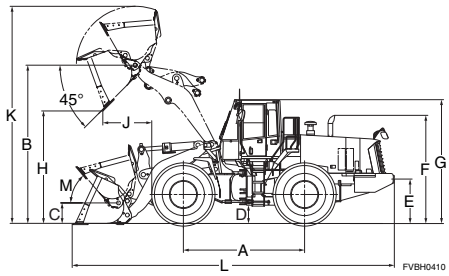


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## WA430-6




Unit: mm (ft.in)

| | | |
|---|---|---|
| | Tread | 2200 (7'3") |
| | Width over tires | 2820 (9'3") |
| A | Wheelbase | 3300 (10'10") |
| B | Hinge pin height, max. height | 4165 (13'8") |
| C | Hinge pin height, carry position | 520 (1'8") |
| D | Ground clearance | 455 (1'6") |
| E | Hitch height | 1150 (3'9") |
| F | Overall height, top of the stack | 2940 (9'8") |
| G | Overall height, ROPS cab | 3390 (11'1") |
| M | Tilt back angle | 46° |

### Measured with 20.5-25-16PR (L3) tires

| Bucket type | | | General Purpose Buckets | | Excavating Buckets | | | Light Material Bucket |
|---|---|---|---|---|---|---|---|---|
| | | | Bolt-on Cutting Edges | Teeth | Bolt-on Cutting Edges | Teeth and Segments | Teeth | Bolt-on Cutting Edges |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 3.5 (4.6) | 3.3 (4.3) | 3.3 (4.3) | 3.3 (4.3) | 3.1 (4.1) | 4.6 (6.0) |
| | Struck | $m^3$ ($yd^3$) | 3.0 (3.9) | 2.8 (3.7) | 2.8 (3.7) | 2.8 (3.7) | 2.6 (3.4) | 4.0 (5.2) |
| Bucket width | | mm (ft.in) | 3050 (10'0") | 3065 (10'1") | 3050 (10'0") | 3065 (10'1") | 3065 (10'1") | 3050 (10'0") |
| Bucket weight | | kg (lb) | 1735 (3,820) | 1665 (3,670) | 1810 (3,990) | 1870 (4,120) | 1740 (3,840) | 1990 (4,390) |
| Static tipping load | Straight | kg (lb) | 13980 (30,820) | 14320 (31,570) | 13955 (30,770) | 13885 (30,610) | 14150 (31,200) | 13665 (30,130) |
| | Full turn (40°) | kg (lb) | 12990 (28,640) | 13280 (29,280) | 12985 (28,630) | 12940 (28,530) | 13145 (28,980) | 12785 (28,190) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 3020 (9'11") | 2895 (9'6") | 3090 (10'2") | 2970 (9'9") | 2970 (9'9") | 2870 (9'5") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | 1835 (6'0") | 1870 (6'2") | 1795 (5'11") | 1835 (6'0") | 1835 (6'0") | 1910 (6'3") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1190 (3'11") | 1290 (4'3") | 1120 (3'8") | 1215 (4'0") | 1215 (4'0") | 1340 (4'5") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | 2685 (8'10") | 2840 (9'4") | 2580 (8'6") | 2735 (9'0") | 2735 (9'0") | 2895 (9'6") |
| K. Operating height (fully raised) | | mm (ft.in) | 5645 (18'6") | 5645 (18'6") | 5590 (18'4") | 5590 (18'4") | 5590 (18'4") | 5945 (19'6") |
| L. Overall length | | mm (ft.in) | 8305 (27'3") | 8460 (27'9") | 8200 (26'11") | 8355 (27'5") | 8355 (27'5") | 8515 (27'11") |
| Turning radius* | | mm (ft.in) | 7335 (24'1") | 7380 (24'3") | 7295 (23'11") | 7350 (24'1") | 7350 (24'1") | 7380 (24'3") |
| Digging depth | 0° | mm (ft.in) | 120 (4.7") | 135 (5.3") | 120 (4.7") | 135 (5.3") | 135 (5.3") | 120 (4.7") |
| | 10° | mm (ft.in) | 350 (1'2") | 395 (1'4") | 330 (1'1") | 375 (1'3") | 375 (1'3") | 385 (1'3") |
| Breakout force | | kN kgf (lb) | 180 18400 (40,565) | 194 19800 (43,650) | 196 20000 (44,090) | 198 20200 (44,530) | 213 21700 (47,840) | 155 15800 (34,830) |
| Operating weight | | kg (lb) | 18290 (40,320) | 18220 (40,170) | 18365 (40,490) | 18425 (40,620) | 18295 (40,330) | 18545 (40,880) |

* Bucket at carry, outside corner of bucket.
** At the end of tooth or B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments. Apply the following weight changes to operating weight and static tipping load.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Ground Clearance | | Change in Vertical Dimensions | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in |
| 23.5-25-16PR (L3) | 0 | 0 | 0 | 0 | 0 | 0 | 2820 | 9'3" | 455 | 1'6" | 0 | 0" |
| 26.5-25-16PR (L3) | +420 | +925 | +330 | +730 | +290 | +640 | 2940 | 9'8" | 620 | 2'0" | +65 | +2.6" |
| Install additional counterweight | +340 | +750 | +860 | +1,900 | +720 | +1,590 | | | | | | |

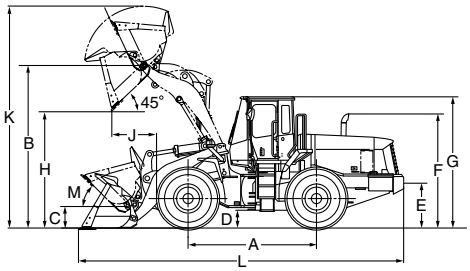


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## WA430-5




Unit: mm (ft.in)

| | | |
|---|---|---|
| | Tread | 2200 (7'3") |
| | Width over tires | 2820 (9'3") |
| A | Wheelbase | 3350 (11'0") |
| B | Hinge pin height, max. height | 4250 (13'11") |
| C | Hinge pin height, carry position | 520 (1'8") |
| D | Ground clearance | 460 (1'6") |
| E | Hitch height | 1150 (3'9") |
| F | Overall height, top of the stack | 2965 (9'9") |
| G | Overall height, ROPS cab | 3380 (11'1") |
| M | Tilt back angle | 50° |

### Measured with 20.5-25-16PR (L3) tires

| Bucket type | | | General Purpose Buckets | | Excavating Buckets | | | Light Material Bucket | Rock Bucket |
|---|---|---|---|---|---|---|---|---|---|
| | | | Bolt-on Cutting Edges | Teeth | Bolt-on Cutting Edges | Teeth and Segments | Teeth | Bolt-on Cutting Edges | Teeth |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 3.7 (4.8) | 3.5 (4.6) | 3.3 (4.3) | 3.3 (4.3) | 3.1 (4.1) | 4.6 (6.0) | 3.1 (4.1) |
| | Struck | $m^3$ ($yd^3$) | 3.2 (4.2) | 3.0 (3.9) | 2.8 (3.7) | 2.8 (3.7) | 2.6 (3.4) | 4.0 (5.2) | 2.7 (3.5) |
| Bucket width | | mm (ft.in) | 3050 (10'0") | 3065 (10'1") | 3050 (10'0") | 3065 (10'1") | 3065 (10'1") | 3050 (10'0") | 3050 (10'0") |
| Bucket weight | | kg (lb) | 1745 (3,847) | 1670 (3,682) | 1835 (4,045) | 1885 (4,156) | 1760 (3,880) | 1980 (4,365) | 1830 (4,034) |
| Static tipping load | Straight | kg (lb) | 13800 (30,423) | 13875 (30,589) | 13710 (30,225) | 13660 (30,115) | 13785 (30,390) | 13565 (29,905) | 13715 (30,236) |
| | Full turn (40°) | kg (lb) | 12000 (26,445) | 12075 (26,621) | 11910 (26,257) | 11860 (26,147) | 11985 (26,422) | 11765 (25,937) | 11915 (26,268) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 3125 (10'3") | 3000 (9'10") | 3175 (10'5") | 3055 (10'0") | 3055 (10'0") | 2955 (9'8") | 2890 (9'6") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | 2615 (8'7") | 2660 (8'9") | 2585 (8'6") | 2630 (8'8") | 2630 (8'8") | 2710 (8'11") | 2730 (8'11") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1110 (3'8") | 1210 (4'0") | 1055 (3'6") | 1155 (3'9") | 1155 (3'9") | 1280 (4'2") | 1335 (4'5") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | 3425 (11'3") | 3585 (11'9") | 3350 (11'0") | 3505 (11'6") | 3505 (11'6") | 3665 (12'0") | 3750 (12'4") |
| K. Operating height (fully raised) | | mm (ft.in) | 5825 (19'1") | 5825 (19'1") | 5745 (18'10") | 5745 (18'10") | 5745 (18'10") | 6085 (20'0") | 5745 (18'10") |
| L. Overall length | | mm (ft.in) | 8375 (27'6") | 8530 (28'0") | 8295 (27'3") | 8455 (27'9") | 8455 (27'9") | 8610 (28'3") | 8700 (28'7") |
| Turning radius* | | mm (ft.in) | 6720 (22'1") | 6765 (22'2") | 6685 (21'11") | 6743 (22'1") | 6743 (22'1") | 6775 (22'3") | 6743 (22'1") |
| Digging depth | 0° | mm (ft.in) | 120 (4.7") | 135 (5.3") | 120 (4.7") | 135 (5.3") | 135 (5.3") | 120 (4.7") | 125 (4.9") |
| | 10° | mm (ft.in) | 345 (1'2") | 390 (1'3") | 335 (1'1") | 375 (1'3") | 375 (1'3") | 385 (1'3") | 410 (1'4") |
| Breakout force | | kN kgf (lb) | 180 18400 (40,565) | 195 19900 (43,870) | 193 19700 (43,430) | 195 19900 (43,870) | 209 21300 (46,960) | 151 15400 (33,950) | 173 17600 (38,800) |
| Operating weight | | kg (lb) | 18350 (40,455) | 18275 (40,290) | 18440 (40,655) | 18490 (40,765) | 18365 (40,485) | 18585 (40,970) | 18435 (40,640) |

* Bucket at carry, outside corner of bucket.
** At the end of tooth or B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments. Apply the following weight changes to operating weight and static tipping load.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Ground Clearance | | Change in Vertical Dimensions | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in |
| 23.5-25-16PR (L3) | 0 | 0 | 0 | 0 | 0 | 0 | 2820 | 9'3" | 460 | 1'6" | 0 | 0" |
| 26.5-25-16PR (L3) | +420 | +925 | +330 | +730 | +290 | +640 | 2940 | 9'8" | 525 | 1'9" | +65 | +2.6" |
| Remove ROPS cab | –660 | –1,455 | –635 | –1,400 | –605 | –1,335 | | | | | | |
| Install front/rear compartment | +120 | +265 | +115 | +255 | +110 | +245 | | | | | | |
| Install additional counterweight | +325 | +715 | +880 | +1,940 | +735 | +1,620 | | | | | | |

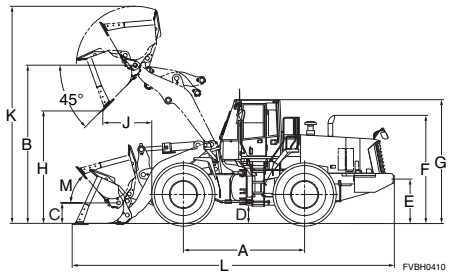


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## WA470-6




Unit: mm (ft.in)

| | | |
|---|---|---|
| | Tread | 2300 (7'7") |
| | Width over tires | 3010 (9'11") |
| A | Wheelbase | 3450 (11'4") |
| B | Hinge pin height, max. height | 4360 (14'4") |
| C | Hinge pin height, carry position | 585 (1'11") |
| D | Ground clearance | 525 (1'9") |
| E | Hitch height | 1240 (4'1") |
| F | Overall height, top of the stack | 3080 (10'1") |
| G | Overall height, ROPS cab | 3500 (11'6") |
| M | Tilt back angle | 50° |

### Measured with 26.5-25-16PR (L3) tires

| Bucket type | | | General Purpose Buckets | | | | | Rock Bucket | Loose Material Bucket | Light Material Bucket |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Stockpile | | Excavating | | | | | |
| | | | Bolt-on Cutting Edges | Teeth | Bolt-on Cutting Edges | Teeth and Segments | Teeth | Teeth | Bolt-on Cutting Edges | Bolt-on Cutting Edges |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 4.2 (5.5) | 3.9 (5.1) | 3.8 (5.0) | 3.8 (5.0) | 3.6 (4.7) | 3.6 (4.7) | 4.4 (5.8) | 5.2 (6.8) |
| | Struck | $m^3$ ($yd^3$) | 3.5 (4.6) | 3.3 (4.3) | 3.2 (4.2) | 3.2 (4.2) | 3.1 (4.1) | 3.1 (4.1) | 3.9 (5.1) | 4.5 (5.9) |
| Bucket width | | mm (ft.in) | 3170 (10'5") | 3190 (10'6") | 3170 (10'5") | 3190 (10'6") | 3190 (10'6") | 3170 (10'5") | 3170 (10'5") | 3170 (10'5") |
| Bucket weight | | kg (lb) | 2050 (4,519) | 1970 (4,343) | 2150 (4,740) | 2200 (4,850) | 2070 (4,564) | 2165 (4,773) | 2110 (4,652) | 2185 (4,817) |
| Static tipping load | Straight | kg (lb) | 18295 (40,330) | 18370 (40,500) | 18205 (40,130) | 18160 (40,040) | 18275 (40,290) | 18190 (40,100) | 18240 (40,210) | 18175 (40,070) |
| | Full turn (40°) | kg (lb) | 15720 (34,660) | 15795 (34,820) | 15630 (34,460) | 15585 (34,360) | 15705 (34,620) | 15615 (34,420) | 15665 (34,530) | 15600 (34,390) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 3185 (10'5") | 3060 (10'0") | 3235 (10'7") | 3110 (10'2") | 3110 (10'2") | 2975 (9'9") | 3055 (10'0") | 3035 (9'11") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | 1935 (6'4") | 1975 (6'6") | 1905 (6'3") | 1950 (6'5") | 1950 (6'5") | 2035 (6'8") | 2010 (6'7") | 2020 (6'8") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1235 (4'1") | 1335 (4'5") | 1185 (3'11") | 1285 (4'3") | 1285 (4'3") | 1435 (4'8") | 1365 (4'6") | 1385 (4'7") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | 2755 (9'0") | 2910 (9'7") | 2685 (8'10") | 2840 (9'4") | 2840 (9'4") | 3040 (10'0") | 2940 (9'8") | 2965 (9'9") |
| K. Operating height (fully raised) | | mm (ft.in) | 5960 (19'7") | 5960 (19'7") | 5875 (19'3") | 5875 (19'3") | 5875 (19'3") | 5875 (19'3") | 5960 (19'7") | 6185 (20'4") |
| L. Overall length | | mm (ft.in) | 8825 (28'11") | 8980 (29'6") | 8755 (28'9") | 8910 (29'3") | 8910 (29'3") | 9210 (30'3") | 9010 (29'7") | 9035 (29'8") |
| Turning radius* | | mm (ft.in) | 7640 (25'1") | 7690 (25'3") | 7620 (25'0") | 7670 (25'2") | 7670 (25'2") | 7640 (25'1") | 7685 (25'3") | 7690 (25'3") |
| Digging depth | 0° | mm (ft.in) | 80 (3.1") | 100 (3.9") | 80 (3.1") | 100 (3.9") | 100 (3.9") | 85 (3.3") | 80 (3.1") | 80 (3.1") |
| | 10° | mm (ft.in) | 315 (1'0") | 360 (1'2") | 305 (1'0") | 350 (1'2") | 350 (1'2") | 370 (1'3") | 345 (1'2") | 350 (1'2") |
| Breakout force | | kN kgf (lb) | 192 19600 (43,160) | 207 21120 (46,560) | 203 20710 (45,660) | 209 21330 (47,020) | 220 22450 (49,490) | 190 19390 (42,750) | 168 17140 (37,790) | 165 16840 (37,130) |
| Operating weight | | kg (lb) | 22960 (50,620) | 22880 (50,440) | 23060 (50,840) | 23110 (50,950) | 22980 (50,660) | 23075 (50,870) | 23,020 (50,750) | 23095 (50,910) |

* Bucket at carry, outside corner of bucket.
** At the end of tooth or B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments. Apply the following weight changes to operating weight and static tipping load.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Ground Clearance | | Change in Vertical Dimensions | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in |
| 23.5-25-20PR (L3) | –305 | –672 | –240 | –529 | –210 | –463 | 2920 | 9'7" | 460 | 1'6" | –65 | –3" |
| 23.5-25-20PR (L2) | –615 | –1355 | –480 | –1058 | –420 | –926 | 2920 | 9'7" | 460 | 1'6" | –65 | –3" |
| 26.5-25-16PR (L3) | 0 | 0 | 0 | 0 | 0 | 0 | 3010 | 9'11" | 525 | 1'9" | 0 | 0" |
| 26.5-25-20PR (L4) | +425 | +937 | +330 | +728 | +290 | +639 | 3010 | 9'11" | 525 | 1'9" | 0 | 0" |
| Install additional counterweight | +400 | +880 | +1070 | +2,358 | +930 | +2,050 | | | | | | |

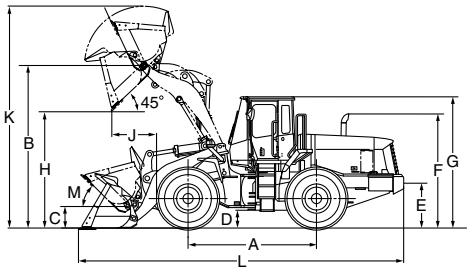


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## WA470-5




Unit: mm (ft.in)

| | | |
|---|---|---|
| | Tread | 2300 (7'7") |
| | Width over tires | 3010 (9'11") |
| A | Wheelbase | 3450 (11'4") |
| B | Hinge pin height, max. height | 4360 (14'4") |
| C | Hinge pin height, carry position | 585 (1'11") |
| D | Ground clearance | 525 (1'9") |
| E | Hitch height | 1240 (4'1") |
| F | Overall height, top of the stack | 3080 (10'1") |
| G | Overall height, ROPS cab | 3460 (11'4") |
| M | Tilt back angle | 50° |

### Measured with 26.5-25-20PR (L3) tires

| Bucket type | | | General Purpose Buckets | | | | |
|---|---|---|---|---|---|---|---|
| | | | Stockpile | | Excavating | | |
| | | | Bolt-on Cutting Edges | Teeth | Bolt-on Cutting Edges | Teeth and Segments | Teeth |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 4.2 (5.5) | 3.9 (5.1) | 3.8 (5.0) | 3.8 (5.0) | 3.6 (4.7) |
| | Struck | $m^3$ ($yd^3$) | 3.5 (4.6) | 3.3 (4.3) | 3.2 (4.2) | 3.2 (4.2) | 3.1 (4.1) |
| Bucket width | | mm (ft.in) | 3170 (10'5") | 3190 (10'6") | 3170 (10'5") | 3190 (10'6") | 3190 (10'6") |
| Bucket weight | | kg (lb) | 2005 (4,420) | 1930 (4,255) | 2150 (4,740) | 2200 (4,850) | 2070 (4,564) |
| Static tipping load | Straight | kg (lb) | 17215 (37,950) | 17295 (38,130) | 17005 (37,490) | 16955 (37,380) | 17085 (37,665) |
| | Full turn (40°) | kg (lb) | 14975 (33,015) | 15055 (33,190) | 14770 (32,560) | 14720 (32,450) | 14850 (32,740) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 3185 (10'5") | 3060 (10'0") | 3235 (10'7") | 3110 (10'2") | 3110 (10'2") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | 1910 (6'3") | 1950 (6'5") | 1880 (6'2") | 1925 (6'4") | 1925 (6'4") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1235 (4'1") | 1335 (4'5") | 1185 (3'11") | 1285 (4'3") | 1285 (4'3") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | 2750 (9'0") | 2905 (9'6") | 2680 (8'10") | 2835 (9'4") | 2835 (9'4") |
| K. Operating height (fully raised) | | mm (ft.in) | 5960 (19'7") | 5960 (19'7") | 5875 (19'3") | 5875 (19'3") | 5875 (19'3") |
| L. Overall length | | mm (ft.in) | 8765 (28'9") | 8920 (29'3") | 8695 (28'6") | 8850 (29'0") | 8850 (29'0") |
| Turning radius* | | mm (ft.in) | 6980 (22'11") | 7040 (23'1") | 6965 (22'10") | 7020 (23'0") | 7020 (23'0") |
| Digging depth | 0° | mm (ft.in) | 80 (3.1") | 100 (3.9") | 80 (3.1") | 100 (3.9") | 100 (3.9") |
| | 10° | mm (ft.in) | 315 (1'0") | 360 (1'2") | 305 (1'0") | 350 (1'2") | 350 (1'2") |
| Breakout force | | kN kgf (lb) | 192 19580 (43,162) | 207 21110 (46,534) | 203 20710 (45,634) | 209 21320 (46,983) | 220 22440 (49,456) |
| Operating weight | | kg (lb) | 22165 (48,865) | 22085 (48,690) | 22205 (48,955) | 22315 (49,195) | 22185 (48,910) |

* Bucket at carry, outside corner of bucket.
** At the end of tooth or B.O.C.
- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments. Apply the following weight changes to operating weight and static tipping load.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Ground Clearance | | Change in Vertical Dimensions | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in |
| 26.5-25-20PR (L3) | 0 | 0 | 0 | 0 | 0 | 0 | 3010 | 9'11" | 525 | 1'9" | 0 | 0" |
| 26.5-25-16PR (L3) | –70 | –155 | –50 | –110 | –45 | –100 | 3010 | 9'11" | 525 | 1'9" | 0 | 0" |
| 26.5-25-20PR (L4) | +355 | +780 | +270 | +595 | +235 | +520 | 3010 | 9'11" | 525 | 1'9" | 0 | 0" |
| 26.5-R25 (L3) | +115 | +235 | +90 | +200 | +75 | +165 | 3010 | 9'11" | 525 | 1'9" | 0 | 0" |
| 23.5-25-20PR (L3) | –460 | –1,015 | –350 | –770 | –300 | –660 | 2920 | 9'7" | 460 | 1'6" | –65 | –3" |
| 23.5-25-20PR (L2) | –775 | –1,710 | –585 | –1,290 | –505 | –1,115 | 2920 | 9'7" | 460 | 1'6" | –65 | –3" |
| Remove ROPS cab with A/C | –730 | –1,610 | –670 | –1,475 | –585 | –1,290 | | | | | | |
| Install additional counterweight | +400 | +880 | +1030 | +2,270 | +860 | +1,895 | | | | | | |

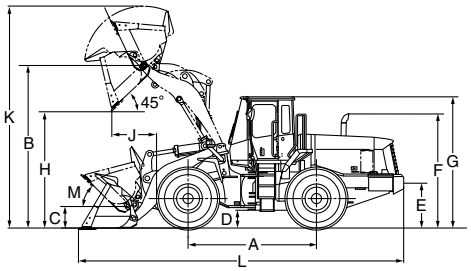


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## WA470-5




Unit: mm (ft.in)

| | | |
|---|---|---|
| | Tread | 2300 (7'7") |
| | Width over tires | 3010 (9'11") |
| A | Wheelbase | 3450 (11'4") |
| B | Hinge pin height, max. height | 4360 (14'4") |
| C | Hinge pin height, carry position | 585 (1'11") |
| D | Ground clearance | 525 (1'9") |
| E | Hitch height | 1240 (4'1") |
| F | Overall height, top of the stack | 3080 (10'1") |
| G | Overall height, ROPS cab | 3460 (11'4") |
| M | Tilt back angle | 50° |

### Measured with 26.5-25-20PR (L3) tires

| Bucket type | | | Rock Bucket | Loose Material Bucket | | Light Material Bucket |
|---|---|---|---|---|---|---|
| | | | Teeth | Bolt-on Cutting Edges | Teeth | Bolt-on Cutting Edges |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 3.6 (4.7) | 4.6 (6.0) | 4.3 (5.6) | 5.2 (6.8) |
| | Struck | $m^3$ ($yd^3$) | 3.1 (4.1) | 3.9 (5.1) | 3.7 (4.8) | 4.5 (5.9) |
| Bucket width | | mm (ft.in) | 3170 (10'5") | 3170 (10'5") | 3190 (10'6") | 3170 (10'5") |
| Bucket weight | | kg (lb) | 2165 (4,773) | 2110 (4,652) | 2030 (4,465) | 2185 (4,817) |
| Static tipping load | Straight | kg (lb) | 16990 (37,455) | 17045 (37,575) | 17125 (37,755) | 16970 (37,410) |
| | Full turn (40°) | kg (lb) | 14755 (32,530) | 14810 (32,650) | 14890 (32,825) | 14735 (32,485) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2975 (9'9") | 3055 (10'0") | 2930 (9'7") | 3035 (9'11") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | 2010 (6'7") | 1980 (6'6") | 2020 (6'8") | 1990 (6'6") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1435 (4'8") | 1365 (4'6") | 1465 (4'10") | 1385 (4'7") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | 3035 (9'11") | 2935 (9'8") | 3090 (10'2") | 2960 (9'9") |
| K. Operating height (fully raised) | | mm (ft.in) | 5875 (19'3") | 5960 (19'7") | 5960 (19'7") | 6185 (20'4") |
| L. Overall length | | mm (ft.in) | 9050 (29'8") | 8950 (29'4") | 9105 (29'10") | 8975 (29'5") |
| Turning radius* | | mm (ft.in) | 6985 (22'11") | 7030 (23'1") | 7090 (23'3") | 7040 (23'1") |
| Digging depth | 0° | mm (ft.in) | 85 (3.3") | 60 (2.4") | 80 (3.1") | 60 (2.4") |
| | 10° | mm (ft.in) | 370 (1'3") | 345 (1'2") | 390 (1'3") | 350 (1'2") |
| Breakout force | | kN kgf (lb) | 190 19380 (42,712) | 168 17140 (37,766) | 183 18670 (41,140) | 165 16830 (37,092) |
| Operating weight | | kg (lb) | 22280 (49,120) | 22225 (48,995) | 22145 (48,820) | 22300 (49,165) |

* Bucket at carry, outside corner of bucket.
** At the end of tooth or B.O.C.
- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments. Apply the following weight changes to operating weight and static tipping load.



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## WA470-3

| | | Capacity Heaped $m^3$(cu.yd) | Struck $m^3$ (cu.yd) | Bucket width mm (ft.in) | Bucket weight kg (lb) | Breakout force kgf (lb) |
|---|---|---|---|---|---|---|
| I | General-purpose bucket with bolt-on cutting edges; (Loading and excavating of soil, sand and variety of other commonly handled materials.) | 4.2 (5.5) | 3.6 (4.7) | 3170 (10'5") | 2090 (4,610) | 19600 (43,200) |
| II | General-purpose bucket with teeth | 3.9 (5.1) | 3.4 (4.45) | 3190 (10'6") | 2015 (4,440) | 21100 (46,500) |
| III | Excavating bucket with bolt-on cutting edges | 3.8 (5.0) | 3.3 (4.3) | 3170 (10'5") | 2200 (4,850) | 20700 (45,600) |
| IV | Excavating bucket with teeth (Loading and excavating of crushed rock and blasted rock.) | 3.6 (4.7) | 3.1 (4.05) | 3190 (10'6") | 2130 (4,700) | 22400 (49,400) |
| V | Light material bucket with bolt-on cutting edges; (A Lighter-weight, large-capacity bucket.) | 5.2 (6.8) | 4.5 (5.9) | 3170 (10'5") | 2330 (5,140) | 16800 (37,000) |
| VI | Rock bucket with teeth ; (Spade nose). (Loading and excavating of blasted rock) | 3.5 (4.6) | 3.0 (3.9) | 3170 (10'5") | 2120 (4,670) | 18600 (41,000) |

| | Operating weight kg(lb) | | | |
|---|---|---|---|---|
| Tires/Buckets | I | II | III | IV |
| 23.5-25-20PR (L-2) | 21610 (47,650) | 21535 (47,485) | 21700 (47,850) | 21630 (47,695) |
| 23.5-25-20PR (L-3) | 21920 (48,335 | 21845 (48,170) | 22010 (48,535) | 21940 (48,380) |
| 26.5-25-16PR (L-3) | 22225 (49,005 | 22150 (48,845) | 22315 (49,205) | 22245 (49,050) |
| 26.5-25-20PR (L-4) | 22650 (49,945 | 22575 (49,780) | 22740 (50,145) | 22670 (49,990) |
| 26.5-25-20PR (L-5) | 23050 (50,815 | 22975 (50,650) | 23140 (51,015) | 23070 (50,860) |

| | Static tipping load kg(lb) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Straight | | | | 35° turn | | | | 40° full turn | | | |
| Tires/Buckets | I | II | III | IV | I | II | III | IV | I | II | III | IV |
| 23.5-25-20PR (L-2) | 16365 (36,090) | 16440 (36,250) | 16080 (35,455) | 16150 (35,610) | 14695 (32,405) | 14765 (32,555) | 14440 (31,840) | 14500 (31,980) | 14205 (31,325) | 14270 (31,465) | 13960 (30,775) | 14020 (30,910) |
| 23.5-25-20PR (L-3) | 16600 (36,765) | 16675 (36,765) | 16310 (35,965) | 16380 (36,120) | 14905 (33,015) | 14970 (33,015) | 14650 (32,300) | 14710 (32,435) | 14400 (31,750) | 14470 (31,910) | 14160 (31,220) | 14220 (31,350) |
| 26.5-25-16PR (L-3) | 16830 (37,275) | 16905 (37,275) | 16540 (36,470) | 16610 (36,620) | 15115 (33,470) | 15180 (33,470) | 14850 (32,750) | 14915 (32,885) | 14610 (32,215) | 14670 (32,355) | 14355 (31,655) | 14415 (31,785) |
| 26.5-25-20PR (L-4) | 17150 (37,980) | 17225 (37,980) | 16855 (37,170) | 16925 (37,320) | 15400 (34,105) | 15470 (34,105) | 15135 (33,380) | 15200 (33,515) | 14890 (32,830) | 14950 (32,965) | 14630 (32,260) | 14690 (32,395) |
| 26.5-25-20PR (L-5) | 17480 (38,535) | 17555 (38,700) | 17190 (37,900) | 17260 (38,050) | 15695 (34,600) | 15760 (34,745) | 15440 (34,040) | 15500 (34,170) | 15180 (33,465) | 15250 (33,620) | 14940 (32,935) | 15000 (33,070) |

- All dimensions, weights and performance values based on SAE J-732c and J-742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, steel cab, ROPS cab and operator.
- Machine stability and operating weight are affected by counterweight, tire size and other attachments. Apply the following weight changes to operating weight and static tipping load.

| **Weight Changes** | Change in operating weight kg (lb) | Change in tipping load kg (lb) | |
|---|---|---|---|
| | | Straight | Full turn |
| Remove ROPS cab | –670 (–1,475) | –600 (–1,325) | –580 (–1,280) |
| Install additional counterweight | +400 (+885) | +1010 (+2,220) | +845 (+1,865) |

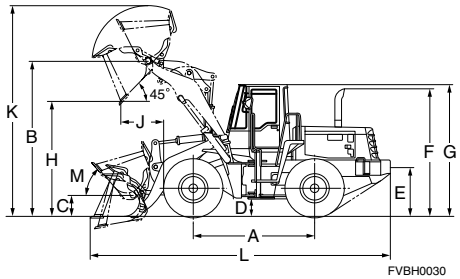


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## WA470-3




Unit: mm (ft.in)

| | | 23.5-25 tires | 26.5-25 tires |
|---|---|---|---|
| | Tread | 2300 (7'7") | 2300 (7'7") |
| | Width over tires | 2920 (9'7") | 3010 (9'10") |
| A | Wheelbase | 3400 (11'2") | 3400 (11'2") |
| B | Hinge pin height, max. height | 4295 (14'1") | 4230 (14'4") |
| C | Hinge pin height, carry position | 590 (1'11") | 570 (1'10") |
| D | Ground clearance | 460 (1'6") | 525 (1'9") |
| E | Hitch height | 1175 (3'10") | 1240 (4'1") |
| F | Overall height, top of the stack | 3385 (11'1") | 3450 (11'4") |
| G | Overall height, ROPS cab | 3395 (11'2") | 3460 (11'4") |
| M | Tilt back angle | 48° | |

### Measured with 23.5-25 tires

| Buckets | | I | II | III | IV |
|---|---|---|---|---|---|
| H. Dumping clearance, max. height and 45° dump angle** | | 3120 (10'3") | 2995 (9'10") | 3170 (10'5") | 3045 (10') |
| Reach at 2130 mm (7') cut edge clearance and 45° dump angle | | 1885 (6'2") | 1920 (6'4") | 1860 (6'1") | 1900 (6'3") |
| J. Reach at max. height and 45° dump angle** | | 1255 (4'1") | 1355 (4'5") | 1205 (3'11") | 1305 (4'3") |
| Reach with arm horizontal and bucket level | | 2770 (9'1") | 2930 (9'7") | 2700 (8'10") | 2860 (9'5") |
| K. Operating height (fully raised) | | 5895 (19'4") | 5895 (19'4") | 5850 (19'2") | 5850 (19'2") |
| L. Overall length | | 8690 (28'6") | 8845 (29') | 8620 (28'3") | 8775 (28'9") |
| Turning radius* | | 6890 (22'7") | 6960 (22'10") | 6870 (22'7") | 6920 (22'8") |
| Digging depth | 0° | 145 (5.7") | 165 (6.5") | 145 (5.7") | 165 (6.5") |
| | 10° | 380 (1'3") | 420 (1'5") | 365 (1'2") | 410 (1'4") |

### Measured with 26.5-25 tires

| Buckets | | I | II | III | IV |
|---|---|---|---|---|---|
| H. Dumping clearance, max. height and 45° dump angle* | | 3185 (10'5") | 3060 (10') | 3235 (10'7") | 3110 (10'2") |
| Reach at 2130 mm (7') cut edge clearance and 45° dump angle | | 1850 (6'1") | 1885 (6'2") | 1825 (6') | 1865 (6'1") |
| J. Reach at max. height and 45° dump angle* | | 1195 (3'11") | 1295 (4'3") | 1145 (3'9") | 1245 (4'1") |
| Reach with arm horizontal and bucket level | | 2705 (8'11") | 2860 (9'5") | 2635 (8'8") | 2790 (9'2") |
| K. Operating height (fully raised) | | 5960 (19'7") | 5960 (19'7") | 5915 (19'5") | 5915 (19'5") |
| L. Overall length | | 8640 (28'4") | 8795 (28'10") | 8570 (28'1") | 8725 (28'8") |
| Turning radius* | | 6870 (22'6") | 6940 (22'9") | 6850 (22'6") | 6900 (22'8") |
| Digging depth | 0° | 80 (3.1") | 100 (3.9") | 80 (3.1") | 100 (3.9") |
| | 10° | 315 (1') | 355 (1'2") | 300 (1') | 345 (1'2") |

* Bucket at carry, outside corner of bucket.
** At the end of teeth or B.O.C.

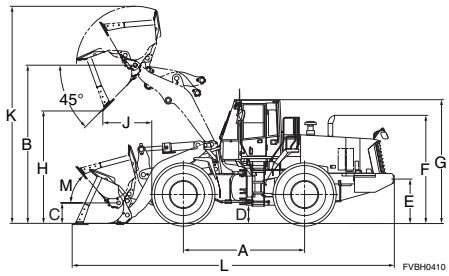


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## WA480-6




Unit: mm (ft.in)

| | | |
|---|---|---|
| | Tread | 2300 (7'7") |
| | Width over tires | 3010 (9'11") |
| A | Wheelbase | 3450 (11'4") |
| B | Hinge pin height, max. height | 4505 (14'9") |
| C | Hinge pin height, carry position | 585 (1'11") |
| D | Ground clearance | 525 (1'9") |
| E | Hitch height | 1240 (4'1") |
| F | Overall height, top of the stack | 3080 (10'1") |
| G | Overall height, ROPS cab | 3500 (11'6") |
| M | Tilt back angle | 52° |

### Measured with 26.5-25-20PR (L3) tires

| Bucket type | | | General Purpose Buckets | | | | | Loose Material Bucket | Light Material Bucket |
|---|---|---|---|---|---|---|---|---|---|
| | | | Stockpile | | Excavating | | | | |
| | | | Bolt-on Cutting Edges | Teeth | Bolt-on Cutting Edges | Teeth and Segments | Teeth | Bolt-on Cutting Edges | Bolt-on Cutting Edges |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 4.6 (6.0) | 4.3 (5.6) | 4.1 (5.4) | 4.1 (5.4) | 3.8 (5.0) | 4.9 (6.4) | 6.1 (8.0) |
| | Struck | $m^3$ ($yd^3$) | 4.0 (5.2) | 3.8 (5.0) | 3.5 (4.6) | 3.5 (4.6) | 3.2 (4.2) | 4.2 (5.5) | 5.2 (6.8) |
| Bucket width | | mm (ft.in) | 3170 (10'5") | 3190 (10'6") | 3170 (10'5") | 3190 (10'6") | 3190 (10'6") | 3170 (10'5") | 3170 (10'5") |
| Bucket weight | | kg (lb) | 2260 (4,982) | 2165 (4,773) | 2220 (4,894) | 2255 (4,971) | 2125 (4,685) | 2340 (5,159) | 2410 (5,313) |
| Static tipping load | Straight | kg (lb) | 20030 (44,160) | 20110 (44,330) | 20060 (44,220) | 20030 (44,160) | 20145 (44,410) | 19960 (44,000) | 19900 (43,870) |
| | Full turn (40°) | kg (lb) | 17125 (37,750) | 17205 (37,930) | 17160 (37,830) | 17130 (37,760) | 17240 (38,010) | 17055 (37,600) | 16995 (37,470) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 3205 (10'6") | 3080 (10'1") | 3320 (10'11") | 3195 (10'6") | 3195 (10'6") | 3150 (10'4") | 3080 (10'1") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | 2135 (7'0") | 2180 (7'2") | 2060 (6'9") | 2110 (6'11") | 2110 (6'11") | 2165 (7'1") | 2205 (7'3") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1410 (4'8") | 1510 (5'0") | 1295 (4'3") | 1395 (4'7") | 1395 (4'7") | 1465 (4'10") | 1535 (5'0") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | 3020 (9'11") | 3175 (10'5") | 2855 (9'4") | 3010 (9'11") | 3010 (9'11") | 3100 (10'2") | 3195 (10'6") |
| K. Operating height (fully raised) | | mm (ft.in) | 6175 (20'3") | 6175 (20'3") | 6025 (19'9") | 6025 (19'9") | 6025 (19'9") | 6175 (20'3") | 6450 (21'2") |
| L. Overall length | | mm (ft.in) | 9170 (30'1") | 9325 (30'7") | 9005 (29'7") | 9160 (30'1") | 9160 (30'1") | 9250 (30'4") | 9345 (30'8") |
| Turning radius* | | mm (ft.in) | 7700 (25'3") | 7750 (25'5") | 7655 (25'1") | 7710 (25'4") | 7710 (25'4") | 7720 (25'4") | 7745 (25'5") |
| Digging depth | 0° | mm (ft.in) | 90 (3.5") | 110 (4.3") | 90 (3.5") | 110 (4.3") | 110 (4.3") | 90 (3.5") | 90 (3.5") |
| | 10° | mm (ft.in) | 355 (1'2") | 400 (1'4") | 335 (1'1") | 380 (1'3") | 380 (1'3") | 375 (1'3") | 385 (1'3") |
| Breakout force | | kN kgf (lb) | 212 21600 (47,660) | 226 23100 (50,810) | 231 23600 (51,930) | 237 24200 (53,280) | 249 25400 (55,980) | 196 20000 (44,060) | 189 19300 (42,490) |
| Operating weight | | kg (lb) | 25005 (55,130) | 24910 (54,920) | 24965 (55,040) | 25000 (55,110) | 24870 (54,830) | 25085 (55,300) | 25155 (55,460) |

* Bucket at carry, outside corner of bucket.
** At the end of tooth or B.O.C

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.
  Apply the following weight changes to operating weight and static tipping load.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Ground Clearance | | Change in Vertical Dimensions | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in |
| 26.5-25-20PR (L3) | 0 | 0 | 0 | 0 | 0 | 0 | 3010 | 9'11" | 525 | 1'9" | 0 | 0" |
| 26.5-25-20PR (L4) | +360 | +794 | +250 | +551 | +220 | +485 | 3010 | 9'11" | 525 | 1'9" | 0 | 0" |
| Install additional counterweight | +400 | +880 | +980 | +2,160 | +850 | +1,873 | | | | | | |

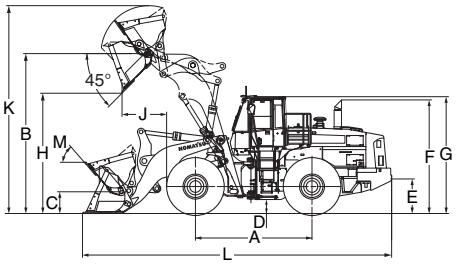


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## WA500-6




Unit: mm (ft.in)

| | | |
|---|---|---|
| | Tread | 2400 (7'10") |
| | Width over tires | 3190 (10'6") |
| A | Wheelbase | 3780 (12'5") |
| B | Hinge pin height, max. height | 4755 (15'7") |
| C | Hinge pin height, carry position | 575 (1'11") |
| D | Ground clearance | 450 (1'6") |
| E | Hitch height | 1115 (3'8") |
| F | Overall height, top of the stack | 3665 (12'0") |
| G | Overall height, ROPS cab | 3785 (12'5") |
| M | Tilt back angle | 50° |

### Measured with 29.5-25-22PR (L3) tires

| Bucket type | | | Standard boom | | | | |
|---|---|---|---|---|---|---|---|
| | | | General Purpose Buckets | | Excavating Buckets | | |
| | | | Straight edge Bolt-on Cutting Edges | Straight edge Teeth | Straight edge Bolt-on Cutting Edges | Straight edge Teeth and Segments | Straight edge Teeth |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 5.6 (7.3) | 5.3 (6.9) | 5.2 (6.8) | 5.2 (6.8) | 5.0 (6.5) |
| | Struck | $m^3$ ($yd^3$) | 4.8 (6.3) | 4.5 (5.9) | 4.2 (5.5) | 4.2 (5.5) | 4.0 (5.2) |
| Bucket width | | mm (ft.in) | 3400 (11'2") | 3460 (11'4") | 3400 (11'2") | 3460 (11'4") | 3460 (11'4") |
| Bucket weight | | kg (lb) | 3110 (6,855) | 2955 (6,515) | 3055 (6,735) | 3145 (6,935) | 2900 (6,395) |
| Static tipping load | Straight | kg (lb) | 23450 (51,700) | 23650 (52,140) | 23600 (52,030) | 23490 (51,785) | 22850 (50,375) |
| | Full turn (40°) | kg (lb) | 20400 (44,975) | 20575 (45,360) | 20500 (45,195) | 20405 (44,985) | 19870 (43,805) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 3295 (10'10") | 3165 (10'5") | 3395 (11'2") | 3265 (10'9") | 3265 (10'9") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | 2300 (7'7") | 2340 (7'8") | 2215 (7'3") | 2285 (7'6") | 2285 (7'6") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1500 (4'11") | 1600 (5'3") | 1400 (4'7") | 1495 (4'11") | 1495 (4'11") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | 3265 (10'9") | 3425 (11'3") | 3120 (10'3") | 3280 (10'9") | 3280 (10'9") |
| K. Operating height (fully raised) | | mm (ft.in) | 6430 (21'1") | 6430 (21'1") | 6415 (21'1") | 6415 (21'1") | 6415 (21'1") |
| L. Overall length | | mm (ft.in) | 9815 (32'2") | 9975 (32'9") | 9670 (31'9") | 9790 (32'1") | 9790 (32'1") |
| Turning radius* | | mm (ft.in) | 7650 (25'1") | 7730 (25'3") | 7610 (25'0") | 7690 (25'3") | 7690 (25'3") |
| Digging depth | 0° | mm (ft.in) | 135 (5") | 155 (6") | 135 (5") | 155 (6") | 155 (6") |
| | 10° | mm (ft.in) | 435 (1'5") | 485 (1'7") | 410 (1'4") | 460 (1'6") | 460 (1'6") |
| Breakout force | | kN<br>kgf<br>(lb) | 245<br>25000<br>(55,115) | 262<br>26750<br>(58,975) | 268<br>27300<br>(60,185) | 274<br>27950<br>(61,620) | 288<br>29400<br>(64,815) |
| Operating weight | | kg (lb) | 32220 (71,030) | 32065 (70,690) | 32165 (70,910) | 32255 (71,110) | 32010 (70,570) |

* Bucket at carry, outside corner of bucket.
** At the end of tooth or B.O.C
- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments. Apply the following weight changes to operating weight and static tipping load.

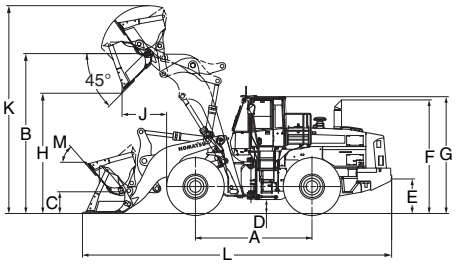


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## WA500-6




Unit: mm (ft.in)

| | | |
|---|---|---|
| | Tread | 2400 (7'10") |
| | Width over tires | 3190 (10'6") |
| A | Wheelbase | 3780 (12'5") |
| B | Hinge pin height, max. height | 4755 (15'7") |
| C | Hinge pin height, carry position | 575 (1'11") |
| D | Ground clearance | 450 (1'6") |
| E | Hitch height | 1115 (3'8") |
| F | Overall height, top of the stack | 3665 (12'0") |
| G | Overall height, ROPS cab | 3785 (12'5") |
| M | Tilt back angle | 50° |

### Measured with 29.5-25-22PR (L3) tires

| Bucket type | | | Standard boom | | High lift boom | | |
|---|---|---|---|---|---|---|---|
| | | | Rock Buckets | | Excavating Buckets | | |
| | | | Spade nose Teeth and Segments | Spade nose Teeth | Straight edge Bolt-on Cutting Edges | Straight edge Teeth and Segments | Straight edge Teeth |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 5.0 (6.5) | 4.7 (6.1) | 4.5 (5.9) | 4.5 (5.9) | 4.3 (5.6) |
| | Struck | $m^3$ ($yd^3$) | 4.2 (5.5) | 4.0 (5.2) | 3.7 (4.8) | 3.7 (4.8) | 3.5 (4.6) |
| Bucket width | | mm (ft.in) | 3460 (11'4") | 3460 (11'4") | 3400 (11'2") | 3460 (11'4") | 3460 (11'4") |
| Bucket weight | | kg (lb) | 3745 (8,255) | 3490 (7,695) | 2885(6,360) | 2975(6,560) | 2730(6,020) |
| Static tipping load | Straight | kg (lb) | 22850 (50,375) | 23170 (51,080) | 21555 (47,520) | 21440 (47,265) | 21745 (47,940) |
| | Full turn (40°) | kg (lb) | 19870 (43,805) | 20150 (44,425) | 18750 (41,335) | 18650 (41,115) | 18915 (41,700) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 3030 (9'11") | 3030 (9'11") | 3890 (12'9") | 3920 (12'10") | 3920 (12'10") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | 2400 (7'10") | 2400 (7'10") | 2585 (8'6") | 2645 (8'8") | 2645 (8'8") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1725 (5'8") | 1725 (5'8") | 1435 (4'8") | 1405 (4'7") | 1405 (4'7") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | 3610 (11'10") | 3610 (11'10") | 3385 (11'1") | 3545 (11'8") | 3545 (11'8") |
| K. Operating height (fully raised) | | mm (ft.in) | 6630 (21'9") | 6630 (21'9") | 6715 (22'0") | 6715 (22'0") | 6715 (22'0") |
| L. Overall length | | mm (ft.in) | 10155 (33'4") | 10155 (33'4") | 10030 (32'11") | 10190 (33'5") | 10190 (33'5") |
| Turning radius* | | mm (ft.in) | 7645 (25'1") | 7645 (25'1") | 7805 (25'7") | 7890 (25'11") | 7890 (25'11") |
| Digging depth | 0° | mm (ft.in) | 165 (6") | 165 (6") | 210 (8") | 235 (9") | 235 (9") |
| | 10° | mm (ft.in) | 525 (1'9") | 525 (1'9") | 470(1'7") | 520(1'8") | 520(1'8") |
| Breakout force | | kN<br>kgf<br>(lb) | 233<br>23800<br>(52,470) | 243<br>24750<br>(54,565) | 286<br>29,140<br>(64,245) | 294<br>30000<br>(66,140) | 310<br>31620<br>(69,710) |
| Operating weight | | kg (lb) | 32855 (72,435) | 32600 (71,870) | 33240 (73,280) | 33330 (73,480) | 33085 (72,940) |

* Bucket at carry, outside corner of bucket.
** At the end of tooth or B.O.C
- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.
  Apply the following weight changes to operating weight and static tipping load.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Ground Clearance | | Change in Vertical Dimensions | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in |
| 29.5-25-22PR (L3) | 0 | 0 | 0 | 0 | 0 | 0 | 3190 | 10'6" | 450 | 1'6" | 0 | 0" |
| Install additional counterweight | +900 | +1,985 | +1865 | +4,110 | +1645 | +3,625 | | | | | | |
| Air conditioner | +65 | +145 | +33 | +75 | +30 | +65 | | | | | | |
| Emegency steering | +70 | +155 | +65 | +145 | +55 | +120 | | | | | | |
| Lock-up clutch torque converter | +45 | +100 | +60 | +130 | +50 | +110 | | | | | | |
| ECCS (Electronically Controlled Suspension System) | +120 | +265 | +13 | +30 | +11 | +24 | | | | | | |

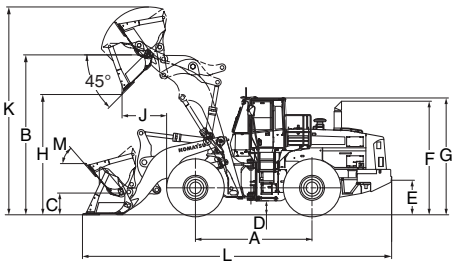


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## WA500-6R




Unit: mm (ft.in)

| | | |
|---|---|---|
| | Tread | 2400 (7'10") |
| | Width over tires | 3190 (10'6") |
| A | Wheelbase | 3780 (12'5") |
| B | Hinge pin height, max. height | 4755 (15'7") |
| C | Hinge pin height, carry position | 575 (1'11") |
| D | Ground clearance | 450 (1'6") |
| E | Hitch height | 1115 (3'8") |
| F | Overall height, top of the stack | 3665 (12'0") |
| G | Overall height, ROPS cab | 3785 (12'5") |
| M | Tilt back angle | 50° |

### Measured with 29.5-25-22PR (L3) tires

| Bucket type | | | Standard boom | | | | |
|---|---|---|---|---|---|---|---|
| | | | General Purpose Buckets | | Excavating Buckets | | |
| | | | Straight edge Bolt-on Cutting Edges | Straight edge Teeth | Straight edge Bolt-on Cutting Edges | Straight edge Teeth and Segments | Straight edge Teeth |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 5.6 (7.3) | 5.3 (6.9) | 5.2 (6.8) | 5.2 (6.8) | 5.0 (6.5) |
| | Struck | $m^3$ ($yd^3$) | 4.8 (6.3) | 4.5 (5.9) | 4.2 (5.5) | 4.2 (5.5) | 4.0 (5.2) |
| Bucket width | | mm (ft.in) | 3400 (11'2") | 3460 (11'4") | 3400 (11'2") | 3460 (11'4") | 3460 (11'4") |
| Bucket weight | | kg (lb) | 3110 (6,855) | 2955 (6,515) | 3055 (6,735) | 3145 (6,935) | 2900 (6,395) |
| Static tipping load | Straight | kg (lb) | 24300 (53,570) | 24500 (54,010) | 24450 (53,900) | 24340 (53,660) | 24655 (54,355) |
| | Full turn (40°) | kg (lb) | 21000 (46,295) | 21170 (46,670) | 21130 (46,580) | 21035 (46,370) | 21305 (46,965) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 3295 (10'10") | 3165 (10'5") | 3395 (11'2") | 3265 (10'9") | 3265 (10'9") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | 2300 (7'7") | 2340 (7'8") | 2215 (7'3") | 2285 (7'6") | 2285 (7'6") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1500 (4'11") | 1600 (5'3") | 1400 (4'7") | 1495 (4'11") | 1495 (4'11") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | 3265 (10'9") | 3425 (11'3") | 3120 (10'3") | 3280 (10'9") | 3280 (10'9") |
| K. Operating height (fully raised) | | mm (ft.in) | 6430 (21'1") | 6430 (21'1") | 6415 (21'1") | 6415 (21'1") | 6415 (21'1") |
| L. Overall length | | mm (ft.in) | 9815 (32'2") | 9975 (32'9") | 9670 (31'9") | 9790 (32'1") | 9790 (32'1") |
| Turning radius* | | mm (ft.in) | 7650 (25'1") | 7730 (25'3") | 7610 (25'0") | 7690 (25'3") | 7690 (25'3") |
| Digging depth | 0° | mm (ft.in) | 135 (5") | 155 (6") | 135 (5") | 155 (6") | 155 (6") |
| | 10° | mm (ft.in) | 435 (1'5") | 485 (1'7") | 410 (1'4") | 460 (1'6") | 460 (1'6") |
| Breakout force | | kN<br>kgf<br>(lb) | 245<br>25000<br>(55,115) | 262<br>26750<br>(58,975) | 268<br>27300<br>(60,185) | 274<br>27950<br>(61,620) | 288<br>29400<br>(64,815) |
| Operating weight | | kg (lb) | 33360 (73,545) | 33205 (73,200) | 33305 (73,425) | 33395 (73,620) | 33150 (73,080) |

* Bucket at carry, outside corner of bucket.
** At the end of tooth or B.O.C
- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.
  Apply the following weight changes to operating weight and static tipping load.

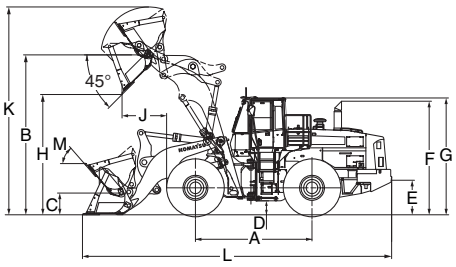


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## WA500-6R




Unit: mm (ft.in)

| | | |
|---|---|---|
| | Tread | 2400 (7'10") |
| | Width over tires | 3190 (10'6") |
| A | Wheelbase | 3780 (12'5") |
| B | Hinge pin height, max. height | 4755 (15'7") |
| C | Hinge pin height, carry position | 575 (1'11") |
| D | Ground clearance | 450 (1'6") |
| E | Hitch height | 1115 (3'8") |
| F | Overall height, top of the stack | 3665 (12'0") |
| G | Overall height, ROPS cab | 3785 (12'5") |
| M | Tilt back angle | 50° |

### Measured with 29.5-25-22PR (L3) tires

| Bucket type | | | Standard boom | | High lift boom | | |
|---|---|---|---|---|---|---|---|
| | | | Rock Buckets | | Excavating Buckets | | |
| | | | Spade nose Teeth and Segments | Spade nose Teeth | Straight edge Bolt-on Cutting Edges | Straight edge Teeth and Segments | Straight edge Teeth |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 5.0 (6.5) | 4.7 (6.1) | 4.5 (5.9) | 4.5 (5.9) | 4.3 (5.6) |
| | Struck | $m^3$ ($yd^3$) | 4.2 (5.5) | 4.0 (5.2) | 3.7 (4.8) | 3.7 (4.8) | 3.5 (4.6) |
| Bucket width | | mm (ft.in) | 3460 (11'4") | 3460 (11'4") | 3400 (11'2") | 3460 (11'4") | 3460 (11'4") |
| Bucket weight | | kg (lb) | 3745 (8,255) | 3490 (7,695) | 2885 (6,360) | 2975 (6,560) | 2730 (6,020) |
| Static tipping load | Straight | kg (lb) | 23700 (52,245) | 24020 (52,955) | 22405 (49,395) | 22290 (49,140) | 22595 (49,810) |
| | Full turn (40°) | kg (lb) | 20480 (45,150) | 20755 (45,755) | 19360 (42,680) | 19260 (42,460) | 19525 (43,045) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 3030 (9'11") | 3030 (9'11") | 3890 (12'9") | 3760 (12'4") | 3760 (12'4") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | 2400 (7'10") | 2400 (7'10") | 2585 (8'6") | 2645 (8'8") | 2645 (8'8") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1725 (5'8") | 1725 (5'8") | 1435 (4'8") | 1530 (5'0") | 1530 (5'0") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | 3610 (11'10") | 3610 (11'10") | 3385 (11'1") | 3545 (11'8") | 3545 (11'8") |
| Operating height (fully raised) | | mm (ft.in) | 6630 (21'9") | 6630 (21'9") | 6715 (22'0") | 6715 (22'0") | 6715 (22'0") |
| K. Overall length | | mm (ft.in) | 10155 (33'4") | 10155 (33'4") | 10030 (32'11") | 10190 (33'5") | 10190 (33'5") |
| L. Turning radius* | | mm (ft.in) | 7645 (25'1") | 7645 (25'1") | 7805 (25'7") | 7890 (25'11") | 7890 (25'11") |
| Digging depth | 0° | mm (ft.in) | 165 (6") | 165 (6") | 210 (8") | 235 (9") | 235 (9") |
| | 10° | mm (ft.in) | 525 (1'9") | 525 (1'9") | 470(1'7") | 520(1'8") | 520(1'8") |
| Breakout force | | kN<br>kgf<br>(lb) | 233<br>23800<br>(52,470) | 243<br>24750<br>(54,565) | 286<br>29,140<br>(64,245) | 294<br>30000<br>(66,140) | 310<br>31620<br>(69,710) |
| Operating weight | | kg (lb) | 33995 (75,945) | 33740 (74,380) | 34380 (75,795) | 34470 (75,990) | 34225 (75,450) |

* Bucket at carry, outside corner of bucket.
** At the end of tooth or B.O.C
- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments. Apply the following weight changes to operating weight and static tipping load.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Ground Clearance | | Change in Vertical Dimensions | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in |
| 29.5-25-22PR (L3) | 0 | 0 | 0 | 0 | 0 | 0 | 3190 | 10'6" | 450 | 1'6" | 0 | 0" |
| Install additional counterweight | +900 | +1,985 | +1865 | +4,110 | +1645 | +3,625 | | | | | | |
| Air conditioner | +65 | +145 | +33 | +75 | +30 | +65 | | | | | | |
| Emegency steering | +70 | +155 | +65 | +145 | +55 | +120 | | | | | | |
| Lock-up clutch torque converter | +45 | +100 | +60 | +130 | +50 | +110 | | | | | | |
| ECCS (Electronically Controlled Suspension System) | +120 | +265 | +13 | +30 | +11 | +24 | | | | | | |



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## WA500-3

| | Capacity Heaped $m^3$(cu.yd) | Struck $m^3$ (cu.yd) | Bucket width mm (ft.in) | Bucket weight kg (lb) | Breakout force kgf (lb) |
|---|---|---|---|---|---|
| I Excavating bucket (straight edge) with teeth | 4.3 (5.6) | 3.7 (4.8) | 3460 (11'4") | 2570 (5,670) | 27000 (59,520) |
| II Excavating bucket (spade nose) with tip teeth | 4.3 (5.6) | 3.7 (4.8) | 3400 (11'2") | 2960 (6,530) | 21780 (48,020) |
| III General-purpose bucket with bolt on cutting edge without teeth ; Loading stockpile products | 5.0 (6.5) | 4.3 (5.6) | 3400 (11'2") | 2760 (6,080) | 23700 (52,250) |
| IV Loose material bucket with bolt on cutting edge | 5.5 (7.2) | 4.7 (6.1) | 3400 (11'2") | 2880 (6,350) | 21200 (46,740) |

| | Operating weight kg(lb) | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Tires/Buckets | I | II | III | IV | | | | |
| 26.5-25-20PR (L3) | 28220 (62,210) | 28610 (63,070) | 28410 (62,630) | 27910 (61,530) | | | | |
| 29.5-25-22PR (L3) | 28770 (63,430) | 29160 (64,290) | 28960 (63,850) | 28460 (62,750) | | | | |
| 26.5-25-20PR (L4) | 28620 (63,100) | 29010 (63,960) | 28810 (63,520) | 28310 (62,420) | | | | |
| 26.5-25-20PR (L5) | 28980 (63,890) | 29370 (64,750) | 29170 (64,310) | 28670 (63,210) | | | | |
| 29.5-25-28PR (L4) | 29310 (64,620) | 29700 (65,480) | 29500 (65,040) | 29000 (63,940) | | | | |

| | Static tipping load kg(lb) Straight | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Tires/Buckets | I | II | III | IV | | | | |
| 26.5-25-20PR (L3) | 21920 (48,330) | 21440 (47,270) | 21750 (47,950) | 21610 (47,650) | | | | |
| 29.5-25-22PR (L3) | 22330 (49,230) | 21850 (48,170) | 22160 (48,860) | 22020 (48,550) | | | | |
| 26.5-25-20PR (L4) | 22215 (48,980) | 21735 (47,920) | 22045 (48,600) | 21905 (48,300) | | | | |
| 26.5-25-20PR (L5) | 22485 (49,580) | 22005 (48,520) | 22315 (49,200) | 22175 (48,900) | | | | |
| 29.5-25-28PR (L4) | 22730 (50,120) | 22250 (49,060) | 22560 (49,740) | 22420 (49,430) | | | | |

| | Static tipping load kg(lb) 40° full turn | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Tires/Buckets | I | II | III | IV | | | | |
| 26.5-25-20PR (L3) | 18980 (41,840) | 18560 (40,920) | 18830 (41,510) | 18670 (41,160) | | | | |
| 29.5-25-22PR (L3) | 19335 (42,630) | 18915 (41,700) | 19185 (42,300) | 19025 (41,950) | | | | |
| 26.5-25-20PR (L4) | 19235 (42,410) | 18815 (41,480) | 19085 (42,080) | 18925 (41,730) | | | | |
| 26.5-25-20PR (L5) | 19470 (42,930) | 19050 (42,000) | 19320 (42,600) | 19160 (42,250) | | | | |
| 29.5-25-28PR (L4) | 19680 (43,390) | 19260 (42,470) | 19530 (43,060) | 19370 (42,710) | | | | |

- All dimensions, weights and performance values based on SAE J-732c and J-742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, steel cab, ROPS canopy and operator.
- Machine stability and operating weight are affected by counterweight, tire size and other attachments. Apply the following weight changes to operating weight and static tipping load.

| **Weight Changes** | Change in operating weight kg (lb) | Change in tipping load kg (lb) Straight | Full turn |
|---|---|---|---|
| Remove ROPS cab | –585 (–1,290) | –510 (–1,125) | –490 (–1,080) |
| Remove steel cab | –460 (–1,015) | –400 (–880) | –385 (–850) |
| Remove front half fender | –45 (–100) | –14 (–30) | –14 (–30) |
| Remove teeth | –315 (–690) | –415 (–910) | –415 (–915) |
| Install additional counterweight | +1000 (+2,205) | +2400 (+5,290) | +2000 (+4,410) |

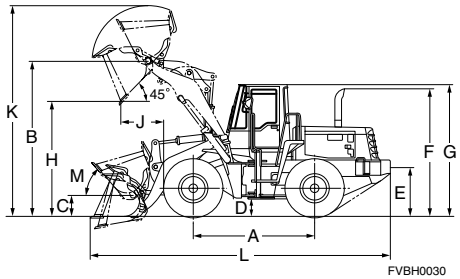


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## WA500-3




Unit: mm (ft.in)

| | | 26.5-25 tires | 29.5-25 tires |
|---|---|---|---|
| | Tread | 2400(7'10") | 2400 (7'10") |
| | Width over tires | 3090 (10'2") | 3190 (10'6") |
| A | Wheelbase | 3600 (11'10") | 3600 (11'10") |
| B | Hinge pin height, max. height | 4455 (14'7") | 4500 (14'9") |
| C | Hinge pin height, carry position | 520 (1'8") | 565 (1'10") |
| D | Ground clearance | 405 (1'4") | 450 (1'5") |
| E | Hitch height | 1195 (3'11") | 1240 (4'1") |
| F | Overall height, top of the stack | 3660 (12') | 3705 (12'2") |
| G | Overall height, ROPS canopy | 3815 (12'6") | 3860 (12'8") |
| M | Tilt back angle | 48° | |

### Measured with 26.5-25 tires

| Buckets | | I | II | III | IV |
|---|---|---|---|---|---|
| H. Dumping clearance, max. height and 45° dump angle** | | 3025 (9'11") | 2770 (9'1") | 3125 (10'3") | 3015 (9'11") |
| Reach at 2130 mm (7') cut edge clearance and 45° dump angle | | 2030 (6'8") | 2160 (7'1") | 2060 (6'9") | 2140 (7'0") |
| J. Reach at max. height and 45° dump angle** | | 1490 (4'11") | 1740 (5'9") | 1430 (4'8") | 1540 (5'11") |
| Reach with arm horizontal and bucket level | | 2800 (9'2") | 3130 (10'3") | 2995 (9'10") | 3150 (10'4") |
| K. Operating height (fully raised) | | 6070 (19'11") | 6255 (20'6") | 6130 (20'1") | 6175 (20'3") |
| L. Overall length | | 9055 (29'9") | 9395 (30'10") | 9250 (30'4") | 9405 (30'10") |
| Turning radius* | | 7390 (24'3") | 7380 (24'3") | 7320 (24'0") | 7265 (23'10") |
| Digging depth | 0° | 180(7.1") | 185 (7.3") | 150 (6") | 155 (6") |
| | 10° | 470 (18.5") | 535 (21.1") | 420 (16.5") | 445 (17.5") |

### Measured with 29.5-25 tires

| Buckets | | I | II | III | IV |
|---|---|---|---|---|---|
| H. Dumping clearance, max. height and 45° dump angle* | | 3070(10'1") | 2815 (9'3") | 3170 (10'5") | 3060 (10'0") |
| Reach at 2130 mm (7') cut edge clearance and 45° dump angle | | 1995 (6'6") | 2125 (7') | 2025 (6'8") | 2100 (6'11") |
| J. Reach at max. height and 45° dump angle* | | 1425 (4'8") | 1675 (5'6") | 1365 (4'6") | 1480 (4'10") |
| Reach with arm horizontal and bucket level | | 2740 (9'0") | 3070 (10'1") | 2935 (9'8") | 3090 (10'2") |
| K. Operating height (fully raised) | | 6115 (20'1") | 6300 (20'8") | 6175 (20'3") | 6220 (20'5") |
| L. Overall length | | 9020 (29'7") | 6360 (30'8") | 9215(30'3") | 9370 (30'9") |
| Turning radius* | | 7390 (24'3") | 7380 (24'3") | 7320 (24'0") | 7265 (23'10") |
| Digging depth | 0° | 135 (5.3") | 140 (5.5") | 110 (4.3") | 110 (4.3") |
| | 10° | 425 (1'5") | 490 (1'7") | 375 (1'3") | 400 (1'4") |

* Bucket at carry, outside corner of bucket.
** At the end of teeth or B.O.C.



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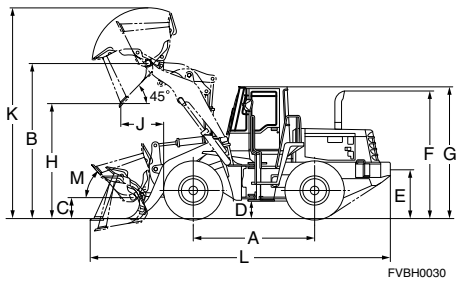
## WA500-3 (with high lift boom)

| | | Capacity Heaped m³(cu.yd) | Struck m³ (cu.yd) | Bucket width* mm (ft.in) | Bucket weight kg (lb) | Breakout force kgf (lb) |
|---|---|---|---|---|---|---|
| I | Excavating bucket (straight edge) with teeth | 4.2 (5.6) | 3.6 (4.8) | 3460 (11'4") | 2580 (5,690) | 28450 (62,720) |

* Excluding tire protectors

| | Operating weight kg(lb) | Static tipping load kg(lb) | |
|---|---|---|---|
| | | Straight | 40° full turn |
| Tires/Buckets | I | I | I |
| 29.5-25-22PR (L-3) | 29740 (65,560) | 21765 (47,980) | 18800 (41,450) |

- All dimensions, weights and performance values based on SAE J-732c and J-742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, steel cab, ROPS canopy and operator.
- Machine stability and operating weight are affected by counterweight, tire size and other attachments. Apply the following weight changes to operating weight and static tipping load.




Unit: mm (ft.in)

| | | 29.5-25 tires |
|---|---|---|
| | Tread | 2400 (7'20") |
| | Width over tires | 3190 (10'6") |
| A | Wheelbase | 3600 (11'10") |
| B | Hinge pin height, max. height | 4905 (16'1") |
| C | Hinge pin height, carry position | 565 (1'10") |
| D | Ground clearance | 450 (1'5") |
| E | Hitch height | 1240 (4'1") |
| F | Overall height, top of the stack | 3635 (11'11") |
| G | Overall height, ROPS canopy | 3860 (12'8") |
| M | Tilt back angle | 48° |

**Measured with 29.5-25 tires** **Unit: mm (ft.in)**

| Buckets | | I |
|---|---|---|
| H. Dumping clearance, max. height and 45° dump angle** | | 3565 (11'8") |
| Reach at 2130 mm (7') cut edge clearance and 45° dump angle | | |
| J. Reach at max. height and 45° dump angle** | | 1570 (5'2") |
| Reach with arm horizontal and bucket level | | |
| K. Operating height (fully raised) | | 6520 (21'5") |
| L. Overall length | | 9910 (32'6") |
| Turning radius* | | 7585 (24'11") |
| Digging depth | 0° | 205 (8.1") |
| | 10° | 475 (1'7") |

* Bucket at carry, outside corner of bucket.
** At the end of teeth or B.O.C.

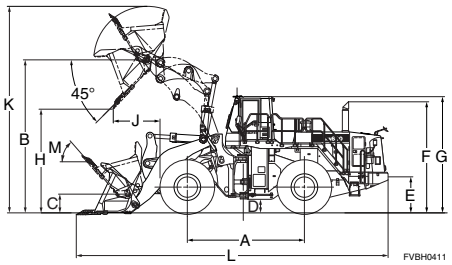


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## WA600-6




Unit: mm (ft.in)

| | | 3990 mm 13'1" Boom | 3850 mm 12'8" Boom |
|---|---|---|---|
| | Tread | 2650 (8'8") | |
| | Width over tires | 3540 (11'9") | |
| A | Wheelbase | 4500 (14'9") | |
| B | Hinge pin height, max. height | 5885 (19'3") | 5665 (18'7") |
| C | Hinge pin height, carry position | 720 (2'4") | 670 (2'3") |
| D | Ground clearance | 525 (1'9") | |
| E | Hitch height | 1385 (4'7") | |
| F | Overall height, top of the stack | 4270 (14'0") | |
| G | Overall height, ROPS cab | 4460 (14'8") | |
| M | Tilt back angle | 50° | |

### Measured with 35/65-33-36PR (L4) tires

| Bucket type | | | 3990 mm 13'1" Boom | | | 3850 mm 12'8" Boom | |
|---|---|---|---|---|---|---|---|
| | | | Excavating Buckets | | Stockpile Bucket | Excavating Buckets | |
| | | | Spade nose Teeth and WSE*** | Straight edge Teeth and BSE*4 | Spade nose Teeth and WSE*** | Spade nose Teeth and WSE*** | Straight edge Teeth and BSE*4 |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 6.4 (8.4) | 6.5 (8.5) | 7.0 (9.2) | 7.0 (9.2) | 7.0 (9.2) |
| | Struck | $m^3$ ($yd^3$) | 5.3 (6.9) | 5.4 (7.1) | 5.8 (7.6) | 5.8 (7.6) | 5.8 (7.6) |
| Bucket width | | mm (ft.in) | 3685 (12'1") | 3685 (12'1") | 3685 (12'1") | 3685 (12'1") | 3685 (12'1") |
| Bucket weight | | kg (lb) | 5115 (11,280) | 4735 (10,440) | 5255 (11,590) | 5245 (11,570) | 4865 (10,730) |
| Static tipping load | Straight | kg (lb) | 34200 (75,400) | 34580 (76,240) | 34060 (75,090) | 35400 (78,040) | 35780 (78,880) |
| | Full turn (43°) | kg (lb) | 28500 (62,830) | 28880 (63,670) | 28360 (62,520) | 29500 (65,040) | 29880 (65,870) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 3995 (13'1") | 4180 (13'9") | 3945 (12'11") | 3730 (12'3") | 3905 (12'10") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | 3015 (9'11") | 2875 (9'5") | 3050 (10'0") | 2900 (9'6") | 2775 (9'1") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1800 (5'11") | 1610 (5'3") | 1850 (6'1") | 1885 (6'2") | 1690 (5'7") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | 4135 (13'7") | 3870 (12'8") | 4205 (13'9") | 4065 (13'4") | 3800 (12'6") |
| K. Operating height (fully raised) | | mm (ft.in) | 7925 (20'6") | 7925 (20'6") | 7995 (26'3") | 7775 (25'6") | 7775 (25'6") |
| L. Overall length | | mm ft.in) | 11985 (39'4") | 11725 (38'6") | 12055 (39'7") | 11870 (38'11") | 11610 (38'1") |
| Turning radius* | | mm (ft.in) | 8500 (27'1") | 8530 (28'0") | 8520 (27'11") | 8440 (27'8") | 8460 (27'9") |
| Digging depth | 0° | mm (ft.in) | 130 (5.1") | 135 (5.3") | 130 (5.1") | 130 (5.1") | 140 (5.5") |
| | 10° | mm (ft.in) | 515 (1'8") | 480 (1'7") | 530 (1'9") | 530 (1'9") | 495 (1'7") |
| Breakout force | | kN kgf (lb) | 387 39500 (87,080) | 448 45680 (100,710) | 375 38200 (84,220) | 378 38600 (85,100) | 433 44150 (97,340) |
| Operating weight | | kg (lb) | 52700 (116,180) | 52320 (115,340) | 52840 (116,490) | 52900 (116,620) | 52500 (115,740) |

* Bucket at carry, outside corner of bucket.
** At the end of tooth or B.O.C
*** Weld on segment edges
*4 Bolt on segment edges

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.
  Apply the following weight changes to operating weight and static tipping load.



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**Weight Changes**

3990 mm (13'1") boom

| | Change in Operating Weight | | Tipping Load | | | | Width Over Tire | | Ground Clearance | | Change in Vertical Dimensions | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in |
| 35/65-33-36PR (L4) | 0 | 0 | 0 | 0 | 0 | 0 | 3,540 | 11'7" | 525 | 1'9" | 0 | 0'0" |
| 35/65-33-36PR (L5) | +1000 | +2,205 | +715 | +1,575 | +595 | +1,310 | 3,540 | 11'7" | 525 | 1'9" | 0 | 0'0" |
| 35/65-33-42PR (L4) | +20 | +45 | +15 | +30 | +10 | +25 | 3,555 | 11'8" | 525 | 1'9" | 0 | 0'0" |
| 35/65 R33* (L4) | –780 | –1,720 | –555 | –1,230 | –465 | –1,025 | 3,565 | 11'8" | 460 | 1'6" | –65 | –2.6" |
| 35/65 R33* (L5) | –235 | –520 | –170 | –375 | –140 | –310 | 3,565 | 11'8" | 460 | 1'6" | –65 | –2.6" |
| OPT Counterweight | +1000 | +2,205 | +2380 | +5,245 | +1985 | +4,370 | | | | | | |

3850 mm (12'8") boom

| | Change in Operating Weight | | Tipping Load | | | | Width Over Tire | | Ground Clearance | | Change in Vertical Dimensions | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in |
| 35/65-33-36PR (L4) | 0 | 0 | 0 | 0 | 0 | 0 | 3,540 | 11'7" | 525 | 1'9" | 0 | 0'0" |
| 35/65-33-36PR (L5) | +1000 | +2,205 | +745 | +1,640 | +620 | +1,365 | 3,540 | 11'7" | 525 | 1'9" | 0 | 0'0" |
| 35/65-33-42PR (L4) | +20 | +45 | +15 | +35 | +15 | +30 | 3,555 | 11'8" | 525 | 1'9" | 0 | 0'0" |
| 35/65 R33* (L4) | –780 | –1,720 | –580 | –1,280 | –485 | –1,065 | 3,565 | 11'8" | 460 | 1'6" | –65 | –2.6" |
| 35/65 R33* (L5) | –235 | –520 | –175 | –390 | –145 | –320 | 3,565 | 11'8" | 460 | 1'6" | –65 | –2.6" |
| OPT Counterweight | +1000 | +2,205 | +2480 | +5,265 | +2065 | +4,555 | | | | | | |

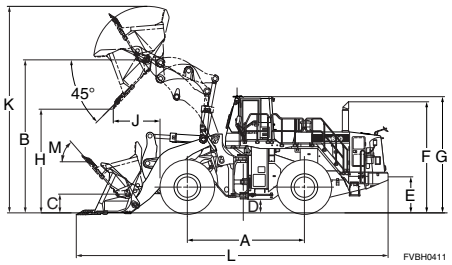


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## WA600-6R




Unit: mm (ft.in)

| | | 3990 mm 13'1" Boom | 3850 mm 12'8" Boom |
|---|---|---|---|
| | Tread | 2650 (8'8") | |
| | Width over tires | 3540 (11'9") | |
| A | Wheelbase | 4500 (14'9") | |
| B | Hinge pin height, max. height | 5885 (19'3") | 5665 (18'7") |
| C | Hinge pin height, carry position | 720 (2'4") | 670 (2'3") |
| D | Ground clearance | 525 (1'9") | |
| E | Hitch height | 1385 (4'7") | |
| F | Overall height, top of the stack | 4270 (14'0") | |
| G | Overall height, ROPS cab | 4460 (14'8") | |
| M | Tilt back angle | 50° | |

### Measured with 35/65-33-36PR (L4) tires

| Bucket type | | | 3990 mm 13'1" Boom | | | 3850 mm 12'8" Boom | |
|---|---|---|---|---|---|---|---|
| | | | Excavating Buckets | | Stockpile Bucket | Excavating Buckets | |
| | | | Spade nose Teeth and WSE*** | Straight edge Teeth and BSE*4 | Spade nose Teeth and WSE*** | Spade nose Teeth and WSE*** | Straight edge Teeth and BSE*4 |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 6.4 (8.4) | 6.5 (8.5) | 7.0 (9.2) | 7.0 (9.2) | 7.0 (9.2) |
| | Struck | $m^3$ ($yd^3$) | 5.3 (6.9) | 5.4 (7.1) | 5.8 (7.6) | 5.8 (7.6) | 5.8 (7.6) |
| Bucket width | | mm (ft.in) | 3685 (12'1") | 3685 (12'1") | 3685 (12'1") | 3685 (12'1") | 3685 (12'1") |
| Bucket weight | | kg (lb) | 5115 (11,280) | 4735 (10,440) | 5255 (11,590) | 5245 (11,570) | 4865 (10,730) |
| Static tipping load | Straight | kg (lb) | 34200 (75,400) | 34580 (76,240) | 34060 (75,090) | 35400 (78,040) | 35780 (78,880) |
| | Full turn (43°) | kg (lb) | 28500 (62,830) | 28880 (63,670) | 28360 (62,520) | 29500 (65,040) | 29880 (65,870) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 3995 (13'1") | 4180 (13'9") | 3945 (12'11") | 3730 (12'3") | 3905 (12'10") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | 3015 (9'11") | 2875 (9'5") | 3050 (10'0") | 2900 (9'6") | 2775 (9'1") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1800 (5'11") | 1610 (5'3") | 1850 (6'1") | 1885 (6'2") | 1690 (5'7") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | 4135 (13'7") | 3870 (12'8") | 4205 (13'9") | 4065 (13'4") | 3800 (12'6") |
| K. Operating height (fully raised) | | mm (ft.in) | 7925 (20'0") | 7925 (20'0") | 7995 (26'3") | 7775 (25'6") | 7775 (25'6") |
| L. Overall length | | mm ft.in) | 11985 (39'4") | 11725 (38'6") | 12055 (39'7") | 11870 (38'11") | 11610 (38'1") |
| Turning radius* | | mm (ft.in) | 8500 (27'1") | 8530 (28'0") | 8520 (27'11") | 8440 (27'8") | 8460 (27'9") |
| Digging depth | 0° | mm (ft.in) | 130 (5.1") | 135 (5.3") | 130 (5.1") | 130 (5.1") | 140 (5.5") |
| | 10° | mm (ft.in) | 515 (1'8") | 480 (1'7") | 530 (1'9") | 530 (1'9") | 495 (1'7") |
| Breakout force | | kN kgf (lb) | 387 39500 (87,080) | 448 45680 (100,710) | 375 38200 (84,220) | 378 38600 (85,100) | 433 44150 (97,340) |
| Operating weight | | kg (lb) | 52700 (116,180) | 52320 (115,340) | 52840 (116,490) | 52900 (116,620) | 52500 (115,740) |

* Bucket at carry, outside corner of bucket.
** At the end of tooth or B.O.C
*** Weld on segment edges
*4 Bolt on segment edges

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments. Apply the following weight changes to operating weight and static tipping load.



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**Weight Changes**

3990 mm (13'1") boom

| | Change in Operating Weight | | Tipping Load | | | | Width Over Tire | | Ground Clearance | | Change in Vertical Dimensions | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in |
| 35/65-33-36PR (L4) | 0 | 0 | 0 | 0 | 0 | 0 | 3,540 | 11'7" | 525 | 1'9" | 0 | 0'0" |
| 35/65-33-36PR (L5) | +1000 | +2,205 | +715 | +1,575 | +595 | +1,310 | 3,540 | 11'7" | 525 | 1'9" | 0 | 0'0" |
| 35/65-33-42PR (L4) | +20 | +45 | +15 | +30 | +10 | +25 | 3,555 | 11'8" | 525 | 1'9" | 0 | 0'0" |
| 35/65 R33* (L4) | –780 | –1,720 | –555 | –1,230 | –465 | –1,025 | 3,565 | 11'8" | 460 | 1'6" | –65 | –2.6" |
| 35/65 R33* (L5) | –235 | –520 | –170 | –375 | –140 | –310 | 3,565 | 11'8" | 460 | 1'6" | –65 | –2.6" |
| OPT Counterweight | +1000 | +2,205 | +2380 | +5,245 | +1985 | +4,370 | | | | | | |

3850 mm (12'8") boom

| | Change in Operating Weight | | Tipping Load | | | | Width Over Tire | | Ground Clearance | | Change in Vertical Dimensions | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in |
| 35/65-33-36PR (L4) | 0 | 0 | 0 | 0 | 0 | 0 | 3,540 | 11'7" | 525 | 1'9" | 0 | 0'0" |
| 35/65-33-36PR (L5) | +1000 | +2,205 | +745 | +1,640 | +620 | +1,365 | 3,540 | 11'7" | 525 | 1'9" | 0 | 0'0" |
| 35/65-33-42PR (L4) | +20 | +45 | +15 | +35 | +15 | +30 | 3,555 | 11'8" | 525 | 1'9" | 0 | 0'0" |
| 35/65 R33* (L4) | –780 | –1,720 | –580 | –1,280 | –485 | –1,065 | 3,565 | 11'8" | 460 | 1'6" | –65 | –2.6" |
| 35/65 R33* (L5) | –235 | –520 | –175 | –390 | –145 | –320 | 3,565 | 11'8" | 460 | 1'6" | –65 | –2.6" |
| OPT Counterweight | +1000 | +2,205 | +2480 | +5,265 | +2065 | +4,555 | | | | | | |



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## WA600-3

| | Capacity Heaped $m^3$(cu.yd) | Struck $m^3$ (cu.yd) | Bucket width* mm (ft.in) | Bucket weight kg (lb) | Breakout force kgf (lb) |
|---|---|---|---|---|---|
| I Excavating bucket (straight edge) with tip teeth | 6.1 (8.0) | 5.1 (6.7) | 3685 (12'1") | 4250 (9,370) | 37600 (82,890) |
| II Excavating bucket (spade nose) with tip teeth | 6.1 (8.0) | 5.1 (6.7) | 3685 (12'1") | 4305 (9,490) | 43750 (96,450) |
| III Coal bucket (straight edge) | 11.0 (14.4) | 9.5 (12.4) | 4200 (13'9") | 4420 (9,740) | 31950 (70,440) |

* Excluding tire protectors

| | Operating weight kg(lb) | | |
|---|---|---|---|
| Tires/Buckets | I | II | III |
| 35/65-33-24PR (L4) | 45180 (99,600) | 45235 (99,730) | 45350 (99,980) |
| 35/65-33-24PR (L5) | 46320 (102,120) | 46375 (102,240) | 46490 (102,490) |
| 29.5-29-28PR (L4) | 44510 (98,130) | 44565 (98,250) | 44680 (98,500) |

| | Static tipping load kg(lb) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Straight | | | 35° turn | | | 40° full turn | | |
| Tires/Buckets | I | II | III | I | II | III | I | II | III |
| 35/65-33-24PR (L4) | 31410 (69,250) | 31355 (69,130) | 31240 (68,870) | 28550 (62,940) | 28495 (62,820) | 28380 (62,570) | 27740 (61,160) | 27685 (61,030) | 27570 (60,780) |
| 35/65-33-24PR (L5) | 32200 (70,990) | 32145 (70,870) | 32030 (70,610) | 29270 (64,530) | 29215 (64,410) | 29100 (64,150) | 28440 (62,700) | 28385 (62,580) | 28270 (62,320) |
| 29.5-29-28PR (L4) | 30945 (68,220) | 30890 (68,100) | 30775 (67,850) | 28130 (62,020) | 28075 (61,890) | 27960 (61,640) | 27330 (60,250) | 27275 (60,130) | 27160 (59,880) |

- All dimensions, weights and performance values based on SAE J-732c and J-742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, steel cab, ROPS canopy, front half fenders, tip type teeth and operator.
- Machine stability and operating weight are affected by counterweight or ballast, tire size and other attachments. Use either counterweight or ballast, not both. Apply the following weight changes to operating weight and static tipping load.

| **Weight Changes** | Change in operating weight kg (lb) | Change in tipping load kg (lb) | |
|---|---|---|---|
| | | Straight | Full turn |
| Remove ROPS canopy | –800 (–1,760) | –700 (–1,540) | –615 (–1,360) |
| Remove steel cab | –430 (–950) | –310 (–680) | –275 (–610) |
| Remove teeth | –372 (–820) | –475 (–1,050) | –475 (–1,050) |
| Install additional counterweight | +1000 (+2,200) | +2300 (+5,070) | +2030 (+4,480) |

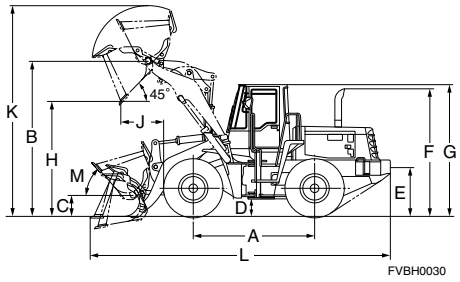


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## WA600-3




Unit: mm (ft.in)

| | | 35/65-33 tires | 29.5-29 tires |
|---|---|---|---|
| | Tread | 2650 (8'8") | 2650 (8'8") |
| | Width over tires | 3570 (11'9") | 3480 (11'5") |
| A | Wheelbase | 4100 (13'5") | 4100 (13'5") |
| B | Hinge pin height, max. height | 5155 (16'11") | 5110 (16'9") |
| C | Hinge pin height, carry position | 670 (2'2") | 625 (2'1") |
| D | Ground clearance | 495 (1'7") | 450 (1'6") |
| E | Hitch height | 1295 (4'3") | 1250 (4'1") |
| F | Overall height, top of the stack | 4125 (13'6") | 4080 (13'5") |
| G | Overall height, ROPS canopy | 4250 (13'11") | 4205 (13'10") |
| | Overall height, ROPS and cab | 4250 (13'11") | 4205 (13'10") |
| M | Tilt back angle | 49.5° | |

### Measured with 35/65-33 tires

| Buckets | | I | II | III |
|---|---|---|---|---|
| H. Dumping clearance, max. height and 45° dump angle** | | 3530 (11'7") | 3350 (11') | 3370 (11'1") |
| Reach at 2130 mm (7') cut edge clearance and 45° dump angle | | 2470 (8'1") | 2600 (8'6") | 2735 (9') |
| J. Reach at max. height and 45° dump angle** | | 1795 (5'11") | 1990 (6'6") | 2005 (6'7") |
| Reach with arm horizontal and bucket level | | 3240 (10'8") | 3500 (11'6") | 3745 (12'3") |
| K. Operating height (fully raised) | | 7165 (23'6") | 7165 (23'6") | 7440 (24'5") |
| L. Overall length | | 10840 (35'7") | 11105 (36'5") | 11010 (36'1") |
| Turning radius* | | 8265 (27'1") | 8260 (27'1") | 8590 (28'2") |
| Digging depth | 0° | 100 (3.9") | 100 (3.9") | 40 (1.6") |
| | 10° | 440 (1'5") | 470 (1'7") | 395 (1'3") |

### Measured with 29.5-29 tires

**Unit:mm (ft.in)**

| Buckets | | I | II | III |
|---|---|---|---|---|
| H. Dumping clearance, max. height and 45° dump angle** | | 3485 (11'5") | 3305 (10'10") | 3325 (10'11") |
| Reach at 2130 mm (7') cut edge clearance and 45° dump angle | | 2500 (8'2") | 2630 (8'7") | 2765 (9'1") |
| J. Reach at max. height and 45° dump angle** | | 1825 (6') | 2020 (6'8") | 2035 (6'8") |
| Reach with arm horizontal and bucket level | | 3270 (10'9") | 3530 (11'7") | 3775 (12'5") |
| K. Operating height (fully raised) | | 7120 (23'4") | 7120 (23'4") | 7395 (24'3") |
| L. Overall length | | 10880 (35'8") | 11145 (36'7") | 11050 (36'3") |
| Turning radius* | | 8265 (27'1") | 8260 (27'1") | 8590 (28'2") |
| Digging depth | 0° | 145 (5.7") | 145 (5.7") | 85 (3.3") |
| | 10° | 485 (1'7") | 515 (1'8") | 440 (1'5") |

* Bucket at carry, outside corner of bucket.
** At the end of teeth or B.O.C.



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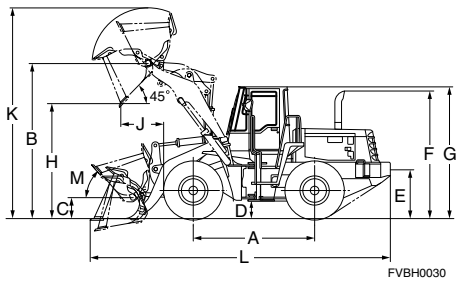
## WA600-3 (with high lift boom)

| | Capacity Heaped $m^3$(cu.yd) | Struck $m^3$ (cu.yd) | Bucket width* mm (ft.in) | Bucket weight kg (lb) | Breakout force kgf (lb) |
|---|---|---|---|---|---|
| I Excavating bucket (straight edge) with tip teeth | 5.6 (7.3) | 4.0 (5.2) | 3685 (12'1") | | 44500 (98,210) |
| II Excavating bucket (spade nose) with tip teeth | 5.6 (7.3) | 4.0 (5.2) | 3685 (12'1") | 4400 (9,700) | 37500 (82,670) |

* Excluding tire protectors

| | Operating weight kg(lb) | | Static tipping load kg(lb) | | | |
|---|---|---|---|---|---|---|
| | | | Straight | | 40° full turn | |
| Tires/Buckets | I | II | I | II | I | II |
| 35/65-33-24PR (L4) | 46100 (101,630) | 46600 (102,730) | 28600 (63,050) | 29100 (64,150) | 25240 (55,640) | 25650 (56,550) |

- All dimensions, weights and performance values based on SAE J-732c and J-742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, steel cab, ROPS canopy, front half fenders, tip type teeth, 3820kg (8420 lb) counterweight for high lift boom and operator.
- Machine stability and operating weight are affected by counterweight or ballast, tire size and other attachments. Use either counterweight or ballast, not both. Apply the following weight changes to operating weight and static tipping load.




Unit: mm (ft.in)

| | | 35/65-33 tires |
|---|---|---|
| | Tread | 2650 (8'8") |
| | Width over tires | 3570 (11'9") |
| A | Wheelbase | 4100 (13'5") |
| B | Hinge pin height, max. height | 5770 (18'11") |
| C | Hinge pin height, carry position | 670 (2'2") |
| D | Ground clearance | 495 (1'7") |
| E | Hitch height | 1385 (4'7") |
| F | Overall height, top of the stack | 4125 (13'6") |
| G | Overall height, ROPS canopy | 4250 (13'11") |
| | Overall height, ROPS and cab | 4250 (13'11") |
| M | Tilt back angle | 49.5° |

### Measured with 35/65-33 tires

| Buckets | | I | II |
|---|---|---|---|
| H. Dumping clearance, max. height and 45° dump angle** | | 4180 (13'9") | 3995 (13'1") |
| J. Reach at max. height and 45° dump angle** | | 1690 (5'7") | 1885 (6'2") |
| K. Operating height (fully raised) | | 7720 (25'4") | 7720 (37'10") |
| L. Overall length | | 11520 (37'10") | 11850 (38'11") |
| Turning radius* | | 8480 (27'10") | 8480 (27'10") |
| Digging depth | 0° | 50 (1.9") | 125 (4.8") |
| | 10° | 410 (1'4") | 485 (1'7") |

* Bucket at carry, outside corner of bucket.
** At the end of teeth or B.O.C.



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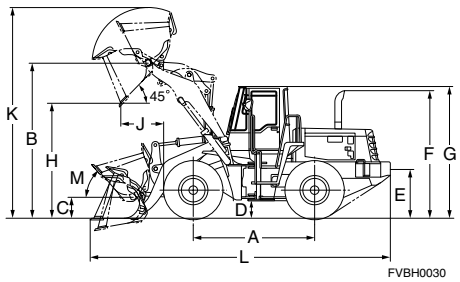
## WA600-3 (for Load & Carry)

| | Capacity Heaped m³(cu.yd) | Struck m³ (cu.yd) | Bucket width* mm (ft.in) | Bucket weight kg (lb) | Breakout force kgf (lb) |
|---|---|---|---|---|---|
| I Excavating bucket (spade nose) with tip teeth | 7.5 (9.8) | 6.8 (8.9) | 3685 (12'1") | 5075 (11,190) | 35400 (78,040) |

* Excluding tire protectors

| | Operating weight kg(lb) | Static tipping load kg(lb) | |
|---|---|---|---|
| | | Straight | 40° full turn |
| Tires/Buckets | I | I | I |
| 35/65-33-42PR (L4) | 49400 (108,910) | 38900 (85,760) | 34300 (75,620) |

- All dimensions, weights and performance values based on SAE J-732c and J-742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, steel cab, ROPS canopy, front half fenders, tip type teeth, 5300kg (11680 lb) counterweight for Load & Carry and operator.
- Machine stability and operating weight are affected by counterweight or ballast, tire size and other attachments. Use either counterweight or ballast, not both. Apply the following weight changes to operating weight and static tipping load.




Unit: mm (ft.in)

| | | 35/65-33 tires |
|---|---|---|
| | Tread | 2650 (8'8") |
| | Width over tires | 3570 (11'9") |
| A | Wheelbase | 4100 (13'5") |
| B | Hinge pin height, max. height | 4850 (15'11") |
| C | Hinge pin height, carry position | 670 (2'2") |
| D | Ground clearance | 495 (1'7") |
| E | Hitch height | 1385 (4'7") |
| F | Overall height, top of the stack | 4125 (13'6") |
| G | Overall height, ROPS canopy | 4250 (13'11") |
| | Overall height, ROPS and cab | 4250 (13'11") |
| M | Tilt back angle | 49.5° |

### Measured with 35/65-33 tires

| Buckets | | I |
|---|---|---|
| H. Dumping clearance, max. height and 45° dump angle** | | 2920 (9'7") |
| J. Reach at max. height and 45° dump angle** | | 2105 (6'11") |
| K. Operating height (fully raised) | | 7065 (23'2") |
| L. Overall length | | 11395 (37'5") |
| Turning radius* | | 8225 (27'0") |
| Digging depth | 0° | 105 (4.1") |
| | 10° | 505 (1'8") |

* Bucket at carry, outside corner of bucket.
** At the end of teeth or B.O.C.



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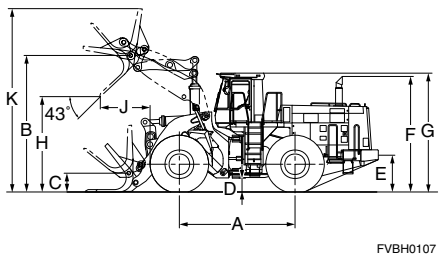


## WA600-3 (for stone handling)

| | | Capacity Heaped m³(cu.yd) | Struck m³ (cu.yd) | Bucket width mm (ft.in) | Bucket weight kg (lb) | Breakout force kgf (lb) |
|---|---|---|---|---|---|---|
| I | Stone handling bucket | — | — | — | — | 38800 (85,540) |

| | Operating weight kg(lb) | Static tipping load kg(lb) | |
|---|---|---|---|
| | | Straight | 40° full turn |
| Tires/Buckets | I | I | I |
| 35/36-33-42PR (L5) | 41740 (92,010) | 32900 (72,530) | 28850 (63,600) |

- All dimensions, weights and performance values based on SAE J-732c and J-742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, steel cab, ROPS canopy, front half fenders, tip type teeth, 4300kg (9480 lb) counterweight for stone handling and operator.
- Machine stability and operating weight are affected by counterweight or ballast, tire size and other attachments. Use either counterweight or ballast, not both. Apply the following weight changes to operating weight and static tipping load.



FVBH0107

Unit: mm (ft.in)

| | | 35/65-33 tires |
|---|---|---|
| | Tread | 2650 (8'8") |
| | Width over tires | 3570 (11'9") |
| A | Wheelbase | 4100 (13'5") |
| B | Hinge pin height, max. height | 4850 (15'11") |
| C | Hinge pin height, carry position | 670 (2'2") |
| D | Ground clearance | 495 (1'7") |
| E | Hitch height | 1385 (4'7") |
| F | Overall height, top of the stack | 4125 (13'6") |
| G | Overall height, ROPS canopy | 4250 (13'11") |
| | Overall height, ROPS and cab | 4250 (13'11") |

### Measured with 35/65-33 tires

| Buckets | | I |
|---|---|---|
| H. Dumping clearance, max. height and 45° dump angle** | | 3335 (10'11") |
| J. Reach at max. height and 45° dump angle** | | 1850 (6'1") |
| K. Operating height (fully raised) | | |
| L. Overall length | | 10550 (34'7") |
| Turning radius* | | |
| Digging depth | 0° | 45 (1.8") |
| | 10° | 361 (1'2") |

* Bucket at carry, outside corner of bucket.
** At the end of teeth or B.O.C.

**NOTE:**

a) It forbids riding over obstacle during stone handling (Allowable riding over height must be 50 mm (2") or less).

b) Travel speed is set only to 1st gear during stone handling.



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## WA700-3

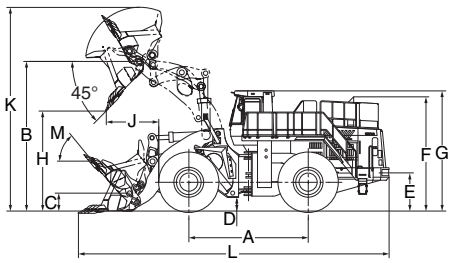
| | Capacity Heaped m³(cu.yd) | Struck m³ (cu.yd) | Bucket width* mm (ft.in) | Bucket weight kg (lb) | Breakout force kgf (lb) |
|---|---|---|---|---|---|
| I Excavating bucket (straight edge) without tip teeth | 8.7 (11.4) | 7.6 (9.9) | 4330 (14'2") | 6770 (14,925) | 64700 (142,640) |
| II Excavating bucket (spade nose) without tip teeth | 8.7 (11.4) | 7.6 (9.9) | 4330 (14'2") | 7150 (15,760) | 52700 (116,180) |
| III General-purpose bucket (straight edge) without tip teeth | 9.4 (12.3) | 8.2 (10.7) | 4330 (14'2") | 7150 (15,760) | 62400 (137,600) |

* Excluding tire protectors

| | Operating weight kg(lb) | | | Static tipping load kg(lb) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Straight | | | 40° full turn | | |
| Tires/Buckets | I | II | III | I | II | III | I | II | III |
| 40/65-39-36 PR (L5) | 70620 (155,690) | 71000 (156,530) | 71000 (156,530) | 46400 (102,290) | 46050 (101,520) | 46700 (102,955) | 40730 (89,790) | 40440 (89,070) | 41080 (90,565) |
| 41.25/70-39-34 PR (L5) | 71220 (157,010) | 71600 (157,850) | 71600 (157,850) | 46830 (103,240) | 46480 (102,470) | 47130 (103,900) | 41100 (90,610) | 40750 (89,840) | 41450 (91,380) |
| 45/65-R39 (L5) | 71700 (158,070) | 72080 (158,910) | 72080 (158,910) | 47160 (103,970) | 46810 (103,200) | 47460 (104,630) | 41400 (91,270) | 41070 (90,540) | 41750 (92,040) |

- All dimensions, weights and performance values based on SAE J-732c and J-742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, steel cab, ROPS canopy, front half-fenders and tip type teeth and operator.
- Machine stability and operating weight are affected by counterweight or ballast, tire size and other attachments. Use either counterweight or ballast, not both. Apply the following weight changes to operating weight and static tipping load.

| **Weight Changes** | Change in operating weight kg (lb) | Change in tipping load kg (lb) Straight | Full turn |
|---|---|---|---|
| Remove ROPS canopy | –1050 (–2,315) | –965 (–2,130) | –850 (–1,870) |
| Remove steel cab | –430 (–950) | –315 (–690) | –275 (–610) |
| Remove teeth and adapter | –890 (–1,960) | +1150 (+2,535) | +1005 (+2,220) |




Unit: mm (ft.in)

| | | 40/65-39-36PR (L5) tires | 45/65 R39 (L5) tires |
|---|---|---|---|
| | Tread | 3000 (9'10") | 3060 (10') |
| | Width over tires | 4040 (13'3") | 4160 (13'8") |
| A | Wheelbase | 4800 (15'9") | 4800 (15'9") |
| B | Hinge pin height, max. height | 5990 (19'8") | 6035 (19'10") |
| C | Hinge pin height, carry position | 720 (2'4") | 765 (2'6") |
| D | Ground clearance | 540 (1'9") | 585 (1'11") |
| E | Hitch height | 1530 (5') | 1575 (5'2") |
| F | Overall height, top of the stack | 4825 (15'10") | 4870 (16') |
| G | Overall height, ROPS canopy | 4790 (15'9") | 4835 (15'10") |
| M | Tilt back angle | 50° | |

| | | **Measured with 40/65-39-36 PR (L5) tires** | | | **Measured with 45/65-R39 (L5) tires** | | |
|---|---|---|---|---|---|---|---|
| Buckets | | I | II | III | I | II | III |
| H. Dumping clearance, max. height and 45° dump angle** | | 4280 (14'1") | 4040 (13'3") | 4195 (13'9") | 4325 (14'2") | 4085 (13'5") | 4240 (13'11") |
| J. Reach at max. height and 45° dump angle** | | 1890 (6'2") | 2135 (7') | 1975 (6'6") | 1890 (6'2") | 2135 (7') | 1975 (6'6") |
| Reach at 2130 mm (7') cut edge clearance and 45° dump angle | | 2770 (9'1") | 2985 (9'10") | 2850 (9'4") | 2770 (9'1") | 2985 (9'10") | 2850 (9'4") |
| Reach with arm horizontal and bucket level | | 3500 (11'6") | 3840 (12'7") | 3620 (11'10") | 3500 (11'6") | 3840 (12'7") | 3620 (11'10") |
| K. Operating height (fully raised) | | 8170 (26'10") | 8170 (26'10") | 8320 (27'3") | 8215 (26'11") | 8215 (26'11") | 8365 (27'5") |
| L. Overall length (with tipteeth) | | 12160 (39'11") | 12500 (41') | 12280 (40'3") | 12135 (39'10") | 12475 (40'11") | 12255 (40'2") |
| Turning radius* | | 9630 (31'7") | 9615 (31'7") | 9660 (31'8") | 9630 (31'7") | 9615 (31'7") | 9660 (31'8") |
| Digging depth | 0° | 170 (7") | 170 (7") | 170 (7") | 125 (4.9") | 125 (4.9") | 125 (4.9") |
| | 10° | 510 (1'8") | 570 (1'10") | 535 (1'9") | 465 (1'6") | 525 (1'9") | 490 (1'7") |

* Bucket at carry, outside corner of bucket.
** At the end of tooth



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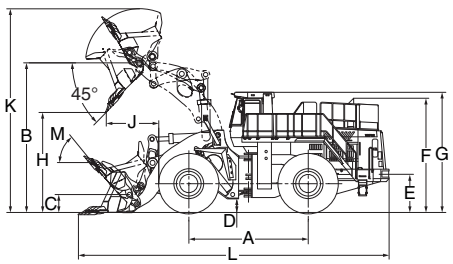
## WA700-3 (with high lift boom)

| | Capacity Heaped $m^3$(cu.yd) | Struck $m^3$ (cu.yd) | Bucket width* mm (ft.in) | Bucket weight kg (lb) | Breakout force kgf (lb) |
|---|---|---|---|---|---|
| I Excavating bucket (spade nose) with tip teeth | 8.0 (10.5) | 7.0 (9.2) | 4330 (14'2") | 6830 (15,060) | 55800 (123,020) |
| II Stockpile bucket (spade nose) with tip teeth | 8.7 (11.4) | 7.6 (9.9) | 4330 (14'2") | 7150 (15,760) | 52700 (116,180) |

* Excluding tire protectors

| | Operating weight kg(lb) | | Static tipping load kg(lb) | | | |
|---|---|---|---|---|---|---|
| | | | Straight | | 40° turn | |
| Tires/Buckets | I | II | I | II | I | II |
| 40/65-39-36PR (L5) | 72200 (159,170) | 72400 (159,610) | 41900 (92,370) | 41600 (91,710) | 36400 (80,250) | 36100 (79,590) |

- All dimensions, weights and performance values based on SAE J-732c and J-742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, steel cab, ROPS canopy, front half-fenders, additional counterweight 1040 kg (2290 lb) and tip type teeth and operator.
- Machine stability and operating weight are affected by counterweight or ballast, tire size and other attachments. Use either counterweight or ballast, not both. Apply the following weight changes to operating weight and static tipping load.




Unit: mm (ft.in)

| | | 40/65-39-36 PR (L5) tires |
|---|---|---|
| | Tread | 3000 (9'10") |
| | Width over tires | 4040 (13'3") |
| A | Wheelbase | 4800 (15'9") |
| B | Hinge pin height, max. height | 6550 (21'6") |
| C | Hinge pin height, carry position | 720 (2'4") |
| D | Ground clearance | 540 (1'9") |
| E | Hitch height | 1545 (5'1") |
| F | Overall height, top of the stack | 4580 (15') |
| G | Overall height, ROPS and cab | 4790 (15'9") |
| M | Tilt back angle | 50° |

### Measured with 40/65-39-36 PR (L5) tires

| Buckets | | I | II |
|---|---|---|---|
| H. Dumping clearance, max. height and 45° dump angle** | | 4645 (15'3") | 4575 (15'0") |
| J. Reach at max. height and 45° dump angle** | | 2120 (6'11") | 2190 (7'2") |
| K. Operating height (fully raised) | | 8625 (28'6") | 8720 (28'7") |
| L. Overall length | | 13315 (43'8") | 13410 (44'0") |
| Turning radius* | | 9840 (32'3") | 9865 (32'4") |
| Digging depth | 0° | 185 (7.3") | 185 (7.3") |
| | 10° | 570 (1'10") | 590 (1'11") |

* Bucket at carry, outside corner of bucket.
** At the end of teeth



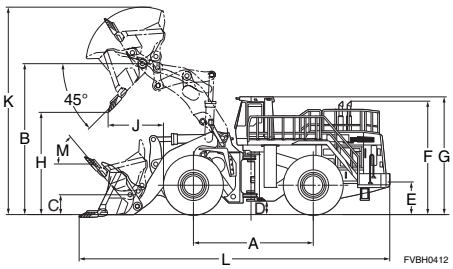
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## WA800-3E0

Unit: mm (ft.in)




| | | Standard boom | High lift boom | Short boom |
|---|---|---|---|---|
| | Tread | | 3350 (11'0") | |
| | Width over tires | | 4585 (15'1") | |
| A | Wheelbase | | 5450 (17'11") | |
| B | Hinge pin height, max. height | 6785 (22'3") | 7265 (23'10") | 6140 (20'2") |
| C | Hinge pin height, carry position | | 850 (2'9") | |
| D | Ground clearance | | 550 (1'10") | |
| E | Hitch height | | 1390 (4'7") | |
| F | Overall height, top of the stack | | 5130 (16'10") | |
| G | Overall height, ROPS cab | | 5275 (17'4") | |
| M | Tilt back angle | | 50° | |

### Measured with 45/65-45-46PR (L5) tires

| Bucket type | | | Standard boom | | High lift boom | Short boom |
|---|---|---|---|---|---|---|
| | | | Excavating Bucket | Stockpile Bucket | Rock Bucket | Load & Carry |
| | | | Spade nose Teeth | Spade nose Teeth | Spade nose Teeth | Spade nose Teeth |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 11.0 (14.4) | 12.3 (16.1) | 10.0 (13.1) | 14.0 (18.3) |
| | Struck | $m^3$ ($yd^3$) | 9.3 (12.2) | 10.4 (13.6) | 8.5 (11.1) | 11.5 (15.0) |
| Bucket width | | mm (ft.in) | 4810 (15'9") | 4810 (15'9") | 4810 (15'9") | 5090 (16'8") |
| Bucket weight | | kg (lb) | 11430 (25,200) | 12150 (26,790) | 10750 (23,700) | 12080 (26,630) |
| Static tipping load | Straight | kg (lb) | 61090 (134,680) | 60320 (132,980) | 58710 (129,430) | 68860 (151,810) |
| | Full turn (43°) | kg (lb) | 53740 (118,480) | 52970 (116,780) | 51640 (113,850) | 60660 (133,730) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 4630 (15'2") | 4252 (14'10") | 5210 (17'1") | 3820 (12'6") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | 3455 (11'4") | 3550 (11'8") | 3915 (12'10") | 3350 (11'0") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 2385 (7'10") | 2495 (8'2") | 2315 (7'7") | 2690 (8'10") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | 4360 (14'4") | 4510 (14'10") | 5010 (16'5") | 4550 (14'11") |
| K. Operating height (fully raised) | | mm (ft.in) | 9300 (30'6") | 9430 (30'11") | 9625 (31'7") | 8740 (28'8") |
| Overall length | | mm ft.in) | 13960 (45'10") | 14110 (46'4") | 14695 (48'3") | 13685 (44'11") |
| Turning radius* | | mm (ft.in) | 10900 (35'9") | 10965 (36'0") | 11100 (36'5") | 11020 (36'2") |
| Digging depth | 0° | mm (ft.in) | 165 (6.5") | 165 (6.5") | 200 (7.9") | 200 (7.9") |
| | 10° | mm (ft.in) | 605 (2'0") | 630 (2'1") | 620 (2'0") | 670 (2'2") |
| Breakout force | | kN kgf (lb) | 676.7 69000 (152,120) | 629.3 64170 (141,470) | 703.5 71790 (158,270) | 657.3 67000 (147,710) |
| Operating weight | | kg (lb) | 101900 (224,650) | 102620 (226,240) | 103420 (228,000) | 104500 (230,380) |

* Bucket at carry, outside corner of bucket.
** At the end of tooth or B.O.C

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments. Apply the following weight changes to operating weight and static tipping load.

### Weight Changes

| | Operating weight | | Tipping Load | | | |
|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | |
| | kg | lb | kg | lb | kg | lb |
| Remove ROPS canopy | –1385 | –3,055 | –1220 | –2,690 | –1180 | –2,600 |
| Remove steel cab | –430 | –950 | –335 | –740 | –330 | –730 |
| Install additional counter weight | +1600 | +3,530 | +3850 | +8,490 | +3400 | +7,500 |



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## WA800-3

| | Capacity Heaped $m^3$(cu.yd) | Struck $m^3$ (cu.yd) | Bucket width* mm (ft.in) | Bucket weight kg (lb) | Breakout force kgf (lb) |
|---|---|---|---|---|---|
| I Excavating bucket (spade nose) with tip teeth | 11.0 (14.4) | 9.3 (12.2) | 4810 (15'9") | 11430 (25,200) | 69000 (152,120) |
| II Stock pile (spade nose ) with teeth | 12.3 (16.1) | 10.4 (13.6) | 4810 (15'9") | 12150 (26,790) | 64170 (141,470) |

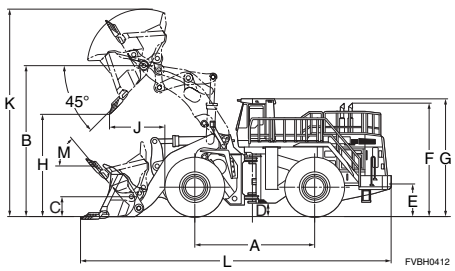
* Excluding tire protectors

| | Operating weight kg(lb) | | Static tipping load kg(lb) | | | |
|---|---|---|---|---|---|---|
| | | | Straight | | 40° full turn | |
| Tires/Buckets | I | II | I | II | I | II |
| 45/65-45-46PR(L5) | 98300 (216,710) | 99020 (218,300) | 57400 (126,540) | 56680 (124,960) | 50500 (111,330) | 49780 (109,740) |
| 45/65-45-50PR(L4) | 96580 (212,920) | 97300 (214,510) | 54820 (120,860) | 54100 (119,270) | 48260 (106,390) | 47540 (104,810) |
| 45/65-45-50PR(L5) | 98500 (217,150) | 99220 (218,740) | 57700 (127,210) | 56980 (125,620) | 50760 (111,910) | 50040 (110,320) |

- All dimensions, weights and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, steel cab, ROPS canopy, air conditioner, tip type teeth and operator.
- Machine stability and operating weight are affected by counterweight, or ballast, tire size and other attachments. Use either counterweight or ballast, not both. Apply the following weight changes to operating weight and static tipping load.

| **Weight Changes** | Change in operating weight kg (lb) | Change in tipping load kg (lb) Straight | Full turn |
|---|---|---|---|
| Remove ROPS canopy | –1385 (–3,055) | –1220 (–2,690) | –1180 (–2,600) |
| Remove steel cab | –430 (–950) | –335 (–740) | –330 (–730 |
| Install additional couinter weight | +1600 (+3,530) | +3850 (+8,490) | +3400 (+7,500) |

Unit: mm (ft.in)




| | | 45/65-45 tires |
|---|---|---|
| | Tread | 3350 (11') |
| | Width over tires | 4585 (15'1") |
| A | Wheelbase | 5450 (17'11") |
| B | Hinge pin height, max. height | 6785 (22'3") |
| C | Hinge pin height, carry position | 850 (2'9") |
| D | Ground clearance | 550 (1'10") |
| E | Hitch height | 1390 (4'7") |
| F | Overall height, top of the stack | 5080 (16'8") |
| G | Overall height, ROPS and cab | 5275 (17'4") |
| M | Tilt back angle | 50° |

### Measured with 45/65-45 tires

| Buckets | | I | II |
|---|---|---|---|
| H. Dumping clearance, max. height and 45° dump angle** | | 4630 (15'2") | 4525 (14'10") |
| Reach at 2130 mm (7') cut edge clearance and 45° dump angle | | 3455 (11'4") | 3550 (11'8") |
| J. Reach at max. height and 45° dump angle** | | 2385 (7'10") | 2495 (8'2") |
| Reach with arm horizontal and bucket level | | 4360 (14'4") | 4510 (14'10") |
| K. Operating height (fully raised) | | 9300 (30'6") | 9430 (30'11") |
| L. Overall length | | 13730 (45') | 13880 (45'6") |
| Turning radius* | | 10900 (35'9") | 10965 (36'0") |
| Digging depth | 0° | 165 (6.5") | 165 (6.5") |
| | 10° | 605 (1'11") | 630 (2'1") |

* Bucket at carry, outside corner of bucket.
** At the end of teeth or B.O.C.



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## WA800-3 (with high lift boom)

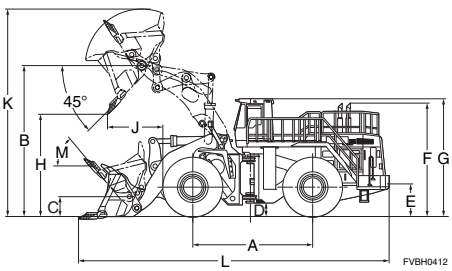
| | | Capacity Heaped m³(cu.yd) | Struck m³ (cu.yd) | Bucket width* mm (ft.in) | Bucket weight kg (lb) | Breakout force kgf (lb) |
|---|---|---|---|---|---|---|
| I | Excavating bucket (spade nose) with tip teeth | 10.0 (13.1) | 8.5 (11.1) | 4810 (15'9") | | 71790 (158,270) |

* Excluding tire protectors

| | Operating weight kg(lb) | | Static tipping load kg(lb) | | | |
|---|---|---|---|---|---|---|
| | | | Straight | | 40° full turn | |
| Tires/Buckets | I | II | I | II | I | II |
| 45/65-45-46PR(L5) | 99820 (220,060) | | 55160 (121,610) | | 48530 (106,990) | |

- All dimensions, weights and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, steel cab, ROPS canopy, air conditioner, tip type teeth, 4500kg (9920 lb) counterweight for high lift boom and operator.
- Machine stability and operating weight are affected by counterweight, or ballast, tire size and other attachments. Use either counterweight or ballast, not both. Apply the following weight changes to operating weight and static tipping load.

| Weight Changes | Change in operating weight kg (lb) | Change in tipping load kg (lb) | |
|---|---|---|---|
| | | Straight | Full turn |
| Remove ROPS canopy | –1385 (–3,055) | –1220 (–2,690) | –1180 (–2,600) |
| Remove steel cab | –430 (–950) | –335 (–740) | –330 (–730) |
| Install additional couinter weight | +1600 (+3,530) | +3850 (+8,490) | +3400 (+7,500) |




Unit: mm (ft.in)

| | | 45/65-45 tires |
|---|---|---|
| | Tread | 3350 (11') |
| | Width over tires | 4585 (15'1") |
| A | Wheelbase | 5450 (17'11") |
| B | Hinge pin height, max. height | 7265 (23'10") |
| C | Hinge pin height, carry position | 850 (2'9") |
| D | Ground clearance | 550 (1'10") |
| E | Hitch height | 1390 (4'7") |
| F | Overall height, top of the stack | 5080 (16'8") |
| G | Overall height, ROPS and cab | 5275 (17'4") |
| M | Tilt back angle | 50° |

### Measured with 45/65-45 tires

| Buckets | | I | II |
|---|---|---|---|
| H. Dumping clearance, max. height and 45° dump angle** | | 5210 (17'1") | |
| J. Reach at max. height and 45° dump angle** | | 2315 (7'7") | |
| K. Operating height (fully raised) | | 9625 (31'7") | |
| L. Overall length | | 14480 (47'6") | |
| Turning radius* | | 11100 (35'8") | |
| Digging depth | 0° | 200 (7.9") | |
| | 10° | 620 (2'0") | |

* Bucket at carry, outside corner of bucket.
** At the end of teeth or B.O.C.



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## WA800-3 (for Load & Carry)

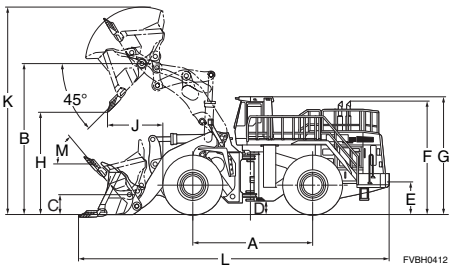
| | Capacity Heaped m³(cu.yd) | Struck m³ (cu.yd) | Bucket width* mm (ft.in) | Bucket weight kg (lb) | Breakout force kgf (lb) |
|---|---|---|---|---|---|
| I Excavating bucket (spade nose) with tip teeth | 14.0 (18.3) | 11.5 (15.0) | 5040 (16'6") | | 67000 (147,710) |

* Excluding tire protectors

| | Operating weight kg(lb) | | Static tipping load kg(lb) | | | |
|---|---|---|---|---|---|---|
| | | | Straight | | 40° full turn | |
| Tires/Buckets | I | II | I | II | I | II |
| 45/65-45-58PR(L4) | 100900 (222,440) | | 64700 (142,640) | | 57000 (125,660) | |

- All dimensions, weights and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, steel cab, ROPS canopy, air conditioner, tip type teeth, 5500kg (12130 lb) counterweight for Load & Carry and operator.
- Machine stability and operating weight are affected by counterweight, or ballast, tire size and other attachments. Use either counterweight or ballast, not both. Apply the following weight changes to operating weight and static tipping load.

| **Weight Changes** | Change in operating weight kg (lb) | Change in tipping load kg (lb) | |
|---|---|---|---|
| | | Straight | Full turn |
| Remove ROPS canopy | –1385 (–3,055) | –1220 (–2,690) | –1180 (–2,600) |
| Remove steel cab | –430 (–950) | –335 (–740) | –330 (–730) |
| Install additional couinter weight | +1600 (+3,530) | +3850 (+8,490) | +3400 (+7,500) |




Unit: mm (ft.in)

| | | 45/65-45 tires |
|---|---|---|
| | Tread | 3350 (11') |
| | Width over tires | 4585 (15'1") |
| A | Wheelbase | 5450 (17'11") |
| B | Hinge pin height, max. height | 6140 (20'2") |
| C | Hinge pin height, carry position | 850 (2'9") |
| D | Ground clearance | 550 (1'10") |
| E | Hitch height | 1390 (4'7") |
| F | Overall height, top of the stack | 5080 (16'8") |
| G | Overall height, ROPS and cab | 5275 (17'4") |
| M | Tilt back angle | 50° |

### Measured with 45/65-45 tires

| Buckets | | I | II |
|---|---|---|---|
| H. Dumping clearance, max. height and 45° dump angle** | | 3810 (12'6") | |
| J. Reach at max. height and 45° dump angle** | | 2680 (8'10") | |
| K. Operating height (fully raised) | | 8740 (28'8") | |
| L. Overall length | | 13280 (43'7") | |
| Turning radius* | | 11020 (36'2") | |
| Digging depth | 0° | 200 (7.9") | |
| | 10° | 670 (2'2") | |

* Bucket at carry, outside corner of bucket.
** At the end of teeth or B.O.C.

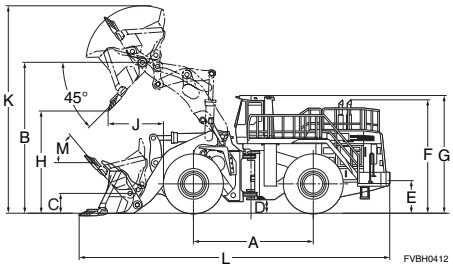


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## WA900-3E0




Unit: mm (ft.in)

| | | Standard boom | High lift boom |
|---|---|---|---|
| | Tread | 3350 (11'0") | |
| | Width over tires | 4585 (15'1") | |
| A | Wheelbase | 5450 (17'11") | |
| B | Hinge pin height, max. height | 6960 (22'10") | 7445 (24'5") |
| C | Hinge pin height, carry position | 800 (2'7") | |
| D | Ground clearance | 550 (1'10") | |
| E | Hitch height | 1390 (4'7") | |
| F | Overall height, top of the stack | 5130 (16'10") | |
| G | Overall height, ROPS cab | 5275 (17'4") | |
| M | Tilt back angle | 50° | |

### Measured with 45/65-45-58 (L5) tires

| Bucket type | | | Standard boom | High lift boom |
|---|---|---|---|---|
| | | | Excavating Bucket | Excavating Bucket |
| | | | Spade nose Tipteeth | Spade nose Teeth |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 13.0 (17.0) | 11.5 (15.0) |
| | Struck | $m^3$ ($yd^3$) | 11.0 (14.4) | 9.7 (12.7) |
| Bucket width | | mm (ft.in) | 4810 (15'9") | 4810 (15'9") |
| Bucket weight | | kg (lb) | 12330 (27,180) | 11370 (25,070) |
| Static tipping load | Straight | kg (lb) | 65670 (144,780) | 62540 (137,880) |
| | Full turn (43°) | kg (lb) | 57430 (126,610) | 55030 (121,320) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 4640 (15'3") | 5255 (17'3") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | 3650 (12'0") | 4020 (13'2") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 2450 (8'0") | 2235 (7'4") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | 4640 (15'3") | 4760 (15'7") |
| K. Operating height (fully raised) | | mm (ft.in) | 9680 (31'9") | 9875 (32'5") |
| L. Overall length | | mm ft.in) | 14490 (47'6") | 14685 (48'2") |
| Turning radius* | | mm (ft.in) | 11000 (72'2") | 11100 (72'10") |
| Digging depth | 0° | mm (ft.in) | 165 (6.5") | 160 (6.3") |
| | 10° | mm (ft.in) | 645 (2'1") | 610 (2'0") |
| Breakout force | | kN kgf (lb) | 666 67900 (149,690) | 703 71700 (158,070) |
| Operating weight | | kg (lb) | 107200 (236,340) | 107350 (236,670) |

* Bucket at carry, outside corner of bucket.
** At the end of tooth or B.O.C

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments. Apply the following weight changes to operating weight and static tipping load.

### Weight Changes

| | Operating weight | | Tipping Load | | | |
|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | |
| | kg | lb | kg | lb | kg | lb |
| Remove ROPS canopy | –1385 | –3,055 | –1220 | –2,690 | –1180 | –2,600 |
| Remove steel cab | –430 | –950 | –335 | –740 | –330 | –730 |



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## WA900-3

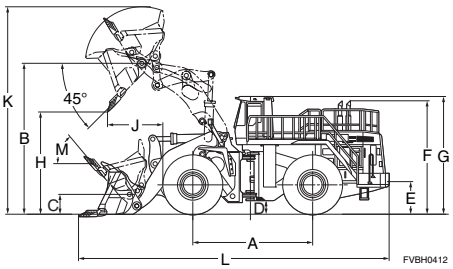
| | Capacity Heaped m³(cu.yd) | Struck m³ (cu.yd) | Bucket width* mm (ft.in) | Bucket weight kg (lb) | Breakout force kgf (lb) |
|---|---|---|---|---|---|
| I Excavating bucket (spade nose) with tip teeth | 13.0 (17.0) | 11.0 (14.4) | 4810 (15'9") | 12320 (27,160) | 67900 (149,690) |

* Excluding tire protectors

| | Operating weight kg(lb) | Static tipping load kg(lb) | |
|---|---|---|---|
| | | Straight | 40° full turn |
| Tires/Buckets | I | I | I |
| 45/65-45-58PR(L5) | 101550 (223,880) | 66140 (145,810) | 58200 (128,310) |

- All dimensions, weights and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, steel cab, ROPS canopy, air conditioner, tip type teeth and operator.
- Machine stability and operating weight are affected by counterweight, or ballast, tire size and other attachments. Use either counterweight or ballast, not both. Apply the following weight changes to operating weight and static tipping load.

| **Weight Changes** | Change in operating weight kg (lb) | Change in tipping load kg (lb) | |
|---|---|---|---|
| | | Straight | Full turn |
| Remove ROPS canopy | –1385 (–3,055) | –1220 (–2,690) | –1180 (–2,600) |
| Remove steel cab | –430 (–950) | –335 (–740) | –330 (–730) |




Unit: mm (ft.in)

| | | 45/65-45-Tires |
|---|---|---|
| | Tread | 3350 (11') |
| | Width over tires | 4585 (15'1") |
| A | Wheelbase | 5450 (17'11") |
| B | Hinge pin height, max. height | 6960 (22'10") |
| C | Hinge pin height, carry position | 800 (2'7") |
| D | Ground clearance | 550 (1'10") |
| E | Hitch height | 1300 (4'3") |
| F | Overall height, top of the stack | 5080 (16'8") |
| G | Overall height, ROPS and cab | 5275 (17'4") |
| M | Tilt back angle | 50° |

### Measured with 45/65-45 tires

| Bucket | | I |
|---|---|---|
| H. Dumping clearance, max. height and 45° dump angle** | | 4640 (15'3") |
| Reach at 2130 mm (7') cut edge clearance and 45° dump angle | | 3650 (12') |
| J. Reach at max. height and 45° dump angle** | | 2450 (8') |
| Reach with arm horizontal and bucket level | | 4640 (15'3") |
| K. Operating height (fully raised) | | 9680 (31'9") |
| L. Overall length | | 14270 (46'10") |
| Turning radius* | | 11000 (36'1") |
| Digging depth | 0° | 165 (6.5") |
| | 10° | 645 (2'1") |

* Bucket at carry, outside corner of bucket.
** At the end of teeth or B.O.C.



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## WA900-3 (with high lift boom)

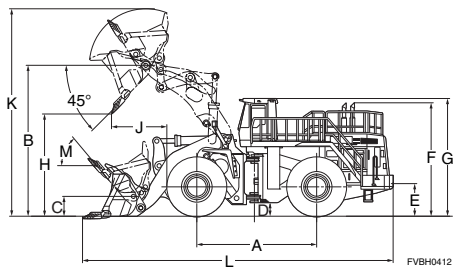
| | | Capacity Heaped m³(cu.yd) | Struck m³ (cu.yd) | Bucket width* mm (ft.in) | Bucket weight kg (lb) | Breakout force kgf (lb) |
|---|---|---|---|---|---|---|
| I | Excavating bucket (spade nose) with tip teeth | 11.5 (15.0) | 9.7 (12.7) | 4810 (15'9") | | 71700 (158,070) |

* Excluding tire protectors

| | Operating weight kg(lb) | Static tipping load kg(lb) | |
|---|---|---|---|
| | | Straight | 40° full turn |
| Tires/Buckets | I | I | I |
| 45/65-45-58PR(L5) | 101920 (224,690) | 62540 (137,880) | 55030 (121,320) |

- All dimensions, weights and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, steel cab, ROPS canopy, air conditioner, tip type teeth 5900kg (13010 lb) counterweight for high lift boom and operator.
- Machine stability and operating weight are affected by counterweight, or ballast, tire size and other attachments. Use either counterweight or ballast, not both. Apply the following weight changes to operating weight and static tipping load.

| **Weight Changes** | Change in operating weight kg (lb) | Change in tipping load kg (lb) | |
|---|---|---|---|
| | | Straight | Full turn |
| Remove ROPS canopy | –1385 (–3,055) | –1220 (–2,690) | –1180 (–2,600) |
| Remove steel cab | –430 (–950) | –335 (–740) | –330 (–730) |




Unit: mm (ft.in)

| | | 45/65-45-Tires |
|---|---|---|
| | Tread | 3350 (11') |
| | Width over tires | 4585 (15'1") |
| A | Wheelbase | 5450 (17'11") |
| B | Hinge pin height, max. height | 7445 (24'5") |
| C | Hinge pin height, carry position | 800 (2'7") |
| D | Ground clearance | 550 (1'10") |
| E | Hitch height | 1390 (4'7") |
| F | Overall height, top of the stack | 5080 (16'8") |
| G | Overall height, ROPS and cab | 5275 (17'4") |
| M | Tilt back angle | 50° |

### Measured with 45/65-45 tires

| Bucket | | I |
|---|---|---|
| H. Dumping clearance, max. height and 45° dump angle** | | 5255 (17'3") |
| Reach at 2130 mm (7') cut edge clearance and 45° dump angle | | 3650 (12') |
| J. Reach at max. height and 45° dump angle** | | 2235 (7'4") |
| Reach with arm horizontal and bucket level | | 4640 (15'3") |
| K. Operating height (fully raised) | | 9875 (32'5") |
| L. Overall length | | 14790 (47'6") |
| Turning radius* | | 11200 (36'9") |
| Digging depth | 0° | 160 (6") |
| | 10° | 610 (2'0") |

* Bucket at carry, outside corner of bucket.
** At the end of teeth or B.O.C.

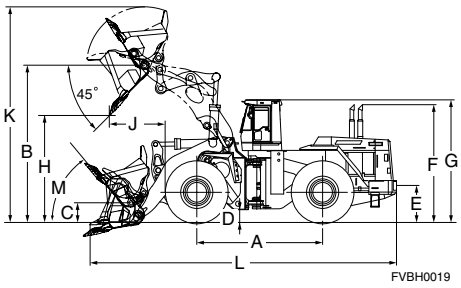


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## WA1200-6 (Standard boom)




Unit: mm (ft.in)

| | | 60/80 R57 tires | 58/85-57-84PR |
|---|---|---|---|
| | Tread | 4300 (14'1") | 4300 (14'1") |
| | Width over tires | 5820 (19'1") | 5720 (18'9") |
| A | Wheelbase | 7100 (23'4") | 7100 (23'4") |
| B | Hinge pin height, max. height | 8850 (29'0") | 8855 (29'1") |
| C | Hinge pin height, carry position | 1150 (3'5") | 1150 (3'5") |
| D | Ground clearance | 760 (2'6") | 765 (2'6") |
| E | Hitch height | 1415 (4'8") | 1420 (4'8") |
| F | Overall height, top of the stack | 6735 (22'1") | 6740 (22'1") |
| G | Overall height, ROPS and cab | 6970 (22'10") | 6975 (22'11") |
| M | Tilt back angle | 50° | |

| Boom | | | Standard Boom 6200mm (20'3") | | | |
|---|---|---|---|---|---|---|
| Tire | | | 60/80 R57 | | 58/85-57-84PR | |
| Bucket type | | | Rock Bucket | Coal Bucket | Rock Bucket | Coal Bucket |
| | | | Spade nose with teeth | Spade nose without teeth | Spade nose with teeth | Spade nose without teeth |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 20.0 (26.2) | 35.0 (45.8) | 20.0 (26.2) | 35.0 (45.8) |
| | Struck | $m^3$ ($yd^3$) | 17.2 (22.5) | 30.2 (39.5) | 17.2 (22.5) | 30.2 (39.5) |
| Bucket width | | mm (ft.in) | 6400 (21'0") | 6400 (21'0") | 6400 (21'0") | 6400 (21'0") |
| Bucket width with tire protector | | mm (ft.in) | 6550 (21'6") | - | 6550 (21'6") | - |
| Bucket weight | | kg (lb) | 22780 (50,220) | 24620 (54,280) | 22780 (50,220) | 24620 (54,280) |
| Static tipping load | Straight | kg (lb) | 121930 (268,800) | 120530 (265,730) | 122530 (270,130) | 121130 (267,050) |
| | Full turn (43°) | kg (lb) | 107060 (236,000) | 105830 (233,320) | 107580 (237,180) | 106350 (234,460) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 6305 (20'8") | 6310 (20'8") | 6310 (20'8") | 6315 (20'9") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 2890 (9'6") | 3030 (9'11") | 2890 (9'6") | 3030 (9'11") |
| K. Operating height (fully raised) | | mm (ft.in) | 12205 (40'1") | 12980 (42'7") | 12210 (40'1") | 12985 (42'7") |
| L. Overall length | | mm ft.in) | 18310 (60'1") | 18405 (60'5") | 18305 (60'1") | 18400 (60'4") |
| Turning radius* | | mm (ft.in) | 14330 (47'0") | 14320 (47'0") | 14330 (47'0") | 14320 (47'0") |
| Digging depth | 0° | mm (ft.in) | 250 (9.8") | 145 (5.7") | 245 (9.6") | 140 (5.5") |
| | 10° | mm (ft.in) | 785 (2'7") | 700 (2'4") | 780 (2'7") | 695 (2'3") |
| Breakout force | | kN<br>kgf<br>(lb) | 1275<br>130000<br>(286,600) | 1029<br>105000<br>(231,500) | 1275<br>130000<br>(286,600) | 1029<br>105000<br>(231,500) |
| Operating weight | | kg<br>(lb) | 216400<br>(477,100) | 217800<br>(480,200) | 217220<br>(478,900) | 218620<br>(482,000) |

* Bucket at carry, outside corner of bucket.
** At the end of B.O.C. or teeth

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.
- Use either counterweight or ballast, not both.

### Weight Changes

| Tires or attachments | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Ground Clearance | | Change in Vertical Dimensions | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in |
| 58/85-57-84PR | +820 | +1,810 | +600 | +1,320 | +520 | +1,150 | 5720 | 18'9" | 465 | 2'6" | +5 | +0.2" |

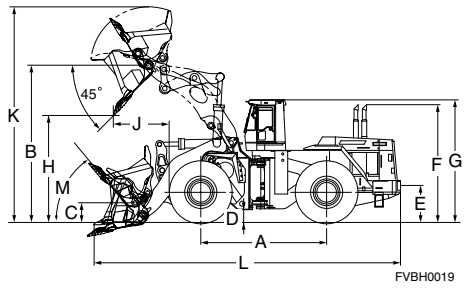


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## WA1200-6 (with high lift boom)




Unit: mm (ft.in)

| | | 60/80 R57 tires | 58/85-57-84PR |
|---|---|---|---|
| | Tread | 4300 (14'1") | 4300 (14'1") |
| | Width over tires | 5820 (19'1") | 5720 (18'9") |
| A | Wheelbase | 7100 (23'4") | 7100 (23'4") |
| B | Hinge pin height, max. height | 8850 (29'0") | 8855 (29'1") |
| C | Hinge pin height, carry position | 1150 (3'5") | 1150 (3'5") |
| D | Ground clearance | 760 (2'6") | 765 (2'6") |
| E | Hitch height | 1415 (4'8") | 1420 (4'8") |
| F | Overall height, top of the stack | 6735 (22'1") | 6740 (22'1") |
| G | Overall height, ROPS and cab | 6970 (22'10") | 6975 (22'11") |
| M | Tilt back angle | 50° | |

| Boom | | | High Lift Boom 6780mm (22'2") | | | |
|---|---|---|---|---|---|---|
| Tire | | | 60/80 R57 | | 58/85-57-84PR | |
| Bucket type | | | Rock Bucket | Coal Bucket | Rock Bucket | Coal Bucket |
| | | | Spade nose with teeth | Spade nose without teeth | Spade nose with teeth | Spade nose without teeth |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 18.0 (23.5) | 35.0 (45.8) | 18.0 (23.5) | 35.0 (45.8) |
| | Struck | $m^3$ ($yd^3$) | 15.0 (19.6) | 30.2 (39.5) | 15.0 (19.6) | 30.2 (39.5) |
| Bucket width | | mm (ft.in) | 6400 (21'0") | 6400 (21'0") | 6400 (21'0") | 6400 (21'0") |
| Bucket width with tire protector | | mm (ft.in) | 6550 (21'6") | - | 6550 (21'6") | - |
| Bucket weight | | kg (lb) | 22400 (49,380) | 24620 (54,280) | 22400 (49,380) | 24620 (54,280) |
| Static tipping load | Straight | kg (lb) | 110950 (244,580) | 108850 (239,970) | 111550 (245,920) | 109450 (241,300) |
| | Full turn (43°) | kg (lb) | 97410 (214,760) | 95570 (210,700) | 97940 (215,920) | 96100 (211,860) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 7065 (23'2") | 6990 (22'11") | 7070 (23'2") | 6995 (22'11") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 2930 (9'7") | 3135 (10'3") | 2930 (9'7") | 3135 (10'3") |
| K. Operating height (fully raised) | | mm (ft.in) | 12785 (41'11") | 13660 (44'10") | 12790 (42'0") | 13665 (44'10") |
| L. Overall length | | mm ft.in) | 18945 (62'2") | 19140 (62'10") | 18940 (62'2") | 19135 (62'9") |
| Turning radius* | | mm (ft.in) | 14615 (47'11") | 14650 (48'1") | 14615 (47'11") | 14650 (48'1") |
| Digging depth | 0° | mm (ft.in) | 250 (9.8") | 145 (5.7") | 245 (9.6") | 140 (5.5") |
| | 10° | mm (ft.in) | 770 (2'6") | 685 (2'3") | 765 (2'6") | 680 (2'3") |
| Breakout force | | kN<br>kgf<br>(lb) | 1236<br>126000<br>(277,780) | 1000<br>102000<br>(224,800) | 1236<br>126000<br>(277,780) | 1000<br>102000<br>(224,800) |
| Operating weight | | kg<br>(lb) | 218300<br>(481,300) | 219700<br>(484,400) | 219150<br>(483,150) | 220550<br>(486,250) |

* Bucket at carry, outside corner of bucket.
** At the end of B.O.C. or teeth

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.
- Use either counterweight or ballast, not both.

### Weight Changes

| Tires or attachments | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Ground Clearance | | Change in Vertical Dimensions | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in |
| 58/85-57-84PR | +820 | +1,810 | +540 | +1,190 | +470 | +1,040 | 5720 | 18'9" | 765 | 2'6" | +5 | +0.2" |

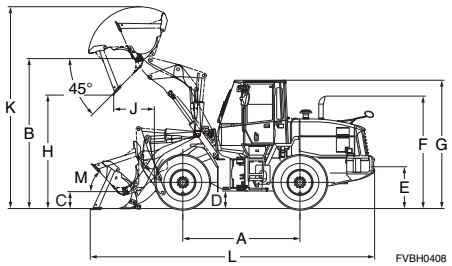


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## WA150-6 (for USA)




Unit: mm (ft.in)

| | | 15.5-25 tires | 17.5-25 tires |
|---|---|---|---|
| | Tread | 1780 (5'10") | 1780 (5'11") |
| | Width over tires | 2180 (7'2") | 2220 (7'3") |
| A | Wheelbase | 2600 (8'6") | 2600 (8'6") |
| B | Hinge pin height, max. height | 3475 (11'5") | 3510 (11'6") |
| C | Hinge pin height, carry position | 360 (1'2") | 355 (1'2") |
| D | Ground clearance | 390 (1'3") | 425 (1'5") |
| E | Hitch height | 790 (2'7") | 825 (2'8") |
| F | Overall height, top of the stack | 2485 (8'2") | 2520 (8'3") |
| G | Overall height, ROPS cab | 3025 (9'11") | 3060 (10'0") |
| M | Tilt back angle | 46° | |

### Measured with 17.5-25-12PR (L2) tires, ROPS/FOPS cab

| Bucket type | | | Stockpile Bucket With Bolt-on Cutting Edge | Excavating Bucket With Bolt-on Cutting Edge | Light Material Bucket With Bolt-on Cutting Edge |
|---|---|---|---|---|---|
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 1.5 (2.0) | 1.3 (1.7) | 1.7 (2.2) |
| | Struck | $m^3$ ($yd^3$) | 1.25 (1.6) | 1.1 (1.4) | 1.5 (2.0) |
| Bucket width | | mm (ft.in) | 2390 (7'10") | 2390 (7'10") | 2390 (7'10") |
| Bucket weight | | kg (lb) | 595 (1,310) | 580 (1,280) | 665 (1,470) |
| Static tipping load | Straight | kg (lb) | 6745 (14,873) | 6785 (14,963) | 6650 (14,863) |
| | Full turn (40°) | kg (lb) | 5870 (12,939) | 5905 (13,014) | 5790 (12,769) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2730 (8'11") | 2770 (9'1") | 2655 (8'9") |
| Reach at 2130 mm (7') and 45° dump angle** | | mm (ft.in) | 1360 (4'6") | 1340 (4'5") | 1395 (4'7") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 945 (3'1") | 905 (3'0") | 1020 (3'4") |
| Reach with arm horizontal and bucket level** | | mm (ft.in) | 2030 (6'8") | 1970 (6'5") | 2135 (7'0") |
| K. Operating height (fully raised) | | mm (ft.in) | 4655 (15'3") | 4685 (15'4") | 4735 (15'6") |
| L. Overall length, bucket on ground | | mm (ft.in) | 6310 (20'8") | 6250 (20'6") | 6415 (21'1") |
| Turning radius* | | mm (ft.in) | 5380 (17'8") | 5360 (17'7") | 5405 (17'9") |
| Digging depth | 0° | mm (ft.in) | 65 (2.5") | 65 (2.5") | 65 (2.5") |
| | 10° | mm (ft.in) | 230 (9.0") | 220 (8.6") | 245 (9.6") |
| Breakout force | | kN<br>kgf (lb) | 72.6<br>7400 (16,310) | 78.6<br>8010 (17,660) | 64.0<br>6530 (14,400) |
| Operating weight | | kg (lb) | 7850 (17,311) | 7835 (17,271) | 7920 (17,461) |

* Bucket at carry, outside corner of bucket.
** At the end of B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Change in Width Over Tires | | Change in Ground Clearance | | Change in Vertical Dimensions | | Change in Reach | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in | mm | ft.in |
| 15.5-25-8PR (L2) | –140 | –309 | –100 | –221 | –90 | –198 | 2180 | 7'2" | 390 | 1'3" | –35 | –1.4" | 15 | 0.6" |
| Install ROPS canopy (instead of cab) | –150 | –331 | –160 | –353 | –150 | –331 | | | | | | | | |
| Additional counterweight | +200 | +441 | +380 | +838 | +330 | +728 | | | | | | | | |

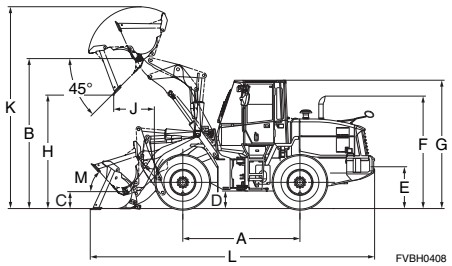


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## WA200-6 (for USA)




Unit: mm (ft.in)

| | | 17.5-25 tires | 20.5-25 tires |
|---|---|---|---|
| | Tread | 1930 (6'4") | 1930 (6'4") |
| | Width over tires | 2375 (7'10") | 2470 (8'1") |
| A | Wheelbase | 2840 (9'4") | 2840 (9'4") |
| B | Hinge pin height, max. height | 3635 (11'11") | 3705 (12'2") |
| C | Hinge pin height, carry position | 410 (1'4") | 380 (1'3") |
| D | Ground clearance | 425 (1'5") | 495 (1'8") |
| E | Hitch height | 870 (2'10") | 940 (3'1") |
| F | Overall height, top of the stack | 2725 (8'11") | 2795 (9'2") |
| G | Overall height, ROPS cab | 3110 (10'2") | 3180 (10'5") |
| M | Tilt back angle | 48° | |

### Measured with 20.5-25-12PR (L3) tires, ROPS/FOPS cab

| Bucket type | | | Stockpile Bucket With Bolt-on Cutting Edge | Excavating Bucket With Bolt-on Cutting Edge | Light Material Bucket With Bolt-on Cutting Edge |
|---|---|---|---|---|---|
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 2.0 (2.6) | 1.7 (2.2) | 2.4 (3.1) |
| | Struck | $m^3$ ($yd^3$) | 1.7 (2.2) | 1.4 (1.8) | 2.0 (2.6) |
| Bucket width | | mm (ft.in) | 2550 (8'4") | 2550 (8'4") | 2550 (8'4") |
| Bucket weight | | kg (lb) | 785 (1,731) | 740 (1,631) | 875 (1,929) |
| Static tipping load | Straight | kg (lb) | 9690 (21,363) | 9750 (21,495) | 9540 (21,032) |
| | Full turn (40°) | kg (lb) | 8345 (18,397) | 8405 (18,530) | 8195 (18,067) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2830 (9'3") | 2885 (9'6") | 2725 (8'11") |
| Reach at 2130 mm (7') and 45° dump angle** | | mm (ft.in) | 1410 (4'8") | 1385 (4'7") | 1460 (4'9") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 930 (3'1") | 875 (2'10") | 1035 (3'5") |
| Reach with arm horizontal and bucket level** | | mm (ft.in) | 2145 (7'0") | 2065 (6'9") | 2295 (7'6") |
| K. Operating height (fully raised) | | mm (ft.in) | 4955 (16'3") | 4835 (15'10") | 5065 (16'7") |
| L. Overall length, bucket on ground | | mm (ft.in) | 6895 (22'7") | 6815 (22'4") | 7050 (23'2") |
| Turning radius* | | mm (ft.in) | 5850 (19'2") | 5830 (18'5") | 5890 (19'4") |
| Digging depth | 0° | mm (ft.in) | 65 (2.6") | 65 (2.6") | 65 (2.6") |
| | 10° | mm (ft.in) | 250 (9.8") | 235 (9.3") | 275 (10.8") |
| Breakout force | | kN<br>kgf (lb) | 93.2<br>9500 (20,944) | 102.5<br>10450 (23,038) | 81.4<br>8300 (18,298) |
| Operating weight | | kg (lb) | 10550 (23,259) | 10505 (23,160) | 10640 (23,457) |

* Bucket at carry, outside corner of bucket.
** At the end of B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Change in Vertical Dimensions | | Change in Reach | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in |
| 17.5-25-12PR (L2) | –585 | –1,290 | –445 | –981 | –390 | –860 | –70 | –2.8" | 70 | 2.8" |
| 17.5-25-12PR (L3) | –480 | –1,058 | –365 | –805 | –320 | –705 | –70 | –2.8" | 70 | 2.8" |
| 20.5-25-12PR (L2) | –185 | –331 | –140 | –309 | –120 | –265 | 0 | 0" | 0 | 0" |
| Install ROPS canopy (instead of cab) | –150 | –331 | –150 | –331 | –130 | –287 | | | | |

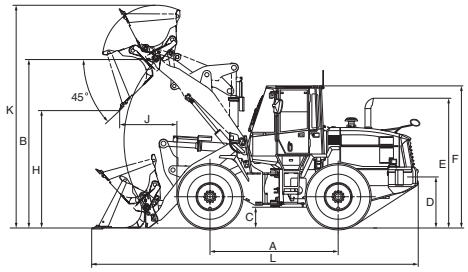


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## WA200PZ-6 (for USA)




Unit: mm (ft.in)

| | | 20.5-25 tires |
|---|---|---|
| | Tread | 1930 (6'4") |
| | Width over tires | 2375 (7'10") |
| A | Wheelbase | 2840 (9'4") |
| B | Hinge pin height, max. height | 3815 (12'6") |
| C | Ground clearance | 425 (1'5") |
| D | Hitch height | 870 (2'10") |
| E | Overall height, top of the stack | 2725 (8'11") |
| F | Overall height, ROPS cab | 3110 (10'2") |

### Bucket

### Measured with 20.5-25-12PR (L2) tires

| Bucket type | | | Stockpile Bucket With Bolt-on Cutting Edge | |
|---|---|---|---|---|
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 1.9 (2.5) | 2.1 (2.75) |
| | Struck | $m^3$ ($yd^3$) | 1.6 (2.1) | 1.8 (2.3) |
| Bucket width | | mm (ft.in) | 2550 (8'4") | 2550 (8'4") |
| Bucket weight | | kg (lb) | 937 (2,066) | 1005 (2,215) |
| Static tipping load | Straight | kg (lb) | 8145 (17,955) | 8020 (17,680) |
| | Full turn (40°) | kg (lb) | 7085 (15,620) | 6975 (15,375) |
| H. Dumping clearance, max. height and 45° dump angle* | | mm (ft.in) | 2815 (9'3") | 2760 (9'0") |
| Reach at 2130 mm (7') and 45° dump angle* | | mm (ft.in) | 1630 (5'4") | 1650 (5'5") |
| J. Reach at max. height and 45° dump angle* | | mm (ft.in) | 1075 (3'6") | 1130 (3'8") |
| Reach with arm horizontal and bucket level* | | mm (ft.in) | 2515 (8'3") | 2590 (8'6") |
| K. Operating height (fully raised) | | mm (ft.in) | 5145 (16'10") | 5230 (17'2") |
| L. Overall length, bucket on ground | | mm (ft.in) | 7405 (24'4") | 7480 (24'6") |
| Digging depth | 0° | mm (ft.in) | 126 (5.0") | 110 (4.3") |
| | 10° | mm (ft.in) | 347 (13.7") | 338 (13.3") |
| Breakout force | | kN<br>kgf (lb) | 89.8<br>9167 (20,210) | 84.4<br>8614 (18,990) |
| Operating weight | | kg (lb) | 11465 (25,275) | 11530 (25,420) |

* At the end of B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Change in Vertical Dimensions | | Change in Reach | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in |
| 17.5-25-16PR (L2) | –325 | –716 | –215 | –474 | –185 | –408 | –70 | –2.8" | +75 | +3.0" |
| 17.5-25-16PR (L3) | –290 | –639 | –190 | –419 | –167 | –368 | –70 | –2.8" | +75 | +3.0" |
| 20.5-25-12PR (L3) | +165 | +364 | +105 | +231 | +95 | +209 | 0 | 0" | 0 | 0" |
| Install ROPS canopy (instead of cab) | –167 | –368 | –152 | –335 | –134 | –295 | | | | |

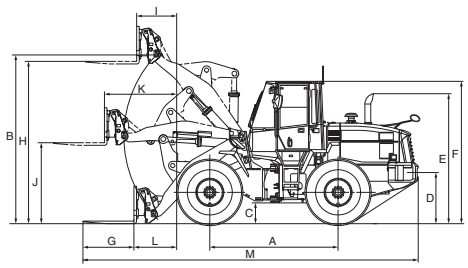


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## WA200PZ-6 (for USA)




Unit: mm (ft.in)

| | | 20.5-25 tires |
|---|---|---|
| | Tread | 1930 (6'4") |
| | Width over tires | 2375 (7'10") |
| A | Wheelbase | 2840 (9'4") |
| B | Hinge pin height, max. height | 3815 (12'6") |
| C | Ground clearance | 425 (1'5") |
| D | Hitch height | 870 (2'10") |
| E | Overall height, top of the stack | 2725 (8'11") |
| F | Overall height, ROPS cab | 3110 (10'2") |

### Fork

### Measured with 20.5-25-12PR (L2) tires, ROPS/FOPS cab

| | | | |
|---|---|---|---|
| G | Fork tine length | mm (in) | 1220 (48") |
| | Fork weight | kg (lb) | 683 (1506) |
| H | Ground to top of tine at maximum lift | mm (ft.in) | 3740 (12'3") |
| I | Reach at maximum height | mm (ft.in) | 2030 (6'8") |
| J | Ground to top of tine - boom and tine level | mm (ft.in) | 1750 (5'9") |
| K | Reach - boom and tine level | mm (ft.in) | 2935 (9'7") |
| L | Reach - tine level on ground | mm (ft.in) | 2330 (7'8") |
| M | Overall length - tine level on ground | mm (ft.in) | 7810 (25'7") |
| | Operating height, fully raised | mm (ft.in) | 4980 (16'4") |
| | Operating load | kg (lb) | 2542 (5,605) |
| | Static tipping load - boom and fork level, 610 mm (24") load center<br>Straight | kg (lb) | 5845 (12,885) |
| | Full turn (40°) | kg (lb) | 5085 (11,210) |
| | Operating weight | kg (lb) | 11470 (25,285) |

Operating load per SAE J1197 (Feb. 1991), 50% of static tipping load.

Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator. Machine stability and operating weight affected by tire size and attachments.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Change in Vertical Dimensions | | Change in Reach | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in |
| 17.5-25-16PR (L2) | –325 | –716 | –215 | –474 | –185 | –408 | –70 | –2.8" | +75 | +3.0" |
| 17.5-25-16PR (L3) | –290 | –639 | –190 | –419 | –167 | –368 | –70 | –2.8" | +75 | +3.0" |
| 20.5-25-12PR (L3) | +165 | +364 | +105 | +231 | +95 | +209 | 0 | 0" | 0 | 0" |
| Install ROPS canopy (instead of cab) | –167 | –368 | –152 | –335 | –134 | –295 | | | | |

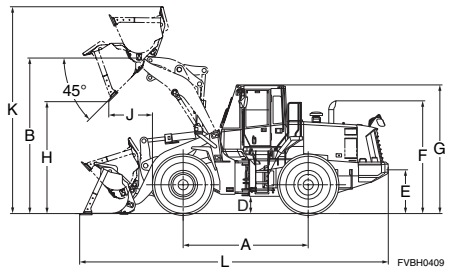


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## WA250-6 (for USA)




Unit: mm (ft.in)

| | | 17.5-25 tires | 20.5-25 tires |
|---|---|---|---|
| | Tread | 1930 (6'4") | 1930 (6'4") |
| | Width over tires | 2375 (7'10") | 2470 (8'1") |
| A | Wheelbase | 2900 (9'6") | 2900 (9'6") |
| B | Hinge pin height, max. height | 3725 (12'3") | 3795 (12'5") |
| C | Hinge pin height, carry position | 375 (1'3") | 450 (1'6") |
| D | Ground clearance | 395 (1'4") | 465 (1'6") |
| E | Hitch height | 880 (2'11") | 950 (3'1") |
| F | Overall height, top of the stack | 2855 (9'4") | 2925 (9'7") |
| G | Overall height, ROPS cab | 3130 (10'3") | 3200 (10'6") |
| M | Tilt back angle | 50° | |

### Measured with 20.5-25-12PR (L2) tires, ROPS/FOPS cab

| Bucket type | | | Stockpile Bucket with Bolt-on Cutting Edge | Excavating Bucket with Bolt-on Cutting Edge | Light Material Bucket with Bolt-on Cutting Edge |
|---|---|---|---|---|---|
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 2.3 (3.0) | 1.9 (2.5) | 2.7 (3.5) |
| | Struck | $m^3$ ($yd^3$) | 2.0 (2.6) | 1.6 (2.1) | 2.3 (3.0) |
| Bucket width | | mm (ft.in) | 2685 (8'10") | 2685 (8'10") | 2685 (8'10") |
| Bucket weight | | kg (lb) | 960 (2,116) | 905 (1,995) | 1050 (2,315) |
| Static tipping load | Straight | kg (lb) | 11960 (26,367) | 12080 (26,632) | 11805 (26,026) |
| | Full turn (40°) | kg (lb) | 10525 (23,204) | 10630 (23,435) | 10385 (22,895) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2850 (9'4") | 2925 (9'7") | 2755 (9'0") |
| Reach at 2130 mm (7') and 45° dump angle** | | mm (ft.in) | 1495 (4'11") | 1455 (4'9") | 1540 (5'1") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 985 (3'3") | 910 (3'0") | 1080 (3'7") |
| Reach with arm horizontal and bucket level** | | mm (ft.in) | 2235 (7'4") | 2130 (7'0") | 2360 (7'9") |
| K. Operating height (fully raised) | | mm (ft.in) | 5065 (16'7") | 4945 (16'3") | 5200 (17'1") |
| L. Overall length, bucket on ground | | mm (ft.in) | 7055 (23'2") | 6015 (19'9") | 7185 (23'7") |
| Turning radius* | | mm (ft.in) | 6030 (19'9") | 5780 (19'0") | 6110 (20'1") |
| Digging depth | 0° | mm (ft.in) | 75 (3.0") | 75 (3.0") | 75 (3.0") |
| | 10° | mm (ft.in) | 265 (10.4") | 245 (9.7") | 285 (11.2") |
| Breakout force | | kN<br>kgf (lb) | 121<br>12340 (27,210) | 136<br>13850 (30,535) | 108<br>11000 (24,250) |
| Operating weight | | kg (lb) | 11545 (25,448) | 11540 (25,441) | 11685 (25,761) |

* Bucket at carry, outside corner of bucket.
** At the end of B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Change in Vertical Dimensions | | Change in Reach | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in |
| 17.5-25-16PR (L2) | –280 | –617 | –215 | –474 | –190 | –419 | –70 | –2.8" | +70 | +2.8" |
| 17.5-25-16PR (L3) | –225 | –496 | –170 | –375 | –155 | –342 | –70 | –2.8" | +70 | +2.8" |
| 20.5-25-12PR (L3) | +150 | +331 | +110 | +243 | +90 | +198 | 0 | 0" | 0 | 0" |
| Install ROPS canopy (instead of cab) | –150 | –331 | –150 | –331 | –130 | –287 | | | | |

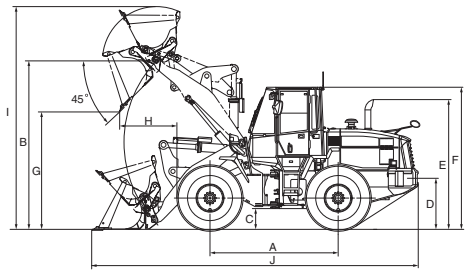


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## WA250PZ-6 (for USA)




Unit: mm (ft.in)

| | Standard tire | 17.5/25-12PR (L2) | 20.5/25-12PR (L2) |
|---|---|---|---|
| | Tread | 1930 (6'4") | 1930 (6'4") |
| | Width over tires | 2375 (7'10") | 2464 (8'1") |
| A | Wheelbase | 2900 (9'6") | 2900 (9'6") |
| B | Hinge pin height, max. height | 3895 (12'9") | 3861 (12'8") |
| C | Ground clearance | 395 (1'4") | 465 (1'6") |
| D | Hitch height | 880 (2'11") | 965 (3'2") |
| E | Overall height, top of the stack | 2855 (9'4") | 3124 (10'3") |
| F | Overall height, ROPS cab | 3130 (10'3") | 3251 (10'8") |

### Bucket

### Measured with 20.5-25-12PR (L2) tires

| Bucket type | | | Stockpile Bucket with Bolt-on Cutting Edge | |
|---|---|---|---|---|
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 1.9 (2.5) | 2.3 (3.0) |
| | Struck | $m^3$ ($yd^3$) | 1.6 (2.1) | 2.0 (2.6) |
| Bucket width | | mm (ft.in) | 2685 (8'10") | 2692 (8'10") |
| Bucket weight | | kg (lb) | 1015 (2,236) | 1092 (2,408) |
| Static tipping load | Straight | kg (lb) | 9420 (20,767) | 8925 (19,676) |
| | Full turn (40°) | kg (lb) | 8195 (18,067) | 7765 (17,119) |
| H. Dumping clearance, max. height and 45° dump angle* | | mm (ft.in) | 2935 (9'8") | 2861 (9'5") |
| Reach at 2130 mm (7') and 45° dump angle* | | mm (ft.in) | 1637 (5'4") | 1672 (5'6") |
| J. Reach at max. height and 45° dump angle* | | mm (ft.in) | 1015 (3'4") | 1088 (3'7") |
| Reach with arm horizontal and bucket level* | | mm (ft.in) | 2448 (8'0") | 2552 (8'4") |
| K. Operating height (fully raised) | | mm (ft.in) | 5255 (17'3") | 5358 (17'7") |
| L. Overall length, bucket on ground | | mm (ft.in) | 7233 (23'9") | 7337 (24'1") |
| Digging depth | 0° | mm (ft.in) | 110 (4.3") | 110 (4.3") |
| | 10° | mm (ft.in) | 320 (12.6") | 338 (13'3") |
| Breakout force | | kN<br>kgf (lb) | 118<br>12015 (26,490) | 108<br>11000 (24,250) |
| Operating weight | | kg (lb) | 12520 (27,601) | 12600 (27,778) |

* At the end of B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Change in Vertical Dimensions | | Change in Reach | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in |
| 17.5-25-16PR (L2) | –300 | –661 | –200 | –441 | –170 | –375 | –70 | –2.8" | +70 | +2.8" |
| 17.5-25-16PR (L3) | –260 | –573 | –170 | –375 | –150 | –331 | –70 | –2.8" | +70 | +2.8" |
| 20.5-25-12PR (L3) | +165 | +364 | +110 | +243 | +95 | +209 | 0 | 0" | 0 | 0" |
| Install ROPS canopy (instead of cab) | –165 | –364 | –145 | –320 | –125 | –276 | | | | |

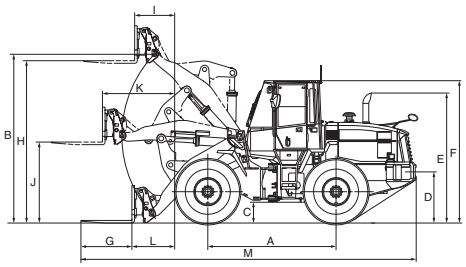


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## WA250PZ-6 (for USA)




Unit: mm (ft.in)

| | | 17.5/25-12PR (L2) | 20.5/25-12PR (L2) |
|---|---|---|---|
| | Standard tire | | |
| | Tread | 1930 (6'4") | 1930 (6'4") |
| | Width over tires | 2375 (7'10") | 2464 (8'1") |
| A | Wheelbase | 2900 (9'6") | 2900 (9'6") |
| B | Hinge pin height, max. height | 3895 (12'9") | 3861 (12'8") |
| C | Ground clearance | 395 (1'4") | 465 (1'6") |
| D | Hitch height | 880 (2'11") | 965 (3'2") |
| E | Overall height, top of the stack | 2855 (9'4") | 3124 (10'3") |
| F | Overall height, ROPS cab | 3130 (10'3") | 3251 (10'8") |

### Fork

### Measured with 20.5-25-12PR (L2) tires, ROPS/FOPS cab

| | | | |
|---|---|---|---|
| G | Fork tine length | mm (in) | 1524 (60") |
| | Fork weight | kg (lb) | 683 (1,506) |
| H | Ground to top of tine at maximum lift | mm (ft.in) | 3820 (12'6") |
| I | Reach at maximum height | mm (ft.in) | 2324 (7'7") |
| J | Ground to top of tine - boom and tine level | mm (ft.in) | 1817 (6'0") |
| K | Reach - boom and tine level | mm (ft.in) | 3233 (10'7") |
| L | Reach - tine level on ground | mm (ft.in) | 2573 (8'5") |
| M | Overall length - tine level on ground | mm (ft.in) | 8034 (26'4") |
| | Static tipping load - boom and fork level, 610 mm (24") load center<br>Straight | kg (lb) | 6630 (14,616) |
| | Full turn (40°) | kg (lb) | 5770 (12,721) |
| | Operating height, fully raised | mm (ft.in) | 5255 (17'3") |
| | Operating load | kg (lb) | 2885 (6,360) |
| | Operating weight | kg (lb) | 12160 (26,808) |

Operating load per SAE J1197 (Feb. 1991), 50% of static tipping load.

Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator. Machine stability and operating weight affected by tire size and attachments.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Change in Vertical Dimensions | | Change in Reach | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in |
| 17.5-25-16PR (L2) | –300 | –661 | –140 | –309 | –170 | –375 | –70 | –2.8" | +70 | +2.8" |
| 17.5-25-16PR (L3) | –260 | –573 | –125 | –276 | –150 | –331 | –70 | –2.8" | +70 | +2.8" |
| 20.5-25-12PR (L3) | +165 | +364 | +80 | +176 | +95 | +209 | 0 | 0" | 0 | 0" |
| Install ROPS canopy (instead of cab) | –165 | –364 | –105 | –231 | –125 | –276 | | | | |

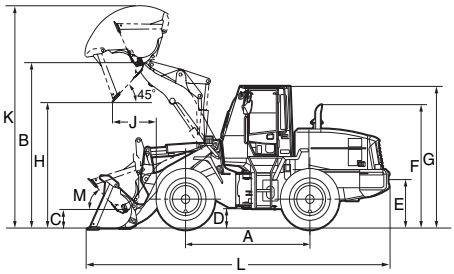


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## WA320-6 (USA source)




Unit: mm (ft.in)

| | | |
|---|---|---|
| | Tread | 2050 (6'9") |
| | Width over tires | 2585 (8'6") |
| A | Wheelbase | 3030 (9'11") |
| B | Hinge pin height, max. height | 3905 (12'10")/4545 (14'10")*** |
| C | Hinge pin height, carry position | 480 (1'7")/645 (2'1")*** |
| D | Ground clearance | 425 (1'5") |
| E | Hitch height | 1095 (3'7") |
| F | Overall height, top of the stack | 2975 (9'9") |
| G | Overall height, ROPS cab | 3200 (10'6") |
| M | Tilt back angle | 47° |

### Measured with 20.5-25-12PR (L2) tires

| Bucket type | | | Stockpile Bucket With Bolt-on Cutting Edge | Excavating Bucket With Bolt-on Cutting Edge | Light Material Bucket With Bolt-on Cutting Edge | Boom High Lift Stockpile Bucket |
|---|---|---|---|---|---|---|
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 2.8 (3.7) | 2.3 (3.0) | 3.2 (4.2) | 2.3 (3.0) |
| | Struck | $m^3$ ($yd^3$) | 2.4 (3.1) | 2.0 (2.6) | 2.8 (3.7) | 2.0 (2.6) |
| Bucket width | | mm (ft.in) | 2740 (9'0") | 2740 (9'0") | 2685 (8'10") | 2740 (9'0") |
| Bucket weight | | kg (lb) | 1230 (2,712) | 1195 (2,634) | 1410 (3,110) | 1195 (2,634) |
| Static tipping load | Straight | kg (lb) | 12535 (27,635) | 12750 (28,110) | 12610 (27,800) | 9520 (20,090) |
| | Full turn (40°) | kg (lb) | 11140 (24,560) | 11360 (25,045) | 11215 (24,725) | 8460 (18,650) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2850 (9'4") | 2955 (9'8") | 2715 (8'11") | 3595 (11'10") |
| Reach at 2130 mm (7') and 45° dump angle | | mm (ft.in) | 1580 (5'2") | 1530 (5'0") | 1640 (5'5") | 2080 (6'10") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1035 (3'5") | 930 (3'1") | 1170 (3'10") | 950 (3'1") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | 2420 (7'11") | 2275 (7'6") | 2610 (8'7") | 2785 (9'2") |
| K. Operating height (fully raised) | | mm (ft.in) | 5325 (17'6") | 5135 (16'10") | 5405 (17'9") | 5775 (18'11") |
| L. Overall length, bucket on ground | | mm (ft.in) | 7415 (24'8") | 7370 (24'2") | 7705 (25'3") | 8005 (26'3") |
| Turning radius* | | mm (ft.in) | 6260 (20'6") | 6220 (20'5") | 6290 (20'8") | 6330 (20'9") |
| Digging depth | 0° | mm (ft.in) | 85 (3.3") | 85 (3.3") | 85 (3.3") | 131 (5.2") |
| | 10° | mm (ft.in) | 296 (11.6") | 275 (11") | 320 (1'1") | 316 (1'1") |
| Breakout force | | kN<br>kgf (lb) | 129<br>13180 (29,060) | 148<br>15140 (33,380) | 111<br>11280 (24,870) | 133<br>13000 (29,980) |
| Operating weight | | kg (lb) | 14370 (31,680) | 14330 (31,590) | 14545 (32,070) | 14550 (32,080) |

* Bucket at carry, outside corner of bucket.
** At the end of tooth or B.O.C.
*** High lift boom

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab, additional counterweight and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Ground Clearance | | Change in Vertical Dimensions | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in |
| 20.5-25-12PR (L2) | –210 | –463 | –165 | –364 | –165 | –364 | 2585 | 8'6" | 425 | 1'5" | 0 | 0 |
| Install ROPS canopy (instead of cab) | –150 | –331 | –150 | –331 | –140 | –309 | | | | | | |

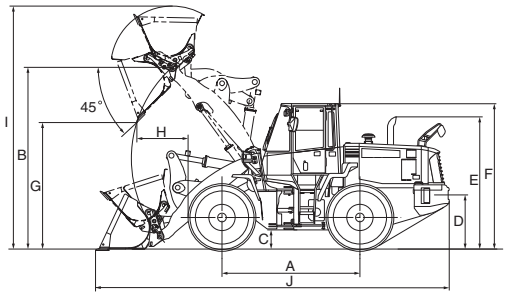


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## WA320PZ-6 (for USA)




Unit: mm (ft.in)

| | | |
|---|---|---|
| | Tread | 2050 (6'9") |
| | Width over tires | 2590 (8'6") |
| A | Wheelbase | 3030 (9'11") |
| B | Hinge pin height, max. height | 4005 (13'2") |
| C | Hinge pin height, carry position | 440 (1'5") |
| D | Ground clearance | 425 (1'5") |
| E | Hitch height | 1095 (3'7") |
| F | Overall height, top of the stack | 2915 (9'7") |
| G | Overall height, ROPS cab | 3200 (10'6") |

### Bucket

### Measured with 20.5-25-12PR (L2) tires

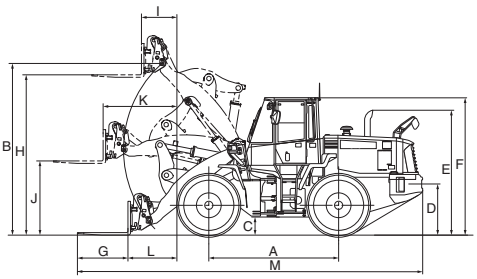
| Bucket type | | | Light Material Bucket W/B.O.C | General Purpose Bucket W/B.O.C |
|---|---|---|---|---|
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 2.7 (3.5) | 2.5 (3.25) |
| | Struck | $m^3$ ($yd^3$) | 2.2 (2.9) | 2.1 (2.75) |
| Bucket width | | mm (ft.in) | 2740 (9'0") | 2740 (9'0") |
| Bucket weight | | kg (lb) | 1260 (2,780) | 1230 (2,712) |
| Static tipping load | Straight | kg (lb) | 10880 (23,990) | 10990 (24,228) |
| | Full turn (40°) | kg (lb) | 9580 (21,110) | 9670 (21,320) |
| H. Dumping clearance, max. height and 45° dump angle* | | mm (ft.in) | 2785 (9'2") | 2820 (9'3") |
| Reach at 2130 mm (7') and 45° dump angle* | | mm (ft.in) | 1770 (5'10") | 1755 (5'9") |
| J. Reach at max. height and 45° dump angle* | | mm (ft.in) | 1240 (4'1") | 1200 (3'11") |
| Reach with boom and bucket level* | | mm (ft.in) | 2735 (9'0") | 2680 (8'10") |
| K. Operating height (fully raised) | | mm (ft.in) | 5395 (17'8") | 5355 (17'7") |
| L. Overall length, bucket on ground | | mm (ft.in) | 7800 (25'7") | 7750 (25'5") |
| Digging depth | 0° | mm (ft.in) | 65 (2.5") | 65 (2.5") |
| | 10° | mm (ft.in) | 440 (1'5") | 385 (1'3") |
| Breakout force | | kN/kgf (lb) | 136/13900 (30,620) | 142/14430 (31,810) |
| Operating weight | | kg (lb) | 15380 (33,900) | 15350 (33,830) |

* At the end of B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

### Fork

| | | | |
|---|---|---|---|
| | Static tipping load - boom level<br>Fork level, 610 mm (24") load center<br>Straight | kg (lb) | 7815 (17,230) |
| | Full turn (40°) | kg (lb) | 6720 (14,810) |
| | Operating weight | kg (lb) | 14730 (32,480) |
| G | Fork tine length | mm (ft.in) | 1524 (5'0") |
| H | Ground to top of tine at maximum lift | mm (ft.in) | 3860 (12'8") |
| I | Reach at maximum lift | mm (ft.in) | 840 (2'9") |
| J | Ground to top of Tine - boom and tine level | mm (ft.in) | 1855 (6'1") |
| K | Reach - boom and tine level | mm (ft.in) | 1735 (5'8") |
| L | Reach - tine level on ground | mm (ft.in) | 1065 (3'6") |
| M | Overall Length - tine level on ground | mm (ft.in) | 8320 (27'3") |
| | Operating load | kg (lb) | 4805 (10,590) |




Operating load per SAE J1197 (Feb. 1991), 50% of static tipping load.

Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator. Machine stability and operating weight affected by tire size and attachments.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Ground Clearance | | Change in Vertical Dimensions | | Change in Reach | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in | mm | ft.in |
| 20.5-25-12PR (L3) | +165 | +364 | +105 | +231 | +95 | +209 | 2590 | 8'6" | 425 | 1'5" | 0 | 0" | 0 | 0" |

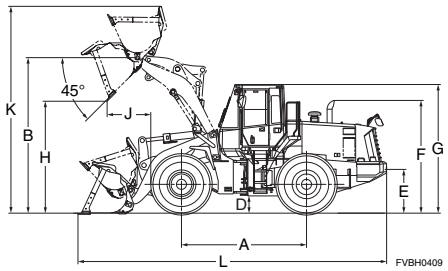


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## WA380-7 (USA source)




Unit: mm (ft.in)

| | | |
|---|---|---|
| | Tread | 2160 (7'1") |
| | Width over tires | 2780 (9'1") |
| A | Wheelbase | 3330 (10'10") |
| B | Hinge pin height, max. height | |
| | Standard boom | 4095 (13'5") |
| | High lift boom | 4625 (15'2") |
| C | Hinge pin height, carry position | |
| | Standard boom | 520 (1'8") |
| | High lift boom | 680 (2'3") |
| D | Ground clearance | 455 (1'6") |
| E | Hitch height | 1150 (3'9") |
| F | Overall height, top of the stack | 3145 (10'3") |
| G | Overall height, ROPS cab | 3390 (11'2") |
| M | Tilt back angle | 50° |

### Measured with 23.5 R25 (L3) tires, ROPS/FOPS cab

| Bucket type | | | General Purpose Buckets | Excavating Bucket | Light Material Bucket | High Lift Boom Excavating Bucket |
|---|---|---|---|---|---|---|
| | | | Bolt-on Cutting Edge | Bolt-on Cutting Edge | Bolt-on Cutting Edge | Bolt-on Cutting Edge |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 3.3 (4.3) | 2.9 (3.8) | 4.0 (5.2) | 2.9 (3.8) |
| | Struck | $m^3$ ($yd^3$) | 2.9 (3.8) | 2.4 (3.1) | 3.4 (4.4) | 2.4 (3.1) |
| Bucket width | | mm (ft.in) | 2905 (9'6") | 2905 (9'6") | 2905 (9'6") | 2905 (9'6") |
| Bucket weight | | kg (lb) | 1605 (3,570) | 1715 (3,790) | 1835 (4,045) | 1715 (3,790) |
| Static tipping load | Straight | kg (lb) | 15565 (34,140) | 15450 (33,885) | 15330 (33,620) | 14660 (32,320) |
| | Full turn (40°) | kg (lb) | 13295 (29,145) | 13180 (28,900) | 13055 (28,625) | 10500 (23,150) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2950 (9'8") | 3045 (10'0") | 2855 (9'4") | 3575 (11'9") |
| Reach at 2130 mm (7') cutting edge clearance and 45° dump angle | | mm (ft.in) | 1735 (5'8") | 1630 (5'6") | 1780 (5'10") | 2205 (7'3") |
| J. Reach at max. height and 45° dump angle | | mm (ft.in) | 1150 (3'9") | 1055 (3'6") | 1240 (4'1") | 1185 (3'11") |
| Reach with arm horizontal and bucket level** | | mm (ft.in) | 2590 (8'6") | 2450 (8'0") | 2715 (8'11") | 2940 (9'8") |
| K. Operating height (fully raised) | | mm (ft.in) | 5600 (18'5") | 5450 (17'11") | 5720 (18'9") | 5985 (19'7") |
| L. Overall length | Bucket on ground | mm (ft.in) | 8280 (26'8") | 8140 (26'3") | 8255 (27'1") | 8780 (28'10") |
| Turning radius* | | mm (ft.in) | 7220 (23'8") | 7185 (23'7") | 7250 (23'9") | 7425 (24'4") |
| Digging depth | 0° | mm (ft.in) | 60 (2.4") | 60 (2.4") | 60 (2.4") | 110 (4.3") |
| | 10° | mm (ft.in) | 290 (11.4") | 265 (10.4") | 315 (12.4") | 320 (12.6") |
| Breakout force | | kN<br>kgf (lb) | 158<br>16100 (35,495) | 175<br>17850 (39,680) | 144<br>14700 (32,405) | 183<br>18700 (41,220) |
| Operating weight | | kg (lb) | 18155 (39,840) | 18265 (40,170) | 18385 (40,950) | 18650 (41,115) |

* Bucket at carry, outside corner of bucket.
** At the end of B.O.C. or teeth

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | |
|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | |
| | kg | lb | kg | lb | kg | lb |
| Remove additional counterweight | –245 | –540 | –855 | –1,885 | –715 | –1,575 |

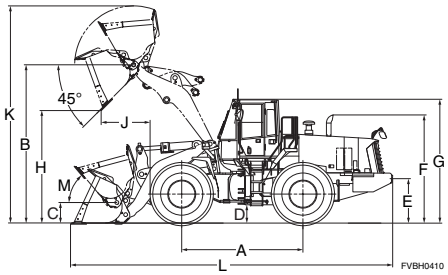


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## WA430-6 (USA source)




Unit: mm (ft.in)

| | | |
|---|---|---|
| | Tread | 2200 (7'3") |
| | Width over tires | 2820 (9'3") |
| A | Wheelbase | 3300 (10'10") |
| B | Hinge pin height, max. height | 4165 (13'8") |
| C | Hinge pin height, carry position | 520 (1'8") |
| D | Ground clearance | 455 (1'6") |
| E | Hitch height | 1150 (3'9") |
| F | Overall height, top of the stack | 2940 (9'8") |
| G | Overall height, ROPS cab | 3390 (11'1") |
| M | Tilt back angle | 46° |

### Measured with 23.5 R25 (L3) tires, ROPS/FOPS cab

| Bucket type | | | General Purpose Bolt-on Cutting Edge | Excavating Bolt-on Cutting Edge | Light Material Bolt-on Cutting Edge |
|---|---|---|---|---|---|
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 3.5 (4.6) | 3.1 (4.1) | 4.3 (5.6) |
| | Struck | $m^3$ ($yd^3$) | 3.0 (3.9) | 2.6 (3.4) | 3.7 (4.8) |
| Bucket width | | mm (ft.in) | 2905 (9'6") | 2905 (9'6") | 2905 (9'6") |
| Bucket weight | | kg (lb) | 1630 (3,593) | 1720 (3,792) | 1800 (3,968) |
| Static tipping load | Straight | kg (lb) | 14960 (32,981) | 14915 (32,882) | 14710 (32,430) |
| | Full turn (40°) | kg (lb) | 13785 (30,390) | 13770 (30,358) | 13615 (30,016) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 3015 (9'11") | 3090 (10'2") | 2890 (9'6") |
| Reach at 2130 mm (7') and 45° dump angle | | mm (ft.in) | 1840 (6'0") | 1795 (5'11") | 1900 (6'3") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1195 (3'11") | 1120 (3'8") | 1320 (4'4") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | 2690 (8'10") | 2580 (8'6") | 2865 (9'5") |
| K. Operating height (fully raised) | | mm (ft.in) | 5710 (18'9") | 5590 (18'4") | 5895 (19'4") |
| L. Overall length, bucket on ground | | mm (ft.in) | 8460 (27'9") | 8350 (27'5") | 8640 (28'4") |
| Turning radius* | | mm (ft.in) | 7270 (23'10") | 7230 (23'9") | 7310 (24'0") |
| Digging depth | 0° | mm (ft.in) | 120 (4.7") | 120 (4.7") | 120 (4.7") |
| | 10° | mm (ft.in) | 350 (1'2") | 330 (1'1") | 380 (1'3") |
| Breakout force | | kN<br>kgf (lb) | 179<br>18300 (40,333) | 196<br>19980 (44,048) | 158<br>16135 (35,572) |
| Operating weight | | kg (lb) | 18530 (40,852) | 18620 (41,050) | 18700 (41,226) |

* Bucket at carry, outside corner of bucket.
** At the end of tooth or B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab, additional counterweight and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

### Weight Changes

| | Operating Weight | | Tipping Load Straight | | Tipping Load Full Turn | |
|---|---|---|---|---|---|---|
| | kg | lb | kg | lb | kg | lb |
| Remove additional counterweight | –340 | –750 | –860 | –1,900 | –720 | –1,590 |

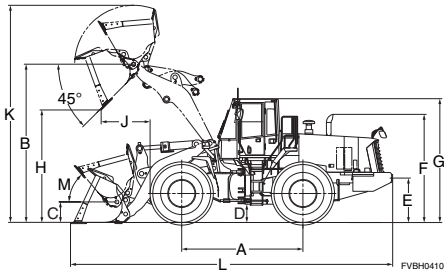


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## WA470-7 (USA source)




Unit: mm (ft.in)

| | | |
|---|---|---|
| | Tread | 2300 (7'7") |
| | Width over tires | 3010 (9'11") |
| A | Wheelbase | 3450 (11'4") |
| B | Hinge pin height, max. height | 4360 (14'4") |
| C | Hinge pin height, carry position | 585 (1'11") |
| D | Ground clearance | 525 (1'9") |
| E | Hitch height | 1210 (4'0") |
| F | Overall height, top of the stack | 3300 (10'10") |
| G | Overall height, ROPS cab | 3500 (11'6") |
| M | Tilt back angle | 50° |

### Measured with 26.5 R25 (L3) tires, ROPS/FOPS cab

| Bucket type | | | General Purpose Bolt-on Cutting Edge | Excavating Bolt-on Cutting Edge | Light Material Bolt-on Cutting Edge |
|---|---|---|---|---|---|
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 4.2 (5.5) | 3.8 (5.0) | 4.4 (5.8) |
| | Struck | $m^3$ ($yd^3$) | 3.5 (4.6) | 3.2 (4.2) | 3.9 (5.1) |
| Bucket width | | mm (ft.in) | 3170 (10'5") | 3170 (10'5") | 3170 (10'5") |
| Bucket weight | | kg (lb) | 2020 (4,453) | 2170 (4,784) | 2210 (4,872) |
| Static tipping load | Straight | kg (lb) | 19110 (42,130) | 18970 (41,820) | 18930 (41,730) |
| | Full turn (40°) | kg (lb) | 16470 (36,310) | 16330 (36,000) | 16300 (35,935) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 3185 (10'5") | 3235 (10'7") | 3055 (10'0") |
| Reach at 2130 mm (7') and 45° dump angle | | mm (ft.in) | 1935 (6'4") | 1905 (6'3") | 2010 (6'7") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1235 (4'1") | 1185 (3'11") | 1365 (4'6") |
| Reach with arm horizontal bucket level | | mm (ft.in) | 2755 (9'0") | 2685 (8'10") | 2940 (9'8") |
| K. Operating height (fully raised) | | mm (ft.in) | 5960 (19'7") | 5910 (19'5") | 5960 (19'7") |
| L. Overall length, bucket on ground | | mm (ft.in) | 8825 (28'11") | 8755 (28'9") | 9010 (29'7") |
| Turning radius* | | mm (ft.in) | 7650 (25'1") | 7630 (25'0") | 7695 (25'3") |
| Digging depth | 0° | mm (ft.in) | 80 (3.1") | 80 (3.1") | 80 (3.1") |
| | 10° | mm (ft.in) | 315 (12.4") | 305 (12.0") | 345 (13.6") |
| Breakout force | | kN<br>kgf (lb) | 192<br>19600 (43,160) | 203<br>20710 (45,640) | 168<br>17140 (37,770) |
| Operating weight | | kg (lb) | 23590 (57,010) | 23740 (52,340) | 23780 (52,430) |

* Bucket at carry, outside corner of bucket.
** At the end of B.O.C. or teeth

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | |
|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | |
| | kg | lb | kg | lb | kg | lb |
| Remove additional counterweight | –400 | –882 | –1300 | –2,866 | –1100 | –2,425 |

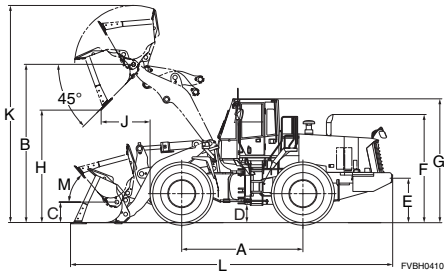


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## WA480-6 (USA source)




Unit: mm (ft.in)

| | | |
|---|---|---|
| | Tread | 2300 (7'7") |
| | Width over tires | 3010 (9'11") |
| A | Wheelbase | 3450 (11'4") |
| B | Hinge pin height, max. height | 4505 (14'9") |
| C | Hinge pin height, carry position | 585 (1'11") |
| D | Ground clearance | 525 (1'9") |
| E | Hitch height | 1240 (4'1") |
| F | Overall height, top of the stack | 3080 (10'1") |
| G | Overall height, ROPS cab | 3500 (11'6") |
| M | Tilt back angle | 52° |

### Measured with 26.5 R25 (L3) tires

| Bucket type | | | General Purpose Buckets | | Loose Material Bucket | Light Material Bucket |
|---|---|---|---|---|---|---|
| | | | Stockpile | Excavating | | |
| | | | Bolt-on Cutting Edge | Bolt-on Cutting Edge | Bolt-on Cutting Edge | Bolt-on Cutting Edge |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 4.6 (6.0) | 4.1 (5.4) | 4.9 (6.4) | 6.1 (8.0) |
| | Struck | $m^3$ ($yd^3$) | 4.0 (5.2) | 3.5 (4.6) | 4.2 (5.5) | 5.2 (6.8) |
| Bucket width | | mm (ft.in) | 3170 (10'5") | 3170 (10'5") | 3170 (10'5") | 3170 (10'5") |
| Bucket weight | | kg (lb) | 2260 (4,982) | 2220 (4,894) | 2340 (5,159) | 2410 (5,313) |
| Static tipping load | Straight | kg (lb) | 20925 (46,130) | 20955 (46,200) | 20855 (45,975) | 20795 (45,845) |
| | Full turn (40°) | kg (lb) | 17995 (39,670) | 18020 (39,725) | 17935 (39,540) | 17885 (39,430) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 3205 (10'6") | 3295 (10'10") | 3125 (10'3") | 3080 (10'1") |
| Reach at 2130 mm (7') cutting edge clearance and 45° dump angle | | mm (ft.in) | 2135 (7'0") | 2080 (6'10") | 2180 (7'2") | 2205 (7'3") |
| J. Reach at max. height and 45° dump angle | | mm (ft.in) | 1410 (4'8") | 1320 (4'4") | 1490 (4'11") | 1535 (5'0") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | 3020 (9'11") | 2895 (9'6") | 3135 (10'3") | 3195 (10'6") |
| K. Operating height (fully raised) | | mm (ft.in) | 6175 (20'3") | 6025 (19'9") | 6175 (20'3") | 6450 (21'2") |
| L. Overall length | Bucket on ground | mm (ft.in) | 9345 (30'8") | 9180 (30'1") | 9425 (30'11") | 9520 (31'3") |
| Turning radius* | | mm (ft.in) | 7700 (25'3") | 7655 (25'1") | 7720 (25'4") | 7745 (25'5") |
| Digging depth | 0° | mm (ft.in) | 90 (3.5") | 90 (3.5") | 90 (3.5") | 90 (3.5") |
| | 10° | mm (ft.in) | 355 (1'2") | 335 (1'1") | 375 (1'3") | 385 (1'3") |
| Breakout force | | kN<br>kgf (lb) | 212<br>21600 (47,660) | 231<br>23600 (51,930) | 196<br>20000 (44,060) | 189<br>19300 (42,490) |
| Operating weight | | kg (lb) | 25405 (56,010) | 25365 (55,920) | 25485 (56,185) | 25555 (56,340) |

* Bucket at carry, outside corner of bucket.
** At the end of tooth or B.O.C.

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab, additional counterweight and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

### Weight Changes

| | Operating Weight | | Tipping Load Straight | | Tipping Load Full Turn | |
|---|---|---|---|---|---|---|
| | kg | lb | kg | lb | kg | lb |
| Remove additional counterweight | –400 | –880 | –980 | –2,160 | –850 | –1,873 |

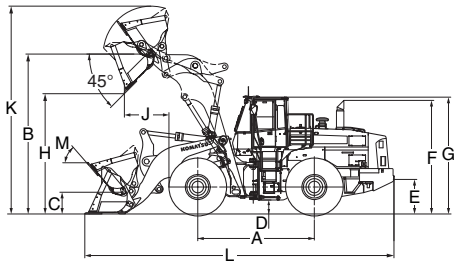


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## WA500-7 (USA source)




Unit: mm (ft.in)

| | | |
|---|---|---|
| | Tread | 2400 (7'10") |
| | Width over tires | 3190 (10'6") |
| A | Wheelbase | 3780 (12'5") |
| B | Hinge pin height, max. height | 4755 (15'7") |
| C | Hinge pin height, carry position | 575 (1'11") |
| D | Ground clearance | 450 (1'6") |
| E | Hitch height | 1115 (3'8") |
| F | Overall height, top of the stack | 3665 (12'0") |
| G | Overall height, ROPS cab | 3785 (12'5") |
| M | Tilt back angle | 50° |

### Measured with 29.5-22PR (L3) tires, ROPS/FOPS cab

| Bucket type | | | General Purpose Bucket | Excavating Bucket | Light Material Bucket |
|---|---|---|---|---|---|
| | | | Bolt-on Cutting Edge | Bolt-on Cutting Edge | Bolt-on Cutting Edge |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 5.6 (7.3) | 5.2 (6.8) | 6.3 (8.2) |
| | Struck | $m^3$ ($yd^3$) | 4.8 (6.3) | 4.2 (5.5) | 5.3 (6.9) |
| Bucket width | | mm (ft.in) | 3400 (11'2") | 3400 (11'2") | 3400 (11'2") |
| Bucket weight | | kg (lb) | 3110 (6,855) | 3055 (6,735) | 3485 (7,683) |
| Static tipping load | Straight | kg (lb) | 27140 (59,830) | 27180 (59,920) | 26850 (59,190) |
| | Full turn (40°) | kg (lb) | 24580 (54,190) | 24620 (54,280) | 24290 (53,550) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 3295 (10'10") | 3395 (11'2") | 3210 (10'6") |
| Reach at 2130 mm (7') and 45° dump angle | | mm (ft.in) | 2300 (7'7") | 2215 (7'3") | 2350 (7'8") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1500 (4'11") | 1400 (4'7") | 1585 (5'2") |
| Reach with arm horizontal bucket level | | mm (ft.in) | 3265 (10'9") | 3120 (10'3") | 3385 (11'11") |
| K. Operating height (fully raised) | | mm (ft.in) | 6430 (21'1") | 6415 (21'1") | 6540 (21'5") |
| L. Overall length, bucket on ground | | mm (ft.in) | 9915 (32'6") | 9770 (32'1") | 10035 (32'11") |
| Turning radius* | | mm (ft.in) | 8220 (27'0") | 8180 (26'10") | 8250 (27'1") |
| Digging depth | 0° | mm (ft.in) | 135 (5.3") | 135 (5.3") | 135 (5.3") |
| | 10° | mm (ft.in) | 435 (1'5") | 410 (1'4") | 455 (1'6") |
| Breakout force | | kN<br>kgf (lb) | 245<br>25000 (55,115) | 268<br>27000 (60,185) | 227<br>23200 (51,150) |
| Operating weight | | kg (lb) | 34750 (76,610) | 34705 (76,510) | 35125 (77,440) |

* Bucket at carry, outside corner of bucket.
** At the end of B.O.C. or teeth

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | |
|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | |
| | kg | lb | kg | lb | kg | lb |
| Remove additional counterweight | –900 | –1,984 | –1990 | –4,387 | –1720 | –3,792 |

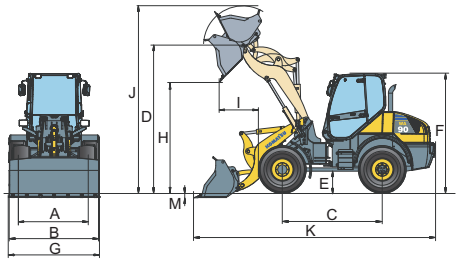


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## WA65-6 (Germany source)




Unit: mm (ft.in)

| | | |
|---|---|---|
| A | Tread | 1306 (4'3") |
| B | Width over tires | 1625 (5'4") |
| C | Wheelbase | 2050 (6'9") |
| D | Hinge pin height, max. height | 3115 (10'3") |
| E | Ground clearance | 280 (11") |
| F | Overall height, ROPS cab | 2450 (8'10") |
| | Turning radius at corner of tire | 3680 (12'1") |

### Measured with 12.0-18 tires

| Bucket type | | | Universal | | Light material | 4-in-1 |
|---|---|---|---|---|---|---|
| | | | With teeth | Without teeth | Without teeth | With teeth |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 0.70 (0.92) | 0.70 (0.92) | 1.0 (1.31) | 0.55 (0.72) |
| | Struck | $m^3$ ($yd^3$) | – | – | – | – |
| G Bucket width | | mm (ft.in) | 1660 (5'5") | 1660 (5'5") | 1870 (6'2") | 1700 (5'7") |
| Bucket weight without teeth | | kg (lb) | 258 (569) | 240 (530) | 300 (660) | 490 (1,080) |
| Static tipping load | Straight | kg (lb) | 3650 (8,050) | 3770 (8,310) | 3630 (8,000) | 3500 (7,720) |
| | Full turn (40°) | kg (lb) | 3200 (7,055) | 3280 (7,230) | 3150 (8,940) | 3000 (6,610) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2430 (8'0") | 2450 (8'0") | 2310 (7'7") | 2395 (7'10") |
| Reach at 2130 mm (7') cutting edge clearance and 45° dump angle | | mm (ft.in) | – | – | – | – |
| I. Reach at max. height and 45° dump angle | | mm (ft.in) | 965 (3'2") | 945 (3'1") | 986 (3'3") | 945 (3'1") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | – | – | – | – |
| J. Operating height (fully raised) | | mm (ft.in) | 4060 (13'4") | 4060 (13'4") | 4000 (13'1") | 3910 (12'10") |
| K. Overall length | Bucket on ground | mm (ft.in) | 5425 (17'10") | 5320 (17'5") | 5380 (17'8") | 5410 (17'9") |
| Turning radius | Bucket edge | mm (ft.in) | 4095 (13'5") | 4095 (13'5") | 4250 (13'11") | 4175 (13'8") |
| M Digging depth | 0° | mm (ft.in) | 95 (3.7") | 95 (3.7") | 165 (6.5") | 135 (5.3") |
| | 10° | mm (ft.in) | – | – | – | – |
| Breakout force | | kN<br>kgf (lb) | 37.1<br>3780 (8,340) | 37.1<br>3780 (8,340) | 30.9<br>3150 (6,950) | 34.8<br>3550 (7,830) |
| Operating weight | | kg (lb) | 4660 (10,270) | 4640 (8,025) | 4700 (10,360) | 4890 (10,780) |

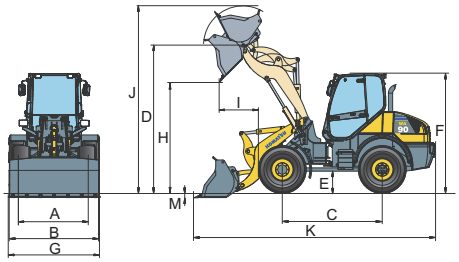


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## WA70-6 (Germany source)




Unit: mm (ft.in)

| | | |
|---|---|---|
| A | Tread | 1306 (4'3") |
| B | Width over tires | 1625 (5'4") |
| C | Wheelbase | 2050 (6'9") |
| D | Hinge pin height, max. height | 3150 (10'4") |
| E | Ground clearance | 305 (12") |
| F | Overall height, ROPS cab | 2465 (8'1") |
| | Turning radius at corner of tire | 3680 (12'1") |

### Measured with 12.0-18 tires

| Bucket type | | | Universal | | Light materials | | 4-in-1 |
|---|---|---|---|---|---|---|---|
| | | | With teeth | Without teeth | Without teeth | Without teeth | With teeth |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 0.85 (1.11) | 0.85 (1.11) | 1.00 (1.31) | 1.25 (1.64) | 0.75 (0.98) |
| | Struck | $m^3$ ($yd^3$) | – | – | – | – | – |
| G Bucket width | | mm (ft.in) | 1800 (5'11") | 1800 (5'11") | 1870 (6'2") | 1870 (6'2") | 1800 (5'11") |
| Bucket weight without teeth | | kg (lb) | 295 (650) | 273 (602) | 301 (664) | 337 (743) | 592 (1,305) |
| Static tipping load | Straight | kg (lb) | 4200 (9,260) | 4300 (9,480) | 4170 (9,130) | 4080 (8,995) | 3900 (8,600) |
| | Full turn (40°) | kg (lb) | 3650 (8,050) | 3750 (8,270) | 3620 (7,980) | 3540 (7,800) | 3350 (7,385) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2415 (7'11") | 2435 (8'0") | 2335 (7'8") | 2260 (7'5") | 2355 (7'9") |
| Reach at 2130 mm (7') cutting edge clearance and 45° dump angle | | mm (ft.in) | – | – | – | – | – |
| I. Reach at max. height and 45° dump angle | | mm (ft.in) | 935 (3'1") | 915 (3'0") | 960 (3'2") | 1030 (3'5") | 980 (3'3") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | – | – | – | – | – |
| J. Operating height (fully raised) | | mm (ft.in) | 4070 (13'4") | 4070 (13'4") | 4025 (13'2") | 4190 (13'9") | 3950 (13'0") |
| K. Overall length | Bucket on ground | mm (ft.in) | 5445(17'10") | 5310 (17'5") | 5375 (17'8") | 5475 (18'0") | 5470 (17'11") |
| Turning radius | Bucket edge | mm (ft.in) | 4175 (13'8") | 4175 (13'8") | 4245 (13'11") | 4280 (14'1") | 4250 (13'11") |
| M. Digging depth | 0° | mm (ft.in) | 100 (3.9") | 100 (3.9") | 140 (5.5") | 140 (5.5") | 110 (4.3") |
| | 10° | mm (ft.in) | – | – | – | – | – |
| Breakout force | | kN<br>kgf (lb) | 41<br>4180 (9,220) | 41<br>4180 (9,220) | 35<br>3570 (7,870) | 31<br>3160 (6,970) | 36<br>3670 (8,095) |
| Operating weight | | kg (lb) | 5060 (11,160) | 5035 (11,100) | 5065 (11,170) | 5100 (11,240) | 5355 (11,810) |

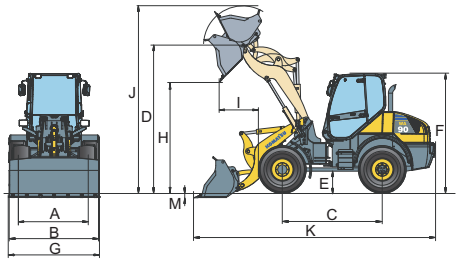


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## WA80-6 (Germany source)




Unit: mm (ft.in)

| | | |
|---|---|---|
| A | Tread | 1470 (4'10") |
| B | Width over tires | 1875 (6'2") |
| C | Wheelbase | 2260 (7'5") |
| D | Hinge pin height, max. height | 3210 (10'6") |
| E | Ground clearance | 300 (11'8") |
| F | Overall height, ROPS cab | 2665 (8'9") |
| | Turning radius at corner of tire | 3985 (13'1") |

### Measured with 405/70 R18 tires

| Bucket type | | | Universal | | Light materials | 4-in-1 |
|---|---|---|---|---|---|---|
| | | | With teeth | Without teeth | Without teeth | Without teeth |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 1.0 (1.31) | 1.0 (1.31) | 1.25 (1.64) | 0.8 (1.05) |
| | Struck | $m^3$ ($yd^3$) | – | – | – | – |
| G Bucket width | | mm (ft.in) | 1915 (6'3") | 1915 (6'3") | 1870 (6'2") | 1900 (6'3") |
| Bucket weight without teeth | | kg (lb) | 422 (930) | 400 (882) | 340 (750) | 615 (1,356) |
| Static tipping load | Straight | kg (lb) | 4310 (9,500) | 4340 (9,570) | 4295 (9,470) | 4035 (8,900) |
| | Full turn (40°) | kg (lb) | 3720 (8,200) | 3750 (8,270) | 3710 (8,180) | 3445 (7,595) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2425 (7'11") | 2425 (7'11") | 2330 (7'8") | 2425 (7'11") |
| Reach at 2130 mm (7') cutting edge clearance and 45° dump angle | | mm (ft.in) | – | – | – | – |
| I. Reach at max. height and 45° dump angle | | mm (ft.in) | 995 (3'3") | 995 (3'3") | 1035 (3'5") | 985 (3'3") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | – | – | – | – |
| J. Operating height (fully raised) | | mm (ft.in) | 4170 (13'8") | 4170 (13'8") | 4250 (13'11") | 4100 (13'8") |
| K. Overall length | Bucket on ground | mm (ft.in) | 5630 (18'6") | 5495 (18'0") | 5720 (18'9") | 5710 (18'9") |
| Turning radius | Bucket edge | mm (ft.in) | 4420 (14'6") | 4420 (14'6") | 4550 (14'11") | 4490 (14'9") |
| M. Digging depth | 0° | mm (ft.in) | 90 (3.5") | 90 (3.5) | 135 (5.3") | 100 (3.9") |
| | 10° | mm (ft.in) | – | – | – | – |
| Breakout force | | kN<br>kgf (lb) | 56.7<br>5780 (12,750) | 56.7<br>5780 (12,750) | 41.8<br>4260 (9,400) | 48.5<br>4950 (10,910) |
| Operating weight | | kg (lb) | 5545 (12,220) | 5525 (12,180) | 5560 (12,260) | 5835 (12,860) |

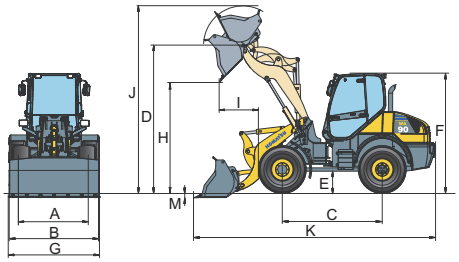


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## WA90-6 (Germany source)




Unit: mm (ft.in)

| | | |
|---|---|---|
| A | Tread | 1590 (5'3") |
| B | Width over tires | 2015 (6'7") |
| C | Wheelbase | 2300 (7'7") |
| D | Hinge pin height, max. height | 3450 (11'4") |
| E | Ground clearance | 350 (1'2") |
| F | Overall height, ROPS cab | 2820 (9'3") |
| | Turning radius at corner of tire | 4040 (13'3") |

### Measured with 405/70 R20 tires

| Bucket type | | | Universal | | Light material | Multi-purpose |
|---|---|---|---|---|---|---|
| | | | With teeth | Without teeth | Without teeth | With teeth |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 1.1 (1.44) | 1.1 (1.44) | 1.60 (2.09) | 0.90 (1.18) |
| | Struck | $m^3$ ($yd^3$) | – | – | – | – |
| G Bucket width | | mm (ft.in) | 2050 (6'9") | 2050 (6'9") | 2200 (7'3") | 2050 (6'9") |
| Bucket weight | | kg (lb) | 383 (844) | 360 (794) | 461 (1,016) | 625 (1,378) |
| Static tipping load | Straight | kg (lb) | 5010 (11,045) | 5030 (11,090) | 4910 (10,825) | 4800 (10,580) |
| | Full turn (40°) | kg (lb) | 4265 (9,400) | 4290 (9,460) | 4170 (9,190) | 4050 (8,930) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2600 (8'6") | 2640 (8'8") | 2440 (8'0") | 2505 (8'3") |
| Reach at 2130 mm (7') cutting edge clearance and 45° dump angle | | mm (ft.in) | – | – | – | – |
| I. Reach at max. height and 45° dump angle | | mm (ft.in) | 1030 (3'5") | 950 (3'1") | 1140 (3'9") | 1120 (3'8") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | – | – | – | – |
| J. Operating height (fully raised) | | mm (ft.in) | 4370 (14'4") | 4370 (14'4") | 4445 (14'7") | 4300 (14'1") |
| K. Overall length | Bucket on ground | mm (ft.in) | 5850 (19'2") | 5860 (19'3") | 6130 (20'1") | 6035 (19'10") |
| Turning radius | Bucket edge | mm (ft.in) | 4500 (14'9) | 4500 (14'9) | 4650 (15'3") | 4550 (14'11") |
| M. Digging depth | 0° | mm (ft.in) | 95 (3.7") | 95 (3.7") | 135 (5.3") | 95 (3.7") |
| | 10° | mm (ft.in) | – | – | – | – |
| Breakout force | | kN<br>kgf (lb) | 71.4<br>7280 (16,060) | 71.4<br>7280 (16,060) | 59.5<br>6070 (13,380) | 74.2<br>7570 (16,685) |
| Operating weight | | kg (lb) | 6500 (14,330) | 6475 (14,275) | 6580 (14,510) | 6740 (14,860) |

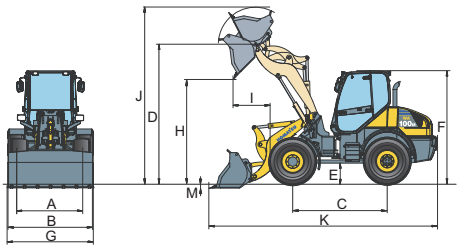


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## WA100M-6 (Germany source)




Unit: mm (ft.in)

| | | |
|---|---|---|
| A | Tread | 1635 (5'4") |
| B | Width over tires | 2080 (6'10") |
| C | Wheelbase | 2400 (7'10") |
| D | Hinge pin height, max. height | 3540 (11'7") |
| E | Ground clearance | 380 (1'3") |
| F | Overall height, ROPS cab | 2840 (9'4") |
| | Turning radius at corner of tire | 4230 (13'11") |

### Measured with 455/70 R24 tires

| Bucket type | | | Universal | | Light material | | 4 · in · 1 |
|---|---|---|---|---|---|---|---|
| | | | With teeth | Without teeth | Without teeth | With teeth | With teeth |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 1.25 (1.63) | 1.25 (1.63) | 1.60 (2.09) | 1.80 (2.35) | 1.05 (1.37) |
| | Struck | $m^3$ ($yd^3$) | – | – | – | – | – |
| G Bucket width | | mm (ft.in) | 2200 (7'3") | 2200 (7'3") | 2200 (7'3") | 2200 (7'3") | 2200 (7'3") |
| Bucket weight | | kg (lb) | 415 (915) | 390 (860) | 461 (1,016) | 496 (1,093) | 695 (1,532) |
| Static tipping load | Straight | kg (lb) | 5880 (12,960) | 6000 (13,230) | 5670 (12,500) | 5675 (12,510) | 5970 (13,160) |
| | Full turn (40°) | kg (lb) | 5030 (11,090) | 5140 (11,330) | 4840 (10,670) | 4840 (10,670) | 5070 (11,180) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2710 (8'11") | 2730 (8'11") | 2560 (8'5") | 2485 (8'2") | 2620 (8'7") |
| Reach at 2130 mm (7') cutting edge clearance and 45° dump angle | | mm (ft.in) | – | – | – | – | – |
| I. Reach at max. height and 45° dump angle | | mm (ft.in) | 885 (2'11") | 845 (2'9") | 965 (3'2") | 965 (3'2") | 960 (3'2") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | – | – | – | – | – |
| J. Operating height (fully raised) | | mm (ft.in) | 4515 (14'10") | 4515 (14'10") | 4565 (15'0") | 4635 (15'2") | 4510 14'10") |
| K. Overall length | Bucket on ground | mm (ft.in) | 6000 (19'8") | 5865 (19'3") | 6105 (20'0") | 6195 (20'4") | 6015 (19'9") |
| Turning radius | Bucket edge | mm (ft.in) | 4750 (15'7") | 4750 (15'7") | 4765 (15'8") | 4805 (15'9") | 4745 (15'7") |
| M. Digging depth | 0° | mm (ft.in) | 85 (3.3") | 85 (3.3") | 125 (4.9") | 175 (6.9") | 85 (3.3") |
| | 10° | mm (ft.in) | – | – | – | – | – |
| Breakout force | | kN<br>kgf (lb) | 74.3<br>7580 (16,710) | 74.3<br>7580 (16,710) | 58.4<br>5955 (13,130) | 55.2<br>5630 (12,410) | 71.7<br>7310 (16,120) |
| Operating weight | | kg (lb) | 6900 (15,210) | 6875 (15,160) | 6946 (15,310) | 6981 (15,390) | 7180 (15,830) |

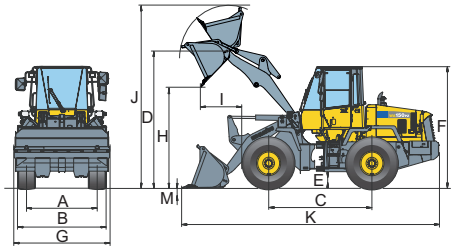


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## WA150PZ-6 (for EU)




Unit: mm (ft.in)

| | | |
|---|---|---|
| A | Tread | 1780 (5'10") |
| B | Width over tires | 2220 (7'3") |
| C | Wheelbase | 2600 (8'6") |
| D | Hinge pin height, max. height | 3695 (12'1") |
| E | Ground clearance | 425 (1'5") |
| F | Overall height, ROPS cab | 3060 (10'0") |
| | Turning radius at corner of tire | 4735 (15'6") |

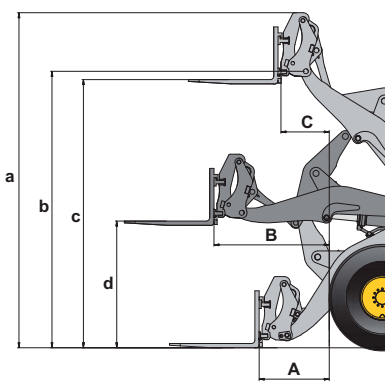
### Measured with 17.5 R25 tires

| Bucket type | | | Universal | | Stock pile | | 4-in-1 |
|---|---|---|---|---|---|---|---|
| | | | with Teeth | with B.O.C. | with Teeth | with B.O.C. | with Teeth |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 1.5 (2.0) | 1.6 (2.1) | 1.6 (2.1) | 1.7 (2.2) | 1.2 (1.6) |
| | Struck | $m^3$ ($yd^3$) | – | – | – | – | – |
| G. Bucket width | | mm (ft.in) | 2395 (7'10") | 2405 (7'11") | 2395 (7'10") | 2405 (7'11") | 2350 (7'9") |
| Bucket weight | | kg (lb) | 705 (1,554) | 750 (1,653) | 800 (1,764) | 845 (1,863) | 960 (2,116) |
| Static tipping load | Straight | kg (lb) | 6590 (14,530) | 6490 (14,310) | 6470 (14,260) | 6370 (14,040) | 6070 (13,380) |
| | Full turn (40°) | kg (lb) | 5780 (12,740) | 5680 (12,520) | 5660 (12,480) | 5560 (12,260) | 5290 (11,660) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2620 (8'7") | 2708 (8'11") | 2600 (8'6") | 2686 (8'10") | 2560 (8'5") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | – | – | – | – | – |
| I. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1063 (3'6") | 945 (3'1") | 1083 (3'7") | 967 (3'2") | 1080 (3'7") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | – | – | – | – | – |
| J. Operating height (fully raised) | | mm (ft.in) | 5070 (16'8") | 5070 (16'8") | 5070 (16'8") | 5070 (16'8") | 5070 (16'8") |
| K. Overall length, bucket on ground | | mm (ft.in) | 6916 (22'8") | 6788 (22'3") | 6946 (22'9") | 6818 (22'4") | 6997 (22'11") |
| Turning radius* | | mm (ft.in) | 5330 (17'6") | 5300 (17'5") | 5340 (17'6") | 5305 (17'5") | 5335 (17'6") |
| Digging depth | 0° | mm (ft.in) | 100 (3.9") | 120 (4.7") | 100 (3.9") | 120 (4.7") | 135 (5.3") |
| | 10° | mm (ft.in) | – | – | – | – | – |
| Breakout force | | kN<br>kgf<br>(lb) | 80.9<br>8250<br>(18,190) | 76.9<br>7840<br>(17,280) | 78.6<br>8010<br>(17,660) | 74.5<br>7600<br>(16,750) | 76.5<br>7800<br>(17,200) |
| Operating weight | | kg (lb) | 9100 (20,060) | 9145 (20,160) | 9195 (20,270) | 9240 (20,370) | 9355 (20,620) |

* Bucket at carry, outside corner of bucket.
** At the end of B.O.C. or teeth

### Fork tines

| | | | |
|---|---|---|---|
| | Fork tine length | mm (ft.in) | 1200 (3'11") |
| A | Max.reach at ground level | mm (ft.in) | 860 (2'10") |
| B | Max. reach | mm (ft.in) | 1495 (4'11") |
| C | Max. reach at max. stacking height | mm (ft.in) | 630 (2'1") |
| a | Max. height fork-carrier | mm (ft.in) | 4495 (14'9") |
| b | Hinge pin height | mm (ft.in) | 3695 (12'1") |
| c | Max. stacking height | mm (ft.in) | 3570 (11'9") |
| d | Height of forks at maximum reach | mm (ft.in) | 1700 (5'7") |
| | Max. tipping load, straight | kg (lb) | 5060 (11,160) |
| | Max. tipping load, articulated | kg (lb) | 4450 (9,810) |
| | Max. payload as per EN 474-3, 80% | kg (lb) | 3560 (7,850) |
| | Max. payload as per EN 474-3, 60% | kg (lb) | 2670 (5,890) |
| | Weight in working order with fork tines | kg (lb) | 8820 (19,440) |



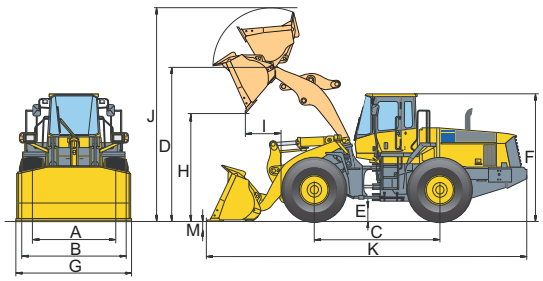



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## WA200PZ-6 (Germany source)




Unit: mm (ft.in)

| | | |
|---|---|---|
| A | Tread | 1930 (6'4") |
| B | Width over tires | 2470 (8'1") |
| C | Wheelbase | 2840 (9'4") |
| D | Hinge pin height, max. height | 3885 (12'9") |
| E | Ground clearance | 495 (1'7") |
| F | Overall height, ROPS cab | 3180 (10'5") |
| | Turning radius at corner of tire | 5150 (16'11") |

### Bucket (With Quick Coupler)

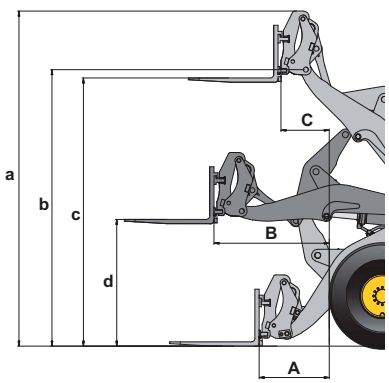
### Measured with 20.5 R25 tires

| Bucket type | | | Earthmoving | | Stockpile | | Universal | |
|---|---|---|---|---|---|---|---|---|
| | | | With teeth | With B.O.C. | With teeth | With B.O.C. | With teeth | With B.O.C. |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 1.9 (2.5) | 2.0 (2.6) | 2.0 (2.6) | 2.1 (2.7) | 1.9 (2.5) | 2.0 (2.6) |
| | Struck | $m^3$ ($yd^3$) | – | – | – | – | – | – |
| Bucket width | | mm (ft.in) | 2545 (8'4") | 2540 (8'4") | 2545 (8'4") | 2540 (8'4") | 2545 (8'4") | 2540 (8'4") |
| Bucket weight | | kg (lb) | 860 (1,896) | 935 (2,061) | 875 (1,929) | 950 (2,094) | 825 (1,819) | 900 (1,984) |
| Static tipping load | Straight | kg (lb) | 8440 (18,610) | 8280 (18,250) | 8385 (18,490) | 8260 (18,210) | 8430 (18,590) | 8290 (18,280) |
| | 40° full turn | kg (lb) | 7355 (16,220) | 7205 (15,880) | 7305 (16,110) | 7185 (15,840) | 7355 (16,220) | 7215 (15,910) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2750 (9'0") | 2830 (9'3") | 2730 (8'11") | 2805 (9'2") | 2805 (9'2") | 2730 (8'11") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | – | – | – | – | – | – |
| I. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1215 (4'0") | 1100 (3'7") | 1235 (4'1") | 1120 (3'8") | 1205 (3'11") | 1095 (3'7") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | – | – | – | – | – | – |
| J. Operating height (fully raised) | | mm (ft.in) | 5315 (17'5") | 5315 (17'5") | 5315 (17'5") | 5315 (17'5") | 5290 (17'4") | 5290 (17'4") |
| K. Overall length | | mm (ft.in) | 7420 (24'4") | 7305 (24'0") | 7450 (24'5") | 7335 (24'1") | 7450 (24'5") | 7335 (24'1") |
| Turning radius* | | mm (ft.in) | 5800 (19'0") | 5765 (18'11") | 5810 (19'1") | 5775 (18'11") | 5810 (19'1") | 5770 (18'11") |
| M. Digging depth | 0° | mm (ft.in) | 75 (3.0") | 100 (3.9") | 75 (3.0") | 100 (3.9") | 95 (3.7") | 120 (4.7") |
| | 10° | mm (ft.in) | – | – | – | – | – | – |
| Breakout force | | kN<br>kgf<br>(lb) | 96<br>9790<br>(21,590) | 91.6<br>9340<br>(20,600) | 93.6<br>9550<br>(21,050) | 89.3<br>9110<br>(20,080) | 95.3<br>9720<br>(21,430) | 90.9<br>9270<br>(20,440) |
| Operating weight | | kg (lb) | 11765 (25,940) | 11840 (26,100) | 11780 (25,970) | 11855 (26,140) | 11730 (25,860) | 11805 (26,030) |

* Bucket at carry, outside corner of bucket.
** At the end of tooth or B.O.C.

### Fork tines

| | | | |
|---|---|---|---|
| | Fork tine length | mm (ft.in) | 1200 (3'11") |
| A | Max.reach at ground level | mm (ft.in) | 985 (3'3") |
| B | Max. reach | mm (ft.in) | 1620 (5'4") |
| C | Max. reach at max. stacking height | mm (ft.in) | 720 (2'4") |
| a | Max. height fork-carrier | mm (ft.in) | 4705 (15'5") |
| b | Hinge pin height | mm (ft.in) | 3885 (12'9") |
| c | Max. stacking height | mm (ft.in) | 3765 (12'4") |
| d | Height of forks at maximum reach | mm (ft.in) | 1780 (5'10") |
| | Max. tipping load, straight | kg (lb) | 6310 (13,910) |
| | Max. tipping load, articulated | kg (lb) | 5520 (12,170) |
| | Max. payload as per EN 474-3, 80% | kg (lb) | 4415 (9,730) |
| | Max. payload as per EN 474-3, 60% | kg (lb) | 3325 (7,330) |
| | Weight in working order with fork tines | kg (lb) | 11470 (25,290) |



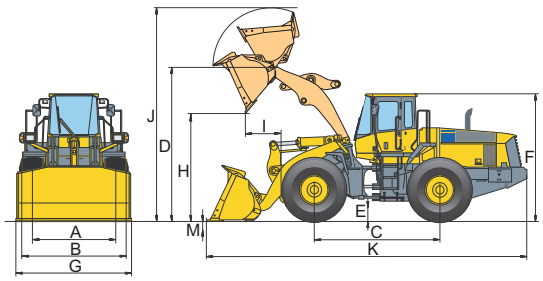



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## WA250PZ-6 (Germany source)




Unit: mm (ft.in)

| | | |
|---|---|---|
| A | Tread | 1930 (6'4") |
| B | Width over tires | 2470 (8'1") |
| C | Wheelbase | 2900 (9'6") |
| D | Hinge pin height, max. height | 3965 (13'0") |
| E | Ground clearance | 465 (1'6") |
| F | Overall height, ROPS cab | 3200 (10'6") |
| | Turning radius at corner of tire | 5240 (17'2") |

### Bucket (With Quick Coupler)

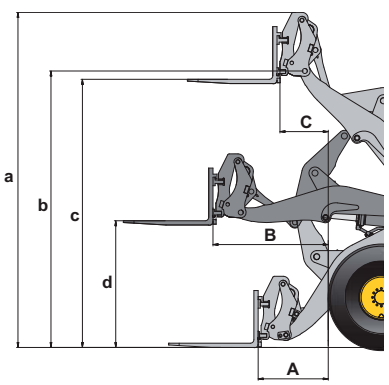
### Measured with 20.5 R25 (L3) tires

| Bucket type | | | Earthmoving | | Stockpile | | Universal | |
|---|---|---|---|---|---|---|---|---|
| | | | With teeth | With B.O.C. | With teeth | With B.O.C. | With teeth | With B.O.C. |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 2.2 (2.9) | 2.3 (3.0) | 2.3 (3.0) | 2.5 (3.3) | 2.1 (2.7) | 2.2 (2.9) |
| | Struck | $m^3$ ($yd^3$) | – | – | – | – | – | – |
| Bucket width | | mm (ft.in) | 2550 (8'4") | 2540 (8'4") | 2550 (8'4") | 2540 (8'4") | 2550 (8'4") | 2540 (8'4") |
| Bucket weight | | kg (lb) | 1080 (2,381) | 1085 (2,392) | 1105 (2,436) | 1110 (2,447) | 955 (2,105) | 960 (2,116) |
| Static tipping load | Straight | kg (lb) | 8985 (19,810) | 8955 (19,740) | 8955 (19,740) | 8905 (19,630) | 9125 (20,120) | 9105 (20,070) |
| | 40° full turn | kg (lb) | 7800 (17,200) | 7765 (17,120) | 7765 (17,120) | 7720 (17,020) | 7935 (17,490) | 7915 (17,450) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2710 (8'11") | 2815 (9'3") | 2685 (8'10") | 2790 (9'2") | 2715 (8'11") | 2815 (9'3") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | – | – | – | – | – | – |
| I. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1230 (4'0") | 1095 (3'7") | 1255 (4'1") | 1120 (3'8") | 1230 (4'0") | 1090 (3'7") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | – | – | – | – | – | – |
| J. Operating height (fully raised) | | mm (ft.in) | 5450 (17'11") | 5450 (17'11") | 5450 (17'11") | 5450 (17'11") | 5390 (17'8") | 5390 (17'8") |
| K. Overall length | | mm (ft.in) | 7585 (24'11") | 7440 (24'5") | 7620 (25'0") | 7620 (25'0") | 7580 (24'10") | 7435 (24'5") |
| Turning radius | | mm (ft.in) | 5905 (19'4") | 5855 (19'3") | 5915 (19'5") | 5865 (19'3") | 5905 (19'4") | 5855 (19'3") |
| M. Digging depth | 0° | mm (ft.in) | 125 (4.9") | 150 (5.9") | 125 (4.9") | 150 (5.9") | 125 (4.9") | 150 (5.9") |
| | 10° | mm (ft.in) | – | – | – | – | – | – |
| Breakout force | | kN<br>kgf<br>(lb) | 111.9<br>11410<br>(25,160) | 107.2<br>10930<br>(24,110) | 108.9<br>11110<br>(24,490) | 104<br>10610<br>(23,390) | 112.4<br>11460<br>(25,280) | 107.4<br>10950<br>(24,150) |
| Operating weight | | kg (lb) | 13025 (28,720) | 13030 (28,730) | 13050 (28,770) | 13055 (28,780) | 12900 (28,440) | 12905 (28,450) |

* Bucket at carry, outside corner of bucket.
**At the end of tooth or B.O.C.

### Fork tines

| | | | |
|---|---|---|---|
| | Fork tine length | mm (ft.in) | 1200 (3'11") |
| A | Max.reach at ground level | mm (ft.in) | 965 (3'2") |
| B | Max. reach | mm (ft.in) | 1630 (5'4") |
| C | Max. reach at max. stacking height | mm (ft.in) | 725 (2'5") |
| a | Max. height fork-carrier | mm (ft.in) | 4765 (15'8") |
| b | Hinge pin height | mm (ft.in) | 3965 (13'0") |
| c | Max. stacking height | mm (ft.in) | 3820 (12'6") |
| d | Height of forks at maximum reach | mm (ft.in) | 1820 (6'0") |
| | Max. tipping load, straight | kg (lb) | 7005 (15,440) |
| | Max. tipping load, articulated | kg (lb) | 6120 (13,490) |
| | Max. payload as per EN 474-3, 80% | kg (lb) | 4895 (10,790) |
| | Max. payload as per EN 474-3, 60% | kg (lb) | 3670 (8,090) |
| | Weight in working order with fork tines | kg (lb) | 12510 (27,580) |



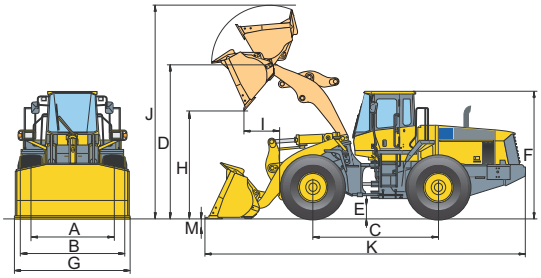



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## WA320-6 (Germany source)




Unit: mm (ft.in)

| | | |
|---|---|---|
| A | Tread | 2050 (6'9") |
| B | Width over tires | 2580 (8'6") |
| C | Wheelbase | 3030 (9'11") |
| D | Hinge pin height, max. height | 3910 (12'10") |
| E | Ground clearance | 465 (1'6") |
| F | Overall height, ROPS cab | 3200 (10'6") |
| | Turning radius at corner of tire | 5475 (18'0") |

### Measured with 17.5 R25 tires

| Bucket type | | | Earthmoving | | Stock pile | | Universal | |
|---|---|---|---|---|---|---|---|---|
| | | | with Teeth | with B.O.C. | with Teeth | with B.O.C. | with Teeth | with B.O.C. |
| Bucket mount | | | Direct | Direct | Direct | Direct | Direct | Direct |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 2.7 (3.5) | 2.9 (3.8) | 3.0 (3.9) | 3.2 (4.2) | 2.7 (3.5) | 2.9 (3.8) |
| | Struck | $m^3$ ($yd^3$) | – | – | – | – | – | – |
| G. Bucket width | | mm (ft.in) | 2740 (9'0") | 2750 (9'0") | 2740 (9'0") | 2750 (9'0") | 2740 (9'0") | 2750 (9'0") |
| Bucket weight | | kg (lb) | 1295 (2,855) | 1385 (3,053) | 1220 (2,690) | 1310 (2,888) | 1165 (2,568) | 1255 (2,767) |
| Static tipping load | Straight | kg (lb) | 12740 (25,280) | 12520 (27,600) | 12760 (28,130) | 12535 (27,630) | 12855 (28,340) | 12620 (27,820) |
| | Full turn (40°) | kg (lb) | 10860 (23,940) | 10650 (23,480) | 10890 (24,010) | 10675 (23,530) | 10980 (24,210) | 10760 (23,720) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2678 (8'9") | 2780 (9'1") | 2642 (8'8") | 2746 (9'0") | 2682 (8'10") | 2785 (9'2") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | – | – | – | – | – | – |
| I. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1147 (3'9") | 1025 (3'4") | 1183 (3'11") | 1060 (3'6") | 1143 (3'9") | 1020 (3'4") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | – | – | – | – | – | – |
| J. Operating height (fully raised) | | mm (ft.in) | 5260 (17'3") | 5260 (17'3") | 5415 (17'9") | 5415 (17'9") | 5320 (17'5") | 5320 (17'5") |
| K. Overall length, bucket on ground | | mm (ft.in) | 7770 (25'6") | 7635 (25'1") | 7820 (25'8") | 7685 (25'3") | 7765 (25'6") | 7630 (25'0") |
| Turning radius* | | mm (ft.in) | 6160 (20'3") | 6125 (20'1") | 6170 (20'3") | 6135 (20'2") | 6155 (20'2") | 6120 (20'1") |
| Digging depth | 0° | mm (ft.in) | 105 (4.1") | 135 (5.3") | 105 (4.1") | 135 (5.3") | 105 (4.1") | 135 (5.3") |
| | 10° | mm (ft.in) | – | – | – | – | – | – |
| Breakout force | | kN kgf (lb) | 157.6 16070 (35,430) | 156.5 15960 (35,190) | 155.8 15890 (35,030) | 154.8 15780 (34,790) | 156.8 15990 (35,250) | 155.8 15890 (35,030) |
| Operating weight | | kg (lb) | 14940 (32,940) | 15030 (33,140) | 14865 (32,770) | 14955 (32,970) | 14810 (32,650) | 14900 (32,850) |

* Bucket at carry, outside corner of bucket.
** At the end of B.O.C. or teeth

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Change in Reach at 45° | | Change in Vertical Dimensions | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in |
| 20.5 R25 (L2) | –200 | –441 | –140 | –309 | –130 | –287 | 0 | 0" | 0 | 0" | –40 | –1.6" |
| 20.5 R25 (L5) | +660 | +1,455 | +480 | +1,058 | +425 | +937 | 0 | 0" | –25 | –1" | +25 | +1" |
| 23.5 R25 (L2) | +340 | +750 | +245 | +540 | +220 | +485 | +75 | +3.0" | –60 | –2.4" | +60 | +2.4" |

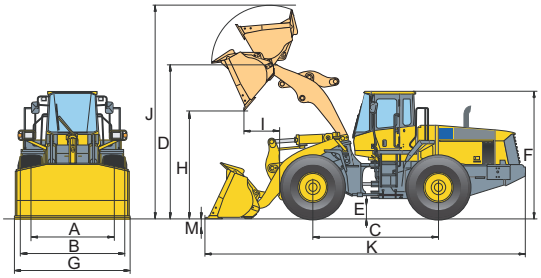


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## WA320-6 (Germany source)




Unit: mm (ft.in)

| | | |
|---|---|---|
| A | Tread | 2050 (6'9") |
| B | Width over tires | 2580 (8'6") |
| C | Wheelbase | 3030 (9'11") |
| D | Hinge pin height, max. height | 3910 (12'10") |
| E | Ground clearance | 465 (1'6") |
| F | Overall height, ROPS cab | 3200 (10'6") |
| | Turning radius at corner of tire | 5475 (18'0") |

### Bucket (with quick coupler)

### Measured with 20.5 R25 tires

| Bucket type | | | Earthmoving | | Stock pile | | Universal | |
|---|---|---|---|---|---|---|---|---|
| | | | with Teeth | with B.O.C. | with Teeth | with B.O.C. | with Teeth | with B.O.C. |
| Bucket mount | | | QC | QC | QC | QC | QC | QC |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 2.7 (3.5) | 2.9 (3.8) | 3.0 (3.9) | 3.2 (4.2) | 2.7 (3.5) | 2.9 (3.8) |
| | Struck | $m^3$ ($yd^3$) | – | – | – | – | – | – |
| G. Bucket width | | mm (ft.in) | 2740 (9'0") | 2750 (9'0") | 2740 (9'0") | 2750 (9'0") | 2740 (9'0") | 2750 (9'0") |
| Bucket weight | | kg (lb) | 1665 (3,671) | 1755 (3,869) | 1560 (3,439) | 1650 (3,638) | 1510 (3,329) | 1600 (3,527) |
| Static tipping load | Straight | kg (lb) | 11800 (22,050) | 11595 (25,560) | 11880 (26,190) | 11680 (25,750) | 11910 (26,260) | 11755 (25,920) |
| | Full turn (40°) | kg (lb) | 10000 (23,940) | 9815 (21,640) | 10095 (22,260) | 9905 (21,840) | 10120 (22,310) | 9975 (21,990) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2532 (8'4") | 2635 (8'8") | 2502 (8'3") | 2605 (8'7") | 2540 (8'4") | 2645 (8'8") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | – | – | – | – | – | – |
| I. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1308 (4'3") | 1185 (3'11") | 1338 (4'5") | 1215 (4'0") | 1300 (4'3") | 1175 (3'10") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | – | – | – | – | – | – |
| J. Operating height (fully raised) | | mm (ft.in) | 5420 (17'9") | 5420 (17'9") | 5575 (18'3") | 5575 (18'3") | 5480 (18'0") | 5480 (18'0") |
| K. Overall length, bucket on ground | | mm (ft.in) | 7980 (26'2") | 7845 (25'9") | 8020 (26'4") | 7885 (25'10") | 7965 (26'2") | 7830 (25'8") |
| Turning radius* | | mm (ft.in) | 6225 (20'5") | 6185 (20'4") | 6235 (20'5") | 6200 (20'4") | 6220 (20'5") | 6180 (20'3") |
| Digging depth | 0° | mm (ft.in) | 100 (3.9") | 130 (5.1") | 100 (3.9") | 130 (5.1") | 100 (3.9") | 130 (5.1") |
| | 10° | mm (ft.in) | – | – | – | – | – | – |
| Breakout force | | kN kgf (lb) | 149.4 15230 (33,580) | 148.9 15180 (33,470) | 145.3 14820 (32,670) | 143 14580 (32,140) | 149 15190 (33,490) | 147.7 15060 (33,200) |
| Operating weight | | kg (lb) | 15310 (33,750) | 15400 (33,950) | 15205 (33,520) | 15295 (33,720) | 15155 (33,410) | 15245 (33,610) |

* Bucket at carry, outside corner of bucket.
** At the end of B.O.C. or teeth

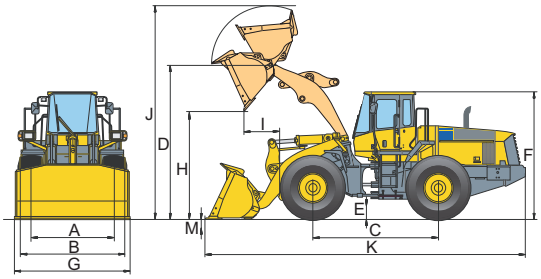


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## WA320PZ-6 (Germany source)




Unit: mm (ft.in)

| | | |
|---|---|---|
| A | Tread | 2050 (6'9") |
| B | Width over tires | 2580 (8'6") |
| C | Wheelbase | 3030 (9'11") |
| D | Hinge pin height, max. height | 4010 (13'2") |
| E | Ground clearance | 465 (1'6") |
| F | Overall height, ROPS cab | 3200 (10'6") |
| | Turning radius at corner of tire | 5475 (18'0") |

### Measured with 20.5 R25 tires

| Bucket type | | | Earthmoving | | Stockpile | | Universal | |
|---|---|---|---|---|---|---|---|---|
| | | | With teeth | With B.O.C. | With teeth | With B.O.C. | With teeth | With B.O.C. |
| Bucket mount | | | Direct | Direct | Direct | Direct | Direct | Direct |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 2.7 (3.5) | 2.9 (3.8) | 3.0 (3.9) | 3.2 (4.2) | 2.7 (3.5) | 2.9 (3.8) |
| | Struck | $m^3$ ($yd^3$) | – | – | – | – | – | – |
| G. Bucket width | | mm (ft.in) | 2740 (9'0") | 2750 (9'0") | 2740 (9'0") | 2750 (9'0") | 2740 (9'0") | 2750 (9'0") |
| Bucket weight | | kg (lb) | 1325 (2,921) | 1415 (3,120) | 1265 (2,789) | 1355 (2,987) | 1210 (2,668) | 1300 (2,866) |
| Static tipping load | Straight | kg (lb) | 11465 (25,280) | 11300 (24,910) | 11470 (25,290) | 11235 (24,770) | 11560 (25,490) | 11360 (25,040) |
| | 40° full turn | kg (lb) | 9850 (21,720) | 9695 (21,370) | 9860 (21,740) | 9645 (21,260) | 9950 (21,940) | 9765 (21,530) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2750 (9'0") | 2840 (9'4") | 2715 (8'11") | 2800 (9'2") | 2750 (9'0") | 2840 (9'4") |
| I. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1145 (3'9") | 1015 (3'4") | 1185 (3'11") | 1055 (3'6") | 1145 (3'9") | 1015 (3'4") |
| J. Operating height (fully raised) | | mm (ft.in) | 5335 (17'6") | 5335 (17'6") | 5500 (18'1") | 5500 (18'1") | 5400 (17'9") | 5400 (17'9") |
| K. Overall length, bucket on ground | | mm (ft.in) | 7850 (25'9") | 7725 (25'4") | 7905 (25'11") | 7780 (25'6") | 7850 (25'9") | 7725 (25'4") |
| Turning radius* | | mm (ft.in) | 6180 (20'3") | 6150 (20'2") | 6195 (20'4") | 6165 (20'3") | 6180 (20'3") | 6150 (20'2") |
| Digging depth | 0° | mm (ft.in) | 150 (5.9") | 180 (7.1") | 150 (5.9") | 180 (7.1") | 150 (5.9") | 180 (7.1") |
| | 10° | mm (ft.in) | – | – | – | – | – | – |
| Breakout force | | kN<br>kgf<br>(lb) | 171.5<br>17490<br>(35,560) | 160.6<br>16380<br>(36,110) | 163.5<br>16670<br>(36,750) | 153.6<br>15660<br>(34,520) | 171.5<br>17490<br>(38,560) | 160.6<br>16380<br>(36,110) |
| Operating weight | | kg (lb) | 15350 (33,840) | 15440 (34,040) | 15290 (33,710) | 15380 (33,910) | 15235 (33,590) | 15325 (33,790) |

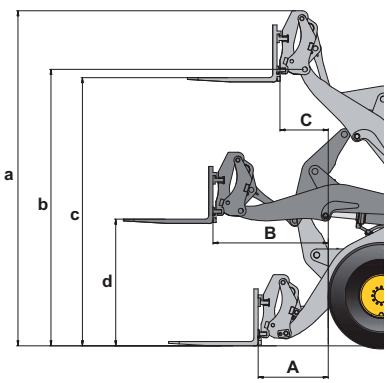
* Bucket at carry, outside corner of bucket.
** At the end of B.O.C. or teeth

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Change in Reach at 45° | | Change in Vertical Dimensions | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in |
| 20.5 R25 (L2) | –200 | –441 | –130 | –287 | –115 | –254 | 0 | 0" | –40 | –1.6" | –40 | –1.6" |
| 20.5 R25 (L5) | +660 | +1,455 | +430 | +948 | +380 | +838 | 0 | 0" | –25 | –1.0" | +25 | +1" |
| 23.5 R25 (L3) | +340 | +750 | +200 | +441 | +175 | +386 | +75 | +3.0" | –60 | –2.4" | +60 | +2.4" |

### Fork tines

| | | | |
|---|---|---|---|
| | Fork tine length | mm (ft.in) | 1200 (3'11") |
| A | Max.reach at ground level | mm (ft.in) | 1015 (3'4") |
| B | Max. reach | mm (ft.in) | 1665 (5'6") |
| C | Max. reach at max. stacking height | mm (ft.in) | 770 (2'6") |
| a | Max. height fork-carrier | mm (ft.in) | 4765 (15'8") |
| b | Hinge pin height | mm (ft.in) | 4010 (13'2") |
| c | Max. stacking height | mm (ft.in) | 3825 (12'7") |
| d | Height of forks at maximum reach | mm (ft.in) | 1815 (5'11") |
| | Max. tipping load, straight | kg (lb) | 8870 (19,560) |
| | Max. tipping load, articulated | kg (lb) | 7655 (16,880) |
| | Max. payload as per EN 474-3, 80% | kg (lb) | 6120 (13,490) |
| | Max. payload as per EN 474-3, 60% | kg (lb) | 4600 (10,140) |
| | Weight in working order with fork tines | kg (lb) | 15055 (33,190) |



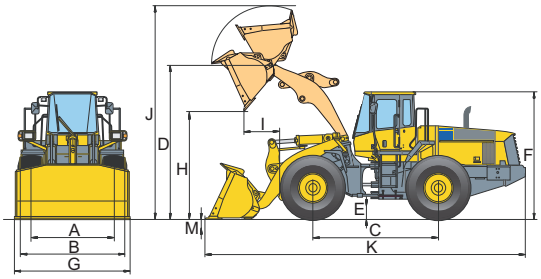



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## WA320PZ-6 (Germany source)




Unit: mm (ft.in)

| | | |
|---|---|---|
| A | Tread | 2050 (6'9") |
| B | Width over tires | 2580 (8'6") |
| C | Wheelbase | 3030 (9'11") |
| D | Hinge pin height, max. height | 4010 (13'2") |
| E | Ground clearance | 465 (1'6") |
| F | Overall height, ROPS cab | 3200 (10'6") |
| | Turning radius at corner of tire | 5475 (18'0") |

### Bucket (with quick coupler)

### Measured with 20.5 R25 tires

| Bucket type | | | Earthmoving | | Stockpile | | Universal | |
|---|---|---|---|---|---|---|---|---|
| | | | With teeth | With B.O.C. | With teeth | With B.O.C. | With teeth | With B.O.C. |
| Bucket mount | | | Quick Coupler | Quick Coupler | Quick Coupler | Quick Coupler | Quick Coupler | Quick Coupler |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 2.7 (3.5) | 2.9 (3.8) | 3.0 (3.9) | 3.2 (4.2) | 2.6 (345) | 2.7 (3.5) |
| | Struck | $m^3$ ($yd^3$) | – | – | – | – | – | – |
| G. Bucket width | | mm (ft.in) | 2740 (9'0") | 2750 (9'0") | 2740 (9'0") | 2750 (9'0") | 2740 (9'0") | 2750 (9'0") |
| Bucket weight | | kg (lb) | 1230 (2,712) | 1320 (2,910) | 1130 (2,491) | 1220 (2,690) | 1025 (2,260) | 1115 (2,458) |
| Static tipping load | Straight | kg (lb) | 10850 (23,920) | 10655 (23,490) | 10920 (24,070) | 10735 (23,670) | 11135 (24,550) | 10945 (24,130) |
| | 40° full turn | kg (lb) | 9275 (20,450) | 9090 (20,040) | 9350 (20,610) | 9175 (20,230) | 9550 (21,050) | 9370 (20,660) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2660 (8'9") | 2745 (9'0") | 2630 (8'8") | 2715 (8'11") | 2715 (8'11") | 2800 (9'2") |
| I. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1315 (4'4") | 1185 (3'11") | 1345 (4'5") | 1215 (4'0") | 1260 (4'2") | 1135 (3'9") |
| J. Operating height (fully raised) | | mm (ft.in) | 5500 (18'1") | 5500 (18'1") | 5660 (18'7") | 5660 (18'7") | 5495 (18'0") | 5495 (18'0") |
| K. Overall length, bucket on ground | | mm (ft.in) | 7990 (26'3") | 7865 (25'10") | 8035 (26'4") | 7910 (25'11") | 7920 (26'0") | 7795 (25'7") |
| Turning radius* | | mm (ft.in) | 6215 (20'5") | 6180 (20'3") | 6225 (20'5") | 6195 (20'4") | 6190 (20'4") | 6160 (20'3") |
| Digging depth | 0° | mm (ft.in) | 95 (3.7") | 125 (4.9") | 95 (3.7") | 125 (4.9") | 95 (3.7") | 125 (4.9") |
| | 10° | mm (ft.in) | – | – | – | – | – | – |
| Breakout force | | kN<br>kgf<br>(lb) | 147.6<br>15050<br>(33,180) | 139.5<br>14220<br>(31,350) | 143<br>14580<br>(32,140) | 135.4<br>13810<br>(30,450) | 156.3<br>15940<br>(35,140) | 147.3<br>15020<br>(33,110) |
| Operating weight | | kg<br>(lb) | 15710<br>(34,630) | 15800<br>(34,830) | 15610<br>(34,7410) | 15700<br>(34,610) | 15505<br>(34,180) | 15595<br>(34,380) |

* Bucket at carry, outside corner of bucket.
** At the end of B.O.C. or teeth

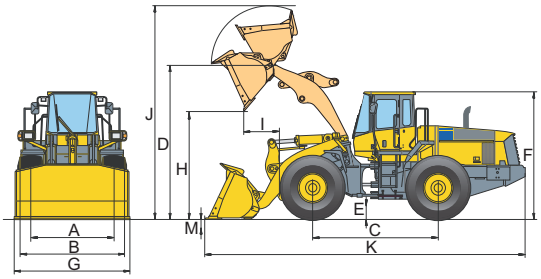


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## WA380-7 (for EU)




Unit: mm (ft.in)

| | | |
|---|---|---|
| A | Tread | 2160 (7'1") |
| B | Width over tires | 2765 (9'1") |
| C | Wheelbase | 3300 (10'10") |
| D | Hinge pin height, max. height | 4095 (13'5") |
| E | Ground clearance | 450 (1'6") |
| F | Overall height, ROPS cab | 3395 (11'2") |
| | Turning radius at corner of tire | 6320 (20'9") |

**Measured with 23.5 R25 (L3) tires** **Bucket with raised bottom**

| Bucket type | | | Universal | | Stockpile | |
|---|---|---|---|---|---|---|
| | | | with Teeth | with B.O.C. | with Teeth | with B.O.C. |
| Bucket mount | | | Direct | Direct | Direct | Direct |
| Bucket capacity | Heaped | m³ (yd³) | 3.2 (4.2) | 3.35 (4.4) | 3.6 (4.7) | 3.75 (4.9) |
| | Struck | m³ (yd³) | – | – | – | – |
| G. Bucket width | | mm (ft.in) | 2990 (9'10") | 2990 (9'10") | 2990 (9'10") | 2990 (9'10") |
| Bucket weight | | kg (lb) | 1615 (3,560) | 1725 (3,803) | 1690 (3,726) | 1800 (3,968) |
| Static tipping load | Straight | kg (lb) | 14565 (32,110) | 14290 (31,500) | 14645 (32,290) | 14370 (31,680) |
| | Full turn (40°) | kg (lb) | 12890 (28,420) | 12265 (27,040) | 12960 (28,570) | 12695 (27,990) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2790 (9'2") | 2895 (9'6") | 2790 (9'2") | 2895 (9'6") |
| I. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1235 (4'1") | 1110 (3'8") | 1235 (4'1") | 1110 (3'8") |
| J. Operating height (fully raised) | | mm (ft.in) | 5585 (18'4") | 5585 (18'4") | 5760 (18'11") | 5760 (18'11") |
| K. Overall length, bucket on ground | | mm (ft.in) | 8225 (27'0") | 8380 (27'6") | 8225 (27'0") | 8380 (27'6") |
| Turning radius* | | mm (ft.in) | 7305 (24'0") | 7265 (23'10") | 7305 (24'0") | 7265 (23'10") |
| Digging depth | 0° | mm (ft.in) | 120 (4.7") | 120 (4.7") | 90 (3.5") | 90 (3.5") |
| | 10° | mm (ft.in) | – | – | – | – |
| Breakout force | | kN<br>kgf (lb) | 163<br>16620 (36,640) | 151<br>15400 (33,950) | 162<br>16520 (36,420) | 150<br>15300 (33,730) |
| Operating weight | | kg (lb) | 18510 (40,810) | 18625 (41,060) | 18585 (40,970) | 18695 (41,210) |

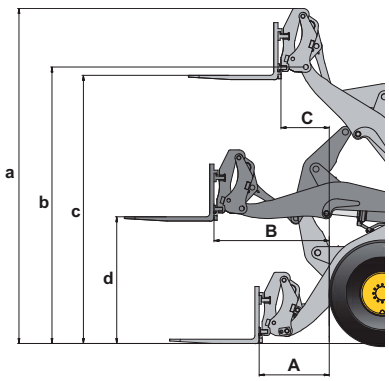
* Bucket at carry, outside corner of bucket.
** AtAt the end of B.O.C. or teeth

### Weight and Dimension Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Change in Reach | | Change in Vertical Dimensions | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in |
| XMINE L5 tires | +720 | +1,587 | +550 | +1,213 | +460 | +1,014 | +35 | +1.4 | –25 | –1.0" | +45 | +1.8" |
| Additional counterweight | +245 | +1,455 | +855 | +948 | +715 | +838 | 0 | 0" | 0 | 0" | 0 | 0" |
| High lift boom (with add. CW) | +665 | +1,466 | –3275 | –7,220 | –2770 | –6,107 | 0 | 0 | +140 | +9.4" | +530 | +1'9" |

### Fork tines

| | | | |
|---|---|---|---|
| | Fork tine length | mm (ft.in) | 1500 (4'11") |
| A | Max.reach at ground level | mm (ft.in) | 1020 (3'4") |
| B | Max. reach | mm (ft.in) | 1680 (5'6") |
| C | Max. reach at max. stacking height | mm (ft.in) | 820 (2'8") |
| a | Max. height fork-carrier | mm (ft.in) | 4930 (16'2") |
| b | Hinge pin height | mm (ft.in) | 4095 (13'5") |
| c | Max. stacking height | mm (ft.in) | 3925 (12'11") |
| d | Height of forks at maximum reach | mm (ft.in) | 1885 (6'2") |
| | Max. tipping load, straight | kg (lb) | 10250 (22,600) |
| | Max. tipping load, articulated | kg (lb) | 9195 (20,270) |
| | Max. payload as per EN 474-3, 80% | kg (lb) | 7000 (15,430) |
| | Max. payload as per EN 474-3, 60% | kg (lb) | 5375 (11,850) |
| | Weight in working order with fork tines | kg (lb) | 18115 (39,940) |



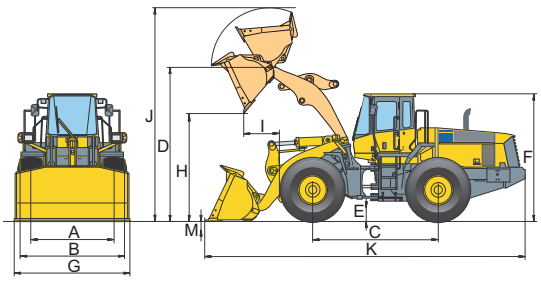



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## WA380-7 (for EU)




Unit: mm (ft.in)

| | | |
|---|---|---|
| A | Tread | 2160 (7'1") |
| B | Width over tires | 2765 (9'1") |
| C | Wheelbase | 3300 (10'10") |
| D | Hinge pin height, max. height | 4095 (13'5") |
| E | Ground clearance | 450 (1'6") |
| F | Overall height, ROPS cab | 3395 (11'2") |
| | Turning radius at corner of tire | 6320 (20'9") |

**Measured with 23.5 R25 (L3) tires** **Bucket with flat bottom**

| Bucket type | | | Universal | | Stockpile | |
|---|---|---|---|---|---|---|
| | | | with Teeth | with B.O.C. | with Teeth | with B.O.C. |
| Bucket mount | | | Direct | Direct | Direct | Direct |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 3.1 (4.1) | 3.25 (4.3) | 3.5 (4.6) | 3.65 (4.8) |
| | Struck | $m^3$ ($yd^3$) | – | – | – | – |
| G. Bucket width | | mm (ft.in) | 2990 (9'10") | 2990 (9'10") | 2990 (9'10") | 2990 (9'10") |
| Bucket weight | | kg (lb) | 1650 (3,638) | 1760 (3,880) | 1720 (3,792) | 1835 (4,045) |
| Static tipping load | Straight | kg (lb) | 14335 (31,660) | 14105 (31,100) | 14460 (31,880) | 14185 (31,270) |
| | Full turn (40°) | kg (lb) | 12690 (27,980) | 12465 (27,480) | 12790 (28,200) | 12520 (27,660) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2800 (9'2") | 2905 (9'6") | 2800 (9'2") | 2905 (9'6") |
| I. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1225 (4'0") | 1100 (3'7") | 1225 (4'0") | 1100 (3'7") |
| J. Operating height (fully raised) | | mm (ft.in) | 5575 (18'3") | 5575 (18'3") | 5750 (18'10") | 5750 (18'10") |
| K. Overall length, bucket on ground | | mm (ft.in) | 8195 (26'11") | 8365 (27'5") | 8195 (26'11") | 8365 (27'5") |
| Turning radius* | | mm (ft.in) | 7300 (23'11") | 7260 (23'10") | 7300 (23'11") | 7260 (23'10") |
| Digging depth | 0° | mm (ft.in) | 120 (4.7") | 120 (4.7") | 90 (3.5") | 90 (3.5") |
| | 10° | mm (ft.in) | – | – | – | – |
| Breakout force | | kN<br>kgf (lb) | 164<br>16720 (36,860) | 153<br>15600 (34,390) | 164<br>16720 (36,860) | 152<br>15500 (34,170) |
| Operating weight | | kg (lb) | 18545 (40,880) | 18655 (41,130) | 18620 (41,050) | 18730 (41,290) |

* Bucket at carry, outside corner of bucket.
** At the end of B.O.C. or teeth

### Weight and Dimension Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Change in Reach | | Change in Vertical Dimensions | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in |
| XMINE L5 tires | +720 | +1,587 | +550 | +1,213 | +460 | +1,014 | +35 | +1.4 | –25 | –1.0" | +45 | +1.8" |
| Additional counterweight | +245 | +1,455 | +855 | +948 | +715 | +838 | 0 | 0" | 0 | 0" | 0 | 0" |
| High lift boom (with add. CW) | +665 | +1,466 | –3275 | –7,220 | –2770 | –6,107 | 0 | 0 | +140 | +9.4" | +530 | +1'9" |



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## WA380-6 (Germany source)

### Measured with 23.5 R25 (L3) tires

| Bucket type | | | Stockpile | | | Heavy Duty | | |
|---|---|---|---|---|---|---|---|---|
| | | | W/O teeth | With teeth | With B.O.C. | W/O teeth | With teeth | With B.O.C. |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 3.45 (4.51) | 3.45 (4.51) | 3.6 (4.71) | 3.0 (3.92) | 3.0 (3.92) | 3.2 (3.92) |
| | Struck | $m^3$ ($yd^3$) | – | – | – | – | – | – |
| Bucket width | | mm (ft.in) | 2915 (9'7") | 2915 (9'7") | 2925 (9'7") | 2915 (9'7") | 2915 (9'7") | 2925 (9'7") |
| Bucket weight | | kg (lb) | 1690 (3,726) | 1750 (3,858) | 1910 (4,211) | 1680 (3704) | 1740 (3,836) | 1900 (4,189) |
| Static tipping load | Straight | kg (lb) | 15025 (33,120) | 14945 (32,950) | 14640 (32,280) | 15080 (33,250) | 15000 (33,070) | 14690 (32,390) |
| | 40° full turn | kg (lb) | 13355 (29,440) | 13235 (29,180) | 12940 (28,530) | 13365 (29,460) | 13290 (29,300) | 12990 (28,640) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2955 (9'8") | 2795 (9'2") | 2880 (9'5") | 3040 (10'0") | 2880 (9'5") | 2970 (9'9") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | – | – | – | – | – | – |
| I. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1165 (3'10") | 1325 (4'4") | 1200 (3'11") | 1070 (3'6") | 1230 (4'0") | 1105 (3'8") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | – | – | – | – | – | – |
| J. Operating height (fully raised) | | mm (ft.in) | 5565 (18'3") | 5565 (18'3") | 5565 (18'3") | 5460 (17'11") | 5460 (17'11") | 5460 (17'11") |
| K. Overall length | | mm (ft.in) | 8155 (26'9") | 8380 (27'6") | 8250 (27'1") | 8030 (26'4") | 8255 (27'1") | 8125 (26'8") |
| Turning radius | | mm (ft.in) | 7200 (23'7") | 7265 (23'10") | 7230 (23'9") | 7170 (23'6") | 7230 (23'9") | 7195 (23'7") |
| M. Digging depth | 0° | mm (ft.in) | 80 (3.1") | 80 (3.1") | 110 (4.3") | 85 (3.3") | 85 (3.3") | 115 (4.5") |
| | 10° | mm (ft.in) | – | – | – | – | – | – |
| Breakout force | | kN<br>kgf<br>(lb) | 165<br>16830<br>(37,100) | 165<br>16830<br>(37,100) | 155<br>15810<br>(34,850) | 184<br>18770<br>(41,380) | 184<br>18770<br>(41,380) | 172<br>17540<br>(38,670) |
| Operating weight | | kg (lb) | 17840 (39,330) | 17890 (39,440) | 18060 (39,820) | 17830 (39,310) | 17890 (39,440) | 18050 (39,790) |

### Measured with 23.5 R25 (L3) tires

| Bucket type | | | Universal (Quick Coupler mount***) | | | Universal (High-lift) |
|---|---|---|---|---|---|---|
| | | | W/O teeth | With teeth | With B.O.C. | W/O teeth |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 3.1 (4.05) | 3.1 (4.05) | 3.25 (4.25) | 3.1 (4.05) |
| | Struck | $m^3$ ($yd^3$) | – | – | – | – |
| Bucket width | | mm (ft.in) | 2160 (7'1") | 2160 (7'1") | 2160 (7'1") | 2160 (7'1") |
| Bucket weight | | kg (lb) | 1280 (2,820) | 1360 (3,000) | 1500 (3,310) | 1420 (3,130) |
| Static tipping load | Straight | kg (lb) | 14470 (31,900) | 14355 (31,650) | 14090 (31,060) | 11560 (25,490) |
| | 40° full turn | kg (lb) | 12815 (28,250) | 12700 (28,000) | 12445 (27,440) | 10200 (22,490) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2850 (9'4") | 2690 (8'10") | 2775 (9'1") | 3520 (11'7") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | – | – | – | – |
| I. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1310 (4'4") | 1470 (4'10") | 1340 (4'5") | 1215 (4'0") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | – | – | – | – |
| J. Operating height (fully raised) | | mm (ft.in) | 5640 (18'6") | 5640 (18'6") | 5640 (18'6") | 6000 (19'8") |
| K. Overall length | | mm (ft.in) | 8305 (27'3") | 8530 (28'0") | 8405 (27'7") | 8700 (28'7") |
| Turning radius | | mm (ft.in) | 7240 (23'9") | 7305 (24'0") | 7270 (23'10") | 7810 (25'7") |
| M. Digging depth | 0° | mm (ft.in) | 50 (2.0") | 50 (2.0") | 80 (3.1") | 135 (5.3") |
| | 10° | mm (ft.in) | – | – | – | – |
| Breakout force | | kN<br>kgf<br>(lb) | 145<br>14790<br>(32,610) | 145<br>14790<br>(32,610) | 137<br>13970<br>(30,800) | 163<br>16630<br>(36,660) |
| Operating weight | | kg (lb) | 17940 (39,550) | 18020 (39,730) | 18160 (40,040) | 17910 (39,480) |

* Bucket at carry, outside corner of bucket.
** At the end of tooth or B.O.C.
*** Market compatible

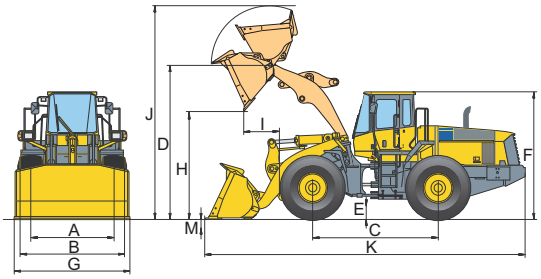


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## WA380-6 (Germany source)




Unit: mm (ft.in)

| | | |
|---|---|---|
| A | Tread | 2160 (7'1") |
| B | Width over tires | 2765 (9'1") |
| C | Wheelbase | 3300 (10'10") |
| D | Hinge pin height, max. height | 4095 (13'5") |
| E | Ground clearance | 450 (1'6") |
| F | Overall height, ROPS cab | 3390 (11'1") |
| | Turning radius at corner of tire | 6660 (21'10") |

### Measured with 23.5 R25 (L3) tires

| Bucket type | | | Universal | | | Earthmoving | | |
|---|---|---|---|---|---|---|---|---|
| | | | W/O teeth | With teeth | With B.O.C. | W/O teeth | With teeth | With B.O.C. |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 3.1 (4.05) | 3.1 (4.05) | 3.25 (4.25) | 3.1 (4.05) | 3.1 (4.05) | 3.25 (4.25) |
| | Struck | $m^3$ ($yd^3$) | – | – | – | – | – | – |
| Bucket width | | mm (ft.in) | 2915 (9'7") | 2915 (9'7") | 2925 (9'7") | 2915 (9'7") | 2915 (9'7") | 2925 (9'7") |
| Bucket weight | | kg (lb) | 1420 (3,130) | 1480 (3,263) | 1640 (3,615) | 1540 (3,395) | 1600 (3,527) | 1725 (3,803) |
| Static tipping load | Straight | kg (lb) | 15300 (33,730) | 15200 (33,510) | 14905 (32,860) | 15165 (33,430) | 15085 (33,260) | 14805 (32,640) |
| | 40° full turn | kg (lb) | 13595 (29,970) | 13515 (29,800) | 13210 (29,120) | 13455 (29,660) | 13380 (29,500) | 13110 (28,900) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 3040 (10'0") | 2880 (9'5") | 2970 (9'9") | 2850 (9'4") | 2690 (8'10") | 2775 (9'1") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | – | – | – | – | – | – |
| I. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1070 (3'6") | 1230 (4'0") | 1105 (3'8") | 1310 (4'4") | 1470 (4'10") | 1340 (4'5") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | – | – | – | – | – | – |
| J. Operating height (fully raised) | | mm (ft.in) | 5460 (17'11") | 5460 (17'11") | 5460 (17'11") | 5640 (18'6") | 5640 (18'6") | 5640 (18'6") |
| K. Overall length | | mm (ft.in) | 8030 (26'4") | 8255 (27'1") | 8125 (26'8") | 8305 (27'3") | 8530 (28'0") | 8405 (27'7") |
| Turning radius | | mm (ft.in) | 7170 (23'6") | 7230 (23'9") | 7195 (23'7") | 7240 (23'9") | 7305 (24'0") | 7270 (23'10") |
| M. Digging depth | 0° | mm (ft.in) | 85 (3.3") | 85 (3.3") | 115 (4.5") | 50 (2.0") | 50 (2.0") | 80 (3.1") |
| | 10° | mm (ft.in) | – | – | – | – | – | – |
| Breakout force | | kN<br>kgf<br>(lb) | 184<br>18770<br>(41,380) | 184<br>18770<br>(41,380) | 174<br>17750<br>(39,130) | 145<br>14790<br>(32,600) | 145<br>14790<br>(32,600) | 137<br>13970<br>(30,800) |
| Operating weight | | kg (lb) | 17830 (39,310) | 17890 (39,440) | 18050 (39,790) | 17940 (39,550) | 18020 (39,730) | 18160 (40,040) |

* Bucket at carry, outside corner of bucket.
** At the end of tooth or B.O.C.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Ground Clearance | | Change in Vertical Dimensions | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in |
| 23.5 R25 XMINE D2 (L5) | +720 | +1,585 | +550 | +1,210 | +500 | +1,100 | +35 | +1.4" | +45 | +1.8" | +45 | +1.8" |
| Install additional counterweight (rear) | +325 | +715 | +840 | +1,850 | +730 | +1610 | +140 | +5.5" | | | | |
| Install additional counterweight (rear + sides) | +525 | +1,155 | +1250 | +2,755 | +1100 | +2,425 | +140 | +5.5" | | | | |

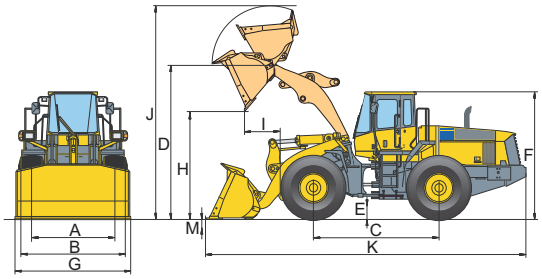


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## WA430-6 (Germany source)




Unit: mm (ft.in)

| | | |
|---|---|---|
| A | Tread | 2280 (7'6") |
| B | Width over tires | 2885 (9'6") |
| C | Wheelbase | 3300 (10'10") |
| D | Hinge pin height, max. height | 4155 (13'8") |
| E | Ground clearance | 450 (1'6") |
| F | Overall height, ROPS cab | 3390 (11'1") |
| | Turning radius at corner of tire | 6720 (22'1") |

### Measured with 23.5 R25 tires

| Bucket type | | | Universal | | | | |
|---|---|---|---|---|---|---|---|
| | | | With teeth | With B.O.C. | W/O teeth | With teeth | With B.O.C. |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 3.3 (4.3) | 3.45 (4.5) | 3.6 (4.7) | 3.6 (4.7) | 3.75 (4.9) |
| | Struck | $m^3$ ($yd^3$) | – | – | – | – | – |
| G. Bucket width | | mm (ft.in) | 2990 (9'10") | 3000 (9'10") | 2990 (9'10") | 2990 (9'10") | 3000 (9'10") |
| Bucket weight | | kg (lb) | 1750 (3,860) | 1800 (3,970) | 1607 (3,540) | 1763 (3,890) | 1833 (4,040) |
| Static tipping load | Straight | kg (lb) | 14765 (32,550) | 14630 (32,250) | 14940 (32,940) | 14725 (32,460) | 14550 (3,210) |
| | 40° full turn | kg (lb) | 13215 (29,130) | 13085 (28,850) | 13390 (29,520) | 13175 (29,050) | 13010 (28,680) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2815 (9'3") | 2935 (9'8") | 2980 (9'9") | 2795 (9'2") | 2905 (9'6") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | – | – | – | – | – |
| I. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1340 (4'5") | 1180 (3'10") | 1180 (3'10") | 1365 (4'6") | 1210 (4'0") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | – | – | – | – | – |
| J. Operating height (fully raised) | | mm (ft.in) | 5555 (18'3") | 5555 (18'3") | 5670 (18'7") | 5670 (18'7") | 5670 (18'7") |
| K. Overall length | | mm (ft.in) | 8690 (28'6") | 8515 (27'11") | 8460 (27'9") | 8735 (28'8") | 8560 (28'1") |
| Turning radius | | mm (ft.in) | 7360 (24'2") | 7315 (24'0") | 7295 (23'11") | 7370 (24'2") | 7330 (24'1") |
| M. Digging depth | 0° | mm (ft.in) | 160 (6.3") | 190 (7.5") | 160 (6.3") | 160 (6.3) | 190 (7.5") |
| | 10° | mm (ft.in) | – | – | – | – | – |
| Breakout force | | kN<br>kgf<br>(lb) | 164<br>16730<br>(36,880) | 154<br>15710<br>(34,630) | 159<br>16220<br>(35,760) | 159<br>16220<br>(35,760) | 149<br>15200<br>(33,510) |
| Operating weight | | kg (lb) | 19100 (42,110) | 19145 (42,210) | 18955 (41,790) | 19120 (12,150) | 19180 (42,280) |

* Bucket at carry, outside corner of bucket.
** At the end of tooth or B.O.C.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Overall length | | Change in Vertical Dimensions | | Change in Reach | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in | mm | ft.in |
| 23.5 R25 XLD D1A L4 | +570 | +1,257 | +425 | +937 | +385 | +849 | +40 | +1.6" | – | – | +35 | +1.4" | -28 | -1.1" |
| 23.5 R25 XMINE D2 L5 | +720 | +1,587 | +535 | +1,179 | +485 | +1,069 | +35 | +1.4" | – | – | +45 | +1.8" | -25 | -1.0" |
| 26.5 R25 XHA L3 | +325 | +716 | +815 | +1,797 | +710 | +1,565 | – | – | +140 | +5.5" | – | – | – | – |
| Additional counterweight (rear) | +600 | +1,323 | +445 | +981 | +405 | +893 | -10 | -0.4" | | | | | | |
| Additional counterweight (rear + side) | +815 | | +1670 | +3,682 | +1475 | +3,252 | – | – | +140 | +5.5" | – | – | – | – |



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## WA430-6 (Germany source)

### Measured with 23.5 R25 tires

| Bucket type | | | Stockpile | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | W/O teeth | With teeth | With B.O.C. | W/O teeth | With teeth | With B.O.C. |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 3.6 (4.7) | 3.6 (4.7) | 3.75 (4.9) | 4.0 (5.2) | 4.0 (5.2) | 4.2 (5.5) |
| | Struck | $m^3$ ($yd^3$) | – | – | – | – | – | – |
| G. Bucket width | | mm (ft.in) | 2990 (9'10") | 2990 (9'10") | 3000 (9'10") | 2990 (9'10") | 2990 (9'10") | 3000 (9'10") |
| Bucket weight | | kg (lb) | 1735 (3,820) | 1902 (4,190) | 1962 (4,325) | 1902 (4,190) | 2068 (4,560) | 2124 (4,680) |
| Static tipping load | Straight | kg (lb) | 14645 (32,290) | 14425 (31,800) | 14255 (31,430) | 14545 (47,720) | 14325 (31,580) | 14155 (31,210) |
| | 40° full turn | kg (lb) | 13110 (28,900) | 12890 (28,420) | 12725 (28,050) | 13005 (28,670) | 12785 (28,190) | 12625 (27,830) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2960 (9'9") | 2775 (9'1") | 2885 (9'6") | 2920 (9'7") | 2735 (9'0") | 2845 (9'4") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | – | – | – | – | – | – |
| I. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1195 (3'11") | 1380 (4'6") | 1330 (4'4") | 1235 (4'1") | 1420 (4'8") | 1265 (4'2") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | – | – | – | – | – | – |
| J. Operating height (fully raised) | | mm (ft.in) | 5535 (18'2") | 5535 (18'2") | 5535 (18'2") | 5770 (18'11") | 5770 (18'11") | 5770 (18'11") |
| K. Overall length | | mm (ft.in) | 8485 (27'10") | 8760 (28'9") | 8585 (28'2") | 8540 (28'0") | 8815 (28'11") | 8640 (28'4") |
| Turning radius* | | mm (ft.in) | 7305 (24'2") | 7380 (24'3") | 7340 (24'1") | 7320 (24'0") | 7395 (24'3") | 7355 (24'2") |
| M. Digging depth | 0° | mm (ft.in) | 160 (6.3") | 160 (6.3") | 190 (7.5") | 160 (6.3") | 160 (6.3") | 190 (7.5") |
| | 10° | mm (ft.in) | – | – | – | – | – | – |
| Breakout force | | kN<br>kgf<br>(lb) | 155<br>15810<br>(34,850) | 155<br>15810<br>(34,850) | 146<br>14890<br>(32,830) | 149<br>15200<br>(33,510) | 149<br>15200<br>(33,510) | 141<br>14380<br>(31,700) |
| Operating weight | | kg (lb) | 19080 (42,060) | 19250 (42,440) | 19310 (42,570) | 19250 (42,440) | 19415 (42,800) | 19470 (42,920) |

| Bucket type | | | Earthmoving | | Heavy Duty | | Universal (High-lift)*** |
|---|---|---|---|---|---|---|---|
| | | | With teeth | With B.O.C. | With teeth | With B.O.C. | W/O teeth |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 3.4 (4.4) | 3.55 (4.6) | 3.4 (4.4) | 3.5 (4.6) | 3.3 (4.3) |
| | Struck | $m^3$ ($yd^3$) | – | – | – | – | – |
| G. Bucket width | | mm (ft.in) | 2990 (9'10") | 3000 (9'10") | 2990 (9'10") | 3000 (9'10") | 2990 (9'10") |
| Bucket weight | | kg (lb) | 1748 (3,850) | 1808 (3,990) | 1980 (4,370) | 2040 (4,500) | 1580 (3,480) |
| Static tipping load | Straight | kg (lb) | 14660 (32,320) | 14475 (31,910) | 14415 (31,780) | 14235 (31,380) | 13135 (28,960) |
| | 40° full turn | kg (lb) | 13115 (43,030) | 12945 (28,540) | 12870 (28,370) | 12700 (28,000) | 11700 (25,890) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2810 (9'3") | 2920 (9'7") | 2825 (9'3") | 2935 (9'8") | 3500 (11'6") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | – | – | – | – | – |
| I. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1345 (4'5") | 1195 (3'11") | 1335 (4'5") | 1180 (3'10") | 1255 (4'1") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | – | – | – | – | – |
| J. Operating height (fully raised) | | mm (ft.in) | 5535 (18'2") | 5535 (18'2") | 5535 (18'2") | 5535 (18'2") | 6045 (19'10") |
| K. Overall length | | mm (ft.in) | 8710 (28'7") | 8535 (28'0") | 8690 (28'6") | 8515 (27'11") | 8950 (29'4") |
| Turning radius | | mm (ft.in) | 7365 (24'2") | 7325 (24'0") | 7360 (24'2") | 7315 (24'0") | 7500 (24'7") |
| M. Digging depth | 0° | mm (ft.in) | 160 (6.3") | 190 (7.5") | 160 (6.3") | 190 (7.5") | 205 (8'1") |
| | 10° | mm (ft.in) | – | – | – | – | – |
| Breakout force | | kN<br>kgf<br>(lb) | 162<br>16520<br>(36,420) | 152<br>15500<br>(34,170) | 164<br>16720<br>(36,860) | 154<br>15710<br>(34,630) | 157<br>16010<br>(35,300) |
| Operating weight | | kg (lb) | 19005 (41,900) | 19155 (42,230) | 19325 (42,600) | 19390 (42,750) | 20010 (44,110) |

* Bucket at carry, outside corner of bucket.
** At the end of tooth or B.O.C.
*** Market compatible

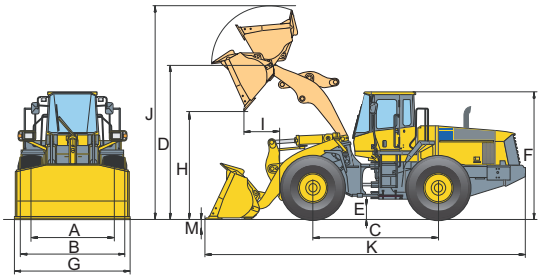


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## WA470-6 (Germany source)




Unit: mm (ft.in)

| | | |
|---|---|---|
| A | Tread | 2300 (7'7") |
| B | Width over tires | 2975 (9'9") |
| C | Wheelbase | 3450 (11'4") |
| D | Hinge pin height, max. height | 4335 (14'3") |
| E | Ground clearance | 505 (1'8") |
| F | Overall height, ROPS cab | 3470 (11'5") |
| | Turning radius at corner of tire | 6990 (22'11") |

### Measured with 23.5 R25 tires

| Bucket type | | | Universal | | | | |
|---|---|---|---|---|---|---|---|
| | | | With teeth | With B.O.C. | W/O teeth | With teeth | With B.O.C. |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 4.1 (5.4) | 4.25 (5.56) | 4.5 (5.9) | 4.5 (5.9) | 4.65 (6.1) |
| | Struck | $m^3$ ($yd^3$) | – | – | – | – | – |
| G. Bucket width | | mm (ft.in) | 2995 (9'10") | 3000 (9'10") | 3160 (10'4") | 3165 (10'5") | 3170 (10'5") |
| Bucket weight | | kg (lb) | 2015 (4,440) | 2090 (4,610) | 1923 (4,240) | 2085 (4,600) | 2162 (4,770) |
| Static tipping load | Straight | kg (lb) | 18505 (40,800) | 18275 (40,290) | 18650 (41,120) | 18430 (40,630) | 18180 (40,080) |
| | 37° full turn | kg (lb) | 16510 (36,400) | 16300 (35,930) | 16660 (36,730) | 16440 (36,240) | 16200 (35,710) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2900 (9'6") | 3010 (9'11") | 3085 (10'1") | 2900 (9'6") | 3010 (9'11") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | – | – | – | – | – |
| I. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1465 (4'10") | 1315 (4'4") | 1280 (4'2") | 1465 (4'10") | 1315 (4'4") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | – | – | – | – | – |
| J. Operating height (fully raised) | | mm (ft.in) | 5975 (19'7") | 5975 (19'7") | 5975 (19'7") | 5975 (19'7") | 5975 (19'7") |
| K. Overall length | | mm (ft.in) | 9230 (30'3") | 9070 (29'9") | 8970 (29'5") | 9230 (30'3") | 9070 (29'9") |
| Turning radius* | | mm (ft.in) | 7670 (25'2") | 7625 (25'0") | 7665 (25'2") | 7745 (25'5") | 7700 (25'3") |
| M. Digging depth | 0° | mm (ft.in) | 125 (4.9") | 155 (6.1") | 125 (4.9") | 125 (4.9") | 155 (6.1") |
| | 10° | mm (ft.in) | – | – | – | – | – |
| Breakout force | | kN<br>kgf<br>(lb) | 194<br>19790<br>(43,630) | 183<br>18670<br>(41,160) | 194<br>19790<br>(43,630) | 193<br>19690<br>(43,410) | 183<br>18670<br>(41,160) |
| Operating weight | | kg (lb) | 23060 (50,840) | 23140 (51,010) | 22970 (50,640) | 23130 (50,990) | 23210 (51,170) |

* Bucket at carry, outside corner of bucket.
** At the end of tooth or B.O.C.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Overall length | | Change in Vertical Dimensions | | Change in Reach | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in | mm | ft.in |
| 26.5 R25 XLD D1A L4 | +392 | +864 | +294 | +848 | +265 | +584 | +17 | +0.7" | – | – | +35 | +1.4" | -35 | -1.4" |
| 26.5 R25 XMINE D2 L5 | +1124 | +2,478 | +840 | +1,852 | +760 | +1,675 | +45 | +1.8" | – | – | +45 | +1.8" | -29 | -1.1" |
| Additional counterweight (rear) | +400 | +882 | +1020 | +2,249 | +890 | +1,962 | – | – | +165 | +6.5" | – | – | – | – |
| Heavy counterweight (rear) | +1085 | +2,392 | +2620 | +5,776 | +2290 | +5,049 | – | – | +165 | +6.5" | – | – | – | – |



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## WA470-6 (Germany source)

### Measured with 26.5 R25 tires

| Bucket type | | | Earthmoving | | Light material | Stockpile | | |
|---|---|---|---|---|---|---|---|---|
| | | | With teeth | With B.O.C. | With B.O.C. | W/O teeth | With teeth | With B.O.C. |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 4.2 (5.5) | 4.35 (5.7) | 6.0 (7.8) | 4.6 (6.0) | 4.6 (6.0) | 4.9 (6.4) |
| | Struck | $m^3$ ($yd^3$) | – | – | – | – | – | – |
| G. Bucket width | | mm (ft.in) | 2995 (9'10") | 3000 (9'10") | 3250 (10'8") | 2990 (9'10") | 2995 (9'10") | 3170 (10'5") |
| Bucket weight | | kg (lb) | 2187 (4,820) | 2257 (4,980) | 2305 (5,080) | 2267 (5,000) | 2422 (5,340) | 2543 (5,610) |
| Static tipping load | Straight | kg (lb) | 18285 (40,310) | 18035 (39,760) | 18490 (40,760) | 18165 (40,050) | 17950 (39,570) | 17730 (39,090) |
| | 37° full turn | kg (lb) | 16300 (35,930) | 16060 (35,410) | 16465 (36,300) | 18180 (40,080) | 15970 (35,210) | 15760 (34,740) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2885 (9'6") | 2995 (9'10") | 2935 (9'8") | 3015 (9'11") | 2835 (9'4") | 2970 (9'9") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | – | – | – | – | – | – |
| I. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1480 (4'10") | 1330 (4'4") | 1460 (4'9") | 1350 (4'5") | 1535 (5'0") | 1355 (4'5") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | – | – | – | – | – | – |
| J. Operating height (fully raised) | | mm (ft.in) | 5950 (19'6") | 5950 (19'6") | 6265 (20'7") | 5980 (19'7") | 5980 (19'7") | 5980 (19'7") |
| K. Overall length | | mm (ft.in) | 9250 (30'4") | 9090 (29'10") | 9190 (30'2") | 9065 (29'9") | 9325 (30'7") | 9130 (29'11") |
| Turning radius* | | mm (ft.in) | 7675 (25'2") | 7630 (25'0") | 7765 (25'6") | 7615 (25'0") | 7695 (25'3") | 7645 (25'1") |
| M. Digging depth | 0° | mm (ft.in) | 125 (4.9") | 155 (6.1") | 105 (4.1") | 125 (4.9") | 125 (4.9") | 155 (6.1") |
| | 10° | mm (ft.in) | – | – | – | – | – | – |
| Breakout force | | kN<br>kgf<br>(lb) | 192<br>19580<br>(43,170) | 181<br>18460<br>(40,700) | 167<br>17030<br>(37,540) | 182<br>18560<br>(40,920) | 182<br>18560<br>(40,920) | 176<br>17950<br>(39,570) |
| Operating weight | | kg (lb) | 23235 (51,220) | 23305 (51,380) | 23350 (51,480) | 23315 (51,400) | 23470 (51,740) | 23590 (52,010) |

| Bucket type | | | Heavy Duty | | Universal (High-lift) |
|---|---|---|---|---|---|
| | | | With teeth | With teeth | W/O teeth |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 4.1 (5.4) | 4.25 (5.56) | 4.1 (5.4) |
| | Struck | $m^3$ ($yd^3$) | – | – | – |
| Bucket width | | mm (ft.in) | 2995 (9'10") | 3000 (9'10") | 2990 (9'10") |
| Bucket weight | | kg (lb) | 2388 (5,260) | 2450 (5,400) | 1865 (4,110) |
| Static tipping load | Straight | kg (lb) | 18055 (39,800) | 17835 (39,320) | 16410 (36,180) |
| | 37° full turn | kg (lb) | 16060 (35,410) | 15860 (34,960) | 14520 (32,010) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2905 (9'6") | 3015 (9'11") | 3600 (11'10") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | – | – | – |
| I. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1460 (4'9") | 1310 (4'4") | 1455 (4'9") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | – | – | – |
| J. Operating height (fully raised) | | mm (ft.in) | 5950 (19'6") | 5950 (19'6") | 6485 (21'3") |
| K. Overall length | | mm (ft.in) | 9225 (30'3") | 9065 (29'9") | 9740 (31'11") |
| Turning radius* | | mm (ft.in) | 7665 (25'2") | 7625 (5'4") | 7830 (25'8") |
| M. Digging depth | 0° | mm (ft.in) | 125 (4.9") | 155 (6.1") | 265 (10.4") |
| | 10° | mm (ft.in) | – | – | – |
| Breakout force | | kN<br>kgf<br>(lb) | 195<br>19890<br>(43,850) | 184<br>18770<br>(41,380) | 189<br>19280<br>(42,500) |
| Operating weight | | kg (lb) | 23435 (51,660) | 23500 (51,810) | 24290 (53,550) |

* Bucket at carry, outside corner of bucket.
** At the end of tooth or B.O.C.

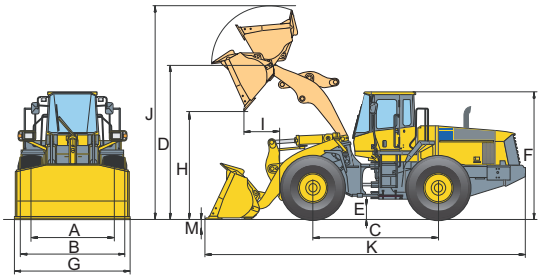


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## WA480-6 (Germany source)




Unit: mm (ft.in)

| | | |
|---|---|---|
| A | Tread | 2300 (7'7") |
| B | Width over tires | 2975 (9'9") |
| C | Wheelbase | 3450 (11'4") |
| D | Hinge pin height, max. height | 4483 (14'9") |
| E | Ground clearance | 500 (1'8") |
| F | Overall height, ROPS cab | 3465 (11'4") |
| | Turning radius at corner of tire | 7000 (23'0") |

### Measured with 26.5 R25 tires

| Bucket type | | | Universal | | | Earthmoving | |
|---|---|---|---|---|---|---|---|
| | | | W/O teeth | With teeth | With B.O.C. | With teeth | With B.O.C. |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 4.65 (6.1) | 4.65 (6.1) | 4.8 (6.3) | 4.5 (5.9) | 4.65 (6.1) |
| | Struck | $m^3$ ($yd^3$) | – | – | – | – | – |
| Bucket width | | mm (ft.in) | 3160 (10'4") | 3165 (10'5") | 3170 (10'5") | 3165 (10'5") | 3170 (10'5") |
| Bucket weight | | kg (lb) | 2105 (4,640) | 2260 (4,980) | 2345 (5,170) | 2365 (5,210) | 2445 (5,390) |
| Static tipping load | Straight | kg (lb) | 21125 (46,570) | 20915 (46,110) | 20670 (45,570) | 20705 (45,650) | 20465 (45,120) |
| | 37° full turn | kg (lb) | 18740 (41,310) | 18530 (40,850) | 18305 (40,360) | 18325 (40,440) | 18100 (39,900) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 3230 (10'7") | 3045 (10'0") | 3160 (10'4") | 3032 (9'11") | 3143 (10'4") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | – | – | – | – | – |
| I. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1360 (4'6") | 1530 (5'0") | 1375 (4'6") | 1542 (5'1") | 1389 (4'7") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | – | – | – | – | – |
| J. Operating height (fully raised) | | mm (ft.in) | 6170 (20'3") | 6170 (20'3") | 6170 (20'3") | 6110 (20'1") | 6110 (20'1") |
| K. Overall length | | mm (ft.in) | 9140 (30'0") | 9400 (30'10") | 9235 (30'4") | 9420 (30'11") | 9420 (30'11") |
| Turning radius* | | mm (ft.in) | 7675 (25'2") | 7750 (25'5") | 7710 (25'4") | 7760 (25'6") | 7715 (25'4") |
| M. Digging depth | 0° | mm (ft.in) | 130 (5.1") | 130 (5.1") | 160 (6.3") | 130 (5.1") | 160 (6.3") |
| | 10° | mm (ft.in) | – | – | – | – | – |
| Breakout force | | kN<br>kgf<br>(lb) | 244<br>24890<br>(54,870) | 244<br>24890<br>(54,870) | 232<br>23660<br>(52,160) | 240<br>24480<br>(53,970) | 227<br>23150<br>(51,050) |
| Operating weight | | kg (lb) | 25140 (55,420) | 25295 (55,770) | 25380 (55,950) | 25000 (55,120) | 25080 (55,290) |

* Bucket at carry, outside corner of bucket.
** At the end of tooth or B.O.C.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Overall length | | Change in Vertical Dimensions | | Change in Reach | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in | mm | ft.in |
| 26.5 R25 XLD D1A L4 | +392 | +864 | +280 | +617 | +250 | +551 | +17 | +0.7" | – | – | +35 | +1.4" | -35 | -1.4" |
| 26.5 R25 XMINE D2 L5 | +1124 | +2,478 | +795 | +1,753 | +720 | +1,587 | +45 | +1.8" | – | – | +45 | +1.8" | -29 | -1.1" |
| Without additional counterweight (rear) | –400 | –882 | –1020 | –2,249 | –890 | –1,962 | – | – | –165 | –6.5" | – | – | – | – |



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## WA480-6 (Germany source)

### Measured with 26.5 R25 tires

| Bucket type | | | Stockpile (With flat bottom) | | | Stockpile (With raised bottom) | | |
|---|---|---|---|---|---|---|---|---|
| | | | W/O teeth | With teeth | With B.O.C. | W/O teeth | With teeth | With B.O.C. |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 4.9 (6.4) | 4.9 (6.4) | 5.0 (6.5) | 4.9 (6.4) | 4.9 (6.4) | 5.0 (6.5) |
| | Struck | $m^3$ ($yd^3$) | – | – | – | – | – | – |
| G. Bucket width | | mm (ft.in) | 3160 (10'4") | 3165 (10'5") | 3170 (10'5") | 3160 (10'4") | 3165 (10'5") | 3170 (10'5") |
| Bucket weight | | kg (lb) | 2335 (5,150) | 2495 (5,500) | 2570 (5,670) | 2135 (4,710) | 2295 (5,060) | 2270 (5,000) |
| Static tipping load | Straight | kg (lb) | 20735 (45,710) | 20520 (45,240) | 20295 (44,740) | 20835 (45,930) | 20620 (45,460) | 20395 (44,960) |
| | 37° full turn | kg (lb) | 18365 (40,490) | 18145 (40,000) | 17935 (39,540) | 18465 (40,710) | 18245 (40,220) | 18035 (39,760) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 3165 (10'5") | 2980 (9'9") | 3090 (10'2") | 3165 (10'5") | 2980 (9'9") | 3090 (10'2") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | – | – | – | – | – | – |
| I. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1410 (4'8") | 1595 (5'3") | 1440 (4'9") | 1410 (4'8") | 1595 (5'3") | 1440 (4'9") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | – | – | – | – | – | – |
| J. Operating height (fully raised) | | mm (ft.in) | 6140 (20'2") | 6140 (20'2") | 6140 (20'2") | 6140 (20'2") | 6140 (20'2") | 6140 (20'2") |
| K. Overall length | | mm (ft.in) | 9235 (30'4") | 9495 (31'2") | 9330 (30'7") | 9235 (30'4") | 9495 (31'2") | 9330 (30'7") |
| Turning radius* | | mm (ft.in) | 7700 (25'3") | 7780 (25'6") | 7735 (25'5") | 7700 (25'3") | 7785 (25'6") | 7735 (25'5") |
| M. Digging depth | 0° | mm (ft.in) | 130 (5.1") | 130 (5.1") | 160 (6.3") | 130 (5.1") | 130 (5.1") | 160 (6.3") |
| | 10° | mm (ft.in) | – | – | – | – | – | – |
| Breakout force | | kN<br>kgf<br>(lb) | 228<br>23260<br>(51,280) | 228<br>23260<br>(51,280) | 217<br>22130<br>(48,790) | 228<br>23260<br>(51,270) | 228<br>23260<br>(51,270) | 217<br>22130<br>(48,800) |
| Operating weight | | kg (lb) | 24970 (55,050) | 25130 (55,400) | 25205 (55,570) | 25370 (55,930) | 25530 (56,280) | 25605 (56,450) |

| Bucket type | | | Universal | | |
|---|---|---|---|---|---|
| | | | W/O teeth | With teeth | With B.O.C. |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 4.65 (6.1) | 4.65 (6.1) | 4.8 (6.3) |
| | Struck | $m^3$ ($yd^3$) | – | – | – |
| G. Bucket width | | mm (ft.in) | 3160 (10'4") | 3165 (10'5") | 3170 (10'5") |
| Bucket weight | | kg (lb) | 2105 (4,640) | 2260 (4,980) | 2345 (5,170) |
| Static tipping load | Straight | kg (lb) | 21125 (46,570) | 20915 (46,110) | 20670 (45,570) |
| | 37° full turn | kg (lb) | 18740 (41310) | 18530 (40,850) | 18305 (40,360) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 3230 (10'7") | 3045 (10'0") | 3160 (10'4") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | – | – | – |
| I. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1360 (4'6") | 1530 (5'0") | 1375 (4'6") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | – | – | – |
| J. Operating height (fully raised) | | mm (ft.in) | 6170 (20'3") | 6170 (20'3") | 6170 (20'3") |
| K. Overall length | | mm (ft.in) | 9140 (30'0") | 9400 (30'10") | 9235 (30'4") |
| Turning radius* | | mm (ft.in) | 7675 (25'2") | 7750 (25'5") | 7710 (25'4") |
| M. Digging depth | 0° | mm (ft.in) | 130 (5.1") | 130 (5.1") | 160 (6.3") |
| | 10° | mm (ft.in) | – | – | – |
| Breakout force | | kN<br>kgf<br>(lb) | 244<br>24890<br>(54,870) | 244<br>24890<br>(54,870) | 232<br>23660<br>(52,170) |
| Operating weight | | kg (lb) | 25140 (55,420) | 25295 (55,770) | 25380 (55,950) |

* Bucket at carry, outside corner of bucket.
** At the end of tooth or B.O.C.

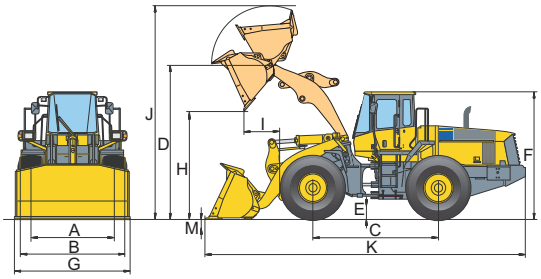


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## WA500-7 (for EU)




Unit: mm (ft.in)

| | | |
|---|---|---|
| A | Tread | 2400 (7'10") |
| B | Width over tires | 3150 (10'4") |
| C | Wheelbase | 3780 (12'5") |
| D | Hinge pin height, max. height | 4795 (15'9") |
| E | Ground clearance | 460 (1'6") |
| F | Overall height, ROPS cab | 3820 (12'6") |
| | Turning radius at corner of tire | 6870 (22'6") |

### Measured with 29.5 R25 (XLDD1A) tires

| Bucket type | | | Universal | | Rock Straight edge | | Rock Spade nose | |
|---|---|---|---|---|---|---|---|---|
| | | | with Teeth | with B.O.C. | without Teeth | with B.O.C. | without Teeth | with B.O.C. |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 5.3 (6.9) | 5.6 (7.3) | 5.3 (6.9) | 5.6 (7.3) | 5.2 (6.8) | 5.6 (7.3) |
| | Struck | $m^3$ ($yd^3$) | – | – | – | – | – | – |
| G. Bucket width | | mm (ft.in) | 3430 (11'3") | 3440 (11'3") | 3430 (11'3") | 3440 (11'3") | 3430 (11'3") | 3440 (11'3") |
| Bucket weight | | kg (lb) | 2875 (6,338) | 2915 (6,426) | 3015 (6,647) | 3060 (6,746) | 3240 (7,143) | 3280 (7,231) |
| Static tipping load | Straight | kg (lb) | 26760 (59,000) | 26530 (58,490) | 26695 (58,850) | 26445 (58,300) | 26125 (57,600) | 25965 (57,240) |
| | Full turn (40°) | kg (lb) | 22880 (50,440) | 22680 (50,000) | 22810 (50,290) | 22590 (49,800) | 22320 (49,210) | 22135 (48,800) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 3265 (10'9") | 3325 (10'11") | 3265 (10'9") | 3265 (10'9") | 3265 (10'9") | 3265 (10'9") |
| I. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1545 (5'1") | 1360 (4'6") | 1545 (5'1") | 1360 (4'6") | 1545 (5'1") | 1585 (5'2") |
| J. Operating height (fully raised) | | mm (ft.in) | 6535 (21'5") | 6535 (21'5") | 6715 (22'0") | 6715 (22'0") | 6715 (22'0") | 6715 (22'0") |
| K. Overall length, bucket on ground | | mm (ft.in) | 9890 (32'5") | 9680 (31'9") | 9890 (32'5") | 9680 (31'9") | 9900 (32'6") | 10000 (32'10") |
| Turning radius* | | mm (ft.in) | 7660 (25'2") | 7600 (24'11") | 7660 (25'2") | 7600 (24'11") | 7660 (25'2") | 7700 (25'3") |
| Digging depth | 0° | mm (ft.in) | 95 (3.7") | 125 (4.9") | 95 (3.7") | 125 (4.9") | 120 (4.7") | 125 (4.9") |
| | 10° | mm (ft.in) | – | – | – | – | – | – |
| Breakout force | | kN<br>kgf<br>(lb) | 287<br>29265<br>(64,520) | 273<br>27840<br>(61,380) | 287<br>29265<br>(64,520) | 273<br>27840<br>(61,380) | 235<br>23960<br>(52,820) | 225<br>22940<br>(50,570) |
| Operating weight | | kg (lb) | 35095 (77,370) | 35335 (77,900) | 35435 (78,120) | 35480 (78,220) | 35660 (78,620) | 35700 (78,700) |

* Bucket at carry, outside corner of bucket.
** At the end of B.O.C. or teeth

### Weight and Dimension Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width over Tire | | Change in Reach at 45° | | Change in Dump Height at 45° | | Overall Height | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in | mm | ft.in |
| XHA L3 tires | -500 | -1,102 | -360 | -794 | -315 | -694 | -20 | -0.8" | +20 | +0.8" | -20 | -0.8" | -20 | -0.8" |
| XMINE L5 tiers | +635 | +1,400 | +450 | +992 | +400 | +882 | +35 | +1.4" | +5 | +0.2" | +10 | +0.4" | +20 | +0.8" |

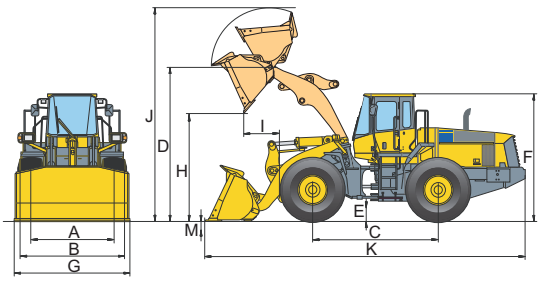


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## WA500-7 (for UK)




Unit: mm (ft.in)

| | | |
|---|---|---|
| A | Tread | 2400 (7'10") |
| B | Width over tires | 3150 (10'4") |
| C | Wheelbase | 3780 (12'5") |
| D | Hinge pin height, max. height | 4795 (15'9") |
| E | Ground clearance | 460 (1'6") |
| F | Overall height, ROPS cab | 3820 (12'6") |
| | Turning radius at corner of tire | 6870 (22'6") |

### Measured with 29.5 R25 (XLDD1A) tires

| Bucket type | | | Stockpile | | | | |
|---|---|---|---|---|---|---|---|
| | | | w/o teeth | with teeth | with B.O.C. | w/o teeth | with B.O.C. |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 5.6 (7.3) | 5.6 (7.3) | 5.9 (7.7) | 6.0 (7.8) | 6.3 (8.2) |
| | Struck | $m^3$ ($yd^3$) | – | – | – | – | – |
| Bucket width | | mm (ft.in) | 3430 (11'3") | 3430 (11'3") | 3440 (11'3") | 3430 (11'3") | 3440 (11'3") |
| Bucket weight | | kg (lb) | 2765 (6,096) | 2975 (6,559) | 3025 (6,669) | 2870 (6,327) | 3125 (6,889) |
| Static tipping load | Straight | kg (lb) | 24805 (54,690) | 24520 (54,060) | 26270 (57,910) | 24840 (54,760) | 26060 (57,450) |
| | Full turn (40°) | kg (lb) | 21220 (46,780) | 20935 (46,150) | 22440 (49,470) | 21230 (46,800) | 22245 (49,040) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 3455 (11'4") | 3235 (10'7") | 3280 (10'9") | 3340 (11'0") | 3225 (10'7") |
| I. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1360 (4'6") | 1580 (5'2") | 1395 (4'7") | 1415 (4'8") | 1445 (4'9") |
| J. Operating height (fully raised) | | mm (ft.in) | 6605 (21'8") | 6605 (21'8") | 6605 (21'8") | 6685 (21'11") | 6685 (21'11") |
| K. Overall length, bucket on ground | | mm (ft.in) | 9630 (31'7") | 9940 (32'7") | 9730 (31'11") | 9705 (31'10") | 9805 (32'2") |
| Turning radius* | | mm (ft.in) | 7590 (24'11") | 7680 (25'2") | 7620 (25'0") | 7610 (25'0") | 7640 (25'1") |
| Digging depth | 0° | mm (ft.in) | 95 (3.7") | 95 (3.7") | 95 (3.7") | 95 (3.7") | 125 (4.9") |
| | 10° | mm (ft.in) | – | – | – | – | – |
| Breakout force | | kN<br>kgf<br>(lb) | 277<br>28,245<br>(62,270) | 277<br>28,245<br>(62,270) | 264<br>26920<br>(59,350) | 264<br>26,920<br>(59,350) | 252<br>25700<br>(56,660) |
| Operating weight | | kg (lb) | 34985<br>(77,130) | 35195<br>(77,590) | 35440<br>(78,130) | 35090<br>(77,360) | 35545<br>(78,360) |

| Bucket type | | | Universal (High lift) | |
|---|---|---|---|---|
| | | | with teeth | with B.O.C. |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 4.5 (5.9) | 4.7 (6.1) |
| | Struck | $m^3$ ($yd^3$) | – | – |
| Bucket width | | mm (ft.in) | 3430 (11'3") | 3440 (11'3") |
| Bucket weight | | kg (lb) | 2570 (6,338) | 2620 (6,426) |
| Static tipping load | Straight | kg (lb) | 21190 (46,720) | 21065 (46,440) |
| | Full turn (40°) | kg (lb) | 18030 (39,750) | 17915 (39,500) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 3800 (12'6") | 3945 (12'11") |
| I. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1545 (5'1") | 1355 (4'5") |
| J. Operating height (fully raised) | | mm (ft.in) | 6795 (22'4") | 6795 (22'4") |
| K. Overall length, bucket on ground | | mm (ft.in) | 10205 (33'6") | 10190 (33'5") |
| Turning radius* | | mm (ft.in) | 7840 (25'9") | 7780 (25'6") |
| Digging depth | 0° | mm (ft.in) | 170 (6.7") | 200 (7.9") |
| | 10° | mm (ft.in) | – | – |
| Breakout force | | kN<br>kgf<br>(lb) | 320<br>32630<br>(71,940) | 303<br>30900<br>(68,120) |
| Operating weight | | kg (lb) | 35170<br>(77,540) | 35215<br>(77,630) |

* Bucket at carry, outside corner of bucket.
** At the end of B.O.C. or teeth

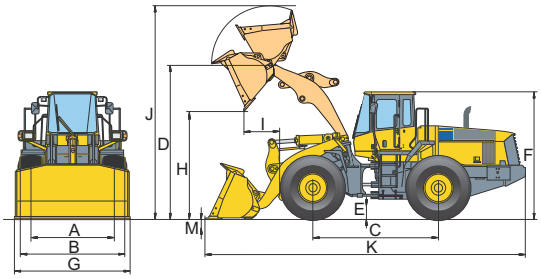


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## WA500-6 (Germany source)




Unit: mm (ft.in)

| | | |
|---|---|---|
| A | Tread | 2400 (7'10") |
| B | Width over tires | 3150 (10'4") |
| C | Wheelbase | 3780 (12'5") |
| D | Hinge pin height, max. height | 4770 (15'8") |
| E | Ground clearance | 460 (1'6") |
| F | Overall height, ROPS cab | 3795 (12'5") |
| | Turning radius at corner of tire | 6870 (22'6") |

### Measured with 29.5 R25 tires

| Bucket type | | | Universal | | | Rock Straight edge | |
|---|---|---|---|---|---|---|---|
| | | | W/O teeth | With teeth | With B.O.C. | With teeth | With B.O.C. |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 5.3 (5'9") | 5.3 (6.9) | 5.6 (7.3) | 5.2 (6.8) | 5.5 (7.2) |
| | Struck | $m^3$ ($yd^3$) | – | – | – | – | – |
| G. Bucket width | | mm (ft.in) | 3430 (11'3") | 3430 (11'3") | 3440 (11'3") | 3430 (11'3") | 3440 (11'3") |
| Bucket weight | | kg (lb) | 2660 (5,860) | 2875 (6,340) | 2915 (6,430) | 3015 (6,650) | 3060 (6,750) |
| Static tipping load | Straight | kg (lb) | 24000 (52,910) | 23700 (52,250) | 23480 (51,760) | 23645 (52,130) | 23400 (51,590) |
| | 40° full turn | kg (lb) | 20930 (46,140) | 20640 (45,500) | 20440 (45,060) | 20565 (45,340) | 20350 (44,860) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 3460 (11'4") | 3240 (10'8") | 3390 (11'1") | 3240 (10'8") | 3390 (11'1") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | – | – | – | – | – |
| I. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1350 (4'5") | 1570 (5'2") | 1385 (4'7") | 1570 (5'2") | 1385 (4'7") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | – | – | – | – | – |
| J. Operating height (fully raised) | | mm (ft.in) | 6510 (21'4") | 6510 (21'4") | 6510 (21'4") | 6690 (21'11") | 6690 (21'11") |
| K. Overall length | | mm (ft.in) | 9580 (31'5") | 9890 (32'5") | 9680 (31'9") | 9890 (32'5") | 9680 (31'9") |
| Turning radius | | mm (ft.in) | 7570 (24'10") | 7660 (25'2") | 7600 (24'11") | 7660 (25'2") | 7600 (24'11") |
| M. Digging depth | 0° | mm (ft.in) | 120 (4.7") | 120 (4.7") | 150 (5.9") | 120 (4.7") | 150 (5.9") |
| | 10° | mm (ft.in) | – | – | – | – | – |
| Breakout force | | kN<br>kgf<br>(lb) | 274<br>27950<br>(61,620) | 272<br>27740<br>(61,160) | 259<br>26420<br>(58,250) | 271<br>27640<br>(60,940) | 258<br>26320<br>(58,030) |
| Operating weight | | kg (lb) | 31700 (69,890) | 31915 (70,360) | 31955 (70,450) | 32055 (70,670) | 32100 (70,770) |

* Bucket at carry, outside corner of bucket.
** At the end of tooth or B.O.C.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Overall length | | Change in Vertical Dimensions | | Change in Reach | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in | mm | ft.in |
| 29.5 R25 XLD D1A-L4 | +500 | +1,102 | +360 | +794 | +315 | +694 | +20 | +0.8" | – | – | +20 | +0.8" | -25 | -1.0" |
| 29.5 R25 XMINE-L5 | +1140 | +2,513 | +810 | +1,786 | +710 | +1,565 | +55 | +2.2" | – | – | +30 | +1.2" | -20 | -0.8" |
| Additional counterweight | +900 | +1,984 | +1880 | +4,145 | +1580 | +3,483 | – | – | – | – | – | – | – | – |



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## WA500-6 (Germany source)

### Measured with 29.5 R25 tires

| Bucket type | | | Rock Spade nose | | Stockpile | | |
|---|---|---|---|---|---|---|---|
| | | | With teeth | With B.O.C. | W/O teeth | With teeth | With B.O.C. |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 5.2 (6.8) | 5.5 (7.2) | 5.6 (7.3) | 5.6 (7.3) | 5.9 (7.7) |
| | Struck | $m^3$ ($yd^3$) | – | – | – | – | – |
| G. Bucket width | | mm (ft.in) | 3430 (11'3") | 3440 (11'3") | 3430 (11'3") | 3430 (11'3") | 3440 (11'3") |
| Bucket weight | | kg (lb) | 3240 (7,140) | 3280 (7,230) | 2765 (6,100) | 2975 (6,560) | 3020 (6,660) |
| Static tipping load | Straight | kg (lb) | 23080 (50,880) | 22930 (50,550) | 23755 (52,370) | 23470 (51,740) | 23245 (51,250) |
| | 40° full turn | kg (lb) | 20040 (44,180) | 19900 (43,870) | 20700 (45,640) | 20420 (45,020) | 20215 (44,570) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 4770 (15'8") | 4770 (15'8") | 4770 (15'8") | 4770 (15'8") | 4770 (15'8") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | – | – | – | – | – |
| I. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1570 (5'2") | 1610 (5'3") | 1385 (4'7") | 1605 (5'3") | 1420 (4'8") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | – | – | – | – | – |
| J. Operating height (fully raised) | | mm (ft.in) | 6690 (21'11") | 6690 (21'11") | 6590 (21'7") | 6590 (21'7") | 6590 (21'7") |
| K. Overall length | | mm (ft.in) | 9900 (32'6") | 10000 (32'10") | 9630 (31'7") | 9940 (32'7") | 9730 (31'11") |
| Turning radius* | | mm (ft.in) | 7660 (25'2") | 7700 (25'3") | 7590 (24'11") | 7680 (25'2") | 7620 (25'0") |
| M. Digging depth | 0° | mm (ft.in) | 120 (4.7") | 150 (5.9") | 120 (4.7") | 120 (4.7") | 150 (5.9") |
| | 10° | mm (ft.in) | – | – | – | – | – |
| Breakout force | | kN<br>kgf<br>(lb) | 220<br>22440<br>(49,470) | 210<br>21420<br>(47,220) | 264<br>26930<br>(59,370) | 262<br>76720<br>(58,910) | 249<br>25400<br>(56,000) |
| Operating weight | | kg (lb) | 32280 (71,160) | 32320 (71,250) | 31800 (70,110) | 32010 (70,570) | 32055 (70,670) |

| Bucket type | | | Stockpile | | Universal (High-lift) | |
|---|---|---|---|---|---|---|
| | | | W/O teeth | With B.O.C. | With teeth | With B.O.C. |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 6.0 (7.85) | 6.3 (8.24) | 4.5 (5.9) | 4.7 (6.15) |
| | Struck | $m^3$ ($yd^3$) | – | – | – | – |
| G. Bucket width | | mm (ft.in) | 3430 (11'3") | 3440 (11'3") | 3430 (11'3") | 3440 (11'3") |
| Bucket weight | | kg (lb) | 2870 (6,330) | 3125 (6,890) | 2570 (5,670) | 2620 (5,780) |
| Static tipping load | Straight | kg (lb) | 23540 (51,900) | 23015 (50,740) | 20200 (44,530) | 20080 (44,270) |
| | 40° full turn | kg (lb) | 20500 (45,190) | 20000 (44,090) | 17510 (38,600) | 17400 (38,360) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 3375 (11'1") | 3300 (10'10") | 3775 (12'5") | 3920 (12'10") |
| Reach at 2130 mm (7') clearance and 45° dump angle | | mm (ft.in) | – | – | – | – |
| I. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1440 (4'9") | 1470 (4'10") | 1570 (5'2") | 1380 (4'6") |
| Reach with arm horizontal and bucket level | | mm (ft.in) | – | – | – | – |
| J. Operating height (fully raised) | | mm (ft.in) | 6660 (21'10") | 6660 (21'10") | 6770 (22'3") | 6770 (22'3") |
| K. Overall length | | mm (ft.in) | 9705 (31'10") | 9805 (32'2") | 10205 (33'6") | 10190 (33'5") |
| Turning radius* | | mm (ft.in) | 7610 (25'0") | 7640 (25'0") | 7840 (25'9") | 7780 (25'6") |
| M. Digging depth | 0° | mm (ft.in) | 120 (4.7") | 150 (5.9") | 195 (7.7") | 225 (8.9") |
| | 10° | mm (ft.in) | – | – | – | – |
| Breakout force | | kN<br>kgf<br>(lb) | 250<br>25500<br>(56,220) | 237<br>24170<br>(53,290) | 307<br>31310<br>(69,030) | 290<br>29580<br>(65,210) |
| Operating weight | | kg (lb) | 31910 (70,350) | 31165 (68,710) | 31760 (70,020) | 31810 (70,130) |

* Bucket at carry, outside corner of bucket.
** At the end of tooth or B.O.C.

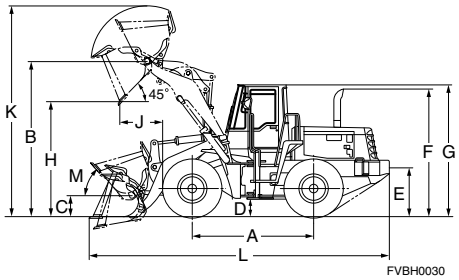


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## WA320-5 (China source)




Unit: mm

| | | |
|---|---|---|
| | Tread | 2050 |
| | Width over tires | 2585 |
| A | Wheelbase | 3030 |
| B | Hinge pin height, max. height | 4235 |
| C | Hinge pin height, carry position | |
| D | Ground clearance | 425 |
| E | Hitch height | |
| F | Overall height, top of the stack | 2775 |
| G | Overall height, ROPS cab | 3200 |
| M | Tilt back angle | 49° |

### Measured with 20.5-25-16PR (L3) tires

| Bucket type | | | Standard Boom | | Semi High Lift Boom | | High Lift Boom |
|---|---|---|---|---|---|---|---|
| | | | Generarl Purpose Buckets | | Excavating Buckets | | Lighit Material Bucket |
| | | | Teeth | Bolt-on Cutting Edge | Teeth + Segment | Bolt-on Cutting Edge | Bolt-on Cutting Edge |
| Bucket capacity | Heaped | $m^3$ | 2.6 | 2.8 | 2.7 | 2.7 | 3.2 |
| | Struck | $m^3$ | 2.2 | 2.4 | 2.3 | 2.3 | 2.8 |
| Bucket width | | mm | 2760 | 2740 | 2760 | 2740 | 2740 |
| Bucket weight | | kg | – | – | – | – | – |
| Static tipping load | Straight | kg | 11490 | 11350 | 9940 | 9965 | 9030 |
| | Full turn (40°) | kg | 10,110 | 9,965 | 8695 | 8715 | 7935 |
| H. Dumping clearance, max. height and 45° dump angle** | | mm | 2755 | 2850 | 3100 | 3200 | 3355 |
| J. Reach at max. height and 45° dump angle** | | mm | 1110 | 1030 | 1100 | 1020 | 1185 |
| K. Operating height (fully raised) | | mm | 5320 | 5320 | 5615 | 5615 | 5415 |
| L. Overall length, bucket on ground | | mm | 7580 | 7455 | 7875 | 7750 | 7645 |
| Turning radius* | | mm | – | – | 6295 | – | – |
| Digging depth | 0° | mm | 46 | 32 | 46 | 32 | 85 |
| | 10° | mm | 330 | 295 | 325 | 290 | 322 |
| Breakout force | | kN<br>kgf | 126<br>12850 | 126<br>12850 | 136.5<br>13920 | 136.5<br>13920 | 96.6<br>9850 |
| Operating weight | | kg | 13480 | 13590 | 13995 | 13980 | 14530 |

* Bucket at carry, outside corner of bucket.
** At the end of B.O.C. or teeth

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.



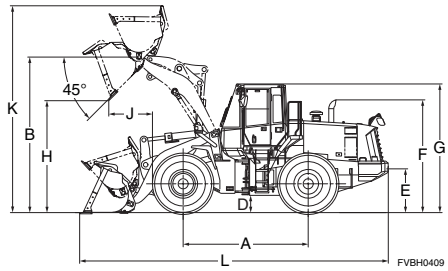
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## WA380-6 (China source)

Unit: mm




| | | |
|---|---|---|
| | Tread | 2160 |
| | Width over tires | 2780 |
| A | Wheelbase | 3300 |
| B | Hinge pin height, max. height | 4095 |
| C | Hinge pin height, carry position | 520 |
| D | Ground clearance | 455 |
| E | Hitch height | 1150 |
| F | Overall height, top of the stack | 2975 |
| G | Overall height, ROPS cab | 3395 |
| M | Tilt back angle | 50° |

### Measured with 23.5-25-16PR (L3) tires

| Bucket type | | | General Purpose Buckets | | | Excavating Buckets | | | Light Material Bucket |
|---|---|---|---|---|---|---|---|---|---|
| | | | Bolt-on Cutting Edge | Teeth and Segment | Teeth | Bolt-on Cutting Edge | Teeth and Segment | Teeth | Bolt-on Cutting Edge |
| Bucket capacity | Heaped | $m^3$ | 3.3 | 3.3 | 3.1 | 2.9 | 2.9 | 2.7 | 4.0 |
| | Struck | $m^3$ | 2.9 | 2.9 | 2.7 | 2.4 | 2.4 | 2.3 | 3.4 |
| Bucket width | | mm | 2905 | 2915 | 2915 | 2905 | 2915 | 2915 | 2905 |
| Bucket weight | | kg | 1620 | 1665 | 1540 | 1720 | 1765 | 1645 | 1835 |
| Static tipping load | Straight | kg | 14790 | 14630 | 14940 | 14710 | 14670 | 14850 | 14450 |
| | Full turn (40°) | kg | 13030 | 12990 | 13170 | 12950 | 12900 | 13080 | 12700 |
| H. Dumping clearance, max. height and 45° dump angle** | | mm | 2945 | 2820 | 2820 | 3045 | 2920 | 2920 | 2855 |
| J. Reach at max. height and 45° dump angle** | | mm | 1150 | 1245 | 1245 | 1050 | 1150 | 1150 | 1240 |
| K. Operating height (fully raised) | | mm | 5590 | 5590 | 5590 | 5485 | 5485 | 5485 | 5735 |
| L. Overall length, bucket on ground | | mm | 8140 | 8300 | 8300 | 8000 | 8160 | 8160 | 8265 |
| Turning radius* | | mm | 7220 | 7270 | 7270 | 7150 | 7230 | 7230 | 7250 |
| Digging depth | 0° | mm | 60 | 75 | 75 | 60 | 75 | 75 | 60 |
| | 10° | mm | 290 | 335 | 335 | 265 | 310 | 310 | 315 |
| Breakout force | | kN<br>kgf | 158<br>16100 | 162<br>16500 | 170<br>17400 | 178<br>18100 | 183<br>18600 | 193<br>19700 | 144<br>14700 |
| Operating weight | | kg | 17570 | 17610 | 17500 | 17710 | 17750 | 17640 | 17830 |

* Bucket at carry, outside corner of bucket.
** At the end of B.O.C. or teeth

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

### Weight Changes

| | Change in Operating Weight | Change in Tipping Load | | Width Over Tire | Ground Clearance | Change in Vertical Dimensions |
|---|---|---|---|---|---|---|
| | | Straight | Full Turn | | | |
| | kg | kg | kg | mm | mm | mm |
| 20.5-25-16PR (L3) | -970 | -770 | -680 | 2695 | 390 | -65 |
| Install additional counterweight | +340 | +900 | +755 | | | |



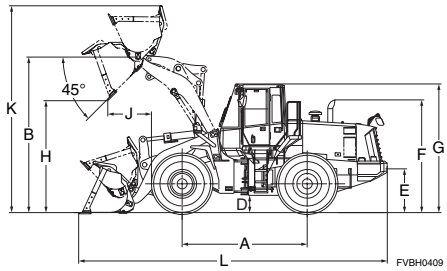
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## WA380Z-6 (China source)

Unit: mm




| | | |
|---|---|---|
| | Tread | 2160 |
| | Width over tires | 2780 |
| A | Wheelbase | 3300 |
| B | Hinge pin height, max. height | 4095 |
| C | Hinge pin height, carry position | 520 |
| D | Ground clearance | 455 |
| E | Hitch height | 1150 |
| F | Overall height, top of the stack | 2975 |
| G | Overall height, ROPS cab | 3395 |
| M | Tilt back angle | 50° |

### Measured with 23.5-25-16PR (L3) tires

| Bucket type | | | Standard Boom | | | Semi High Lift Boom | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | General Purpose Buckets | | | Excavating Buckets | | | Light Material Buckets | |
| | | | Teeth | Teeth and Segment | Bolt-on Cutting Edge | Teeth | Teeth and Segment | Bolt-on Cutting Edge | Teeth | Bolt-on Cutting Edge |
| Bucket capacity | Heaped | $m^3$ | 3.1 | 3.3 | 3.3 | 2.8 | 3.0 | 3.0 | 3.6 | 3.8 |
| | Struck | $m^3$ | 2.7 | 2.9 | 2.9 | 2.4 | 2.6 | 2.6 | 3.2 | 3.4 |
| Bucket width | | mm | 2915 | 2915 | 2905 | 2915 | 2915 | 2905 | 2915 | 2905 |
| Bucket weight | | kg | 1540 | 1665 | 1620 | 1480 | 1585 | 1560 | 1730 | 1810 |
| Static tipping load | Straight | kg | 14480 | 14290 | 14320 | 13130 | 12950 | 12970 | 12790 | 12650 |
| | 40° full turn | kg | 12540 | 12370 | 12400 | 11200 | 11060 | 11070 | 10920 | 10790 |
| H. Dumping clearance, max. height and 45° dump angle** | | mm | 2820 | 2820 | 2945 | 3100 | 3100 | 3225 | 2925 | 3045 |
| J. Reach at max. height and 45° dump angle** | | mm | 1245 | 1245 | 1150 | 1170 | 1170 | 1075 | 1350 | 1250 |
| K. Operating height (fully raised) | | mm | 5600 | 5600 | 5600 | 5680 | 5680 | 5680 | 5910 | 5910 |
| L. Overall length, bucket on ground | | mm | 8300 | 8300 | 8140 | 8360 | 8360 | 8205 | 8610 | 8455 |
| Turning radius* | | mm | 7265 | 7265 | 7215 | 7315 | 7315 | 7245 | 7390 | 7320 |
| M. Digging depth | 0° | mm | 75 | 75 | 60 | 75 | 75 | 60 | 75 | 60 |
| | 10° | mm | 335 | 335 | 290 | 315 | 315 | 270 | 360 | 315 |
| Breakout force | | kN<br>kgf | 171<br>17410 | 162<br>16500 | 158<br>16100 | 187<br>19100 | 177<br>18070 | 172<br>17580 | 151<br>15430 | 141<br>14430 |
| Operating weight | | kg | 16900 | 17010 | 16980 | 17010 | 17120 | 17090 | 17260 | 17340 |

| Bucket type | | | High Lift Boom | | | |
|---|---|---|---|---|---|---|
| | | | Excavating Buckets | | Light Material Buckets | |
| | | | Teeth | Bolt-on Cutting Edge | Teeth | Bolt-on Cutting Edge |
| Bucket capacity | Heaped | $m^3$ | 2.7 | 2.9 | 3.4 | 3.6 |
| | Struck | $m^3$ | 2.3 | 2.5 | 3.0 | 3.2 |
| Bucket width | | mm | 2915 | 2905 | 2915 | 2905 |
| Bucket weight | | kg | 1475 | 1555 | 1650 | 1730 |
| Static tipping load | Straight | kg | 11590 | 11450 | 11280 | 11150 |
| | 40° full turn | kg | 9890 | 9770 | 9630 | 9520 |
| H. Dumping clearance, max. height and 45° dump angle** | | mm | 3450 | 3575 | 3305 | 3430 |
| J. Reach at max. height and 45° dump angle** | | mm | 1290 | 1190 | 1435 | 1335 |
| K. Operating height (fully raised) | | mm | 5985 | 5985 | 6205 | 6205 |
| L. Overall length, bucket on ground | | mm | 8915 | 8760 | 9120 | 8965 |
| Turning radius* | | mm | 7450 | 7375 | 7565 | 7485 |
| M. Digging depth | 0° | mm | 130 | 115 | 130 | 115 |
| | 10° | mm | 365 | 320 | 405 | 360 |
| Breakout force | | kN<br>kgf | 184<br>18730 | 169<br>17200 | 153<br>15630 | 143<br>14550 |
| Operating weight | | kg | 17520 | 17600 | 17700 | 17780 |

* Bucket at carry, outside corner of bucket.
** At the end of B.O.C. or teeth
- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.



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**Weight Changes**

| | Change in Operating Weight | Change in Tipping Load | | Width Over Tire | Ground Clearance | Change in Vertical Dimensions |
|---|---|---|---|---|---|---|
| | | Straight | Full Turn | | | |
| | kg | kg | kg | mm | mm | mm |
| 20.5-25-16PR (L3) | -970 | -770 | -680 | 2695 | 390 | -65 |
| Install additional counterweight | +340 | +900 | +755 | | | |



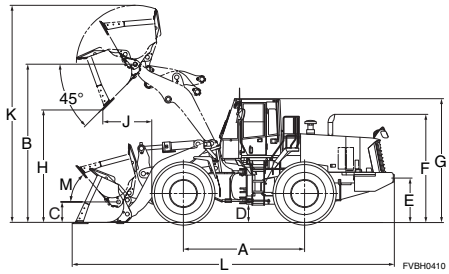
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## WA470-6 (China source)

Unit: mm




| | | |
|---|---|---|
| | Tread | 2300 |
| | Width over tires | 3010 |
| A | Wheelbase | 3450 |
| B | Hinge pin height, max. height | 4360 |
| C | Hinge pin height, carry position | 585 |
| D | Ground clearance | 520 |
| E | Hitch height | 1240 |
| F | Overall height, top of the stack | 3080 |
| G | Overall height, ROPS cab | 3500 |
| M | Tilt back angle | 50° |

### Measured with 26.5-25-20PR (L3) tires

| Bucket type | | | General Purpose Buckets | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Stockpile Buckets | | | Excavating Buckets | | |
| | | | Bolt-on Cutting Edge | Teeth + Segment | Teeth | Bolt-on Cutting Edge | Teeth + Segment | Teeth |
| Bucket capacity | Heaped | $m^3$ | 4.2 | 4.2 | 3.9 | 3.8 | 3.8 | 3.6 |
| | Struck | $m^3$ | 3.5 | 3.5 | 3.3 | 3.2 | 3.2 | 3.1 |
| Bucket width | | mm | 3170 | 3190 | 3190 | 3170 | 3190 | 3190 |
| Bucket weight | | kg | 2050 | 2100 | 1970 | 2150 | 2200 | 2070 |
| Static tipping load | Straight | kg | 18330 | 18280 | 18410 | 17220 | 17170 | 17300 |
| | 40° full turn | kg | 15745 | 15695 | 14870 | 14990 | 14945 | 15055 |
| H. Dumping clearance, max. height and 45° dump angle** | | mm | 3185 | 3065 | 3065 | 3235 | 3110 | 3110 |
| J. Reach at max. height and 45° dump angle** | | mm | 1235 | 1330 | 1330 | 1185 | 1285 | 1285 |
| K. Operating height (fully raised) | | mm | 5960 | 5960 | 5960 | 5875 | 5875 | 5875 |
| L. Overall length, bucket on ground | | mm | 8825 | 8980 | 8980 | 8755 | 8910 | 8910 |
| Turning radius* | | mm | 7640 | 7705 | 7705 | 7635 | 7685 | 7685 |
| Digging depth | 0° | mm | 80 | 100 | 100 | 80 | 100 | 100 |
| | 10° | mm | 315 | 360 | 360 | 305 | 350 | 350 |
| Breakout force | | kN<br>kgf | 192<br>19600 | 192<br>19600 | 207<br>21120 | 203<br>20710 | 209<br>21330 | 220<br>22450 |
| Operating weight | | kg | 23020 | 23070 | 22940 | 23120 | 23170 | 23040 |

| Bucket type | | | Rock Bucket | Loose Material Bucket | Loose Material Bucket |
|---|---|---|---|---|---|
| | | | Teeth | Bolt-on Cutting Edge | Bolt-on Cutting Edge |
| Bucket capacity | Heaped | $m^3$ | 3.6 | 4.6 | 5.2 |
| | Struck | $m^3$ | 3.1 | 3.9 | 4.5 |
| Bucket width | | mm | 3170 | 3170 | 3170 |
| Bucket weight | | kg | 2165 | 2110 | 2185 |
| Static tipping load | Straight | kg | 17205 | 17260 | 17185 |
| | 40° full turn | kg | 14975 | 15020 | 14955 |
| H. Dumping clearance, max. height and 45° dump angle** | | mm | 2990 | 3060 | 3040 |
| J. Reach at max. height and 45° dump angle** | | mm | 1410 | 1365 | 1385 |
| K. Operating height (fully raised) | | mm | 5875 | 5960 | 6185 |
| L. Overall length, bucket on ground | | mm | 9085 | 8940 | 9035 |
| Turning radius* | | mm | 7655 | 7700 | 7705 |
| Digging depth | 0° | mm | 100 | 80 | 80 |
| | 10° | mm | 380 | 335 | 350 |
| Breakout force | | kN<br>kgf | 190<br>19390 | 168<br>17140 | 165<br>16840 |
| Operating weight | | kg | 23135 | 23080 | 23155 |

* Bucket at carry, outside corner of bucket.
** At the end of B.O.C. or teeth
- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

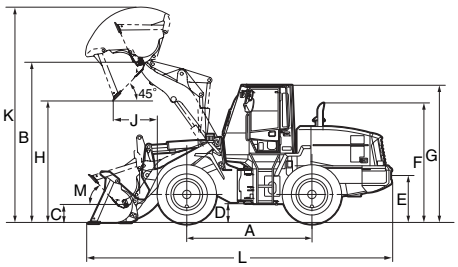


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## WA200-5 (Brazil source)




Unit: mm (ft.in)

| | | 17.5-25 tires | 20.5-25 tires |
|---|---|---|---|
| | Tread | 1930 (6'4") | 1930 (6'4") |
| | Width over tires | 2375 (7'10") | 2470 (8'1") |
| A | Wheelbase | 2840 (9'4") | 2840 (9'4") |
| B | Hinge pin height, max. height | 3635 (11'11") | 3705 (12'2") |
| C | Hinge pin height carry position | 410 (1'4") | 480 (1'7") |
| D | Ground clearance | 425 (1'5") | 495 (1'8") |
| E | Hitch height | 870 (2'10") | 940 (3'1") |
| F | Overall height, top of the stack | 3150 (10'3") | 3220 (10'7") |
| G | Overall height, ROPS cab | 3110 (10'2") | 3180 (10'5") |
| M | Tilt back angle | 49° | 49° |

### Measured with 17.5-25-12PR (L2) tires

| Bucket type | | | Stockpile Bucket | Excavating Bucket | Light Material Bucket |
|---|---|---|---|---|---|
| | | | Bolt-on Cutting Edge | Bolt-on Cutting Edge | Bolt-on Cutting Edge |
| Bucket Capacity | Heaped | $m^3$ ($yd^3$) | 2.0 (2.6) | 1.7 (2.2) | 2.4 (3.1) |
| | Struck | $m^3$ ($yd^3$) | 1.7 (2.2) | 1.4 (1.8) | 2.0 (2.6) |
| Bucket width | | mm (ft.in) | 2535 (8'4") | 2535 (8'4") | 2550 (8'4") |
| Bucket weight | | kg (lb) | 770 (1,698) | 740 (1,631) | 875 (1,929) |
| Static tipping load | Straight | kg (lb) | 8990 (19,820) | 9050 (19,950) | 8840 (19,490) |
| | Full turn (40°) | kg (lb) | 7810 (17,220) | 7870 (17,350) | 13055 (16,940) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2740 (9'0") | 2770 (9'1") | 2655 (8'9") |
| Reach at 2130 mm (7') and 45° dump angle** | | mm (ft.in) | 1490 (4'11") | 1520 (5'0") | 1530 (5'0") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1015 (3'4") | 1045 (3'5") | 1105 (3'8") |
| Reach with arm horizontal and bucket level** | | mm (ft.in) | 2240 (7'4") | 2210 (7'3") | 2365 (7'9") |
| K. Operating height (fully raised) | | mm (ft.in) | 5005 (16'5") | 4975 (16'4") | 4995 (16'5") |
| L. Overall length, bucket on ground | | mm (ft.in) | 6920 (22'8") | 6850 (22'6") | 7050 (23'2") |
| Turning radius* | | mm (ft.in) | 5650 (18'6") | 5620 (18'5") | 5715 (18'9") |
| Digging depth | 0° | mm (ft.in) | 140 (5.5") | 120 (4.7") | 165 (6.5") |
| | 10° | mm (ft.in) | 325 (1'1") | 305 (1'0") | 350 (1'2") |
| Breakout force | | kN<br>kgf (lb) | 93.2<br>9500 (20,940) | 102.5<br>10450 (23,040) | 81.4<br>8300 (18,300) |
| Operating weight | | kg (lb) | 10300 (22,710) | 10200 (22,490) | 10330 (22,770) |

* Bucket at carry, outside corner of bucket.
** At the end of B.O.C. or teeth

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Graund clearance | | Change in Vertical Dimensions | | Change in Reach | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in | mm | ft.in |
| 20.5-25-12PR (L3) | +665 | +1,466 | +355 | +783 | +320 | +705 | 2470 | 8'1" | 495 | 1'8" | +70 | +2.8" | +75 | +3.5" |
| 17.5-25-12PR (L3) | +105 | +231 | +80 | +176 | +70 | +154 | 2375 | 7'10" | 425 | 1'5" | 0 | 0 | 0 | 0 |

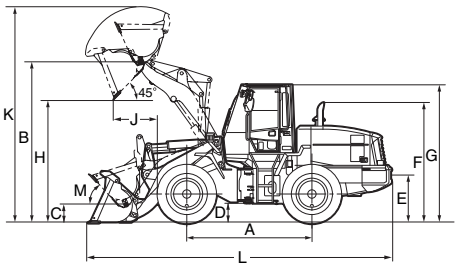


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## WA320-5 (Brazil source)




Unit: mm (ft.in)

| | | |
|---|---|---|
| | Tread | 2050 (6'9") |
| | Width over tires | 2585 (8'6") |
| A | Wheelbase | 3030 (9'11") |
| B | Hinge pin height, max. height | 3905 (12'10") |
| C | Hinge pin height, carry position | 480 (1'7") |
| D | Ground clearance | 425 (1'5") |
| E | Hitch height | 1095 (3'7") |
| F | Overall height, top of the stack | 2775 (9'1") |
| G | Overall height, ROPS cab | 3200 (10'6") |
| M | Tilt back angle | 49° |

### Measured with 20.5-25-12PR (L3) tires

| Bucket type | | | Stockpile Bucket | Excavating Bucket | Light Material Bucket |
|---|---|---|---|---|---|
| | | | Bolt-on Cutting Edge | Bolt-on Cutting Edge | Bolt-on Cutting Edge |
| Bucket capacity | Heaped | $m^3$ ($yd^3$) | 2.8 (3.7) | 2.5 (3.3) | 3.2 (4.2) |
| | Struck | $m^3$ ($yd^3$) | 2.4 (3.1) | 2.2 (2.9) | 2.8 (3.7) |
| Bucket width | | mm (ft.in) | 2770 (9'1") | 2770 (9'1") | 2740 (9'0") |
| Bucket weight | | kg (lb) | 1240 (2,734) | 1190 (2,623) | 1430 (3,153) |
| Static tipping load | Straight | kg (lb) | 12200 (26,900) | 12240 (26,980) | 12010 (26,480) |
| | Full turn (40°) | kg (lb) | 10600 (23,370) | 10640 (23,460) | 10410 (22,950) |
| H. Dumping clearance, max. height and 45° dump angle** | | mm (ft.in) | 2850 (9'4") | 2775 (9'1") | 2715 (8'11") |
| Reach at 2130 mm (7') and 45° dump angle** | | mm (ft.in) | 1570 (5'2") | 1600 (5'3") | 1435 (4'8") |
| J. Reach at max. height and 45° dump angle** | | mm (ft.in) | 1035 (3'5") | 1090 (3'7") | 1170 (3'10") |
| Reach with arm horizontal and bucket level** | | mm (ft.in) | 2420 (7'11") | 2520 (8'3") | 2610 (8'7") |
| K. Operating height (fully raised) | | mm (ft.in) | 5330 (17'6") | 5300 (17'5") | 5415 (17'9") |
| L. Overall length, bucket on ground | | mm (ft.in) | 7455 (24'6") | 7310 (24'0") | 7645 (25'1") |
| Turning radius* | | mm (ft.in) | 6090 (20'0") | 6030 (19'9") | 6165 (20'2") |
| Digging depth | 0° | mm (ft.in) | 85 (3.3") | 85 (3.3") | 85 (3.3") |
| | 10° | mm (ft.in) | 296 (11.7") | 285 (11.2") | 322 (12.7") |
| Breakout force | | kN<br>kgf (lb) | 129.3<br>13180 (29,060) | 148.1<br>15100 (33,290) | 110.6<br>11,280 (24,870) |
| Operating weight | | kg (lb) | 14310 (31,550) | 14260 (31,440) | 14500 (31,970) |

* Bucket at carry, outside corner of bucket.
** At the end of B.O.C. or teeth

- All dimensions, weights, and performance values based on SAE J732c and J742b standards.
- Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator.
- Machine stability and operating weight affected by counterweight, tire size, and other attachments.

### Weight Changes

| | Change in Operating Weight | | Change in Tipping Load | | | | Width Over Tire | | Graund clearance | | Change in Vertical Dimensions | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Straight | | Full Turn | | | | | | | |
| | kg | lb | kg | lb | kg | lb | mm | ft.in | mm | ft.in | mm | ft.in |
| 20.5-25-12PR (L2) | -190 | -419 | -140 | -309 | -125 | -276 | 2585 | 8'6" | 425 | 1'5" | 0 | 0" |
| Additional counterweight | -520 | -1,146 | -1010 | -2,227 | -880 | -1,940 | - | - | - | - | - | - |
| Air conditioner | -70 | -154 | -90 | -198 | -80 | -176 | - | - | - | - | - | - |



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# USE OF TRAVEL TIME CHARTS

The following explanation applies to travel time charts for Wheel Loaders.

1) How to read graph:

   The vertical axis indicates the distance and the horizontal axis indicates the time. First, check the travel resistance of the jobsite. Then, obtain the intersection point of the resistance line and the distance. The value of the horizontal axis at this point is the travel time. This graph does not include the acceleration time.

2) Explanation of travel resistance:

   The item indicated by percentage is the travel resistance. The travel resistance is the total of the grade resistance and rolling resistance. The rolling resistance varies with the road condition. Set it to 3.3% usually.

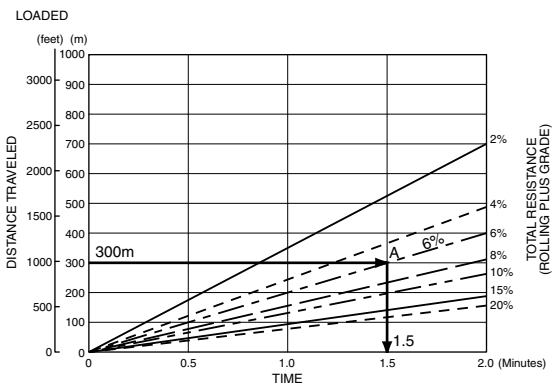
3) Empty and loaded curves:

   The empty curve indicates the weight and travel curve of the machine of the ordinary specification. The loaded curve indicates the total of the weight of the empty machine and the rated load.

**Example:**

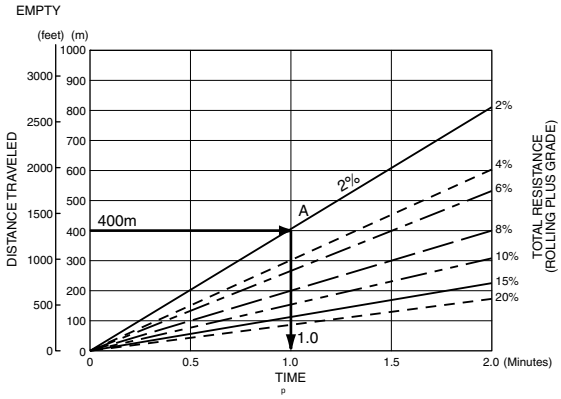
Haul...

Using the graph for the Loaded machine, read from the Travel Distance (one way) scale at 300 m (980 feet) across to the 6% total resistance line (point A). From (point A) read down to the Travel Time (one way) scale to determine haul time = 1.5 minutes.




Return...

Using the graph for the Empty machine, read from the Travel Distance (one way) scale at 400 m (1310 feet) across to the 2% total resistance line (point A). From (point A) read down to the Travel Time (one way) scale to determine haul time = 1.0 minutes




**NOTE:** Curves assume use of highest operating speed attainable.
It is important to consult the tire manufacturer on Ton-Mile-Per-Hour ratings and pressure recommendations.

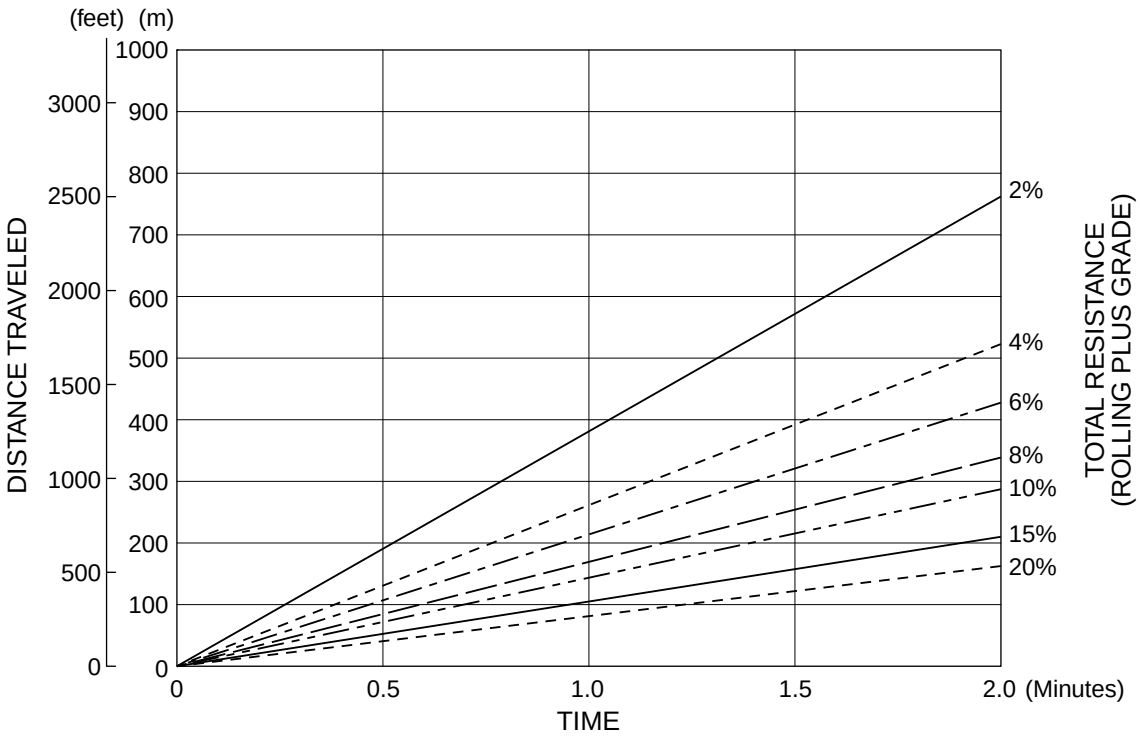


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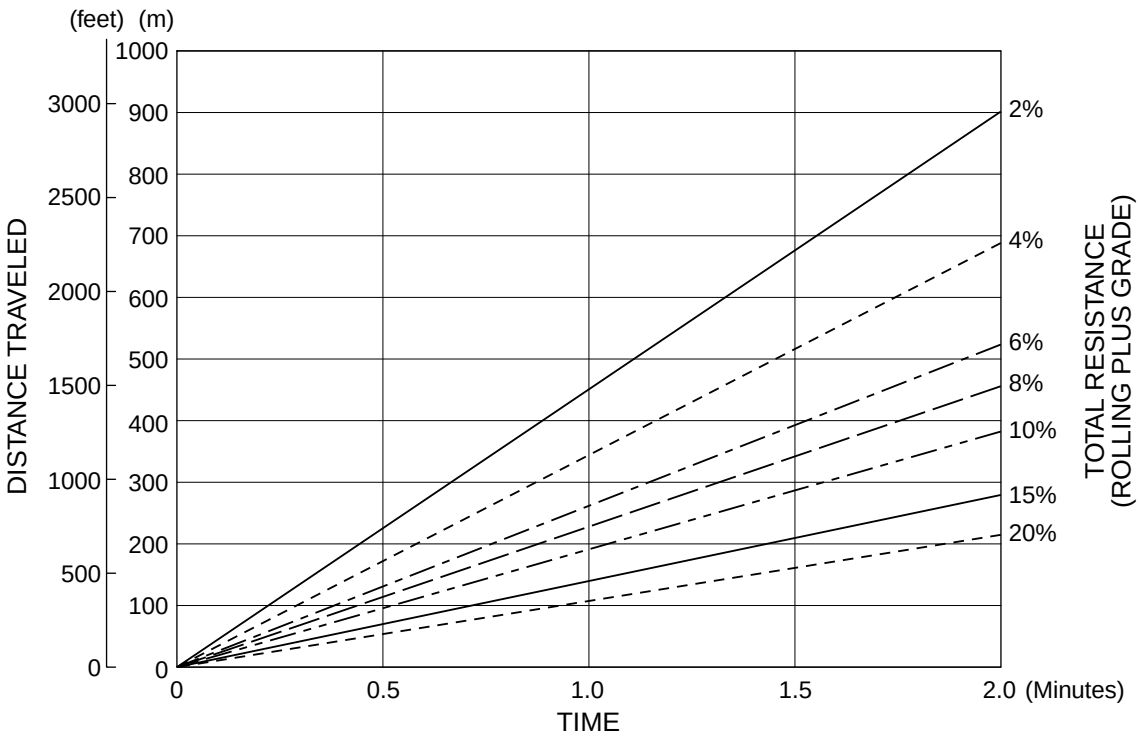


WA500-3 LOADED




FVBH0274

WA500-3 EMPTY




FVBH0273

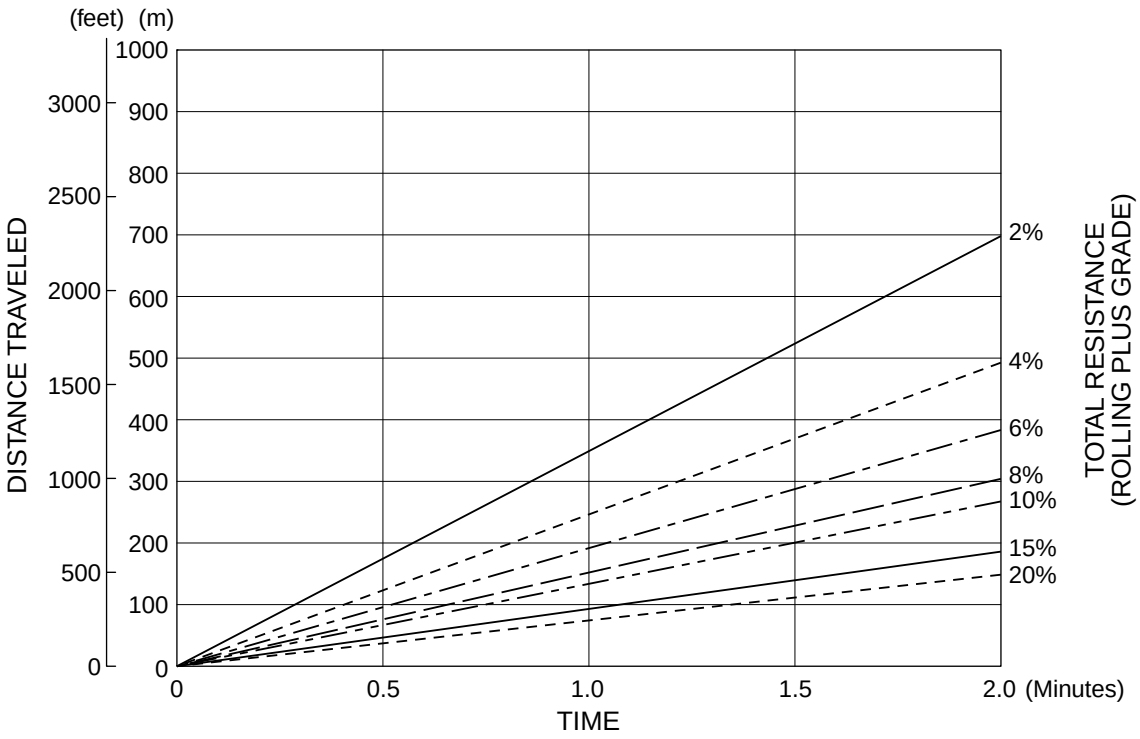


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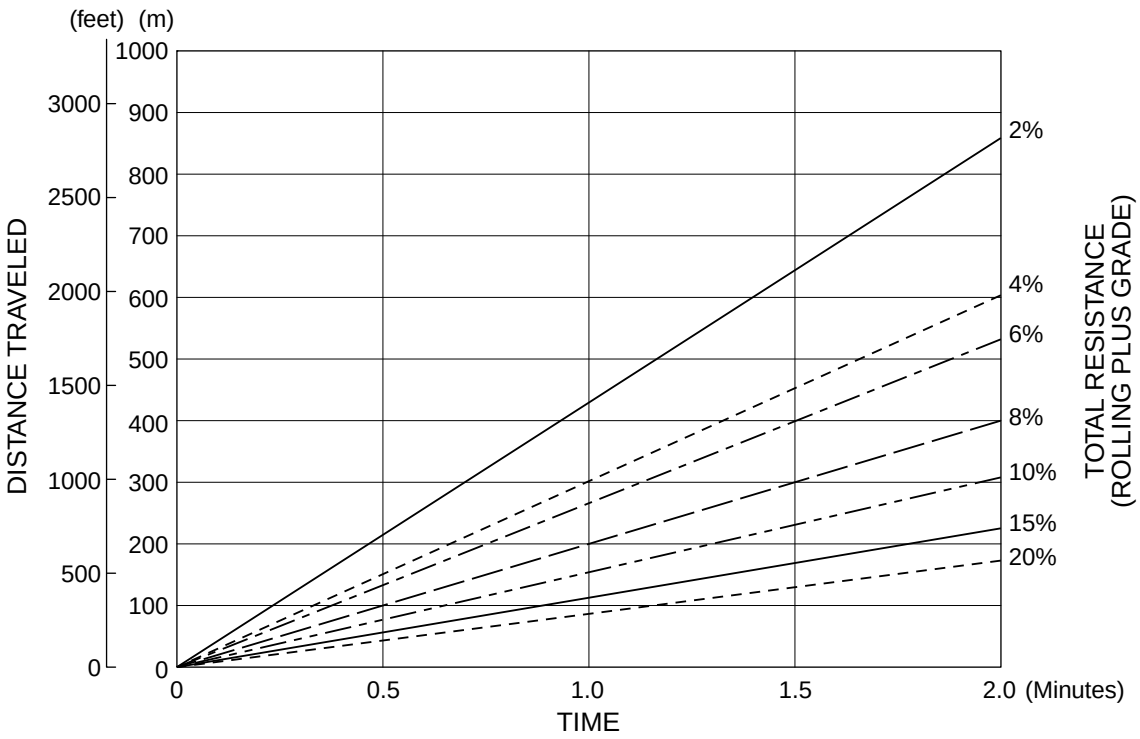


WA600-3 LOADED




FVBH0276

WA600-3 EMPTY




FVBH0275

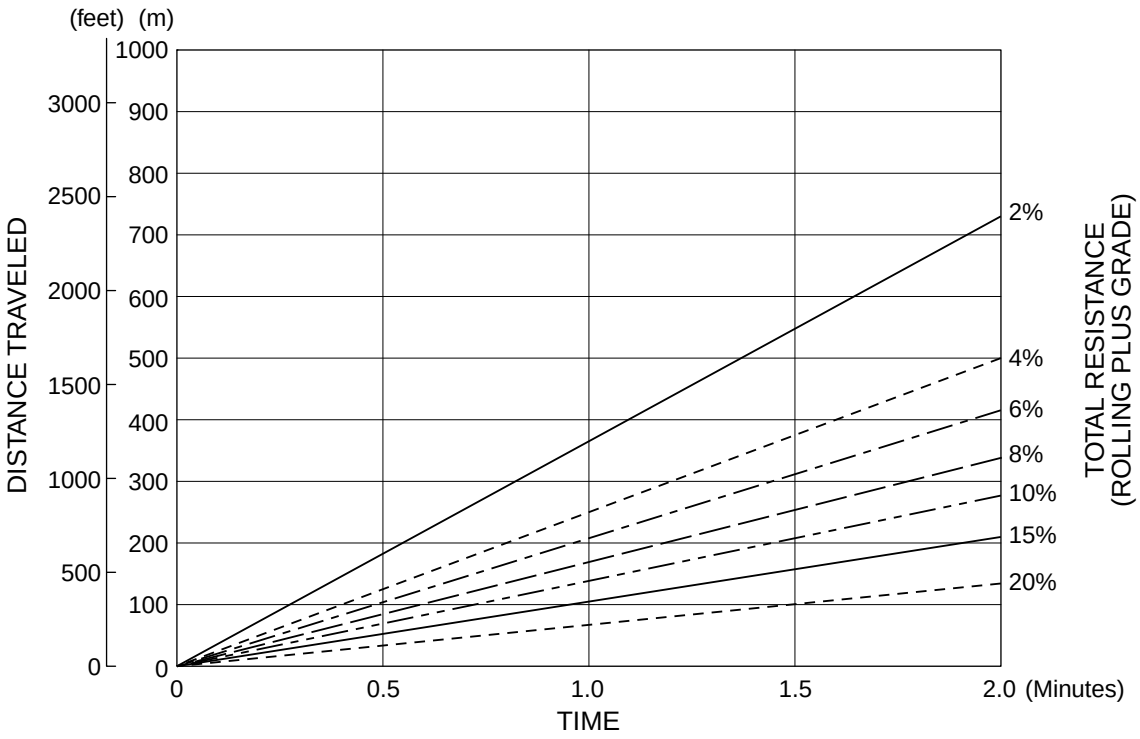


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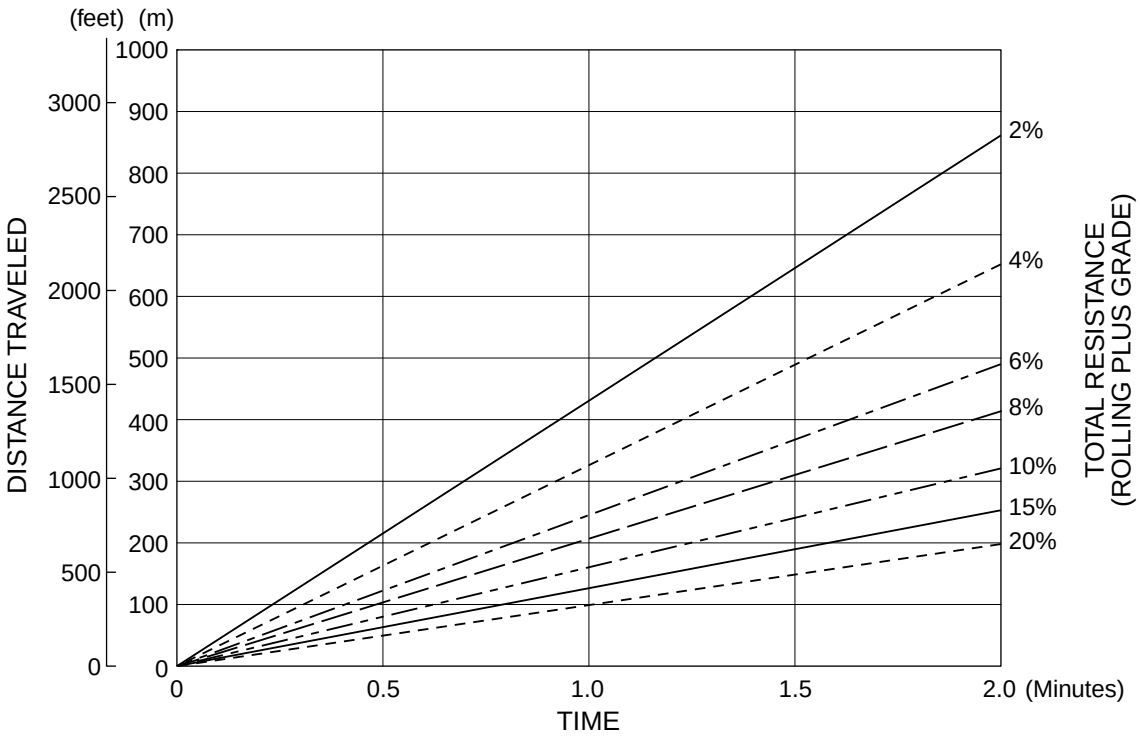


WA700-3 LOADED




FVBH0278

WA700-3 EMPTY




FVBH0277

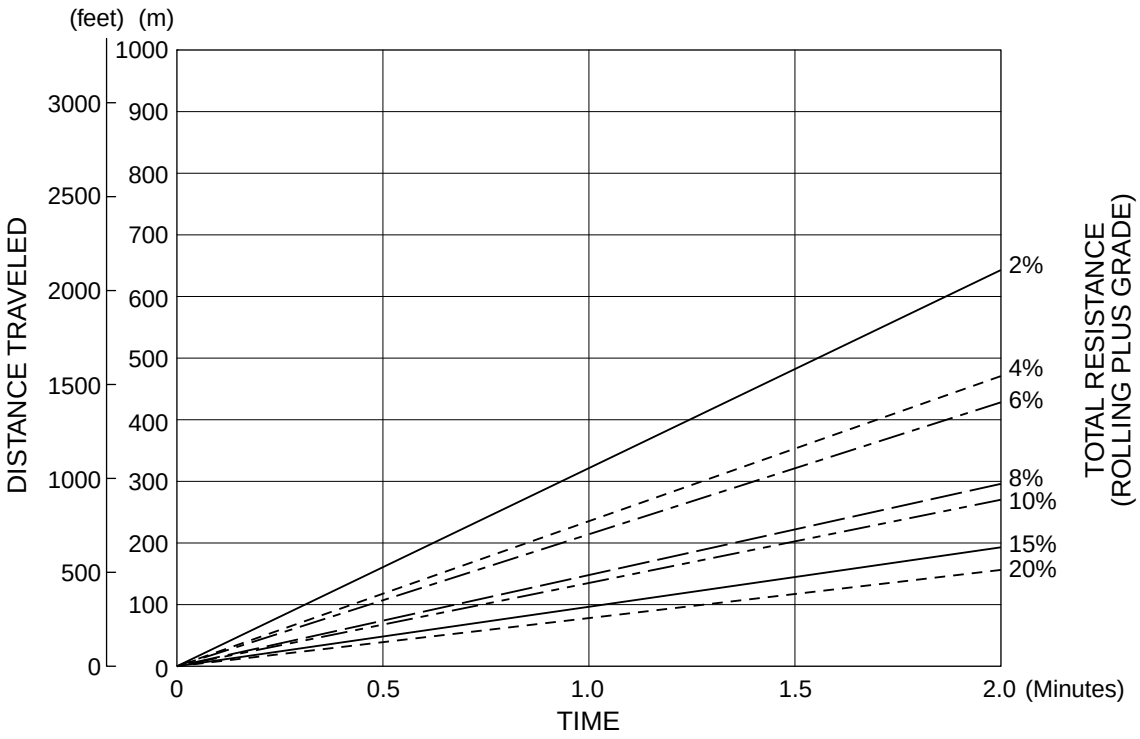


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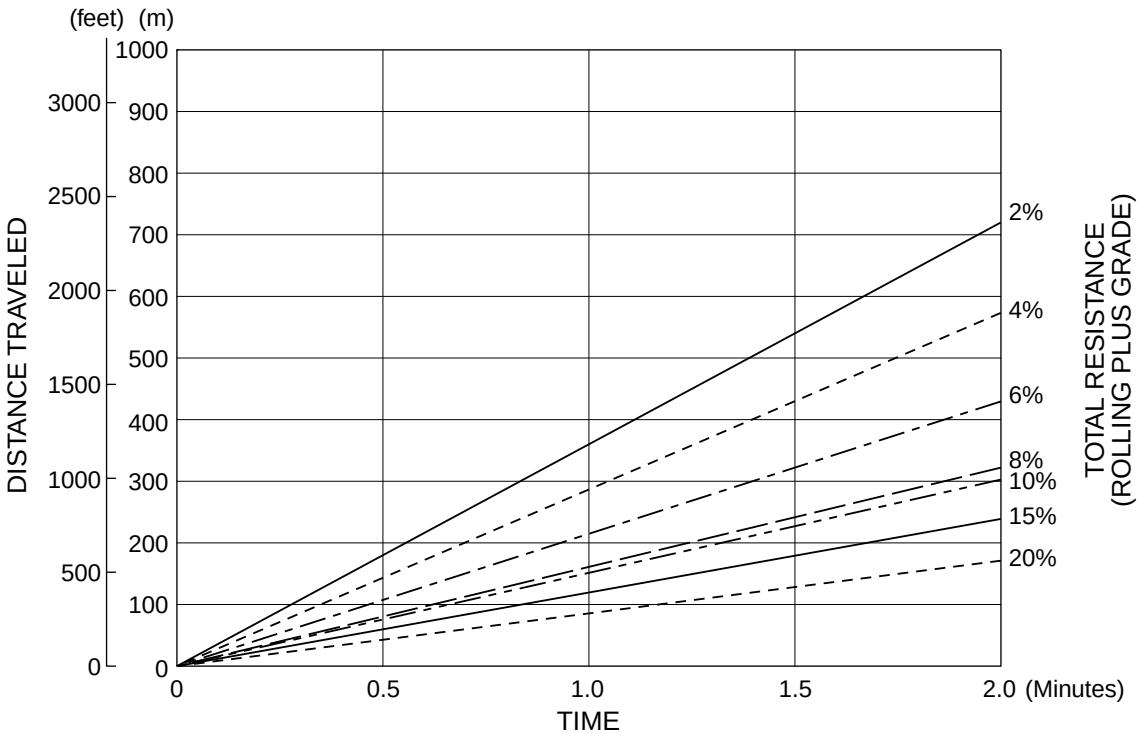


WA800-3 LOADED




FVBH0280

WA800-3 EMPTY




FVBH0279

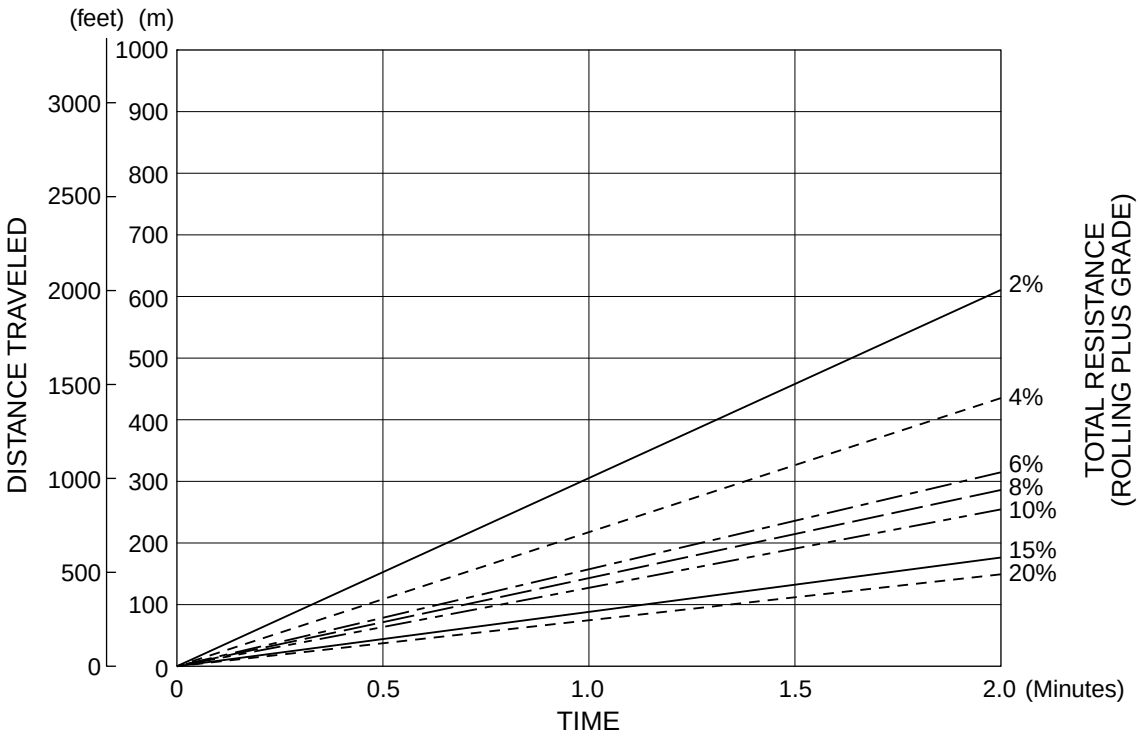


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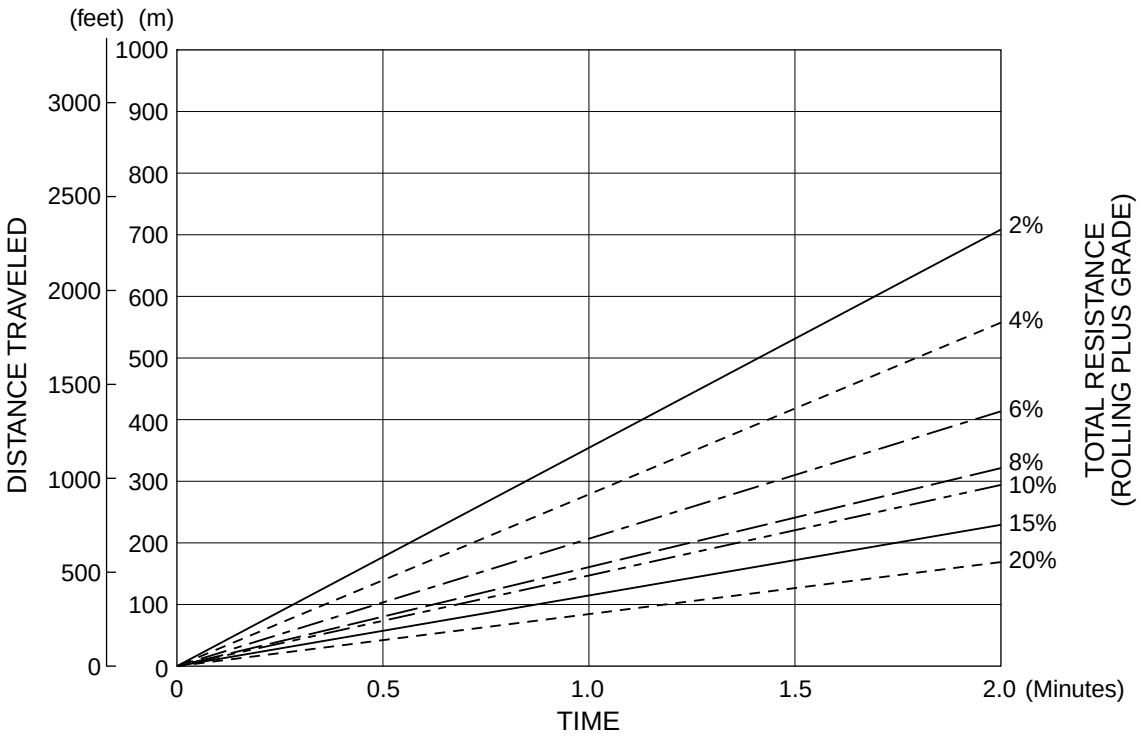


WA900-3 LOADED




FVBH0282

WA900-3 EMPTY




FVBH0281

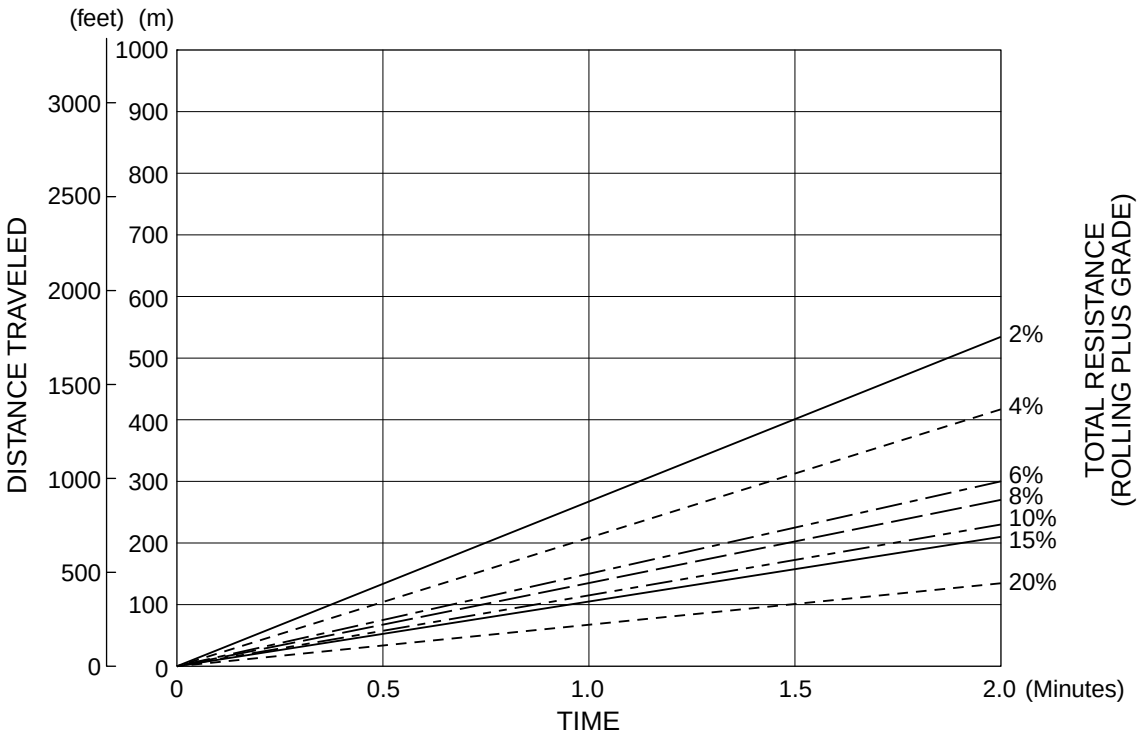


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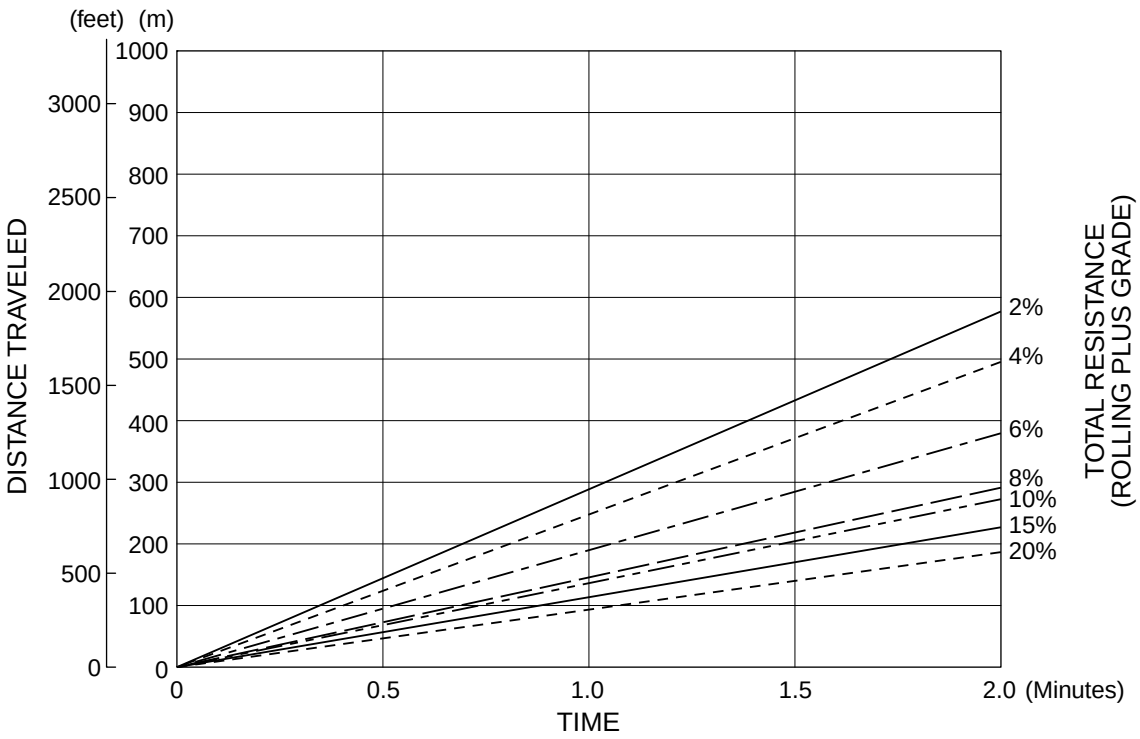


WA1200-3 LOADED




FVBH0284

WA1200-3 EMPTY




FVBH0283



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## 1. OPERATING WEIGHT

The total mass in kilograms (pounds) of the machine as specified and fully serviced, including a full fuel tank and 80 kg (175 lb) operator.

## 2. BUCKET CAPACITY (BY SAE)

The bucket capacity of wheel loaders is calculated as follows:

The struck capacity is defined as the volume of material retained in the bucket after a heaped load is struck by drawing a straight edge across the width of bucket with one end of the straight edge resting on the cutting edge and the other end resting on the uppermost portion of the bucket back sheet or spill guard. The struck capacity (Vs) can be expressed by the following equation:

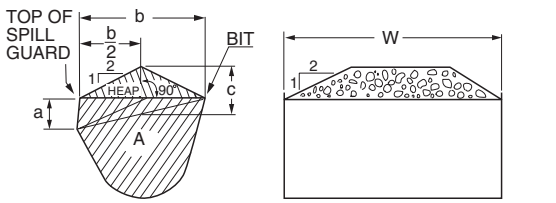
$$Vs = AW - \frac{2}{3} a^2 b$$

A = cross sectional area at the center of the bucket, $mm^2$ ($in^2$.).

W = average inside width of the bucket, mm (in.).

a = height of the spill guard at the center of the bucket normal to the strike line, mm (in.).

b = length of opening at the center of the bucket, mm (in.).



FVBH0009

Using the 2 : 1 angle of repose of the heaped material, the heaped capacity (Vh) is expressed as follow:

$$Vh = Vs + \frac{b^2 W}{8} - \frac{b^2}{6} (a+c)$$

Where c is the length on a normal to the strike line. On one end it is terminated by the assumed crest of the material.

On the other end it is terminated by the intersection with a line from the bit or cutting edge tip to the base of the spill guard.

This method applies primarily to irregular buckets having parallel sides and a cutting edge parallel to the edge of the spill guard or back sheet. Moderately clipped spill guard corners will introduce no appreciable errors.

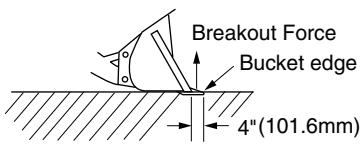
## 3. BUCKET LOAD

The bucket load should not exceed 50% of the TIPPING LOAD for wheel loaders or 35% of the TIPPING LOAD for crawler loaders, and will be considered as operating under the following conditions:

1. Lifting ability of the machine in all bucket positions to be no less than the specified operating load.
2. Bucket attachment of specified size and type.
3. Maximum travel speed of 6 km/h (3.7 mph).
4. Operating surface.
   (a) Shall be hard, moderately smooth and level for wheel loaders.
   (b) General operating conditions of crawler loaders are such that they normally are not operating on hard, moderately smooth level surface.
   For this reason, the rating on crawler loaders is set at the lower figure of 35%.

## 4. BREAKOUT FORCE

Breakout force in kilograms (and kilo-Newton or pounds) is the maximum sustained vertical upward force exerted 100 mm (4 in) behind the tip of the bucket cutting edge and is achieved through the ability to lift and/or roll-back the bucket about the specified pivot point under the following conditions:



Breakout force
FVBH0010

(a) Machine with transmission in neutral.
(b) All brakes released.
(c) Unit at standard operating weight, rear of machine not tied down.


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(d) Bottom of cutting edge parallel to and not more than 25 mm (1 in) above or below the ground line.

(e) When bucket circuit is used, the pivot point must be specified as the bucket hinge pin, and the unit blocked under the bucket hinge pin pivot point in order to minimize linkage movement.

(f) When the lift circuit is used, the pivot point must be specified as the lift arm hinge pin. Wheel loaders shall have front axle blocked to eliminate change in position of pivot pins due to tire deflection.

(g) If both circuits are used simultaneously, the dominating pivot point listed in (e) or (f) must be specified.

(h) If the circuit used causes the rear of the machine to leave the ground then the vertical force value required to raise the rear of the machine is the breakout force.

(i) For irregular shaped buckets, the tip of the bucket cutting edge, referred to above shall mean the farthest forward point of the cutting edge.

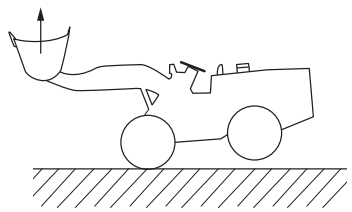
## 5. STATIC TIPPING LOAD

The minimum mass in kilograms (pounds) at the center of gravity of the SAE rated load in the bucket which will rotate the machine to a point where, on the crawler units, the front track rollers are clear of the track and, on wheel loaders, the rear wheels are clear of the ground under the following conditions:

(a) Maximum bucket rollback.

(b) Center of gravity of load at the maximum forward position in the raising cycle.

(c) Machine at operating weight and equipment as specified.
Articulated steer loader shall be in full turn position (specify angle).

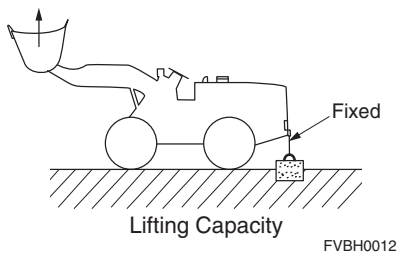



## 6. LIFTING CAPACITY

The maximum mass in kilograms (pounds) at the center of gravity of SAE rated load in the bucket that can be lifted at a specified height with the bucket positioned to retain maximum load under the following conditions:

(a) Machine with rear end tied down.

(b) Machine at operating weight and equipment as specified.




## 7. HYDRAULIC CYCLE TIMES

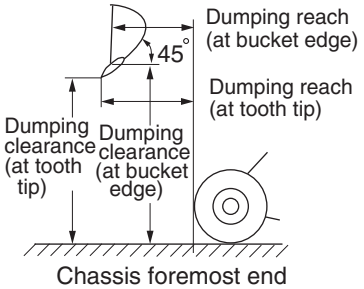
- Raising Time — The time in seconds required to raise the bucket, rolled back, from the ground level position to full height with the specified SAE operating load.
- Lowering time — The time in seconds required to lower the empty bucket from the full height to a level position on the ground.
- Dump Time — The time in seconds required to move the bucket from the load carrying position at maximum height to the full dump position while dumping the specified SAE operating load.


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**8. DUMPING CLEARANCE AND REACH**

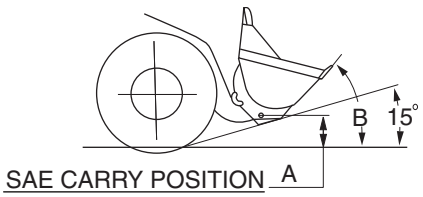
- Dumping clearance — The vertical distance in millimeters (inches) from the ground to the lowest point of the cutting edge with the bucket hinge pin at maximum height and the bucket at a 45 degree dump angle. If the dump angle is less than 45 degree, specify the angle.
- Dumping reach — The horizontal distance in millimeters (inches) from the foremost point on the machine (including tires, tracks, or loader frames) to the rearmost point of the bucket cutting edge with bucket hinge pin at maximum height and bucket at a 45 degree dump angle. If the dump angle is less than 45 degree, specify the angle.



FVBH0013

**9. CARRY POSITION**

The vertical distance from the ground in millimeters (inches) to the centerline of the bucket hinge pin, with the angle of approach at 15 degree.



A: Carry height
B: Mex tilt-back angle
(At carry position)
FVBH0014


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Unit: $m^3$ (cu.yd)

| | | WA50-6 | WA120-3 | WA150-6 | WA150-5 | WA180-3 | WA200-6 |
|---|---|---|---|---|---|---|---|
| GENERAL PURPOSE BUCKET (STOCKPILE) | W/B.O.C | ○ 0.6 (0.8) | ○ 1.4 (1.85) | ○ 1.5 (2.0) | ○ 1.5 (2.0) | ○ 1.7 (2.25) | ○ 2.0 (2.6) |
| | W/teeth | | ○ 1.3 (1.7) | ○ 1.4 (1.8) | | ○ 1.6 (2.1) | ○ 2.0 (2.6) |
| | W/segment edge | | | | | | |
| GENERAL PURPOSE BUCKET (EXCAVATING) | W/B.O.C | | ○ 1.2 (1.55) | ○ 1.3 (1.7) | ○ 1.3 (1.7) | ○ 1.5 (1.95) | ○ 1.7 (2.2) |
| | W/teeth | | ○ 1.2 (1.55) | ○ 1.2 (1.6) | ○ 1.3 (1.7) | ○ 1.5 (1.95) | ○ 1.7 (2.2) |
| | W/segment edge | | | | | | |
| SPADE NOSE ROCK BUCKET | W/tip type teeth | | | | | | |
| LIGHT MATERIAL BUCKET | W/B.O.C | | ○ 1.7 (2.25) | ○ 1.7 (2.2) | ○ 1.7 (2.2) | ○ 2.2 (2.9) | ○ 2.4 (3.1) |
| | BARE | | ○ 1.6 (2.1) | | ○ 1.6 (2.1) | ○ 2.1 (2.75) | |
| LIGHT MATERIAL BUCKET | For multi-coupler | | | | | | |
| MULTI-PURPOSE BUCKET | | | ○ 1.0 (1.3) | | | ○ 1.2 (1.65) | |
| GENERAL PURPOSE BUCKET (STOCKPILE) FOR HIGH LIFT BOOM | W/B.O.C | | ○ 1.2 (1.55) | | ○ 1.3 (1.7) | ○ 1.5 (1.95) | ○ 1.7 (2.2) |
| | W/teeth | | ○ 1.2 (1.55) | | ○ 1.3 (1.7) | ○ 1.5 (1.95) | ○ 1.7 (2.2) |
| GENERAL PURPOSE BUCKET FOR SUPER HIGH LIFT BOOM (STOCKPILE) | W/B.O.C | | ○ 1.0 (1.3) | | | | |
| | W/teeth | | ○ 1.0 (1.3) | | | | |
| HIGH LIFT BOOM | | | ○ | ○ | ○ | ○ | ○ |
| SUPER-HIGH LIFT BOOM | | | ○ | | | | |
| B.O.C (BOLT-ON CUTTING EDGE) | | ○ | ○ | ○ | ○ | ○ | ○ |
| B.O.C, LONG LIFE | | | | | | | |
| SEGMENT EDGE | | | | | | | |
| TEETH | Bolt-on teeth | | ○ | ○ | ○ | ○ | ○ |
| | Bolt-on teeth for limestone | | | | | | |
| | Bolt-on teeth for long life | | | | | | |
| | Tip type teeth | | ○ | ○ | ○ | ○ | ○ |
| LOG GRAPPLE | Pin on type | | | | | | |
| LUMBER GRAPPLE | | | ○ | | | ○** | |
| DUMPING FORK | Pin-on type | | ○ | | | | |
| | Multi-coupler | | | | | | |
| LUMBER FORK | Pin-on type | | ○ | | | ○ | |
| | Multi-coupler | | ○ | | | | |
| EXTENSION FORK | | | | | | | |
| MULTI-COUPLER | Mech. type | | | | | | |
| | Hyd. type | | | | | | |
| COUNTERWEIGHT | Additional | | ○ | ○ | ○ | ○ | ○ |
| | For log & fork | | | | | | ○ |
| BUCKET CYLINDER (LARGE SIZED) | | | | | ○ | | |
| BUCKET CYLINDER | For high lift | | | | ○ | | |

*: Install the 0.7 $m^3$ (0.9 cu.yd) general purpose bucket (stockpile).
**: Install the additional counterweight.



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Unit: $m^3$ (cu.yd)

| | | WA200-5 | WA200PZ-6 | WA250-6 | WA250-5 | WA250PZ-6 | WA250-3 |
|---|---|---|---|---|---|---|---|
| GENERAL PURPOSE BUCKET (STOCKPILE) | W/B.O.C | ○ 2.0 (2.6) | ○ 2.0 (2.6) | ○ 2.3 (3.0) | ○ 2.3 (3.0) | ○ 2.2 (2.9) | ○ 2.1 (2.75) |
| | W/teeth | ○ 1.9 (2.5) | ○ 1.9 (2.5) | ○ 2.1 (2.75) | ○ 2.1 (2.75) | | ○ 1.9 (2.5) |
| | W/segment edge | | | | | | |
| GENERAL PURPOSE BUCKET (EXCAVATING) | W/B.O.C | ○ 1.7 (2.2) | | ○ 1.9 (2.5) | ○ 1.9 (2.5) | | ○ 1.9 (2.5) |
| | W/teeth | ○ 1.6 (2.1) | | ○ 1.8 (2.4) | ○ 1.8 (2.35) | | ○ 1.8 (2.35) |
| | W/segment edge | | | | | | |
| SPADE NOSE ROCK BUCKET | W/tip type teeth | | | | | | |
| LIGHT MATERIAL BUCKET | W/B.O.C | ○ 2.4 (3.1) | | ○ 2.7 (3.5) | ○ 2.7 (3.35) | | ○ 2.7 (3.35) |
| | W/teeth | | | | | | |
| | BARE | ○ 2.3 (3.0) | | ○ 2.5 (3.25) | ○ 2.5 (3.25) | | ○ 2.5 (3.25) |
| LIGHT MATERIAL BUCKET | For multi-coupler | | | | | | |
| MULTI-PURPOSE BUCKET | | | | | | | |
| GENERAL PURPOSE BUCKET (STOCKPILE) FOR HIGH LIFT BOOM | W/B.O.C | ○ 1.7 (2.2) | | ○ 1.9 (2.5) | ○ 1.9 (2.5) | | ○ 1.9 (2.5) |
| | W/teeth | ○ 1.7 (2.2) | | ○ 1.8 (2.35) | ○ 1.8 (2.35) | | ○ 1.8 (2.35) |
| GENERAL PURPOSE BUCKET FOR SUPER HIGH LIFT BOOM (STOCKPILE) | W/B.O.C | | | | | | |
| | W/teeth | | | | | | ○ 1.5 (1.95) |
| HIGH LIFT BOOM | | ○ | | ○ | ○ | | ○ |
| SUPER-HIGH LIFT BOOM | | | | | | | |
| B.O.C (BOLT-ON CUTTING EDGE) | | ○ | ○ | ○ | ○ | ○ | ○ |
| B.O.C, LONG LIFE | | | | | | | |
| SEGMENT EDGE | | | | | | | |
| TEETH | Bolt-on teeth | ○ | ○ | ○ | ○ | ○ | ○ |
| | Bolt-on teeth for limestone | | | | | | |
| | Bolt-on teeth for long life | | | | | | |
| | Tip type teeth | ○ | ○ | ○ | ○ | ○ | ○ |
| LOG GRAPPLE | Pin on type | | | ○ | ○ | | ○ |
| LUMBER GRAPPLE | | | | | ○ | | ○ |
| DUMPING FORK | Pin-on type | | | | | | ○ |
| | Multi-coupler | | | | | | |
| LUMBER FORK | Pin-on type | ○ | | | ○ | | ○ |
| | Multi-coupler | | | | | | |
| EXTENSION FORK | | | | | | | |
| QUICK-COUPLER | Mech. type | | | | | | |
| | Hyd. type | | ○ (STD) | | ○ | ○ (STD) | ○ |
| COUNTERWEIGHT | Additional | ○ | ○ (STD) | ○ | ○ | ○ (STD) | ○ |
| | For log & fork | | | ○ | | | |
| BUCKET CYLINDER (LARGE SIZED) | | | | | | | |
| BUCKET CYLINDER | For high lift | | | | ○ | | |
| PALLET FORK | W/coupler | | ○ | | | ○ | |



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Unit: $m^3$ (cu.yd)

| | | WA320-6 | WA320-5 | WA320PZ-6 | WA320-3 CUSTOM | WA380-6 | WA380Z-6 |
|---|---|---|---|---|---|---|---|
| GENERAL PURPOSE BUCKET (STOCKPILE) | W/B.O.C | ○ 2.8 (2.7) | ○ 2.8 (3.7) | ○ 2.7 (3.5) | ○ 2.7 (3.55) | ○ 3.3 (4.3) | ○ 3.3 (4.3) |
| | W/teeth | ○ 2.6 (3.4) | ○ 2.6 (3.25) | | ○ 2.5 (3.25) | ○ 3.1 (4.1) | ○ 3.1 (4.1) |
| | W/segment edge | | | | | | |
| GENERAL PURPOSE BUCKET (EXCAVATING) | W/B.O.C | ○ 2.3 (3.0) | ○ 2.3 (3.0) | | | ○ 2.9 (3.8) | ○ 2.9 (3.8) |
| | W/teeth | ○ 2.1 (2.7) | ○ 2.1 (2.75) | | | ○ 2.7 (3.5) | ○ 2.7 (3.5) |
| | W/segment edge | | | | | ○ 2.9 (3.8) | ○ 2.9 (3.8) |
| SPADE NOSE ROCK BUCKET | W/tip type teeth | | | | | | |
| LIGHT MATERIAL BUCKET | W/B.O.C | ○ 3.2 (4.2) | ○ 3.2 (4.2) | | | ○ 4.0 (5.2) | ○ 4.0 (5.2) |
| | W/teeth | ○ 3.0 (3.9) | | | | | |
| | BARE | | ○ 3.0 (3.9) | | | | |
| LIGHT MATERIAL BUCKET | For multi-coupler | | ○ 2.5 (3.25) | | | | |
| GENERAL PURPOSE BUCKET (STOCKPILE) FOR HIGH LIFT BOOM | W/B.O.C | | ○ 2.4 (3.0) | | | ○ 2.9 (3.8) | ○ 2.9 (3.8) |
| | W/teeth | | ○ 2.2 (2.75) | | | ○ 2.7 (3.5) | ○ 2.7 (3.5) |
| GENERAL PURPOSE BUCKET FOR SUPER HIGH LIFT BOOM (STOCKPILE) | W/B.O.C | | | | | | |
| | W/teeth | | | | | | |
| HIGH LIFT BOOM | | ○ | ○ | | | ○ | ○ |
| SUPER-HIGH LIFT BOOM | | | | | | | |
| B.O.C (BOLT ON CUTTING EDGE) | | ○ | ○ | ○ | ○ | ○ | ○ |
| B.O.C, LONG LIFE | | | ○ | | ○ | | |
| SEGMENT EDGE | | | ○ | | ○ | ○ | ○ |
| TEETH | Bolt-on teeth | ○ | ○ | ○ | ○ | ○ | ○ |
| | Bolt-on teeth for limestone | | | | | | |
| | Bolt-on teeth for long life | | | | | | |
| | Tip type teeth | ○ | ○ | ○ | ○ | ○ | ○ |
| LOG GRAPPLE | Pin on type | ○ | ○ | | ○ | ○ | ○ |
| LUMBER GRAPPLE | | | ○ | | | | |
| DUMPING FORK | Pin-on type | | ○ | | ○ | | |
| | Multi-coupler | | | | | | |
| LUMBER FORK | Pin-on type | | ○ | | ○ | | |
| | Multi-coupler | | | | | | |
| EXTENSION FORK | | | | | | | |
| QUICK-COUPLER | Mech. type | | | | | | |
| | Hyd. type | | | ○ (STD) | | | |
| COUNTERWEIGHT | Additional | ○ | ○ | | ○ | ○ | ○ |
| | For log & fork | | ○ | | | ○ | ○ |
| BUCKET CYLINDER (LARGE SIZED) | For log & fork | | ○ | | | | |
| BUCKET CYLINDER | For high lift | | ○ | | | | |
| PALLET FORK | W/coupler | | | ○ | | | |



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Unit: $m^3$ (cu.yd)

| | | WA380-5 | WA380-3 | WA430-6 | WA430-5 | WA430-6 | WA430-5 |
|---|---|---|---|---|---|---|---|
| GENERAL PURPOSE BUCKET (STOCKPILE) | W/B.O.C | ○ 3.3 (4.3) | ○ 3.2 (4.2) | ○ 3.5 (4.6) | ○ 3.7 (4.8) | ○ 3.5 (4.6) | ○ 3.7 (4.8) |
| | W/teeth | ○ 3.1 (4.1) | ○ 3.0 (3.9) | ○ 3.3 (4.3) | ○ 3.5 (4.6) | ○ 3.3 (4.3) | ○ 3.5 (4.6) |
| | W/segment edge | | ○ 3.2 (4.2) | | | | |
| GENERAL PURPOSE BUCKET (EXCAVATING) | W/B.O.C | ○ 2.9 (3.8) | ○ 2.8 (3.65) | ○ 3.3 (4.3) | ○ 3.3 (4.3) | ○ 3.3 (4.3) | ○ 3.3 (4.3) |
| | W/teeth | ○ 2.7 (3.5) | ○ 2.6 (3.4) | ○ 3.1 (4.1) | | ○ 3.1 (4.1) | ○ 3.1 (4.1) |
| | W/segment edge | ○ 2.9 (3.8) | ○ 2.8 (3.65) | ○ 3.3 (4.3) | | ○ 3.3 (4.3) | |
| SPADE NOSE ROCK BUCKET | W/tip type teeth | | | | ○ 3.1 (4.1) | | ○ 3.1 (4.1) |
| LIGHT MATERIAL BUCKET | W/B.O.C | ○ 4.0 (5.2) | ○ 4.0 (5.25) | ○ 4.6 (6.0) | ○ 4.6 (6.0) | ○ 4.6 (6.0) | ○ 4.6 (6.0) |
| | W/teeth | | | | | | |
| | BARE | | ○ 3.8 (4.95) | | | | |
| LIGHT MATERIAL BUCKET | For multi-coupler | | ○ 3.1 (4.0) | | | | |
| GENERAL PURPOSE BUCKET (STOCKPILE) FOR HIGH LIFT BOOM | W/B.O.C | ○ 2.9 (3.8) | ○ 2.8 (3.65) | ○ 3.3 (4.3) | ○ 3.3 (4.3) | ○ 3.3 (4.3) | ○ 3.3 (4.3) |
| | W/teeth | ○ 2.7 (3.5) | ○ 2.6 (3.4) | ○ 3.1 (4.0) | ○ 3.1 (4.0) | ○ 3.1 (4.0) | ○ 3.1 (4.0) |
| GENERAL PURPOSE BUCKET FOR SUPER HIGH LIFT BOOM (STOCKPILE) | W/B.O.C | | | | | | |
| | W/teeth | | | | | | |
| HIGH LIFT BOOM | | ○ | ○ | ○ | ○ | ○ | ○ |
| SUPER-HIGH LIFT BOOM | | | | | | | |
| B.O.C (BOLT ON CUTTING EDGE) | | ○ | ○ | ○ | ○ | ○ | ○ |
| B.O.C, LONG LIFE | | | ○ | | | | ○ |
| SEGMENT EDGE | | ○ | ○ | ○ | ○ | ○ | ○ |
| TEETH | Bolt-on teeth | ○ | ○ | ○ | ○ | ○ | ○ |
| | Bolt-on teeth for limestone | | ○ | | ○ | | ○ |
| | Bolt-on teeth for long life | | ○ | | ○ | | ○ |
| | Tip type teeth | | ○ | ○ | ○ | ○ | ○ |
| LOG GRAPPLE | Pin on type | ○ | ○ | ○ *8 | ○ *8 | ○ *8 | ○ *8 |
| LUMBER GRAPPLE | | | | | | | |
| DUMPING FORK | Pin-on type | ○ | ○ | | | | |
| | Multi-coupler | | | | | | |
| LUMBER FORK | Pin-on type | ○ | ○ | | | | |
| | Multi-coupler | | | | | | |
| EXTENSION FORK | | | | | | | |
| MULTI-COUPLER | Mech. type | | | | | | |
| | Hyd. type | | | | | | |
| COUNTERWEIGHT | Additional | ○ | ○ | ○ | ○ | ○ | ○ |
| | For log & fork | ○ | ○ | ○ | ○ | ○ | ○ |
| BUCKET CYLINDER (LARGE SIZED) | For log & fork | ○ | | | | | |
| BUCKET CYLINDER | For high lift | ○ | ○ | | ○ | | ○ |
| PALLAET FORK | | | | | | | |

*8 : Install the counterweight for log & fork attachments.



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Unit: $m^3$ (cu.yd)

| | | | WA470-6 | WA470-5 | WA470-3 | WA480-6 |
|---|---|---|---|---|---|---|
| GENERAL PURPOSE BUCKET (STOCKPILE) | | W/B.O.C | ○ 4.2 (5.5) | ○ 4.2 (5.5) | ○ 4.2 (5.5) | ○ 4.6 (6.0) |
| | | W/teeth | ○ 3.9 (5.1) | ○ 3.9 (5.1) | ○ 3.9 (5.1) | ○ 4.3 (5.6) |
| | | W/segment edge | | | ○ 4.2 (5.5) | |
| GENERAL PURPOSE BUCKET (EXCAVATING) | | W/B.O.C | ○ 3.8 (5.0) | ○ 3.8 (5.0) | ○ 3.8 (4.95) | ○ 4.1 (5.4) |
| | | W/teeth | ○ 3.6 (4.7) | ○ 3.6 (4.7) | ○ 3.6 (4.7) | ○ 3.8 (5.0) |
| | | W/segment edge | ○ 3.8 (5.0) | ○ 3.8 (5.0) | ○ 3.8 (4.95) | ○ 4.1 (5.4) |
| GENERAL PURPOSE BUCKET FOR HIGH LIFT BOOM (STOCKPILE) | | W/B.O.C | ○ 3.8 (5.0) | ○ 3.8 (5.0) | ○ 3.8 (4.95) | |
| | | W/teeth | | ○ 3.6 (4.7) | ○ 3.6 (4.7) | |
| | | W/O teeth | | | | |
| LOOSE MATERIAL BUCKET | | W/B.O.C | ○ 4.6 (6.0) | ○ 4.6 (6.0) | | ○ 4.9 (6.4) |
| | | BARE | ○ 5.2 (6.8) | ○ 4.3 (5.6) | | |
| LIGHT MATERIAL BUCKET | | W/B.O.C | | ○ 5.2 (6.8) | ○ 5.2 (6.8) | ○ 6.1 (8.0) |
| | | BARE | | 4.9 (6.4) | ○ 4.9 (6.4) | |
| SPADE NOSE ROCK BUCKET (V-EDGE) | | W/tip type teeth | | ○ 3.6 (4.7) | ○ 3.5 (4.6) | |
| | | W/O teeth | | ○ 3.6 (4.7) | ○ 3.5 (4.6) | |
| ROCK BUCKET (STRAIGHT EDGE) | | W/teeth | ○ 3.6 (4.7) | | | |
| | | W/O teeth | | | | |
| HEAVY-DUTY BUCKET (SPADE NOSE) | | W/teeth bolt on segments | | | | |
| | | W/O teeth | | | | |
| BUCKET FOR TWO-WAY DUMP | | W/B.O.C | | ○ 3.0 (3.9) | | |
| | | W/O teeth | | ○ 3.0 (3.9) | | |
| COAL BUCKET | | | | | | |
| HIGH LIFT BOOM | | | | ○ | ○ | |
| SHORT BOOM | For load & carry specs. | | | | | |
| | For stone handling specs. | | | | | |
| B.O.C(BOLT ON CUTTING EDGE) | | | ○ | ○ | ○ | |
| B.O.C, LONG LIFE | | | | ○ | ○ | ○ |
| SEGMENT EDGE | | | ○ | ○ | ○ | ○ |
| TEETH | Bolt-on teeth | | ○ | ○ | ○ | ○ |
| | Bolt-on teeth for long life | | | ○ | ○ | |
| | Bolt-on teeth for limestone | | | ○ | ○ | |
| | Tip type bolt on | | ○ | ○ | ○ | ○ |
| | Tip type teeth for semi-long | | | | | |
| | Tip type weld on | | | ○ | | |
| | Tip type weld on (sharp) | | | | | |
| | Tip type teeth for long life | | | | | |
| | Tip type teeth for limestone (sharp) | | | | | |
| LOG GRAPPLE | | | | ○*8 | ○*8 | |
| LOG-LUMBER FORK | | | | | | |
| LOG-LUMBER GRAPPLE | | | | | | |
| PIPE GRAPPLE | | | | | | |
| ROLLING GUSSET | | | | | | |
| COUNTER-WEIGHT | Additional | | ○ | ○ | ○ | ○ |
| | For log & fork ATT. | | | ○ | ○ | |
| | For high lift boom | | | ○ | | |
| | For load & carry specs, with short boom | | | | | |
| | For stone handling specs,with short boom | | | | | |
| BUCKET CYLINDER (LARGE SIZED) | | For log & fork | | | | |
| BUCKET CYLINDER | | For high lift | | ○ | ○ | |

*8 : Install the counterweight for log & fork attachments.



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Unit: $m^3$ (cu.yd)

| | | | WA500-6 | WA500-6R | WA500-3 | WA600-6 | WA600-6R | WA600-3 |
|---|---|---|---|---|---|---|---|---|
| GENERAL PURPOSE BUCKET (STOCKPILE) | | W/B.O.C | ○ 5.6 (7.3) | ○ 5.6 (7.3) | ○ 5.0 (6.5) | | | |
| | | W/teeth | ○ 5.3 (6.9) | ○ 5.3 (6.9) | ○ 4.7 (6.1) | | | |
| | | W/segment edge | | | | ○ 7.0 (9.2) | ○ 7.0 (9.2) | |
| GENERAL PURPOSE BUCKET (EXCAVATING) | | W/B.O.C | ○ 5.2 (6.8) | ○ 5.2 (6.8) | ○ 4.5 (5.9) | | | ○ 6.4 (8.4) |
| | | W/teeth | ○ 5.0 (6.5) | ○ 5.0 (6.5) | ○ 4.3 (5.6) | ○ 6.5 (8.5) | ○ 6.5 (8.5) | ○ 6.1 (8.0) |
| | | W/segment edge | ○ 5.2 (6.8) | ○ 5.2 (6.8) | ○ 4.5 (5.9) | | | |
| GENERAL PURPOSE BUCKET FOR HIGH LIFT BOOM (STOCKPILE) | | W/B.O.C | | | | | | |
| | | W/teeth | | | ○ 4.2 (5.5) | | | ○ 5.6 (7.3) |
| | | W/O teeth | | | | | | ○ 5.6 (7.3) |
| GENERAL PURPOSE BUCKET (EXCAVATING) FOR HIGH LIFT STRAIGHT EDGE | | W/B.O.C | ○ 4.5 (5.9) | ○ 4.5 (5.9) | ○ 4.2 (5.5) | | | |
| | | W/teeth | ○ 4.3 (5.6) | ○ 4.3 (5.6) | ○ 4.0 (5.25) | | | ○ 5.6 (7.3) |
| | | W/segment edge | ○ 4.5 (5.9) | ○ 4.5 (5.9) | ○ 4.2 (5.5) | | | |
| LIGHT MATERIAL BUCKET | | W/B.O.C | | | ○ 5.5 (7.15) | | | |
| | | BARE | | | ○ 5.2 (6.8) | | | |
| SPADE NOSE ROCK BUCKET (V-EDGE) | | W/tip type teeth | | | ○ 4.3 (5.6) | | | ○ 6.1 (8.0) |
| | | W/O teeth | | | ○ 4.3 (5.6) | | | ○ 6.1 (8.0) |
| | | W/segment edge | | | | ○ 6.4 (8.4) | ○ 6.4 (8.4) | |
| SPADE NOSE ROCK BUCKET (V-EDGE) FOR HIGH LIFT BOOM | | W/tip type teeth | | | | | | ○ 5.6 (7.3) |
| | | W/O teeth | | | | | | ○ 5.6 (7.3) |
| SPADE NOSE ROCK BUCKET (V-EDGE) FOR LOAD & CARRY SPECS, WITH SHORT ARM. | | Tip type teeth with Weld-on | | | | | | ○ 7.5 (9.8) |
| ROCK BUCKET (STRAIGHT EDGE) | | W/teeth | | | | | | |
| | | W/O teeth | | | | | | |
| HEAVY-DUTY ROCK BUCKET (SPADE NOSE) | | W/teeth bolt on segments | ○ 5.0 (6.5) | ○ 5.0 (6.5) | ○ 4.5 (5.9) | | | |
| | | W/O teeth | ○ 4.7 (6.1) | ○ 4.7 (6.1) | | | | |
| COAL BUCKET | | | | | | | | ○ 11.0(14.4) |
| HIGH LIFT BOOM | | | | ○ | ○ | ○*3 | | | ○*4 |
| SHORT BOOM | | | | | | | ○*9 | ○*9 | |
| SHORT BOOM | For load & carry specs. | | | | | | | | ○*6 |
| | For stone handling specs. | | | | | | | | ○ |
| BOC(BOLT ON CUTTING EDGE) | | | | ○ | ○ | ○ | ○ | ○ | ○ |
| BOC, LONG LIFE | | | | | | | | | |
| SEGMENT EDGE | | | | | | ○ | ○ | ○ | ○ |
| TEETH | Bolt-on teeth | | | ○ | ○ | ○ | | | ○ |
| | Bolt-on teeth for long life | | | | | | | | |
| | Bolt-on teeth for limestone | | | | | | | | |
| | Tip type bolt on | | | ○ | ○ | ○ | ○ | ○ | ○ |
| | Tip type teeth for semi-long | | | | | | | | |
| | Tip type weld on | | | | | ○ | | | ○ |
| LOG GRAPPLE | | | ○*8 | | | ○*8 | ○ | ○ | |
| COUNTER-WEIGHT | Additional | | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | For log & fork ATT. | | ○ | | | ○ | ○ | ○ | ○ |
| | For high lift boom | | ○ | | | ○ | | | ○ |
| | For load & carry specs, with short boom | | | | | | | | ○ |
| | For stone handling specs,with short boom | | | | | | | | |

*3 : Install the 4.2 $m^3$ (5.5 cu.yd) general purpose bucket and counterweight for high lift boom.
*4 : Install the 5.6 $m^3$ (7.3 cu.yd) general purpose bucket and counterweight for high lift boom.
*6 : Install the 7.5 $m^3$ (9.8 cu.yd) spade nose bucket and counterweight for load & carry specs.
*7 : Install the 14.0 $m^3$ (18.3 cu.yd) spade nose bucket and additional counterweight.
*8 : Install the counterweight for log & fork attachments.
*9 : Boom length 3850 mm (12'8")



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Unit: $m^3$ (cu.yd)

| | | | WA700-3 | WA800-3E0 | WA800-3 | WA900-3E0 | WA900-3 | WA1200-6 |
|---|---|---|---|---|---|---|---|---|
| GENERAL PURPOSE BUCKET (STOCKPILE) | | W/B.O.C | | | | | | |
| | | W/teeth | ○ 9.4 (12.3) | | | | | |
| | | W/segment edge | ○ 9.4 (12.3) | | | | | |
| GENERAL PURPOSE BUCKET (EXCAVATING) | | W/B.O.C | | | | | | |
| | | W/teeth | ○ 8.7 (11.4) | | | | | |
| | | W/segment edge | ○ 8.7 (11.4) | | | | | |
| GENERAL PURPOSE BUCKET FOR HIGH LIFT BOOM (STOCKPILE) | | W/B.O.C | | | | | | |
| | | W/teeth | | | | | | |
| | | W/O teeth | | | | | | |
| GENERAL PURPOSE BUCKET (EXCAVATING) FOR HIGH LIFT STRAIGHT EDGE | | W/B.O.C | | | | | | |
| | | W/teeth | | | | | | |
| | | W/segment edge | | | | | | |
| LOOSE MATERIAL BUCKET | | W/B.O.C | | | | | | |
| | | BARE | | | | | | |
| LIGHT MATERIAL BUCKET | | W/B.O.C | | | | | | |
| | | BARE | | | | | | |
| SPADE NOSE ROCK BUCKET (V-EDGE) | | W/tip type teeth | ○ 8.7 (11.4) | ○ 11.0 (14.4) | ○ 11.0 (14.4) | ○ 13.0 (17.0) | ○ 13.0 (17.0) | ○ 20.0 (26.2) |
| | | W/O teeth | ○ 8.7 (11.4) | ○ 11.0 (14.4) | ○ 11.0 (14.4) | ○ 13.0 (17.0) | ○ 13.0 (17.0) | ○ 20.0 (26.2) |
| | | W/segment edge | | | | | | |
| SPADE NOSE STOCK PILE | | W/ teeth | | ○ 12.3 (16.1) | ○ 12.3 (16.1) | | | |
| | | W/B.O.C | | ○ 11.0 (14.4) | ○ 11.0 (14.4) | | | |
| SPADE NOSE ROCK BUCKET (V-EDGE) FOR HIGH LIFT BOOM | | W/tip type teeth | | ○ 10.0 (13.1) | ○ 10.0 (13.1) | ○ 11.5 (15.0) | ○ 11.5 (15.0) | ○ 18.0 (23.5) |
| | | W/O teeth | | | | | | |
| SPADE NOSE ROCK BUCKET (V-EDGE) FOR LOAD & CARRY SPECS, WITH SHORT ARM. | | Tip type teeth with Weld-on | | ○ | ○ | | | |
| ROCK BUCKET (STRAIGHT EDGE) | | W/teeth | | | | | | |
| | | W/O teeth | | | | | | |
| HEAVY-DUTY ROCK BUCKET (SPADE NOSE) | | W/teeth bolt on segments | ○ 8.7 (11.4) | ○ 11.0 (14.4) | ○ 11.0 (14.4) | | | |
| | | W/O teeth | | | | | | |
| COAL BUCKET | | | | | ○ 20.5 (26.8) | | | ○ 35.0 (45.8) |
| HIGH LIFT BOOM | | | | ○ *5 | ○ *5 | ○ | ○ | ○ |
| SHORT BOOM | | | | | | | | |
| SHORT BOOM | For load & carry specs. | | | ○ *7 | ○ *7 | | | |
| | For stone handling specs. | | | | | | | |
| BOC(BOLT ON CUTTING EDGE) | | | | | | | | |
| BOC, LONG LIFE | | | | | | | | |
| SEGMENT EDGE | | | | | | | | |
| TEETH | Bolt-on teeth | | | | | | | |
| | Bolt-on teeth for long life | | | | | | | |
| | Bolt-on teeth for limestone | | | | | | | |
| | Tip type bolt on | | | | | | | |
| | Tip type teeth for semi-long | | | ○ | ○ | ○ | ○ | |
| | Tip type weld on | | ○ | ○ | ○ | ○ | ○ | |
| | Tip type weld on (sharp) | | ○ | ○ | ○ | ○ | ○ | ○ |
| | Tip type teeth for long life | | | | | ○ | ○ | |
| | Tip type teeth for limestone (sharp) | | ○ | ○ | ○ | ○ | ○ | |
| LOG GRAPPLE | | ○ *8 | | | | | | |
| COUNTER-WEIGHT | Additional | ○ | ○ | ○ | ○ | | | |
| | For log & fork ATT. | ○ | | | | | | |
| | For high lift boom | ○ | | ○ | ○ | ○ | ○ | |
| | For load & carry specs, with short boom | | | ○ | ○ | | | |
| | For stone handling specs,with short boom | | | | | | | |

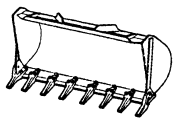
*5 : Install the 10.0 $m^3$ (13.1 cu.yd) bucket and additional counterweight.
*6 : Install the 7.5 $m^3$ (9.8 cu.yd) spade nose bucket and counterweight for load & carry specs.
*7 : Install the 14.0 $m^3$ (18.3 cu.yd) spade nose bucket and additional counterweight.
*8 : Install the counterweight for log & fork attachments.



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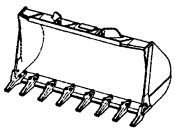
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**1. General Purpose Bucket (Stockpile):**



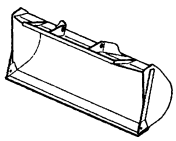
This bucket is used for loading stockpile products, such as crushed rock and construction materials.

**2. General Purpose Bucket (Excavating):**



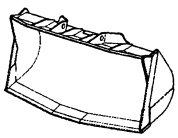
This bucket is used for excavating and loading blasted rock on rock crushing job sites, or for excavating natural ground. It has a flat-blade, straight cutting edge, and provides superior rigidity and wear resistance.

**3. Light Material Bucket:**



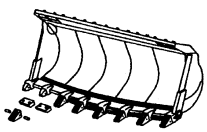
This bucket is used for loading materials with comparatively light specific gravity [below 1.2 t/m$^3$ (2000 lb/cu.yd)], such as snow, fertilizer, and livestock feed. It is based on the general purpose bucket, with a lengthened cutting edge and width to give increased capacity. There is also a large capacity coal bucket for loading loose coal with a specific gravity of below 0.89 t/m$^3$ (1500 lb/cu.yd).

**4. Spade-nose Rock Bucket (V-edge type):**



This bucket is used for excavating and loading blasted rock on rock crushing job sites. It has a pointed cutting edge, and provides superior rigidity and wear resistance.

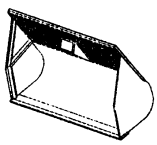
**5. Heavy-duty Bucket:**



This bucket is used for digging and loading blasted rock on rubble mounds and rock crushing job sites. It has 1-class-larger teeth, and a large, thicker wear plate, large corner edge/side guard, and strengthened spill guard.

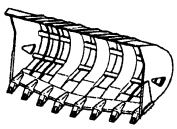
**NOTE:** When installing this bucket on machines other than the WA700 or WA800, to maintain the stability of the machine, please install an additional counterweight and an orifice (or retainer) for reducing the dumping shock of the bucket .

**6. Chip Bucket:**



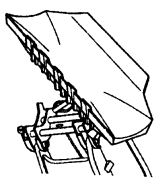
This is a large bucket used for loading loose materials with low specific gravity [below 0.55 t/m$^3$ (930 lb/cu.yd)], such as chips and grain. The back and top are made of a wire mesh to reduce the weight. This bucket can demonstrate its power in bucket operations in the paper-manufacturing business and sawmills.

**7. Skeleton Bucket:**



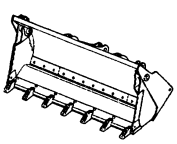
This bucket is used for digging and loading blasted rock on rubble mounds and rock crushing job sites. It has a lattice structure allows it to sift out soil and small rocks, thereby enabling it to select only the rock materials.

**8. Side Dump Bucket:**



This bucket is capable of dumping its load to the front, to one side, or to both sides. These features make it the choice for jobs like tunneling work, road construction or snow clearance, where narrow operating areas restrict maneuverability.

**9. Multi-purpose Bucket:**

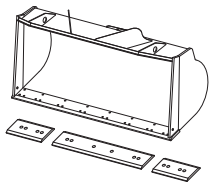


This is a versatile bucket that performs scraping, dozing, scooping and various other tasks in addition to excavating and loading jobs. It is especially suited to leveling work and material transport.


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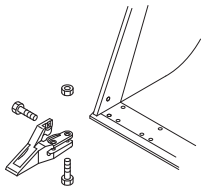

**1. Bolt-on Cutting Edge:**



FVBH0217

This edge is made for use in loading loose sand and soil, or for loading stockpiled materials. It is bolted to the leading edge of general purpose buckets and may be detached and reversed. The cutting edges are manufactured from especially heat treated, high tension steel, and since they are reversible, both edges can be used. This effectively doubles their working life.

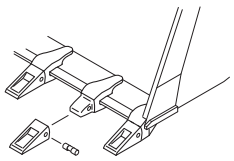
**2. Bolt-on Teeth:**



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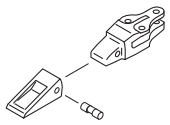
These teeth are suitable for loading or excavation of piles of earth or sand, blasted rock, and jobs in the field that involve digging into the side of slopes. The special heat treated, tensile strength steel alloy used in their production assures that they will wear and have a long service life.

**3. Tip-type Teeth:**



FVBH0219

These teeth tips which are attached to an adapter that is welded or bolted to the bucket edge. This means that an interchangeable part, the tooth tip, absorbs most of the wear and protects the actual bucket edge. They give excellent performance when used to handle blasted rock, piles of earth and similarly heavy duty tasks.



FVBH0220

**4. Tip-type Teeth (Long Life):**

These teeth are larger than the normal teeth and provide an extended wear life, so they are suitable for use on job sites where there is rapid wear.

**5. Tip-type Teeth (Sharp):**

These teeth are sharper than the normal size teeth. They are suitable for work in handling large lumps of soft rock, or for grubbing work.

**6. Bolt-on Teeth or Tip-type Teeth for Limestone:**

These teeth are suitable for excavating or loading soft rock with a low silica content.
(For example, limestone, shale or mudstone with low silica content.)
These teeth are painted white.

**NOTE:** These teeth are not suitable for operation in rock with a high silica content, or with hard rocks. If they are used on such job sites, their life will be reduced. In such cases, use the normal teeth.


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## 1. Hensley teeth

### 1) Features

**Tooth**

- Penetrative ability can be maintained for long period of time by performing the rotation/ reverse.
- Wear resistance is reinforced with "Through-Hard" (hardened entirely).



**Adapter**

- Adapter nose is large and sturdy.
- Shape of the adapter is smoothly round which prevents concentration of stress.





**Tooth lock pin**

- It can be removed and installed easily by using socket wrench.
- It is able to use several times, and economical.











*Locked and open position*

**KMAX is easier**

KMAX is locked with a latch. This ensures the easiest, safest and most secure locking method for a hammer-less system. No prying or special tools are needed. The teeth can be changed quickly and with minimal effort.

Remark: The photo shows the tooth for excavators.



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## 2) Teeth Selection

**Application model**

| Series | | Wheel loaders |
|---|---|---|
| KMAX | XS | STANDARD/HEAVY DUTY |
| | XS04 | WA75-WA100 |
| | XS05 | WA120-WA180 |
| | XS10 | WA200 |
| K15 | XS15 | WA250-WA380 |
| K20 | XS20 | WA400-WA450 |
| K25 | XS25 | WA500 |
| K30 | XS30 | WA260-1 |
| K40 | XS40 | WA600 |
| K50 | XS50 | WA600 |
| K70 | XS70 | WA700 |
| K85 | XS85 | WA700-WA800 |
| | XS115 | WA800-WA900 |
| | XS145 | WA1200 |

**KMAX and XS teeth**

**AG**



**Abrasion:**
High abrasion

**RP1**



**Rock penetrator:**
Good bottom wear and penetration

**RP2**



**Rock Penetrator:**
Greater bottom wear and penetration

**ABR**



**Heavy Abrasion:**
Maximum bottom wear material

**BPS**



**General Purpose:**
General applications

**RPX**



**Rock Penetrator Heavy:**
Offers more material for longer wear life

## 2. KVX teeth system

### 1) Features

KVX GET is a "system", where the lip and other GET components work together to bring you unique benefits:



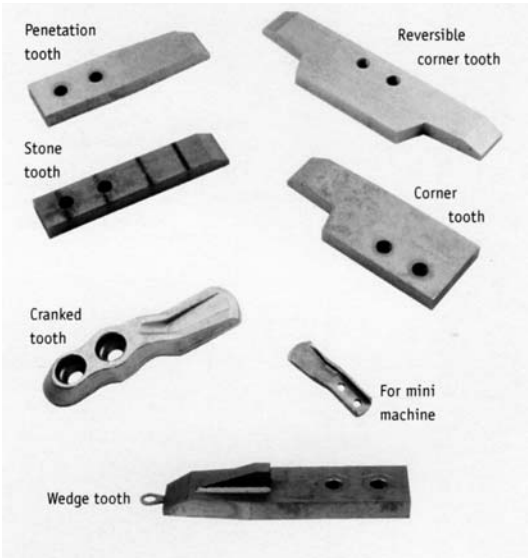
1. **Recessed bolt heads mean:**
   - better penetration & roductivty
   - less hang-ups during dumping
   - no exposed nuts inside the bucket
2. **Threaded lip and/or GET components mean:**
   - positive retention throughout wear life
   - more useable wear material (no mounts or plough bolt heads to wear off)
   - elimination of troublesome nuts, washers, lock or retainers
3. **KVX bolts mean:**
   - far superior GET retention than both plough bolt systems & pinned/locked systems
   - high strength, enhancing impact resistance & allowing fitment of longer-life components which protrude further in front of the lip than conventional bolt or pin/lock systems can retain
4. **Flat faced components mean up to 100% useable steel!**
   - after use as a GET components, competitive shrouds, adapters & teeth are discarded as scrap (often more than 50% "throw-away"). In contrast, KVX's "flat" GET components are re-used as wear & impact liners elsewhere in the mining operation, saving you money on alterative wear products
5. **Adapterless & retainerless KVX design means:**
   - no adapters, retainers or profile bars to repair or replace
   - no adapter, mount or profile bar welding
   - almost zero risk of GET loss
   - less risk of significant repair and downtime related to site costs due to lost GET parts damaging other plant
   - excellent protection for underside of lip & bucket (minimal bucket underside wear)
   - thinner frontal GET/lip profile for superior productivity and fuel efficiency plus less wheel spin
6. **Sagitta steel means:**
   - longer GET life than typical castings (due to toughness, hardness and available steel)
   - fewer change-outs and less bucket & GET Maintenance
   - superior reliability


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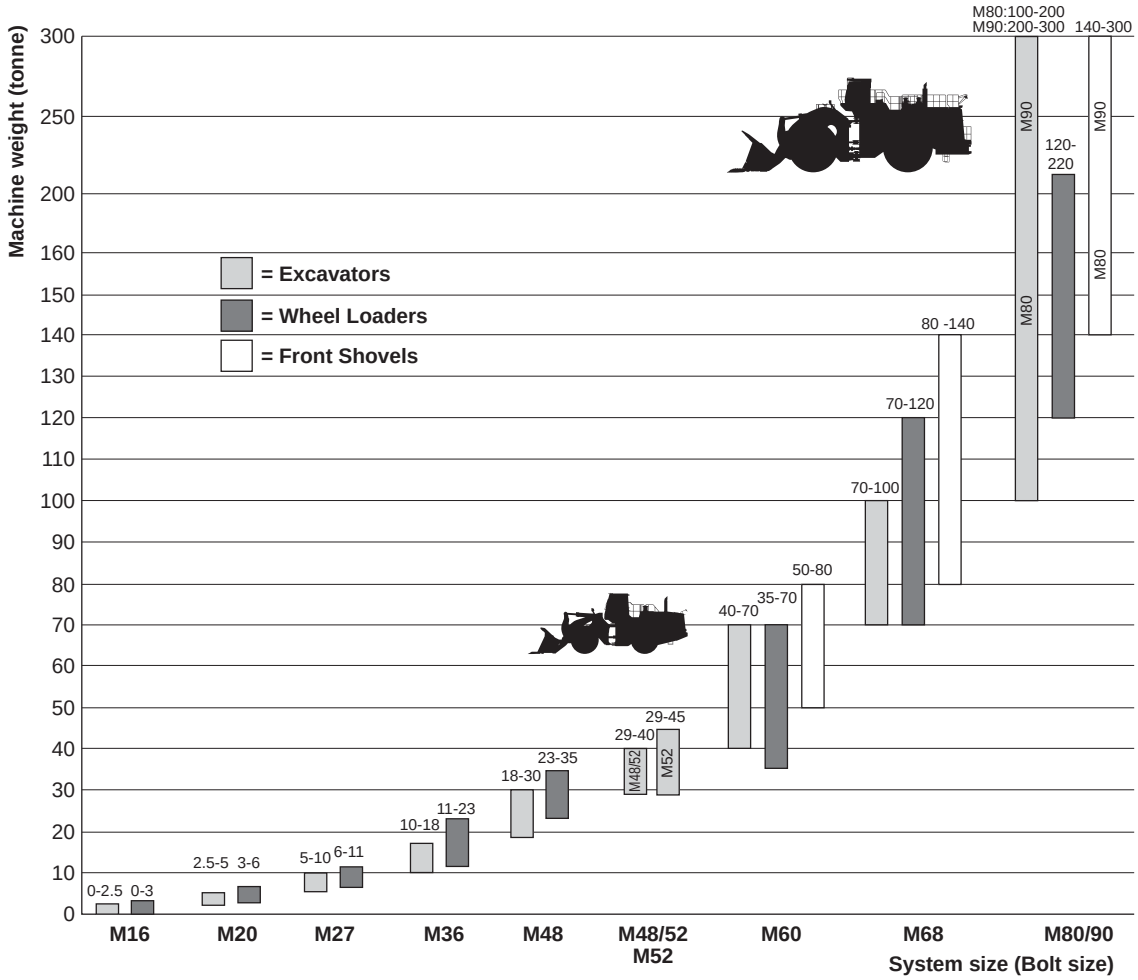
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## 2) Teeth selection




### How to select the right KVX system




The graph indicates the recommended KVX system based on machine weight.

If in doubt, choose the lager system.

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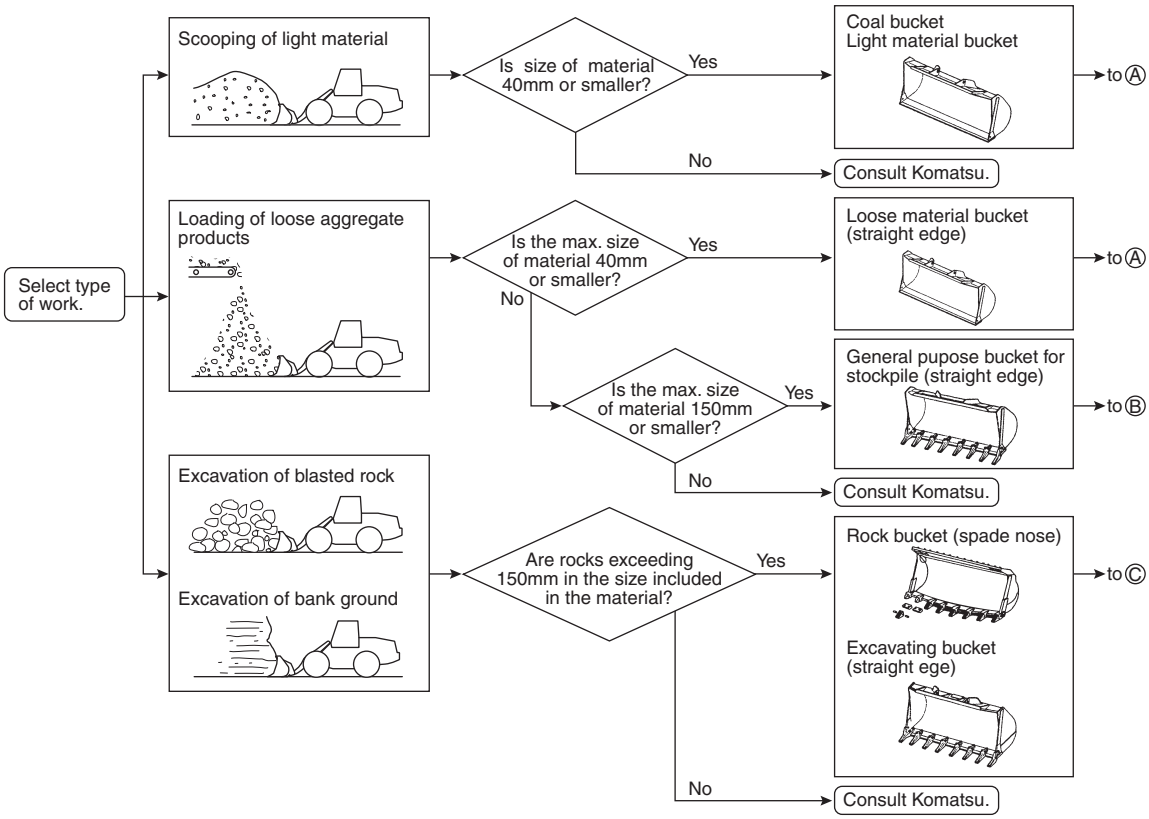


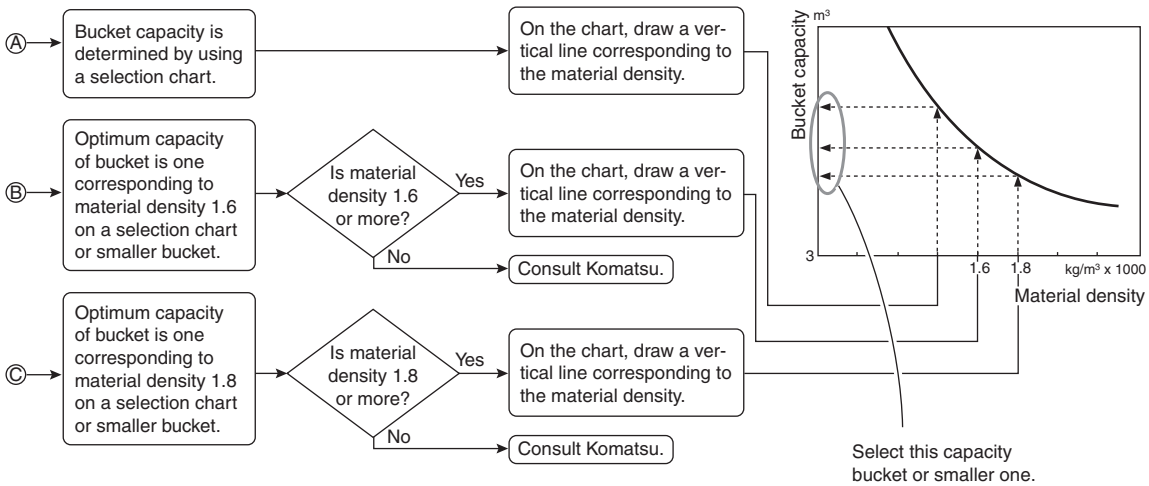
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## BUCKET SELECTION GUIDE FOR WHEEL LOADER

The optimum bucket type and capacity are determined in consideration of the "type of work" and the "operational stability".





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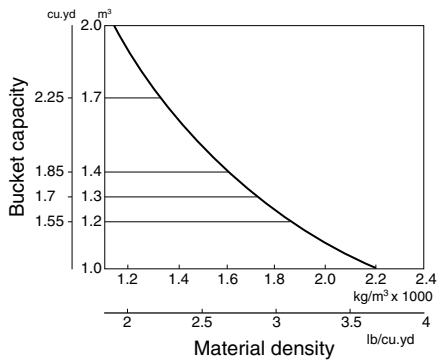

**Bucket selection for wheel loader**

The appropriate bucket capacity for each model is determined in relation with the density of material that the bucket carries.

The graphs are shown for the models WA120-3. The capacity of the currently available buckets for each model are shown there. Komatsu can develop other sizes of buckets according to these graphs, if it is requested through a distributor.

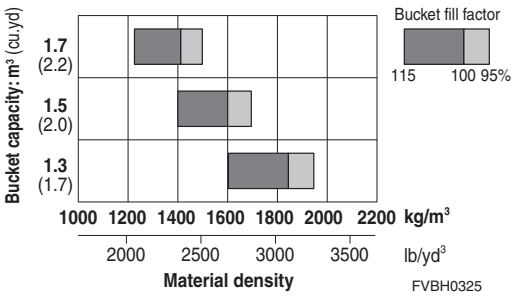
Bucket capacity in the graphs means SAE heaped capacity (Calculation method indicated on page 3A-130). The line in the graph shows the case when the bucket fill factor is 100%.

**WA120-3**



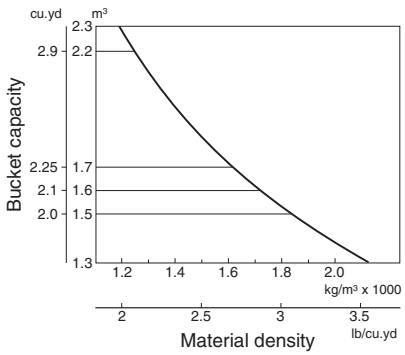

| | | Capacity Heaped m³ (cu.yd) | Struck |
|---|---|---|---|
| I | General-purpose bucket with bolt-on cutting edge; (Loading and excavating of soil, sand and variety of other commonly handled materials) | 1.4 (1.85) | 1.2 (1.55) |
| II | General-purpose bucket with teeth | 1.3 (1.7) | 1.1 (1.45) |
| III | Excavating bucket with bolt-on cutting edges | 1.2 (1.55) | 1.0 (1.3) |
| IV | Excavating bucket with teeth; (Loading and excavating of crushed rock and blasted rock) | 1.2 (1.55) | 1.0 (1.3) |
| V | Light material bucket with bolt-on cutting edges; (A lighter-weight, large-capacity bucket) | 1.7 (2.25) | 1.5 (1.95) |

**WA150-6, WA150-5**




| | |
|---|---|
| 1.7 m³ (2.2 cu.yd) | Light Material Bucket (Scooping and loading of light material) |
| 1.5 m³ (2.0 cu.yd) | Stockpile Bucket (Loading and excavating of soil, sand and a variety of other commonly handled material) |
| 1.3 m³ (1.7 cu.yd) | Excavating Bucket (Loading and excavating of crushed or blasted rock) |

**WA180-3**



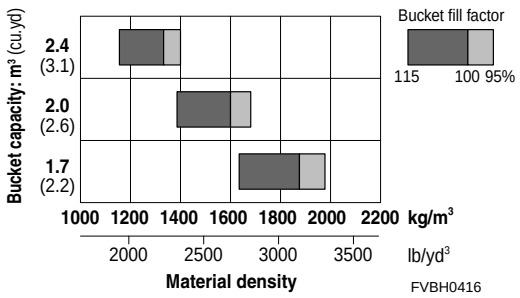

| | | Capacity Heaped m³ (cu.yd) | Struck |
|---|---|---|---|
| I | General-purpose bucket with bolt-on cutting edge; (Loading and excavating of soil, sand and variety of other commonly handled materials) | 1.7 (2.25) | 1.4 (1.85) |
| II | General-purpose bucket with teeth | 1.6 (2.1) | 1.3 (1.7) |
| III | Excavating bucket with bolt-on cutting edges | 1.5 (2.0) | 1.3 (1.7) |
| IV | Excavating bucket with teeth; (Loading and excavating of crushed rock and blasted rock) | 1.5 (2.0) | 1.2 (1.55) |
| V | Light material bucket with bolt-on cutting edges; (A lighter-weight, large-capacity bucket) | 2.2 (2.9) | 1.9 (2.5) |


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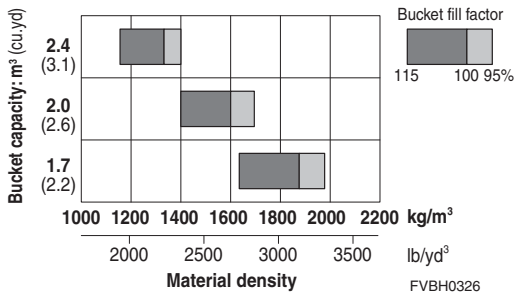


## WA200-6



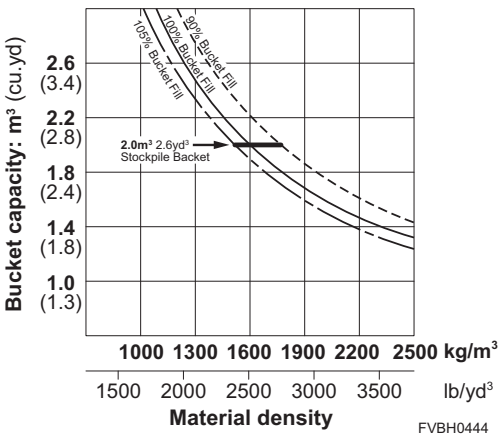

| | |
|---|---|
| 2.4 m³ (3.1 cu.yd) | Light Material Bucket (Scooping and loading of light material) |
| 2.0 m³ (2.6 cu.yd) | Stockpile Bucket (Loading and excavating of soil, sand and a variety of other commonly handled material) |
| 1.7 m³ (2.2 cu.yd) | Excavating Bucket (Loading and excavating of crushed or blasted rock) |

## WA200-5



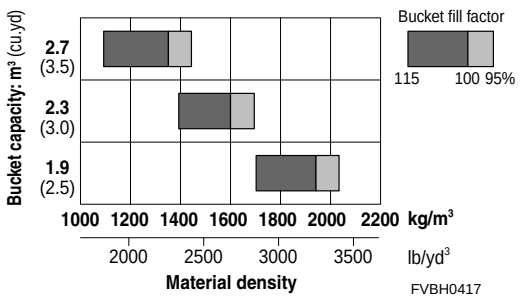

| | |
|---|---|
| 2.4 m³ (3.1 cu.yd) | Light Material Bucket (Scooping and loading of light material) |
| 2.0 m³ (2.6 cu.yd) | Stockpile Bucket (Loading and excavating of soil, sand and a variety of other commonly handled material) |
| 1.7 m³ (2.2 cu.yd) | Excavating Bucket (Loading and excavating of crushed or blasted rock) |

## WA200PZ-6




| | |
|---|---|
| 2.0 m³ (2.6 cu.yd) | Stockpile Bucket (Loading and excavating of soil, sand and a variety of other commonly handled material) |

## WA250-6




| | |
|---|---|
| 2.7 m³ (3.5 cu.yd) | Light Material Bucket (Scooping and loading of light material) |
| 2.3 m³ (3.0 cu.yd) | Stockpile Bucket (Loading and excavating of soil, sand and a variety of other commonly handled material) |
| 1.9 m³ (2.5 cu.yd) | Excavating Bucket (Loading and excavating of crushed or blasted rock) |

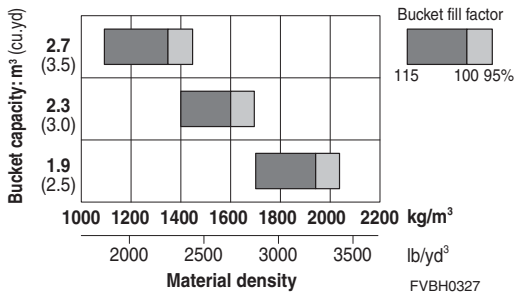


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## WA250-5

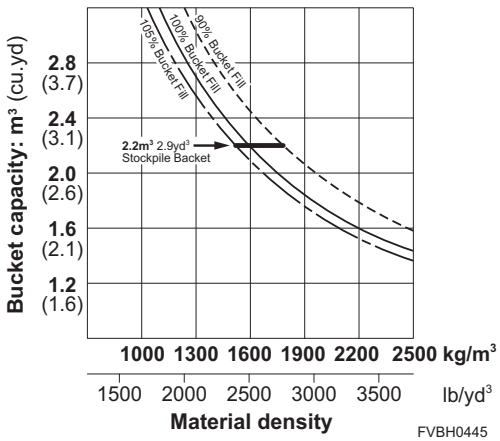



2.7 m³ (3.5 cu.yd) — Light Material Bucket (Scooping and loading of light material)

2.3 m³ (3.0 cu.yd) — Stockpile Bucket (Loading and excavating of soil, sand and a variety of other commonly handled material)

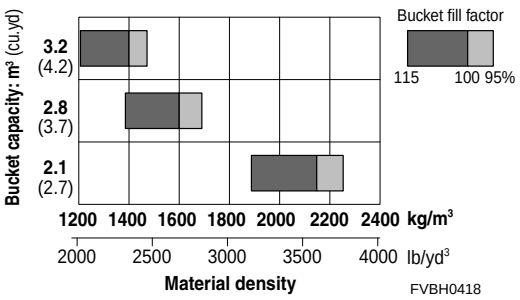
1.9 m³ (2.5 cu.yd) — Excavating Bucket (Loading and excavating of crushed or blasted rock)

## WA250PZ-6




2.2 m³ (2.9 cu.yd) — Stockpile Bucket (Loading and excavating of soil, sand and a variety of other commonly handled material)

## WA320-6

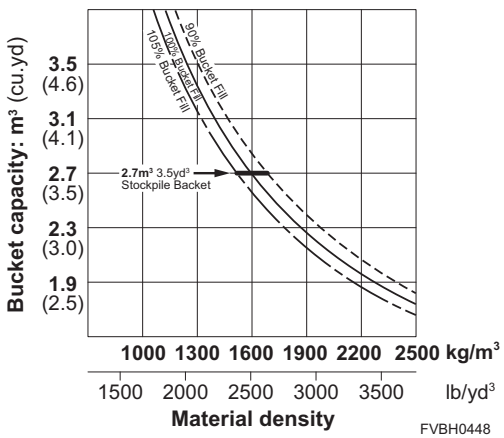



3.2 m³ (4.2 cu.yd) — Light Material Bucket with B.O.C. (Scooping and loading of light material)

2.8 m³ (3.7 cu.yd) — Stockpile Bucket with B.O.C. (Loading and excavating of soil, sand and a variety of other commonly handled material)

2.1 m³ (2.7 cu.yd) — Excavating Bucket with Teeth (Loading and excavating of crushed or blasted rock)

## WA320PZ-6




2.7 m³ (3.5 cu.yd) — Stockpile Bucket (Loading and excavating of soil, sand and a variety of other commonly handled material)

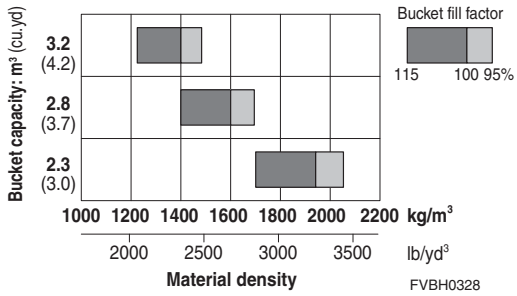


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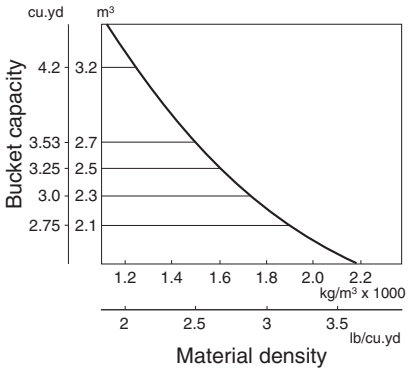


## WA320-5



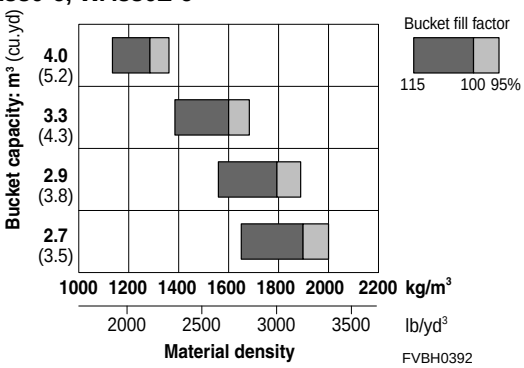

| | |
|---|---|
| 3.2 m³ (4.2 cu.yd) | Light Material Bucket (Scooping and loading of light material) |
| 2.8 m³ (3.7 cu.yd) | Stockpile Bucket (Loading and excavating of soil, sand and a variety of other commonly handled material) |
| 2.3 m³ (3.0 cu.yd) | Excavating Bucket (Loading and excavating of crushed or blasted rock) |

## WA320-3 CUSTOM



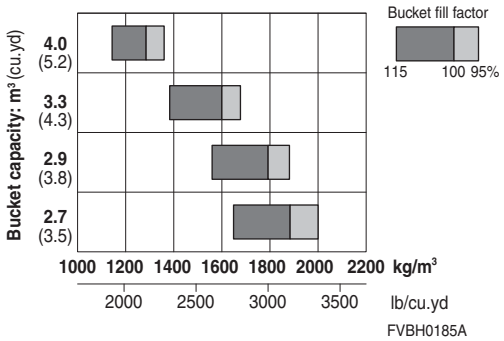

| | | Capacity Heaped m³ (cu.yd) | Struck |
|---|---|---|---|
| I | General-purpose bucket with bolt-on cutting edge; (Loading and excavating of soil, sand and variety of other commonly handled materials) | 2.7 (3.53) | 2.3 (3.01) |
| II | General-purpose bucket with teeth | 2.5 (3.0) | 1.95 (2.55) |
| III | Excavating bucket with bolt-on cutting edges | 2.3 (3.0) | 1.95 (2.55) |
| IV | Excavating bucket with teeth (Loading and excavating of crushed rock and blasted rock) | 2.1 (2.75) | 1.8 (2.35) |
| V | Light material bucket with bolt-on cutting edges; (A lighter-weight, large-capacity bucket) | 3.2 (4.2) | 2.8 (3.7) |

## WA380-6, WA380Z-6




| | |
|---|---|
| 4.0 m³ (5.2 cu.yd) | Light Material Bucket with B.O.C. (Scooping and loading of light material) |
| 3.3 m³ (4.3 cu.yd) | General Purpose Bucket with B.O.C. (Loading and excavating of soil, sand and a variety of other commonly handled material) |
| 2.9 m³ (3.8 cu.yd) | Excavating Bucket with B.O.C. Excavating Bucket with Teeth and Segment Edge (Loading and excavating of crushed or blasted rock) |
| 2.7 m³ (3.5 cu.yd) | Excavating Bucket with Teeth (Loading and excavating of blasted rock) |

## WA380-5




| | |
|---|---|
| 4.0 m³ (5.2 cu.yd) | Light Material Bucket with B.O.C. (Scooping and loading of light material) |
| 3.3 m³ (4.3 cu.yd) | General Purpose Bucket with B.O.C. (Loading and excavating of soil, sand and a variety of other commonly handled material) |
| 2.9 m³ (3.8 cu.yd) | Excavating Bucket with B.O.C. Excavating Bucket with Teeth and Segment Edge (Loading and excavating of crushed or blasted rock) |
| 2.7 m³ (3.5 cu.yd) | Excavating Bucket with Teeth (Loading and excavating of blasted rock) |

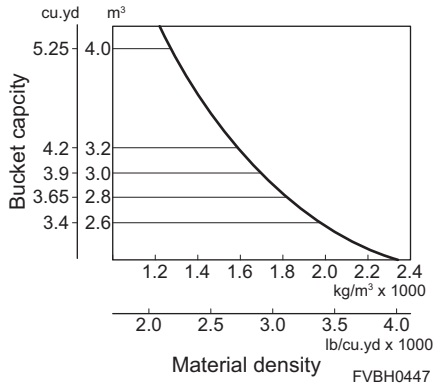


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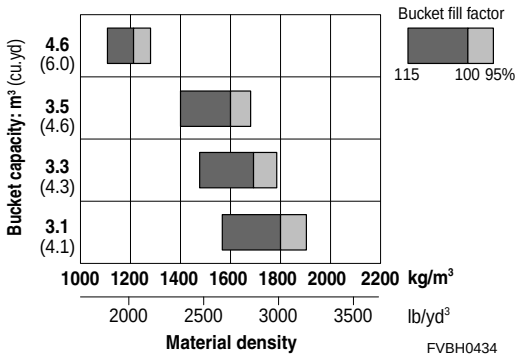


## WA380-3



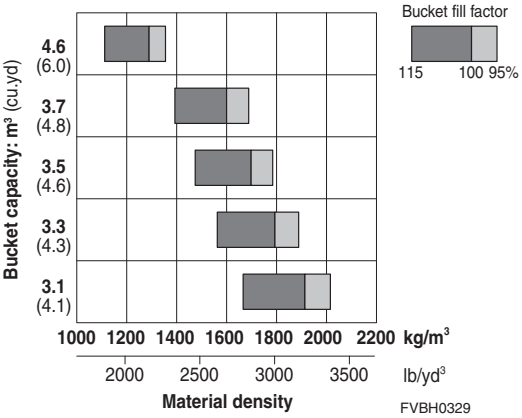

| | | Capacity Heaped m³ (cu.yd) | Struck |
|---|---|---|---|
| I | General-purpose bucket with bolt-on cutting edge; (Loading and excavating of soil, sand and variety of other commonly handled materials) | 3.2 (4.2) | 2.7 (3.55) |
| II | General-purpose bucket with teeth | 3.0 (3.9) | 2.6 (3.9) |
| III | Excavating bucket with bolt-on cutting edges | 2.8 (3.65) | 2.35 (3.07) |
| IV | Excavating bucket with teeth; (Loading and excavating of crushed rock and blasted rock) | 2.6 (3.4) | 2.2 (2.9) |
| V | Light material bucket with bolt-on cutting edges; (A lighter-weight, large-capacity bucket) | 4.0 (5.25) | 3.4 (4.45) |

## WA430-6




| | |
|---|---|
| 4.6 m³ (6.0 cu.yd) | Light Material Bucket with B.O.C. (Scooping and loading of light material) |
| 3.5 m³ (4.6 cu.yd) | General Purpose Bucket with B.O.C. (Loading and excavating of soil, sand and a variety of other commonly handled material) |
| 3.3 m³ (4.3 cu.yd) | Excavating Bucket with B.O.C. Excavating Bucket with Teeth and Segment Edge (Loading and excavating of crushed or blasted rock) |
| 3.1 m³ (4.1 cu.yd) | Excavating Bucket with Teeth (Loading and excavating of blasted rock) |

## WA430-5




| | |
|---|---|
| 4.6 m³ (6.0 cu.yd) | Light Material Bucket with B.O.C. (Scooping and loading of light material) |
| 3.7 m³ (4.8 cu.yd) | General Purpose Bucket with B.O.C. (Loading of crushed stone and dry sand) |
| 3.5 m³ (4.6 cu.yd) | General Purpose Bucket with Teeth (Loading and excavating of soil, sand and a variety of other commonly handled material) |
| 3.3 m³ (4.3 cu.yd) | Excavating Bucket with B.O.C. Excavating Bucket with Bolt-on Teeth and Segments (Loading or excavating of blasted rock) |
| 3.1 m³ (4.1 cu.yd) | Excavating Bucket with Teeth Rock Bucket with Teeth (Spade Nose) (Loading or excavating of blasted rock) |

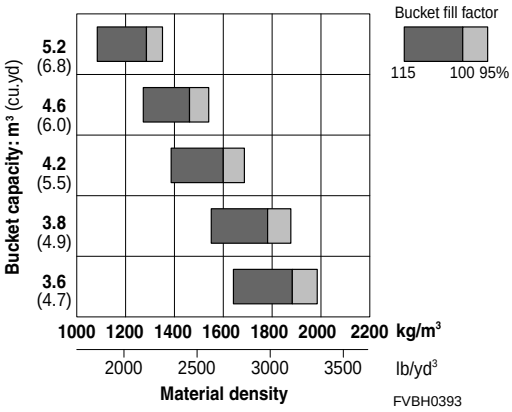


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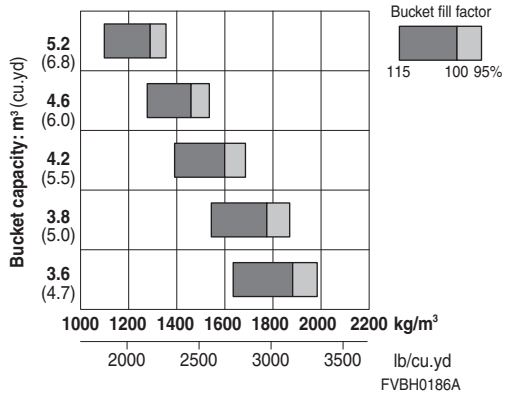


## WA470-6



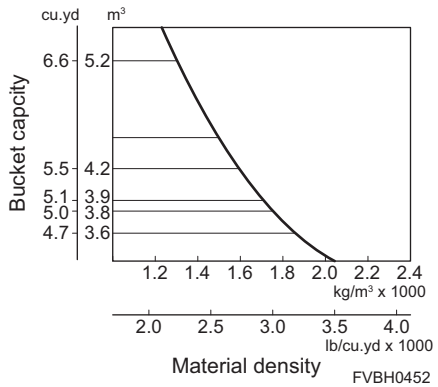

| | |
|---|---|
| 5.2 m³ (6.8 cu.yd) | Light Material Bucket with B.O.C. (Scooping and loading of light material) |
| 4.6 m³ (6.0 cu.yd) | Loose Material Bucket with B.O.C. (Loading of crushed stone and dry sand) |
| 4.2 m³ (5.5 cu.yd) | Stockpile Bucket with B.O.C. (Loading and excavating of soil, sand and a variety of other commonly handled material) |
| 3.8 m³ (5.0 cu.yd) | Excavating Bucket with B.O.C. Excavating Bucket with Teeth and Segment Edge (Loading and excavating of crushed or blasted rock) |
| 3.6 m³ (4.7 cu.yd) | Excavating Bucket with Teeth Rock Bucket with Teeth (Spade Nose) (Loading and excavating of blasted rock) |

## WA470-5




| | |
|---|---|
| 5.2 m³ (6.8 cu.yd) | Light Material Bucket with B.O.C. (Scooping and loading of light material) |
| 4.6 m³ (6.0 cu.yd) | Loose Material Bucket with B.O.C. (Loading of crushed stone and dry sand) |
| 4.2 m³ (5.5 cu.yd) | Stockpile Bucket with B.O.C. (Loading and excavating of soil, sand and a variety of other commonly handled material) |
| 3.8 m³ (5.0 cu.yd) | Excavating Bucket with B.O.C. Excavating Bucket with Teeth and Segment Edge (Loading and excavating of crushed or blasted rock) |
| 3.6 m³ (4.7 cu.yd) | Excavating Bucket with Teeth Rock Bucket with Teeth (Spade Nose) (Loading and excavating of blasted rock) |

## WA470-3




| | | Capacity Heaped m³ (cu.yd) | Struck |
|---|---|---|---|
| I | General-purpose bucket with bolt-on cutting edge; (Loading and excavating of soil, sand and variety of other commonly handled materials) | 4.2 (5.5) | 3.6 (4.7) |
| II | General-purpose bucket with teeth | 3.9 (5.1) | 3.4 (4.45) |
| III | Excavating bucket with bolt-on cutting edges | 3.8 (5.0) | 3.3 (4.3) |
| IV | Excavating bucket with teeth; (Loading and excavating of crushed rock and blasted rock) | 3.6 (4.7) | 3.1 (4.05) |
| V | Light material bucket with bolt-on cutting edges; (A lighter-weight, large-capacity bucket) | 5.2 (6.8) | 4.5 (5.9) |
| VI | Rock bucket with teeth; (Spade nose). (Loading and excavating of blasted rock) | 3.5 (4.6) | 3.0 (3.9) |

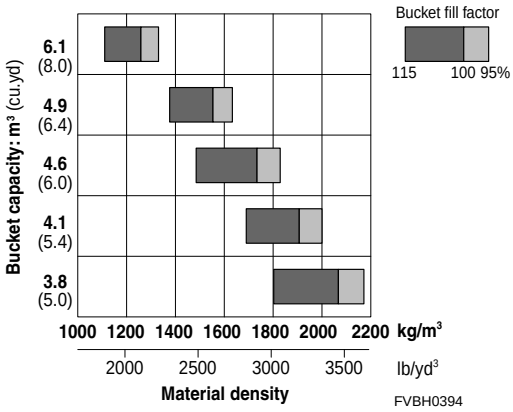


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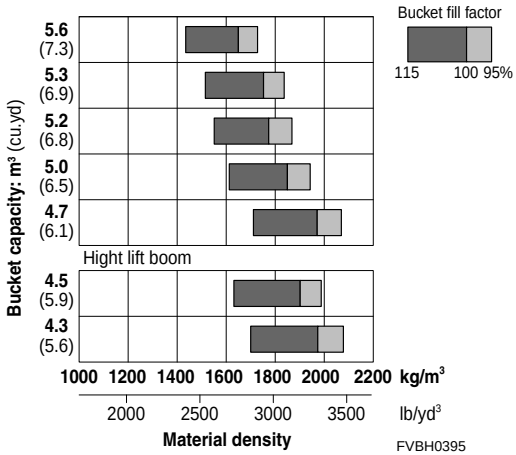


## WA480-6



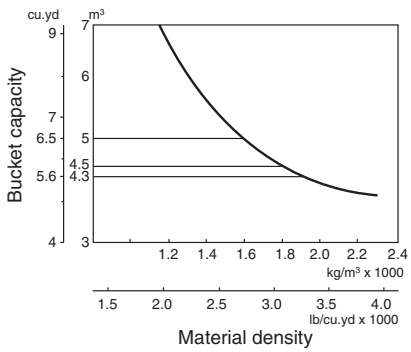

| | |
|---|---|
| 6.1 m³ (8.0 cu.yd) | Light Material Bucket with B.O.C. (Loading of light material) |
| 4.9 m³ (6.4 cu.yd) | Loose Material Bucket with B.O.C. (Loading of crushed stone and dry sand) |
| 4.6 m³ (6.0 cu.yd) | Stockpile Bucket with B.O.C. (Loading and excavating of soil, sand and a variety of other commonly handled material) |
| 4.1 m³ (5.4 cu.yd) | Excavating Bucket with B.O.C. Excavating Bucket with Teeth and Segment Edge (Loading and excavating of crushed or blasted rock) |
| 3.8 m³ (5.0 cu.yd) | Excavating Bucket with Teeth (Loading and excavating of blasted rock) |

## WA500-6, WA500-6R




| | |
|---|---|
| 5.1 m³ (6.7 cu.yd) | General Purpose Bucket with B.O.C. |
| 5.3 m³ (6.9 cu.yd) | Excavating Bucket with Teeth |
| 5.2 m³ (6.8 cu.yd) | Excavating Bucket with B.O.C. Excavating Bucket with Teeth and Segments |
| 5.0 m³ (6.5 cu.yd) | Excavating Bucket with Teeth Rock Bucket with Teeth and Segments (Spade Nose) |
| 4.7 m³ (6.1 cu.yd) | Rock Bucket with Teeth (Spade Nose) |
| 4.5 m³ (5.9 cu.yd) | Excavating Bucket with B.O.C. Excavating Bucket with Teeth and Segments |
| 4.3 m³ (5.6 cu.yd) | Excavating Bucket with Teeth |

## WA500-3




| | | Capacity Heaped m³ (cu.yd) | Struck |
|---|---|---|---|
| I | Excavating bucket (straight edge) with teeth | 4.3 (5.6) | 3.6 (4.7) |
| II | Excavating bucket (spade nose) with teeth and segment edge | 4.5 (5.9) | 4.1 (5.4) |
| III | General-purpose bucket with bolt on cutting edge without teeth ; Loading stockpile products | 5.0 (6.5) | 4.6 (6.0) |

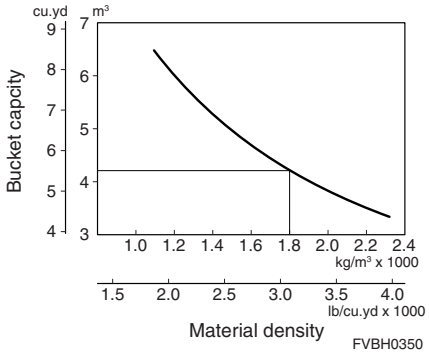


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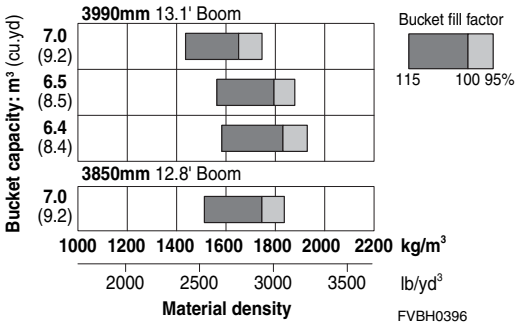


## WA500-3 (High-lift)



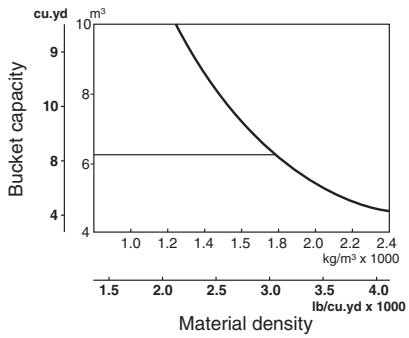

| | | Capacity Heaped $m^3$ (cu.yd) | Struck |
|---|---|---|---|
| I | Excavating bucket (straight edge) with teeth | 4.2 (5.6) | 3.6 (4.8) |

## WA600-6, WA600-6R



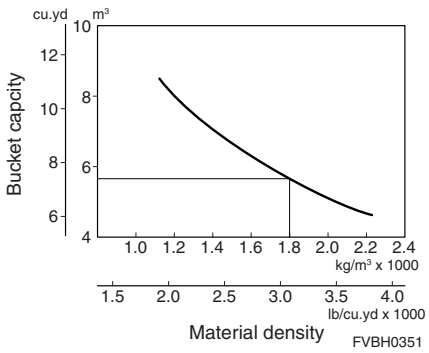

| | |
|---|---|
| 7.0 $m^3$ (9.2 cu.yd) | Stockpile Bucket with Teeth and weld on Segment edges |
| 6.5 $m^3$ (8.5 cu.yd) | Excavating Bucket with Teeth and bolt on Segment edges |
| 6.4 $m^3$ (8.4 cu.yd) | Excavating Bucket with Teeth and weld on Segments edges |
| 7.0 $m^3$ (9.2 cu.yd) | Excavating Bucket with Teeth and bolt or weld on Segments edges |

## WA600-3




| | | Capacity Heaped $m^3$ (cu.yd) | Struck |
|---|---|---|---|
| I | Excavating bucket (straight edge) with tip teeth | 6.1 (8.0) | 5.1 (6.7) |
| II | Excavating bucket (spade nose) with tip teeth | 6.1 (8.0) | 5.1 (6.7) |
| III | Coal bucket (straight edge) | 11.0 (14.4) | 9.5 (12.4) |

## WA600-3 (High-lift)




| | | Capacity Heaped $m^3$ (cu.yd) | Struck |
|---|---|---|---|
| I | Excavating bucket (straight edge) with teeth | 5.6 (7.3) | 4.0 (5.2) |
| II | Excavating bucket (spade nose) with teeth | 5.6 (7.3) | 4.0 (5.2) |

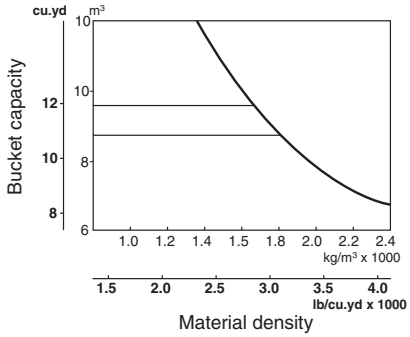


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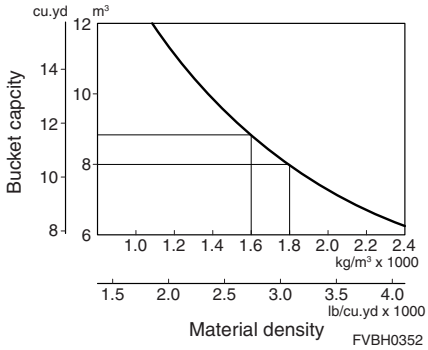


## WA700-3



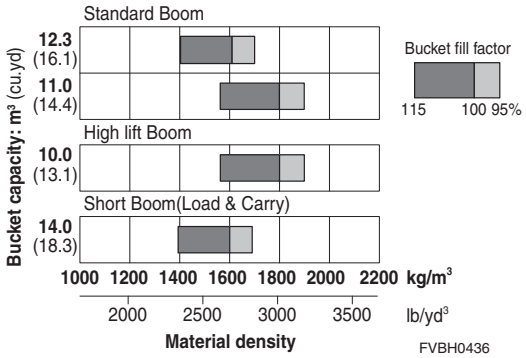

| | | Capacity Heaped m³ (cu.yd) | Struck |
|---|---|---|---|
| I | Excavating bucket (straight edge) without tip teeth | 8.7 (11.4) | 7.6 (9.9) |
| II | Excavating bucket (spade nose) without tip teeth | 8.7 (11.4) | 7.6 (9.9) |
| III | General-purpose bucket (straight edge) without tip teeth | 9.4 (12.3) | 8.2 (10.7) |

## WA700-3 (High-lift)



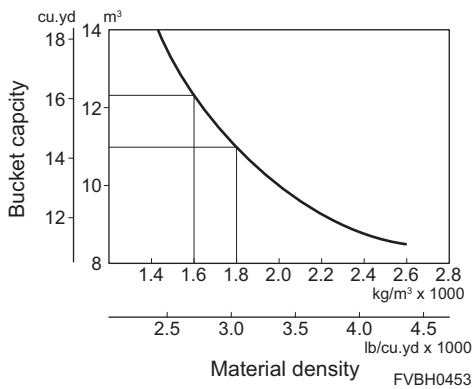

| | | Capacity Heaped m³ (cu.yd) | Struck |
|---|---|---|---|
| I | Excavating bucket (straight edge) with teeth | 8.0 (10.5) | 7.0 (9.2) |
| II | Stock pile bucket (spade nose) with teeth | 8.7 (11.4) | 7.6 (5.2) |

## WA800-3E0




| | |
|---|---|
| 12.3 m³ (16.1 cu.yd) | Stockpile Bucket (spade nose) with teeth |
| 11.0 m³ (14.4 cu.yd) | Excavating Bucket (spade nose) with teeth |
| 10.0 m³ (13.1 cu.yd) | Rock Bucket (spade nose) with teeth |
| 14.0 m³ (18.3 cu.yd) | Bucket for Load & Carry (spade nose) with teeth |

## WA800-3




| | | Capacity Heaped m³ (cu.yd) | Struck |
|---|---|---|---|
| I | Excavating bucket (spade nose) with tip teeth | 11.0 (14.4) | 9.3 (12.2) |
| II | Stockpile (spade nose) with teeth | 12.3 (16.1) | 10.4 (13.6) |

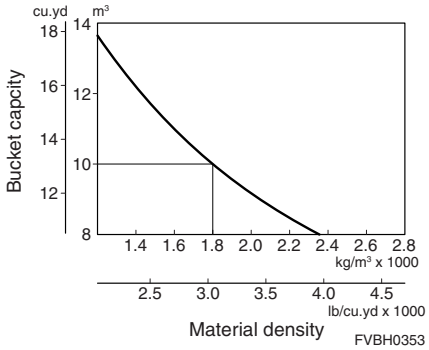


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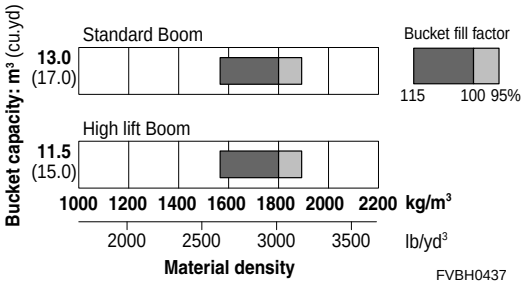


## WA800-3 (High-lift)



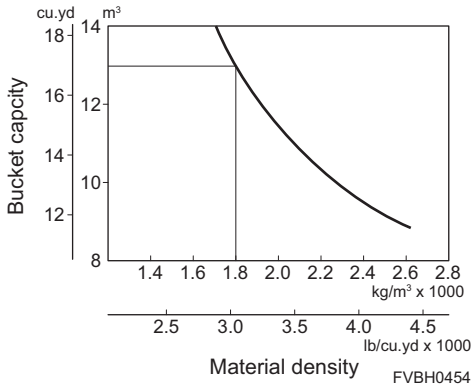

| | | Capacity Heaped m³ (cu.yd) | Struck |
|---|---|---|---|
| I | Excavating bucket (straight edge) with teeth | 10.0 (13.1) | 8.5 (11.1) |

## WA900-3E0



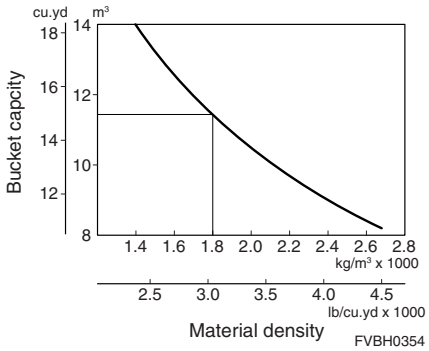

| | | |
|---|---|---|
| 13.0 m³ (17.0 cu.yd) | Excavating Bucket (spade nose) with teeth | |
| 11.5 m³ (15.0 cu.yd) | Rock Bucket (spade nose) with teeth | |

## WA900-3




| | | Capacity Heaped m³ (cu.yd) | Struck |
|---|---|---|---|
| I | Excavating bucket (spade nose) with tip teeth | 13.0 (17.0) | 11.0 (14.4) |

## WA900-3 (High-lift)




| | | Capacity Heaped m³ (cu.yd) | Struck |
|---|---|---|---|
| I | Excavating bucket (straight edge) with teeth | 11.5 (15.0) | 9.7 (12.7) |

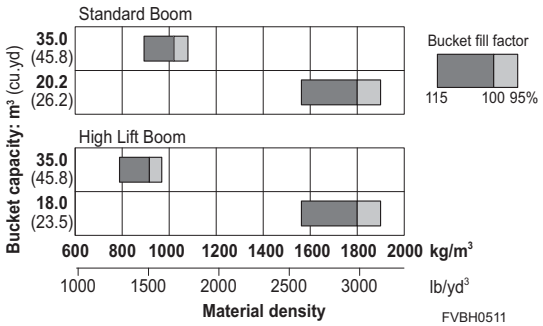


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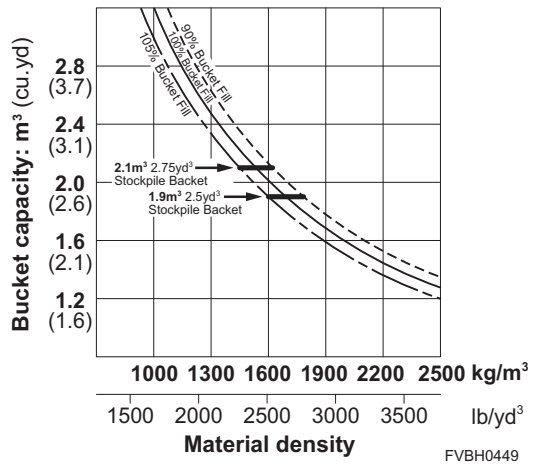


## WA1200-6



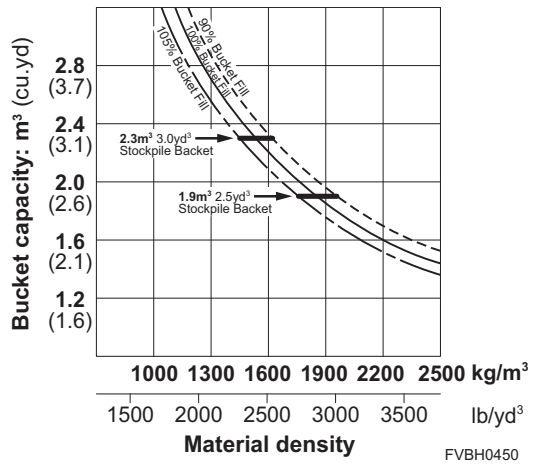

| | |
|---|---|
| 35.0 m³ (45.8 cu.yd) | Coal Bucket (Spade nose without teeth) |
| 20.2 m³ (26.2 cu.yd) | Rock Bucket (Spage nose with teeth) |
| 35.0 m³ (45.8 cu.yd) | Coal Bucket (Spade nose without teeth) |
| 18.0 m³ (23.5 cu.yd) | Rock Bucket (Spage nose with teeth) |

## WA200PZ-6 (for USA)




| | |
|---|---|
| 2.1 m³ (2.75 cu.yd) | Stokpile Bucket with B.O.C. (Loading and excavating of soil, sand and a variety of other commonly handled materials) |
| 1.9 m³ (2.5 cu.yd) | Stokpile Bucket with B.O.C. (Loading and excavating of soil, sand and a variety of other commonly handled materials) |

## WA250PZ-6 (for USA)




| | |
|---|---|
| 2.3 m³ (3.6 cu.yd) | Stokpile Bucket with B.O.C. (Loading and excavating of soil, sand and a variety of other commonly handled materials) |
| 1.9 m³ (2.5 cu.yd) | Stokpile Bucket with B.O.C. (Loading and excavating of soil, sand and a variety of other commonly handled materials) |

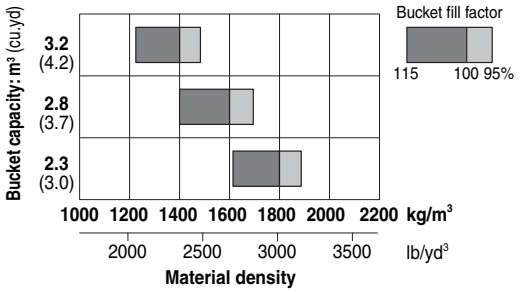


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## WA320-6 (USA source)

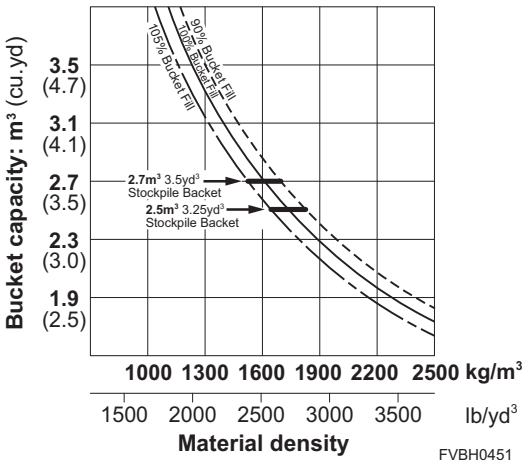



3.2 m³ (4.2 cu.yd) — Light Material Bucke (Scooping and loading of light material)

2.8 m³ (3.7 cu.yd) — Stockpile Bucket with B.O.C. (Loading and excavating of soil, sand and a variety of other commonly handled material)

2.3 m³ (3.0 cu.yd) — Excavating Bucket with B.O.C. (Loading and excavating of crushed or blasted rock)

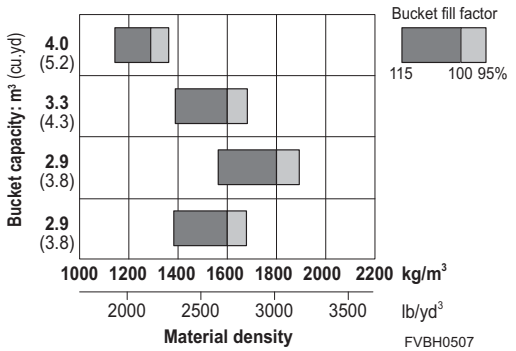
## WA320PZ-6 (for USA)




2.7 m³ (3.5 cu.yd) — Light Material Bucket with B.O.C. (Scooping and loading of light material)

2.5 m³ (3.25 cu.yd) — General Purpose Bucket with B.O.C. (Loading and excavating of soil, sand and a variety of other commonly handled materials)

## WA380-7 (USA source)



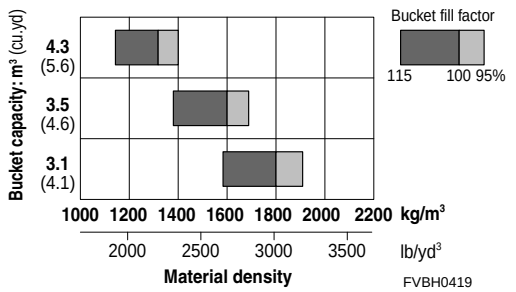

4.0 m³ (5.2 cu.yd) — Light Material Bucket with B.O.C. (Scooping and loading of light material)

3.3 m³ (4.3 cu.yd) — General Purpose Bucket with B.O.C. (Loading and excavating of soil, sand and a variety of other commonly handled materials)

2.9 m³ (3.8 cu.yd) — Excavating Bucket with B.O.C. Excavating Bucket with Teeth and Segment Edge (Loading and excavating of crushed or blasted rock.)

2.9 m³ (3.8 cu.yd) — High Lift Boom Excavating Bucket with B.O.C.

## WA430-6 (USA source)




4.3 m³ (5.6 cu.yd) — Light Material Bucket with B.O.C. (Scooping and loading of light material)

3.5 m³ (4.6 cu.yd) — General Purpose Bucket with B.O.C. (Loading and excavating of soil, sand and a variety of other commonly handled material)

3.1 m³ (4.1 cu.yd) — Excavating Bucket with B.O.C. (Loading and excavating of crushed or blasted rock)

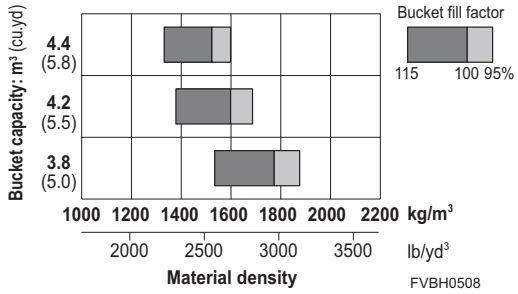


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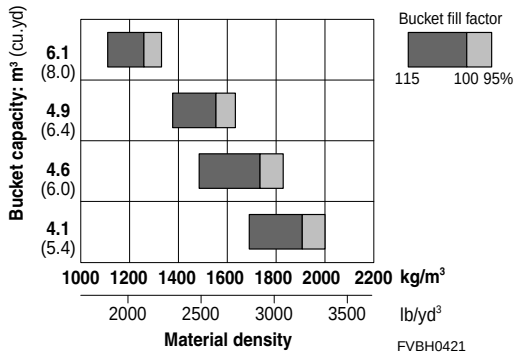


## WA470-7 (USA source)



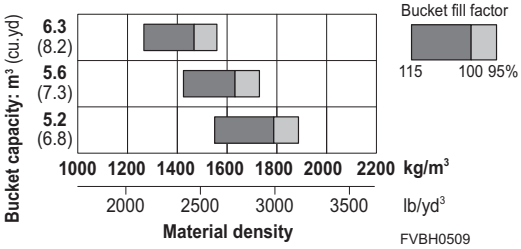

| | |
|---|---|
| 4.4 m³ (5.8 cu.yd) | Loose Material Bucket with B.O.C. |
| 4.2 m³ (5.5 cu.yd) | General Purpose (Loading and excavating of soil, sand and a variety of other commonly handled material) |
| 3.8 m³ (5.0 cu.yd) | Excavating Bucket with B.O.C. (Loading and excavating of crushed or blasted rock) |

## WA480-6 (USA source)



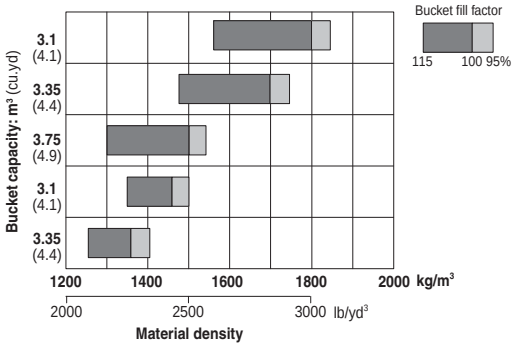

| | |
|---|---|
| 6.1 m³ (8.0 cu.yd) | Light Material Bucket with B.O.C. (Loading of light material) |
| 4.9 m³ (6.4 cu.yd) | Loose Material Bucket with B.O.C. (Loading of crushed stone and dry sand) |
| 4.6 m³ (6.0 cu.yd) | Stockpile Bucket with B.O.C. (Loading and excavating of soil, sand and a variety of other commonly handled material) |
| 4.1 m³ (5.4 cu.yd) | Excavating Bucket with B.O.C. (Loading and excavating of crushed or blasted rock) |

## WA500-7 (USA source)




| | |
|---|---|
| 6.3 m³ (8.2 cu.yd) | Loose Material Bucket with B.O.C.E. |
| 5.6 m³ (7.3 cu.yd) | General Purpose Bucket with B.O.C.E. |
| 5.2 m³ (6.8 cu.yd) | Excavating Bucket with B.O.C.E. Excavating Bucket with teeth & segments (Spade Nose) |

## WA380-7 (for EU)




| | |
|---|---|
| 3.1 m³ (4.1 cu.yd) | Bucket with flat bottom w.teeth |
| 3.35 m³ (4.4 cu.yd) | Bucket with raised botom w.BOC |
| 3.75 m³ (4.9 cu.yd) | Bucket with raised botom w.BOC |
| 3.1 m³ (4.1 cu.yd) | Bucket with flat bottom w.teeth (high-lift mount) |
| 3.35 m³ (4.4 cu.yd) | Bucket with raised bottom w.BOC (hight-lift-mount) |

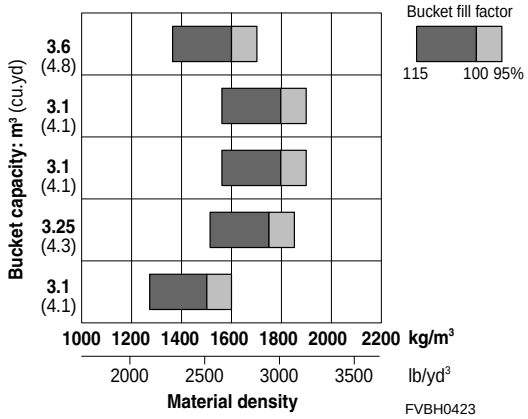


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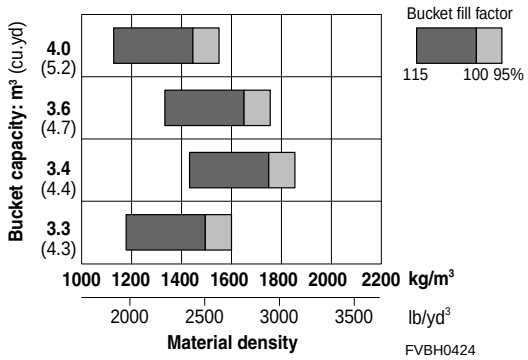


## WA380-6 (Germany source)



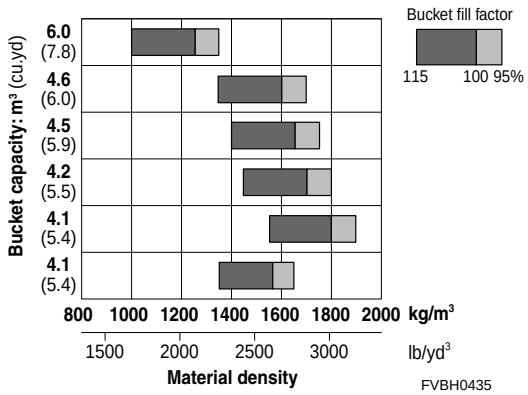

| | |
|---|---|
| 3.6 m³ (4.8 cu.yd) | Stockpile bucket<br>Loading loosened or broken material |
| 3.1 m³ (4.1 cu.yd) | Universal/Earth-moving bucket<br>Ideal for road-building or earthworks, or for load & carry uses |
| 3.1 m³ (4.1 cu.yd) | Heavy-duty bucket<br>Loading and loosening of particularly abrasive materials |
| 3.25 m³ (4.3 cu.yd) | Universal bucket (quick coupler mount)<br>Ideal for road-building or earthworks, or for load & carry uses |
| 3.1 m³ (4.1 cu.yd) | Universal/Earth-moving bucket (high-lift mount)<br>Ideal for road-building or earthworks, or for load & carry uses |

## WA430-6 (Germany source)




| | |
|---|---|
| 4.0 m³ (5.2 cu.yd) | Stockpile bucket<br>Loading loosened or broken material |
| 3.6 m³ (4.7 cu.yd) | Universal/Earth-moving bucket<br>Ideal for road-building or earthworks, or for load & carry uses |
| 3.4 m³ (4.4 cu.yd) | Heavy-duty bucket<br>Loading and loosening of particularly abrasive materials |
| 3.3 m³ (4.3 cu.yd) | Universal/Earth-moving bucket (high-lift mount)<br>Ideal for road-building or earthworks, or for load & carry uses |

## WA470-6 (Germany source)




| | |
|---|---|
| 6.0 m³ (7.8 cu.yd) | Light materials bucket<br>Ideal for industrial use such as loading lightweight recycling materials or wood chips or shavings |
| 4.6 m³ (6.0 cu.yd) | Stockpile bucket<br>Loading loosened or broken material |
| 4.5 m³ (5.9 cu.yd) | Universal/Earth-moving bucket<br>Ideal for road-building or earthworks, or for load & carry uses |
| 4.2 m³ (5.5 cu.yd) | Heavy-duty bucket<br>Loading and loosening of particularly abrasive materials |
| 4.1 m³ (5.4 cu.yd) | Rock bucket<br>Loading blasted and particularly abrasive material |
| 4.1 m³ (5.4 cu.yd) | Universal/Earth-moving bucket (high-lift mount)<br>Ideal for road-building or earthworks, or for load & carry uses |

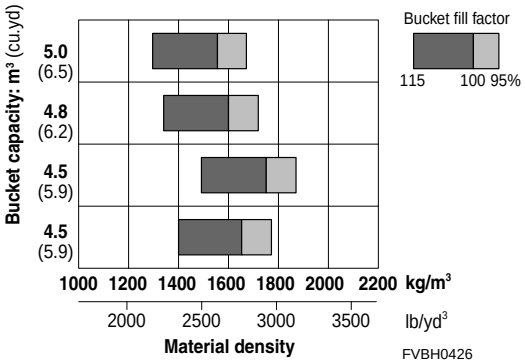


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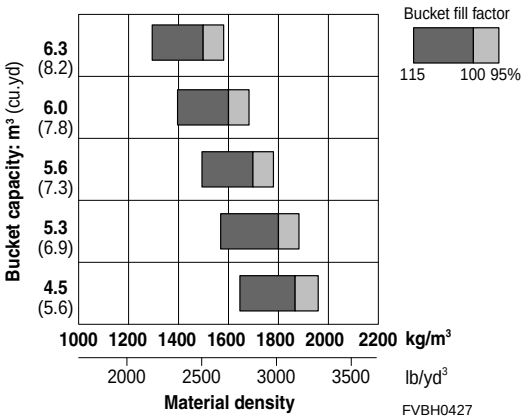


## WA480-6 (Germany source)




| | |
|---|---|
| 5.0 m³ (6.5 cu.yd) | Stockpile bucket<br>Loading loosened or broken material |
| 4.8 m³ (6.2 cu.yd) | Universal/Earth-moving bucket<br>Ideal for road-building or earthworks, or for load & carry uses |
| 4.5 m³ (5.9 cu.yd) | Heavy-duty bucket<br>Loading and loosening of particularly abrasive materials |
| 4.5 m³ (5.9 cu.yd) | Rock bucket<br>Loading and loosening of particularly abrasive materials |

## WA500-6 (Germany source), WA500-7 (for EU)




| | |
|---|---|
| 6.3 m³ (8.2 cu.yd) | Stockpile bucket<br>Loading loosened material |
| 6.0 m³ (7.8 cu.yd) | Stockpile bucket<br>Loading loosened or broken material, or load & carry |
| 5.6 m³ (7.3 cu.yd) | Universal and stockpile bucket<br>Earthworks, broken material or load & carry |
| 5.3 m³ (6.9 cu.yd) | Rock bucket<br>Loading blasted and particularly abrasive material |
| 4.5 m³ (5.6 cu.yd) | Rock bucket<br>Loading blasted and particularly abrasive material in combination with high-lift boom |

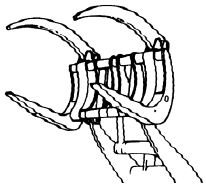


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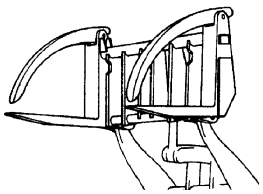


- Log grapple



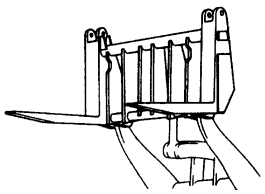
This is a special log attachment for use with logs ranging from small-diameter short logs to large-diameter long logs. Its shape enables it to grip the log well with little rolling shock, and it is designed so that the center of gravity of the log is close to the machine body. This enables the machine to maintain its stability when loading and hauling.

- Log-lumber grapple



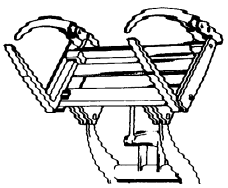
The log-lumber grapple is an all-round tool for log and lumber handling capable of dealing with lumber, long logs of large diameter or short logs of small diameter as well as lumber. However, forks of log-lumber grapple are fixed for strength so it is not suitable for use in forklift operations.

- Log-lumber fork



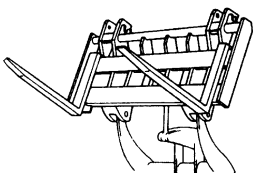
Log-lumber fork has the same features as log-lumber grapple.
This attachment has no top clamps.

- Lumber grapple



The "L" type forks of the lumber fork permit handling of lumber and logs of smaller diameter and shorter length. Clearance between left and right forks is adjustable according to the materials being handled.

- Lumber fork



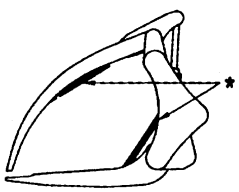
Lumber fork has the same features as lumber grapple.
This attachment has no top clamps.

- Dumping fork



Useful for truck-loading pulpwood from stacks, and for gathering and loading pulpwood into stacks or onto trucks. Also usable in handling logs of smaller diameter and shorter length. A lighter, handy version of log handling attachments. It has no top clamp. It can load logs when tilted back to prevent them rolling over the fork.

- Pipe grapple



This is a log grapple with cushioning material to allow it to handle pipes and similar materials.

* : Cushioning material

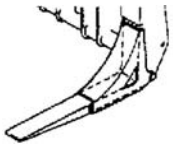


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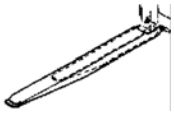


- Rolling gusset



If a rolling gusset is installed to the log lumber fork or log lumber grapple, the rolling shock can be reduced when loading logs.

- Extension fork



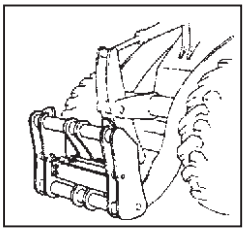
If an extension fork is installed to the lumber fork, the efficiency of handling light materials such as small diameter short logs can be improved.

- Multi-coupler

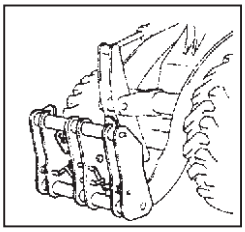
This is an attachment replacement device that makes it possible to speed up the replacement of attachments and reduce the burden on the operator.

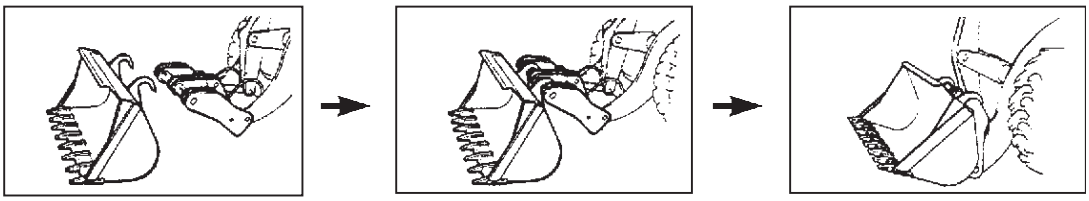
It is possible to remove and install attachments to match the purpose of the work simply when sitting in the operator's seat, thereby greatly reducing time and labor.

**Hydraulic type**



**Mechanical type**







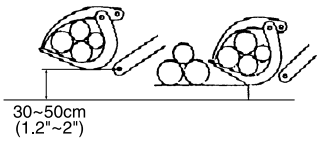
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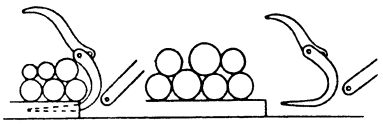
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### A. Scooping

1. Forward the machine to insert forks under piled logs while watching fork tips.
2. Once logs are scooped by forks and tilted back fully, then close the arms.
3. Lift fork 30-50 cm above the ground to carry.

**NOTE:** Use both forks evenly to scoop and grapple the center of logs.



### B. Loading work

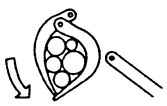
1. Raise booms and forward the machine gradually to the destination while keeping the fork in a full backward tilt.
2. Open clamper arms and unload logs while slowly lowering forks.

   After unloading logs, shift the fork control lever to the "tilt" position and the fork will return automatically to its preset position.

   After closing the arms and reversing the machine, lower the booms.

**NOTE:** When dumping a full load of logs, lower engine revolutions to achieve gradual dumping.

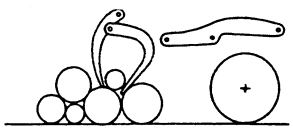
Avoid sudden braking or steering with a full load of logs. When loading onto trucks, be careful forks and logs do not hit the sticks mounted on the truck's body sides.



### C. Log selection work (for loaders with log clamps)

1. Pick-up selection
   1) Open the arms, lower the fork and grab selected logs with fork tips.
   2) Pick up logs by tilting back the fork or raising the booms.

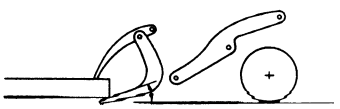
**NOTE:** When picking up a log with fork tips, adjust the tips so they grab the log tightly. More than half of the log's diameter should be grabbed to prevent slippage. Release the arm control lever after arm cylinder is relieved. Logs larger than 40 cm in diameter should be lifted one at a time. Use both forks evenly when grabbing the center of the log.



2. Pull-out selection
   1) Open the arms and dump them at 10°-15°, and grab the end of the selected log lengthwise using the fork tips.
   2) Reversing the machine to pull out selected log without steering.

**NOTE:** Do not lift chosen log higher than required.

Hold the log securely and close arm, then carry it.

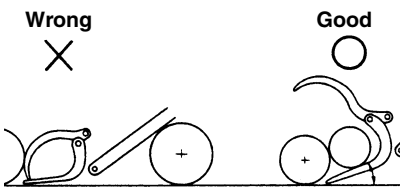


### D. Other operations

1. To push logs, open the clamp arms and push them with the inside of the fork, forming right angles with the logs.

**NOTE:** The dumping angle should be within 20°.

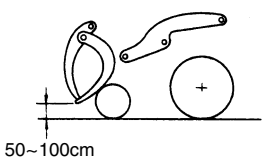
Avoid pushing logs with the front of the closed clamp arms.




2. To retract logs, lower fork and raise fork tips 50-100 cm above the ground, then reverse the machine and retract the logs.

**NOTE:** Do not uproot tree roots with forks.

Dangerous operations, such as throwing grabbed logs for placement in the depth of loading site, should be conducted in open areas and only after the work site has been properly cleared. Do not conduct these operations where damage to the machine or other equipment is possible.

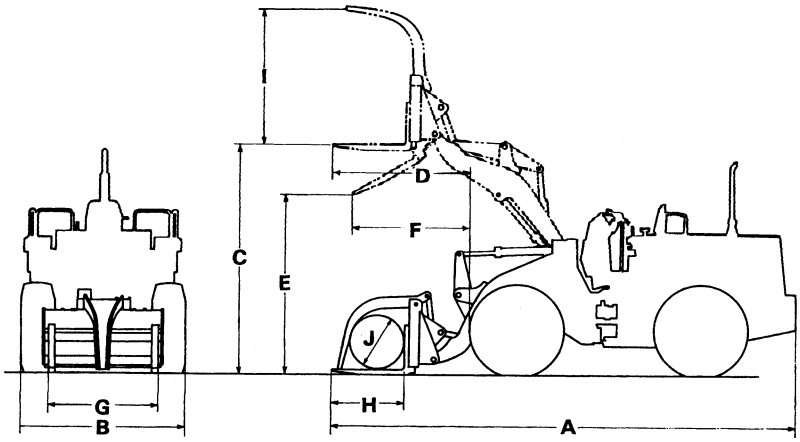




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| Item | Model | WA180-3** | WA250-5** | WA320-5** | |
|---|---|---|---|---|---|
| OPERATING WEIGHT | kg (lb) | 9140 (20,150) | 11330 (24,980) | 14270 (31,470) | |
| A. OVERALL LENGTH | mm (ft.in) | 6910 (22'8") | 7625 (25'0") | 8040 (26'5") | |
| B. OVERALL WIDTH | mm (ft.in) | 2210 (7'3") | 2470 (8'1") | 2585 (8'6") | |
| C. Max. tine height with tine level | mm (ft.in) | 3390 (11'1") | 3645 (12'0") | 3765 (12'4") | |
| D. Reach, max. tine height with tine level | mm (ft.in) | 1980 (6'6") | 2085 (6'10") | 2155 (7'1") | |
| E. Dumping clearance* | mm (ft.in) | 2610 (8'7") | 2795 (9'2") | 2860 (9'5") | |
| F. Dumping reach* | mm (ft.in) | 1680 (5'6") | 1780 (5'10") | 1840 (6'0") | |
| G. Overall tine width | mm (ft.in) | 1875 (6'2") | 2045 (6'9") | 2165 (7'1") | |
| H. Tine length | mm (ft.in) | 1120 (3'7") | 1220 (4'0") | 1320 (4'4") | |
| I. Max. clamp opening height | mm (ft.in) | 2190 (7'2") | 2360 (7'9") | 2470 (8'1") | |
| J. Top clamp min. closure diameter | mm (ft.in) | 900 (2'11") | 950 (3'1") | 1000 (3'3") | |
| TIRE SIZE | | 14.00-24-12PR | 20.5-25-12PR (L2) | 20.5-25-16PR (L3) | |
| Add. counterweight | kg (lb) | 280 (620) | 300 (660) | 520 (1,150) | |

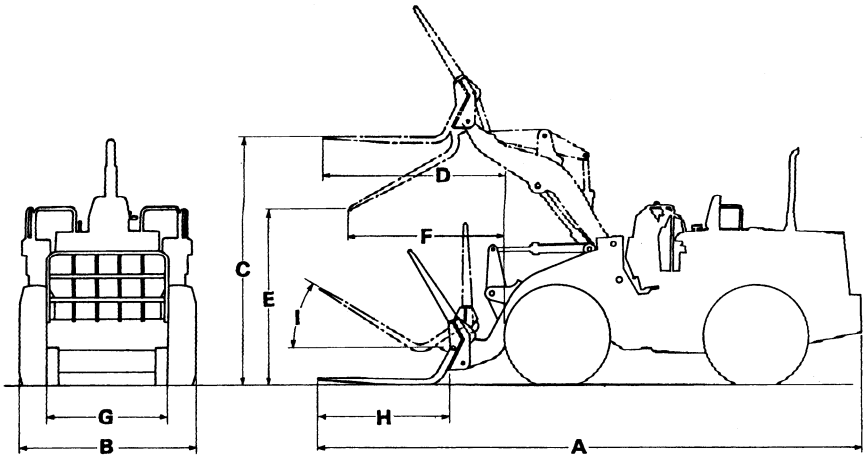
* At 30° discharge angle
** With ROPS cab



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| Item | Model | WA250-5** | WA320-5** | WA320-3 CUSTOM*3 | WA380-3** |
|---|---|---|---|---|---|
| OPERATING WEIGHT | kg (lb) | 11030 (24,320) | 13870 (30,580) | 13580 (29,940) | 16750 (36,930) |
| A. OVERALL LENGTH | mm (ft.in) | 7845 (25'9") | 8360 (27'5") | 8485 (27'10") | 8945 (29'4") |
| B. OVERALL WIDTH | mm (ft.in) | 2470 (8'1") | 2585 (8'6") | 2585 (8'6") | 2695 (8'8") |
| C. Max. tine height with tine level | mm (ft.in) | 3580 (11'9") | 3695 (12'2") | 3675 (12'1") | 3820 (12'6") |
| D. Reach, max. tine height with tine level | mm (ft.in) | 2240 (7'4") | 2405 (7'11") | 2430 (8'0") | 2505 (8'3") |
| E. Dumping clearance* | mm (ft.in) | 2665 (8'9") | 2670 (8'9") | 2650 (8'8") | 2790 (9'2") |
| F. Dumping reach* | mm (ft.in) | 1880 (6'2") | 2025 (6'8") | 2045 (6'9") | 2120 (7') |
| G. Overall tine width | mm (ft.in) | 1850 (6'1") | 2100 (6'11") | 2100 (6'11") | 2100 (6'11") |
| H. Tine length | mm (ft.in) | 1675 (5'6") | 1890 (6'2") | 1890 (6'2") | 1890 (6'2") |
| I. Max. tilt-back angle | degree | 29 | 31 | 30 | 31 |
| TIRE SIZE | | 20.5-25-12PR (L2) | 20.5-25-16PR (L3) | 20.5-25-12PR | 20.5-25-16PR |
| Add. counterweight | kg (lb) | 300 (660) | 520 (1,150) | 750 (1,650) | 750 (1,650) |

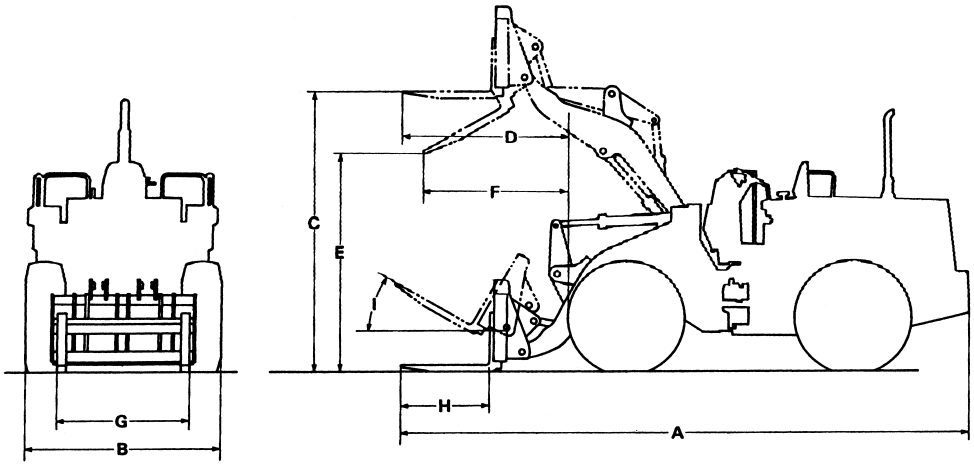
* At 30° discharge angle
** With ROPS cab
*3 With cab



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| Item | Model | WA180-3** | WA200-5** | WA250-5** | WA320-5** |
|---|---|---|---|---|---|
| OPERATING WEIGHT | kg (lb) | 8920 (19,670) | 9830 (21,680) | 11090 (24,450) | 13910 (30,670) |
| A. OVERALL LENGTH | mm (ft.in) | 6910 (22'9") | 7615 (25'0") | 7625 (25'0") | 8040 (26'5") |
| B. OVERALL WIDTH | mm (ft.in) | 2210 (7'3") | 2375 (7'10") | 2470 (8'1") | 2585 (8'6") |
| C. Max. tine height with tine level | mm (ft.in) | 3390 (11'1") | 3485 (11'5") | 3645 (12'0") | 3765 (12'4") |
| D. Reach, max. tine height with tine level | mm (ft.in) | 1980 (6'6") | 2095 (6'11") | 2085 (6'10") | 2155 (7'1") |
| E. Dumping clearance* | mm (ft.in) | 2610 (8'7") | 2635 (8'8") | 2795 (9'2") | 2860 (9'5") |
| F. Dumping reach* | mm (ft.in) | 1680 (5'6") | 1785 (5'10") | 1780 (5'10") | 1840 (6'0") |
| G. Overall tine width | mm (ft.in) | 1875 (6'2") | 2045 (6'9") | 2045 (6'9") | 2165 (7'1") |
| H. Tine length | mm (ft.in) | 1120 (3'8") | 1220 (4'0") | 1220 (4'0") | 1320 (4'4") |
| I. Max. tilt-back angle | degree | 28 | 27 | 26 | 27 |
| TIRE SIZE | | 14.00-24-12PR | 17.5-25-12PR (L2) | 20.5-25-12PR (L2) | 20.5-25-16PR (L3) |
| Add. counterweight | kg (lb) | 280 (620) | 300 (660) | 300 (660) | 520 (1,150) |

* At 30° discharge angle
** With high lift

| Item | Model | WA320-3 CUSTOM*3 | WA380-3** | WA380-5** | |
|---|---|---|---|---|---|
| OPERATING WEIGHT | kg (lb) | 13620 (30,030) | 16960 (37,390) | 16700 (36,820) | |
| A.OVERALL LENGTH | mm (ft.in) | 8165 (26'9") | 8740 (28'8") | 8915 (29'3") | |
| B.OVERALL WIDTH | mm (ft.in) | 2585 (8'6") | 2695 (8'10") | 2695 (8'10") | |
| C. Max. tine height with tine level | mm (ft.in) | 3745 (12'3") | 3870 (12'8") | 3870 (12'8") | |
| D. Reach, max. tine height with tine level | mm (ft.in) | 2180 (7'2") | 2345 (7'8") | 2345 (7'8") | |
| E. Dumping clearance* | mm (ft.in) | 2840 (9'4") | 2915 (9'7") | 2915 (9'7") | |
| F. Dumping reach* | mm (ft.in) | 1865 (6'1") | 2005 (6'7") | 2005 (6'7") | |
| G. Overall tine width | mm (ft.in) | 2165 (7'1") | 2250 (7'5") | 2250 (7'5") | |
| H. Tine length | mm (ft.in) | 1320 (4'4") | 1420 (4'10") | 1420 (4'10") | |
| I. Max. tilt-back angle | degree | 27 | 28 | 28 | |
| TIRE SIZE | | 20.5-25-12PR | 20.5-25-16PR | 20.5-25-20PR | |
| Add. counterweight | kg (lb) | 750 (1,650) | 750 (1,650) | 708 (1,550) | |

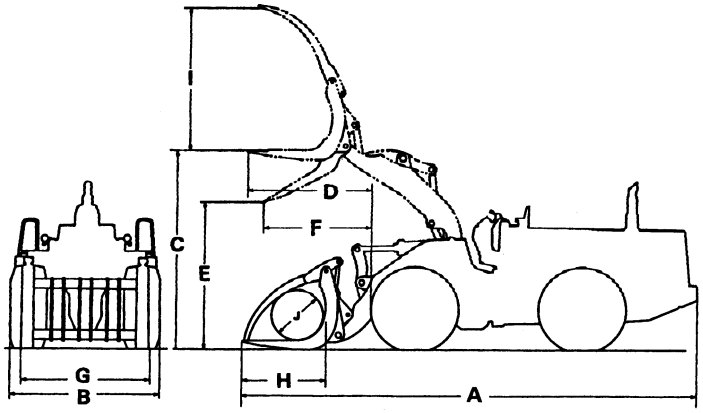
* At 30° discharge angle
** With ROPS cab
*3 With cab



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| Item | Model | WA320-5** | WA320-3*** CUSTOM | WA380-3** | WA380-5** |
|---|---|---|---|---|---|
| OPERATING WEIGHT | kg (lb) | 13970 (30,800) | 13680 (30,160) | 16980 (37,430) | 16790 (37,020) |
| A. OVERALL LENGTH | mm (ft.in) | 7720 (25'4") | 7845 (25'9") | 8455 (27'9") | 8627 (28'4") |
| B. OVERALL WIDTH | mm (ft.in) | 2585 (8'6") | 2585 (8'6") | 2695 (8'10") | 2695 (8'10") |
| C. Max. tine height with tine level | mm (ft.in) | 3875 (12'9") | 3855 (12'8") | 3985 (13'1") | 3985 (13'1") |
| D. Reach, max. tine height with tine level | mm (ft.in) | 1855 (6'1") | 1880 (6'2") | 2080 (6'10") | 2080 (6'10") |
| E. Dumping clearance* | mm (ft.in) | 3095 (10'2") | 3075 (10'1") | 3140 (10'4") | 3140 (10'4") |
| F. Dumping reach* | mm (ft.in) | 1635 (5'4") | 1660 (5'5") | 1835 (6') | 1835 (6') |
| G. Overall tine width | mm (ft.in) | 2200 (7'3") | 2200 (7'3") | 2300 (7'7") | 2300 (7'7") |
| H. Tine length | mm (ft.in) | 1320 (4'4") | 1320 (4'4") | 1420 (4'8") | 1420 (4'8") |
| I. Max. clamp opening height | mm (ft.in) | 2280 ( 7'6") | 2280 (7'6") | 2415 (7'11") | 2415 (7'11") |
| J. Top clamp min. closure diameter | mm (ft.in) | 850 (2'9") | 850 (2'9") | 900 (2'11") | 900 (2'11") |
| TIRE SIZE | | 20.5-25-16PR (L3) | 20.5-25-12PR | 20.5-25-16PR | 20.5-25-20PR |
| Add. counterweight | kg (lb) | 520 (1,150) | 750 (1,650) | 750 (1,650) | 705 (1,550) |

* At 30° discharge angle
** With ROPS cab
*** With steel cab

| Item | Model | WA470-5** | WA470-3*** | WA500-3*** | |
|---|---|---|---|---|---|
| OPERATING WEIGHT | kg (lb) | 22550 (49,710) | 22790 (50,240) | 33090 (72,950) | |
| A. OVERALL LENGTH | mm (ft.in) | 9425 (31'0") | 9315 (30'7") | 10105 (33'2") | |
| B. OVERALL WIDTH | mm (ft.in) | 2920 (9'7") | 2920 (9'7") | 3190 (10'6") | |
| C. Max. tine height with tine level | mm (ft.in) | 4230 (13'11") | 4230 (13'11") | 4375 (14'4") | |
| D. Reach, max. tine height with tine level | mm (ft.in) | 2315 (7'7") | 2265 (7'5") | 2590 (8'6") | |
| E. Dumping clearance* | mm (ft.in) | 3315 (10'11") | 3315 (10'11") | 3300 (10'10") | |
| F. Dumping reach* | mm (ft.in) | 2045 (6'9") | 1995 (6'7") | 2250 (7'5") | |
| G. Overall tine width | mm (ft.in) | 2645 (8'8") | 2645 (8'8") | 2745 (9') | |
| H. Tine length | mm (ft.in) | 1525 (5') | 1525 (5') | 1830 (6') | |
| I. Max. clamp opening height | mm (ft.in) | 2765 (9'1") | 2765 (9'1") | 3035 (9'11") | |
| J. Top clamp min. closure diameter | mm (ft.in) | 1000 (3'3") | 1000 (3'3") | 1150 (3'9") | |
| TIRE SIZE | | 23.5-25-24PR | 23.5-25-20PR | 29.5-25-22PR | |
| Add. counterweight | kg (lb) | 1030 (2,270) | 1045 (2,300) | 2250 (4,960) | |

* At 30° discharge angle
** With ROPS cab
*** Rear tires are filled with calcium chloride, with steel cab & ROPS canopy



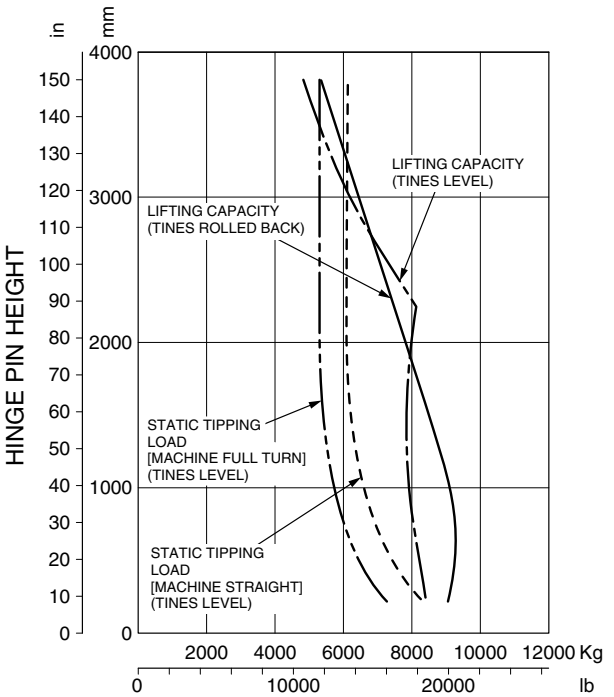
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**WA250-5**

Curves based on machine equipped with 20.5-25-12PR (L2) TL and counterweight

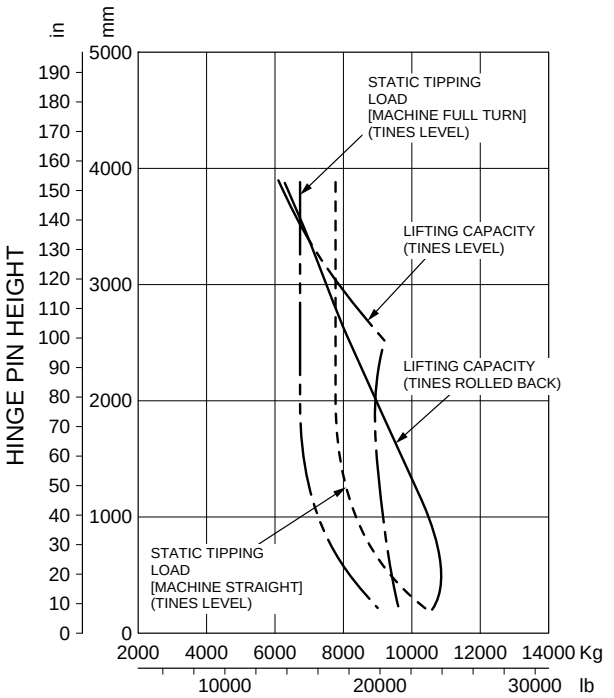



STATIC TIPPING LOAD(STRAIGHT)AND LIFTING CAPACITY

FVBH0342

**WA320-5**

Curves based on machine equipped with 20.5-25-16PR (L3) TL and counterweight




STATIC TIPPING LOAD(STRAIGHT)AND LIFTING CAPACITY

FVBH0343



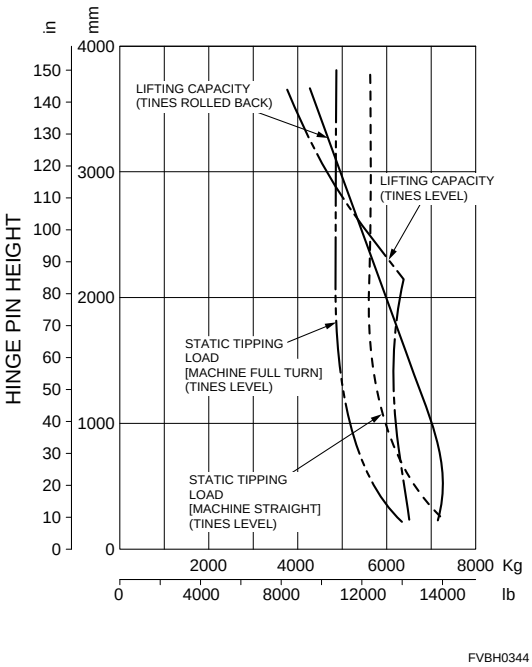
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## WA200-5

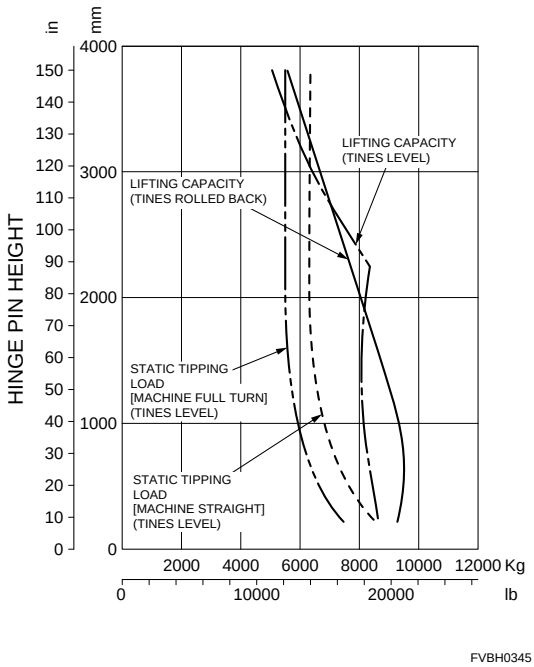
Curves based on machine equipped with 17.00-25-12PR (L2) TL and counterweight




STATIC TIPPING LOAD (STRAIGHT) AND LIFTING CAPACITY

## WA250-5

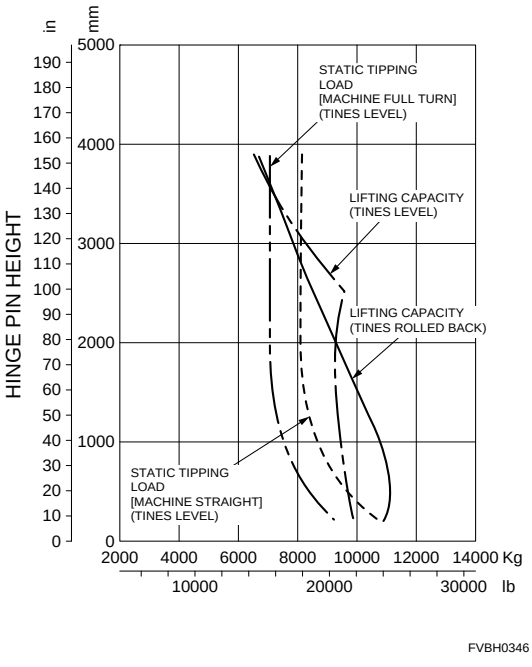
Curves based on machine equipped with 20.5-25-12PR (L2) TL and counterweight




STATIC TIPPING LOAD (STRAIGHT) AND LIFTING CAPACITY

## WA320-5

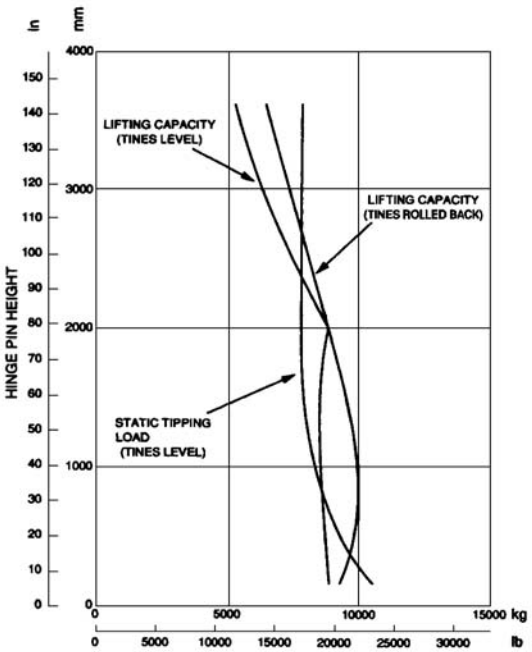
Curves based on machine equipped with 20.5-25-16PR (L3) TL and counterweight




STATIC TIPPING LOAD (STRAIGHT) AND LIFTING CAPACITY

## WA320-3 CUSTOM

Curves based on machine equipped with 20.5-25-12PR (L3) TL and counterweight for logger




STATIC TIPPING LOAD (STRAIGHT) AND LIFTING CAPACITY



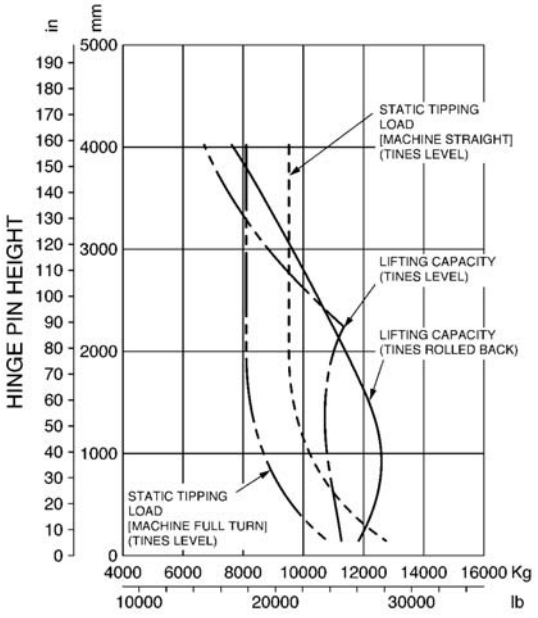
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**WA380-3**

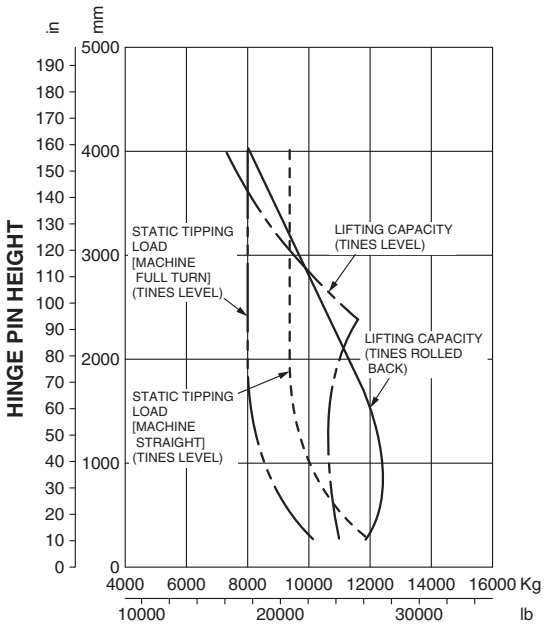
Curves based on machine equipped with 20.5-25-16PR (L3) TL and counterweight for logger




STATIC TIPPING LOAD (STRAIGHT) AND LIFTING CAPACITY

**WA380-5**

Curves based on machine equipped with 20.5-25-20PR (L3) TL and counterweight for logger




STATIC TIPPING LOAD (STRAIGHT) AND LIFTING CAPACITY



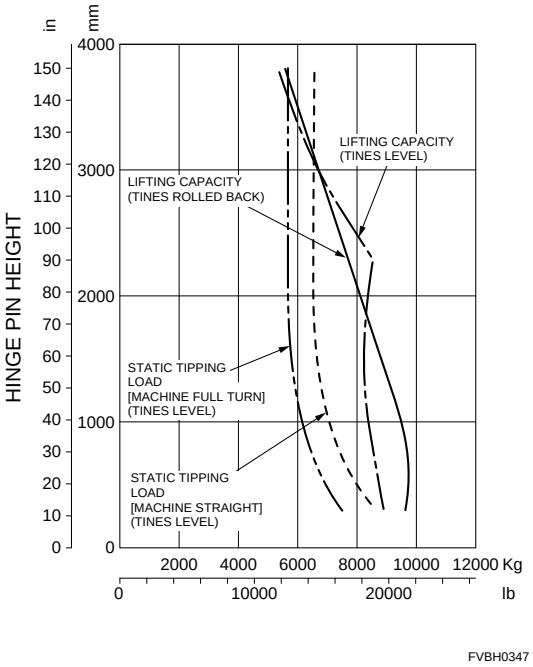
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## WA250-5

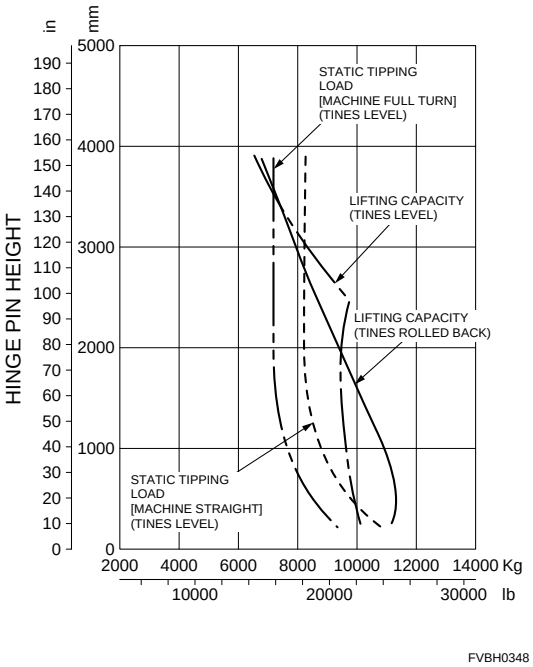
Curves based on machine equipped with 20.5-25-12PR (L2) TL and counterweight




STATIC TIPPING LOAD (STRAIGHT) AND LIFTING CAPACITY

## WA320-5

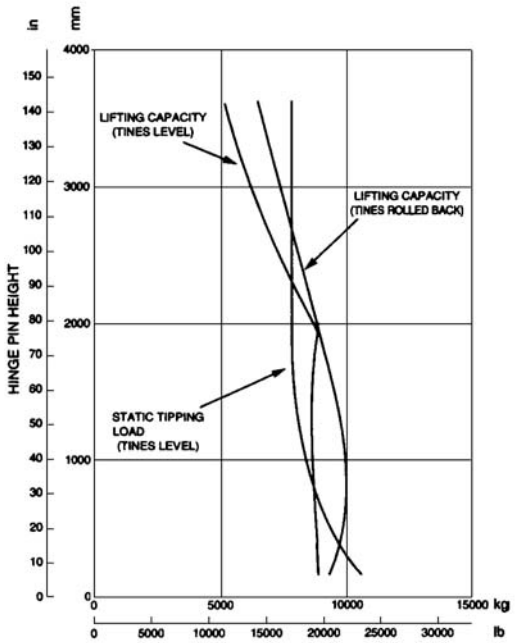
Curves based on machine equipped with 20.5-25-16PR (L3) TL and counterweight




STATIC TIPPING LOAD (STRAIGHT) AND LIFTING CAPACITY

## WA320-3 CUSTOM

Curves based on machine equipped with 20.5-25-12PR (L3) TL and counterweight for logger




STATIC TIPPING LOAD (STRAIGHT) AND LIFTING CAPACITY



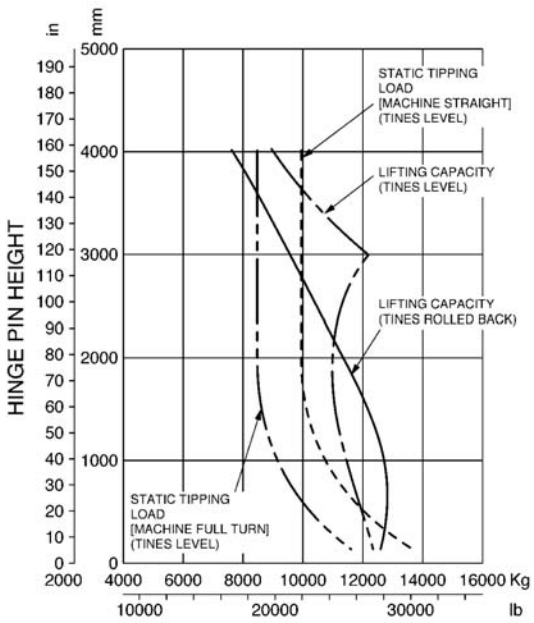
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## WA380-3

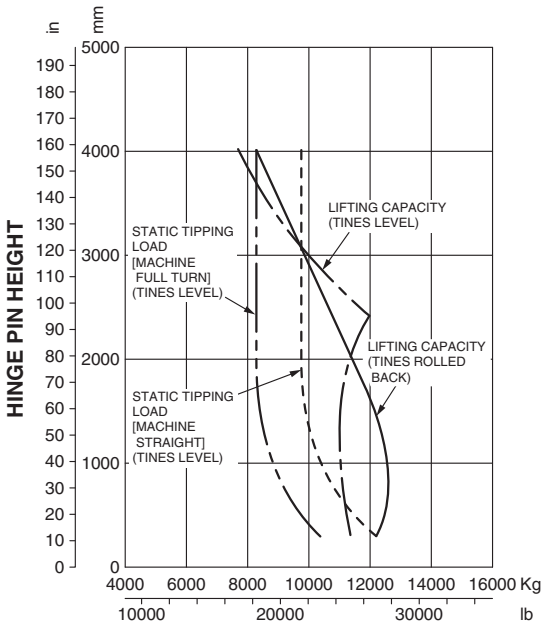
Curves based on machine equipped with 20.5-25-16PR (L3) TL and counterweight for logger




STATIC TIPPING LOAD (STRAIGHT) AND LIFTING CAPACITY

## WA380-5

Curves based on machine equipped with 20.5-25-20PR (L3) TL and counterweight for logger




STATIC TIPPING LOAD (STRAIGHT) AND LIFTING CAPACITY



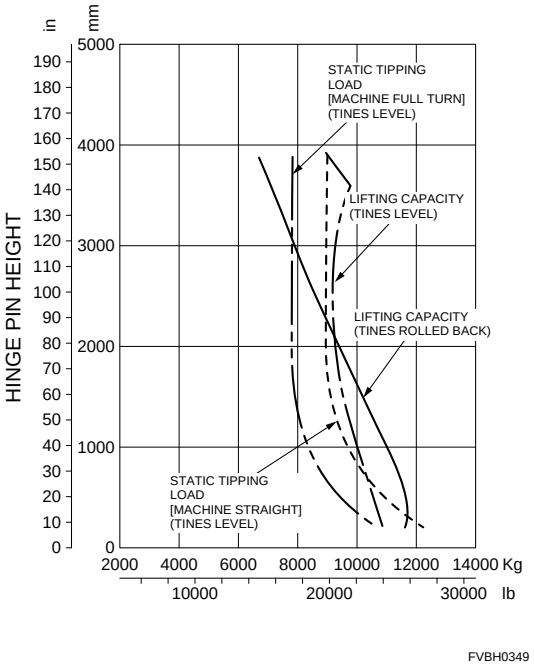
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## WA320-5

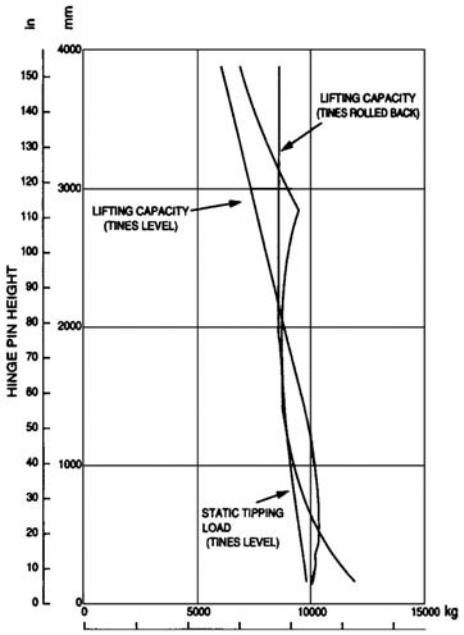
Curves based on machine equipped with 20.5-25-16PR (L3) TL and counterweight




STATIC TIPPING LOAD (STRAIGHT) AND LIFTING CAPACITY

## WA320-3 CUSTOM

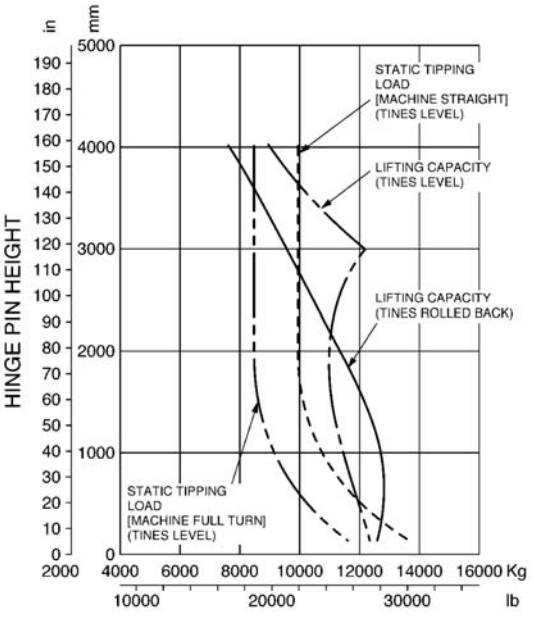
Curves based on machine equipped with 20.5-25-12PR (L3) TL and counterweight for logger




STATIC TIPPING LOAD (STRAIGHT) AND LIFTING CAPACITY

## WA380-3

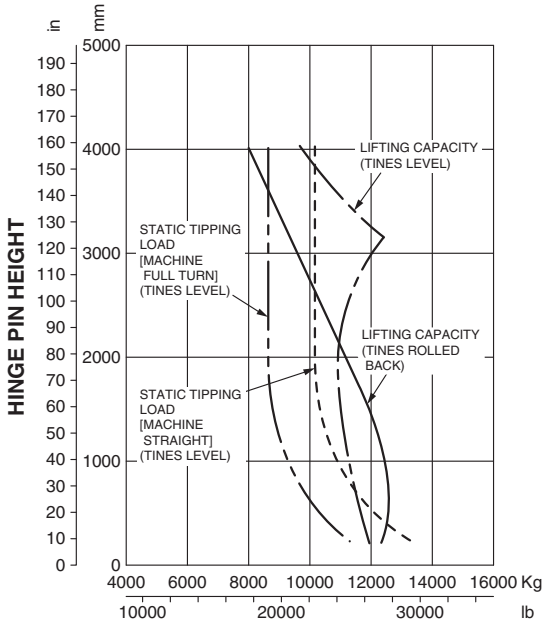
Curves based on machine equipped with 20.5-25-16PR (L3) TL and counterweight for logger




STATIC TIPPING LOAD (STRAIGHT) AND LIFTING CAPACITY

## WA380-5

Curves based on machine equipped with 20.5-25-20PR (L3) TL and counterweight for logger




STATIC TIPPING LOAD (STRAIGHT) AND LIFTING CAPACITY



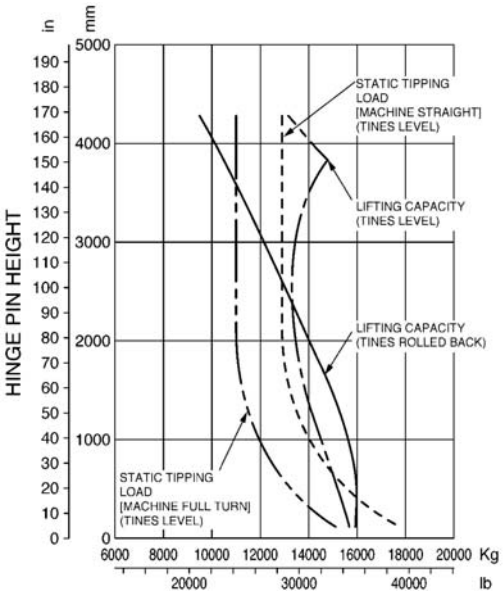
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**WA470-3**

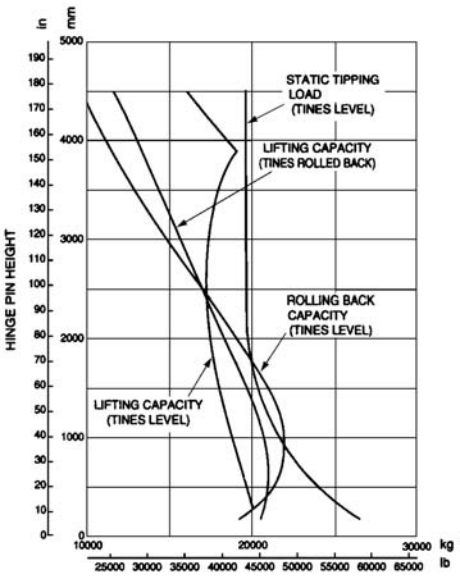
Curves based on machine equipped with 23.5-25-20PR (L3) TL and counterweight for logger




STATIC TIPPING LOAD (STRAIGHT) AND LIFTING CAPACITY

**WA500-3**

Curves based on machine equipped with 29.5-25-22PR (L3) TL and counterweight for logger



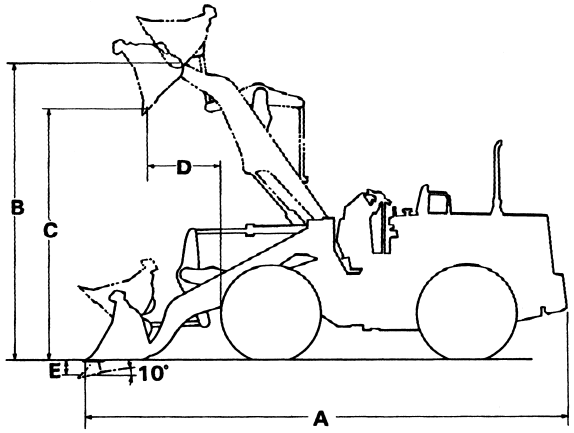

STATIC TIPPING LOAD (STRAIGHT) AND LIFTING CAPACITY



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| Item | Model | WA120-3*** | WA150-5*** | WA180-3*** | WA200-5*** |
|---|---|---|---|---|---|
| OPERATING WEIGHT | kg (lb) | 7660 (16,890) | 7645 (16,850) | 8830 (19,470) | 10010 (22,070) |
| BACKET CAPACITY | m³ (cu,yd) | 1.2 (1.6) | 1.3 (1.7) | 1.5 (2.0) | 1.7 (2.2) |
| A. OVERALL LENGTH | mm (ft.in) | 6240 (20'6") | 6320 (20'9") | 6725 (22'1") | 7485 (24'7") |
| OVERALL WIDTH | mm (ft.in) | 2390 (7'10") | 2390 (7'10") | 2440 (8') | 2550 (8'4") |
| B. Hinge pin height, max. height | mm (ft.in) | 3745 (12'3") | 4025 (13'2") | 4015 (13'2") | 4225 (13'10") |
| C. Dumping clearance* | mm (ft.in) | 3030 (9'11")** | 3310 (10'10")** | 3250 (10'8")** | 3410 (11'2")** |
| D. Dumping reach* | mm (ft.in) | 980 (3'3")** | 1020 (3'4")** | 1060 (3'6")** | 1040 ( 3'5")** |
| E. Digging depth | mm (ft.in) | 225 (9") | 285 (11'2") | 335 (1'1") | 435 (1'5") |
| TIRE SIZE | | 16.9-24-10PR | 16.9-24-10PR | 18.4-24-10PR | 17.5-25-12PR |
| Add. counterweight | kg (lb) | | 200 (441) | | 300 (661) |

* At 45° discharge angle
** At 44° discharge angle
*** With ROPS cab and B.O.C.

| Item | Model | WA250-5*** | WA320-5*** | WA380-5*** | WA380-3*** |
|---|---|---|---|---|---|
| OPERATING WEIGHT | kg (lb) | 11560 (25,490) | 14110 (31,110) | 18050 (39,790) | 17100 (37,700) |
| BACKET CAPACITY | m³ (cu,yd) | 1.9 (2.5) | 2.4 (3.1) | 2.9 (3.8) | 2.8 (3.7) |
| A. OVERALL LENGTH | mm (ft.in) | 7515 (24'8") | 8040 (26'5") | 8760 (28'9") | 8450 (27'9") |
| OVERALL WIDTH | mm (ft.in) | 2685 (8'10") | 2740 ( 9'0") | 2905 (9'6") | 2905 (9'6") |
| B. Hinge pin height, max. height | mm (ft.in) | 4390 (14'5") | 4545 (14'11") | 4625 (15'2") | 4560 (15') |
| C. Dumping clearance* | mm (ft.in) | 3520 (11'6") | 3530 (11'7") | 3575 (11'9") | 3530 (11'7") |
| D. Dumping reach* | mm (ft.in) | 945 (3'1") | 1015 (3'4") | 1185 (3'11") | 1125 (4') |
| E. Digging depth | mm (ft.in) | 250 (9.8") | 235 (9.3") | 320 (1'1") | 320 (1'1") |
| TIRE SIZE | | 17.5-25-12PR | 20.5-25-12PR | 23.5-25-16PR | 20.5-25-16PR |
| Add. counterweight | kg (lb) | 300 (661) | 520 (1146) | 700 (1543) | 750 (1650) |

* At 45° discharge angle
*** With ROPS cab and B.O.C.

| Item | Model | WA430-5*** | WA470-5*** | WA470-3 | |
|---|---|---|---|---|---|
| OPERATING WEIGHT | kg (lb) | 19720 (43,470) | 23770 (52,400) | 23075 (50,870) | |
| BACKET CAPACITY | m³ (cu,yd) | 3.3 (4.3) | 3.8 (4.5) | 3.8 (4.5) | |
| A. OVERALL LENGTH | mm (ft.in) | 8980 (29'6") | 9515 (31'3") | 9360 (30'9") | |
| OVERALL WIDTH | mm (ft.in) | 3050 (10') | 3170 (10'5") | 3170 (10'5") | |
| B. Hinge pin height, max. height | mm (ft.in) | 4730 (15'6") | 4870 (16'0") | 4870 (16'0") | |
| C. Dumping clearance* | mm (ft.in) | 3635 (11'11") | 3750 (12'4") | 3760 (12'4") | |
| D. Dumping reach* | mm (ft.in) | 1155 (3'9") | 1355 (4'5") | 1305 (4'3") | |
| E. Digging depth | mm (ft.in) | 440 (1'5") | 440 (1'5") | 435 (1'5") | |
| TIRE SIZE | | 23.5-25-16PR | 26.5-25-16PR | 26.5-25-16PR | |
| Add. counterweight | kg (lb) | 775 (1708) | 1045 (2304) | 1045 (2304) | |

* At 45° discharge angle
*** With ROPS cab and B.O.C.

WA500 over see PERFORMANCE DATA



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| WA50-6 | WA120-3 | WA150-6 | WA150-5 | WA180-3 | WA200-6 |
|---|---|---|---|---|---|
| •15.5/60-18-8PR L2 T/L | •16.9-24-10PR L2 T/L | •16.9-24-10PR L2 T/L | •16.9-24-10PR L2 T/L | •18.4-24-10PR L2 T/L | •17.5-25-12PR L2 T/L |
| | 16.9-24-10PR L3 T/L | 15.5-25-8PR L2 T/L | 16.9-24-10PR L3 T/L | 14.00-24-12PR L2 T/L | 17.5-25-12PR L3 T/L |
| | 14.00-24-12PR L2 T/L | 17.5-25-12PR L2 T/L | 14.00-24-12PR L2 T/L | 14.00-24-12PR L3 T/L | 20.5-25-12PR L2 T/L |
| | 15.5-25-8PR L2 T/L | | 15.5-25-8PR L2 T/L | 15.5-25-12PR L2 T/L | 20.5-25-12PR L3 T/L |
| | 15.5-25-8PR L3 T/L | | 15.5-25-8PR L3 T/L | 15.5-25-12PR L3 T/L | |
| | 17.5-25-12PR L2 T/L | | 17.5-25-12PR L2 T/L | 17.5-25-12PR L2 T/L | |
| | 17.5-25-12PR L3 T/L | | 17.5-25-12PR L3 T/L | 17.5-25-12PR L3 T/L | |
| | 15.5 R25 | | 15.5 R25 | 17.5 R25 | |

| WA200-5 | WA200PZ-6 | WA250-6 | WA250-5 | WA250PZ-6 | WA320-6 |
|---|---|---|---|---|---|
| •17.5-25-12PR L2 T/L | •20.5-25-12PR L2 T/L | •17.5-25-16PR L2 T/L | •17.5-25-12PR L2 T/L | •20.5-25-12PR L2 T/L | •20.5-25-12PR L3 T/L |
| 17.5-25-12PR L3 T/L | 17.5-25-12PR L2 T/L | 17.5-25-16PR L3 T/L | 17.5-25-12PR L3 T/L | 17.5-25-16PR L3 T/L | 20.5-25-12PR L2 T/L |
| 20.5-25-12PR L2 T/L | 17.5-25-12PR L3 T/L | 20.5-25-12PR L2 T/L | 20.5-25-12PR L2 T/L | 17.5-25-16PR L2 T/L | |
| 20.5-25-12PR L3 T/L | | 20.5-25-12PR L3 T/L | 20.5-25-12PR L3 T/L | 20.5-25-12PR L3 T/L | |
| | | | | | |

| WA320PZ-6 | WA320-5 | WA320-3 CUSTOM | WA380-6 | WA380Z-6 | WA380-5 |
|---|---|---|---|---|---|
| •20.5-25-12PR L2 T/L | •20.5-25-12PR L3 T/L | •20.5-25-12PR L3 T/L | •20.5-25-16PR L3 T/L | •23.5-25-16PR L3 T/L | •20.5-25-16PR L3 T/L |
| 20.5-25-12PR L3 T/L | 20.5-25-12PR L2 T/L | 20.5-25-12PR L3 W/T | 23.5-25-16PR L3 T/L | 20.5-25-16PR L3 T/L | 23.5-25-16PR L3 T/L |
| | | | | | 23.5-25-16PR L4 T/L |
| | | | | | |

| WA380-3 | WA430-6 | WA430-5 | WA470-5 | WA470-6 | WA470-3 |
|---|---|---|---|---|---|
| •20.5-25-16PR L3 T/L | •23.5-25-16PR L3 T/L | •23.5-25-16PR L3 T/L | •26.5-25-20PR L3 T/L | •26.5-25-16PR L3 T/L | •23.5-25-20PR L3 T/L |
| 20.5-25-16PR L2 T/L | 26.5-25-16PR L2 T/L | 26.5-25-16PR L2 T/L | 23.5-25-20PR L2 T/L | 23.5-25-20PR L3 T/L | 23.5-25-20PR L2 T/L |
| 23.5-25-12PR L2 T/L | | | 26.5-25-16PR L3 T/L | 23.5-25-20PR L2 T/L | 26.5-25-16PR L3 T/L |
| 23.5-25-12PR L3 T/L | | | 26.5-25-20PR L4 T/L | 26.5-25-20PR L4 T/L | 26.5-25-20PR L3 T/L |
| 23.5-25-16PR L2 T/L | | | 23.5-25-20PR L3 T/L | | 26.5-25-20PR L4 T/L |
| 23.5-25-16PR L3 T/L | | | 26.5-R25 L3 | | 26.5-25-20PR L5 T/L |
| 23.5-25-20PR L2 T/L | | | | | |
| 23.5-25-20PR L3 T/L | | | | | |
| | | | | | |

• : Standard tire
T/L : Tubeless tire
W/T : Tubed tire
SB : Steel breaker tire
SSB : Side steel breaker tire



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| WA480-6 | WA480-5 | WA500-6<br>WA500-6R | WA500-3 | WA600-6<br>WA600-6R | WA600-3 |
|---|---|---|---|---|---|
| •26.5-25-20PR<br>L3 T/L | •26.5-25-20PR<br>L3 T/L | •29.5-25-22PR<br>L3 T/L | •26.5-25-20PR<br>L3 T/L | •35/65-33-36PR<br>L4 T/L | •35/65-33-24PR<br>L4 T/L |
| 26.5-25-20PR<br>L4 T/L | 26.5-25-20PR<br>L3 T/L | | 26.5-25-20PR<br>L3 W/T | 35/65-33-36PR<br>L5 T/L | 29.5-29-28PR<br>L4 T/L |
| | 26.5-25-20PR<br>L5 T/L | | 26.5-25-20PR<br>L3 W/T SB | 35/65-33-42PR<br>L4 T/L | 35/65-33-24PR<br>L5 T/L |
| | 26.5-25-20PR<br>L4 T/L | | 26.5-25-20PR<br>L4 T/L | 35/65 R33<br>L4 T/L | 35/65-33-30PR<br>L5 T/L |
| | 26.5-25-24PR<br>L3 T/L | | 26.5-25-20PR<br>L5 T/L | 35/65 R33*<br>L5 T/L | 35/65-33-30PR<br>L4 T/L |
| | | | 26.5-25-24PR<br>L3 T/L | | |
| | | | 29.5-25-22PR<br>L3 T/L | | |
| | | | 29.5-25-22PR<br>L3 W/T | | |
| | | | 29.5-25-22PR<br>L4 T/L | | |
| | | | 29.5-25-22PR<br>L5 T/L | | |
| | | | 29.5-25-28PR<br>L4 T/L | | |

| WA700-3 | WA800-3E0 | WA800-3 | WA900-3E0 | WA900-3 | WA1200-6 |
|---|---|---|---|---|---|
| •45/65-39-36PR<br>L5 T/L | •45/65-45-46PR<br>L5 T/L | •45/65-45-46PR<br>L5 T/L | •45/65-45-58PR<br>L5 T/L | •45/65-45-58PR<br>L5 T/L | •60/80-R57<br>L5 radial |
| 41.25/70-39-34PR<br>L5 T/L | 45/65-45-50PR<br>L5 T/L | 45/65-45-50PR<br>L4 T/L | 45/65 R45 L5 T/L | | 58/85-57-84PR<br>L5 T/L |
| | 45/65 R45 L5 T/L | | | | |
| | | | | | |

| WA320-6* | WA380-7* | WA430-6* | WA470-7* | WA480-6* | WA500-7* |
|---|---|---|---|---|---|
| •20.5-25-12PR<br>L3 T/L | •23.5-R25<br>L3 radial | •23.5 R25<br>L3 radial | •26.5 R25<br>L3 radial | •26.5 R25<br>L3 radial | •29.5-25-R22PR<br>L3 |
| 20.5-25-12PR<br>L2 T/L | | | | | |
| | | | | | |

| WA200PZ-6*** | WA250PZ-6*** | WA320PZ-6*** | WA65-6** | WA70-6** | WA80-6** |
|---|---|---|---|---|---|
| •20.5-25-12PR<br>L2 | •20.5-25-12PR<br>L2 | •20.5-25-12PR<br>L2 | •12.0-18 | •12.5-18 | •405/70 R18 |
| 17.5-25-16PR<br>L3 | 17.5-25-16PR<br>L2 | 20.5-25-12PR<br>L3 | | | |
| 17.5-25-16PR<br>L3 | 17.5-25-16PR<br>L3 | | | | |
| | 20.5-25-12PR<br>L3 | | | | |
| | | | | | |

| WA90-6** | WA100M-6** | WA150PZ-6** | WA200PZ-6** | WA250PZ-6** | WA320PZ-6**<br>WA320-6** |
|---|---|---|---|---|---|
| •405/70 R20 | •455/70 R24 | •17.5 R25 L-3 | •20.5 R25 L2 | •20.5 R25 L3 | •20.5 R25 L3 |
| | | | 20.5 R25 L3 | 20.5 R25 L2 | 20.5 R25 L2 |
| | | | 20.5 R25 L5 | 20.5 R25 L5 | 20.5 R25 L5 |
| | | | 17.5 R25 L2 | | 23.5 R25 L3 |
| | | | 17.5 R25 L3 | | |
| | | | 17.5 R25 L5 | | |
| | | | | | |

• : Standard tire
T/L : Tubeless tire
W/T : Tubed tire
SB : Steel breaker tire
SSB : Side steel breaker tire

* : USA source
** : Germany source
*** : for USA



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| WA380-7*6 | WA380-6** | WA430-6** | WA470-6** | WA480-6** | WA500-7*6 |
|---|---|---|---|---|---|
| •23.5 R25 L3 | •23.5 R25 L3 | •23.5 R25 L3 | •26.5 R25 L3 | •26.5 R25 L3 | •29.5 R25 L4 |
| 23.5 R25 L2 | 650/65 R25 | 750/65 R25 | 23.5 R25 L2 | 26.5 R25 L2 | 29.5 R25 L3 |
| 23.5 R25 L5 | 23.5 R25 L2 | 650/65 R25 | 23.5 R25 L4 | 26.5 R25 L4 | 29.5 R25 L5 |
| 650/65 R25 L3 | 23.5 R25 L4 | 23.5 R25 L2 | 23.5 R25 L5 | 26.5 R25 L5 | |
| | 23.5 R25 L5 | 23.5 R25 L4 | | | |
| | | 23.5 R25 L5 | | | |
| | | 26.5 R25 L2 | | | |
| | | 26.5 R25 L3 | | | |
| | | | | | |

| WA500-6** | WA320-5*4 | WA380-6*4 | WA380Z-6 | WA470-6 | WA200-5*5 |
|---|---|---|---|---|---|
| •29.5 R25 L3 | •20.5-25 16PR | •23.5-25 16PR | •23.5-25 16PR | •26.5-25 20PR | •17.5-25 12PR |
| 29.5 R25 L4 | L3 T/L | L3 T/L | L3 T/L | L3 T/L | L2 T/L |
| 29.5 R25 L5 | | 20.5-25 16PR | 20.5-25 16PR | | 17.5-25 12PR |
| 26.5 R25 | | L3 T/L | L3 T/L | | L3 T/L |
| | | | | | 20.5-25 12PR |
| | | | | | L3 T/L |
| | | | | | |

| WA320-5*5 | | | | | |
|---|---|---|---|---|---|
| •20.5-25 12PR | | | | | |
| L3 T/L | | | | | |
| 20.5-25 16PR | | | | | |
| L3 T/L | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

• : Standard tire
T/L : Tubeless tire
W/T : Tubed tire
SB : Steel breaker tire
SSB : Side steel breaker tire

* : USA source
** : Germany source
*** : for USA
*4 : China source
*5 : Brazil source
*6 : for EU


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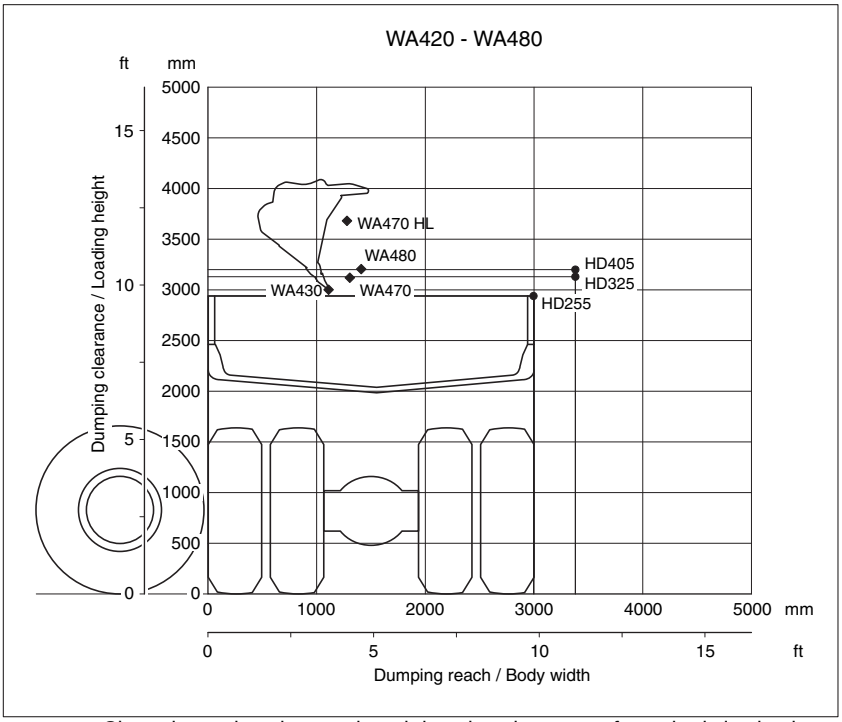



Chart shows dumping reach and dumping clearance of standard size buckets.
HL means high lift boom.

◆ : Indicates dumping reach and clearance at the end of teeth or BOC.

● : Indicates the top corner of body.

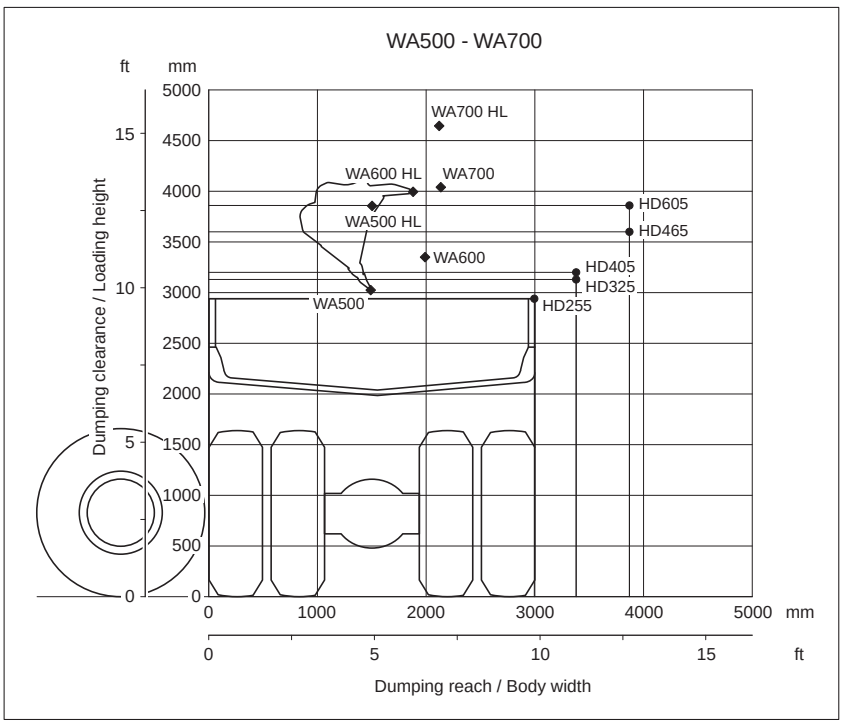



Chart shows dumping reach and dumping clearance of standard size buckets.
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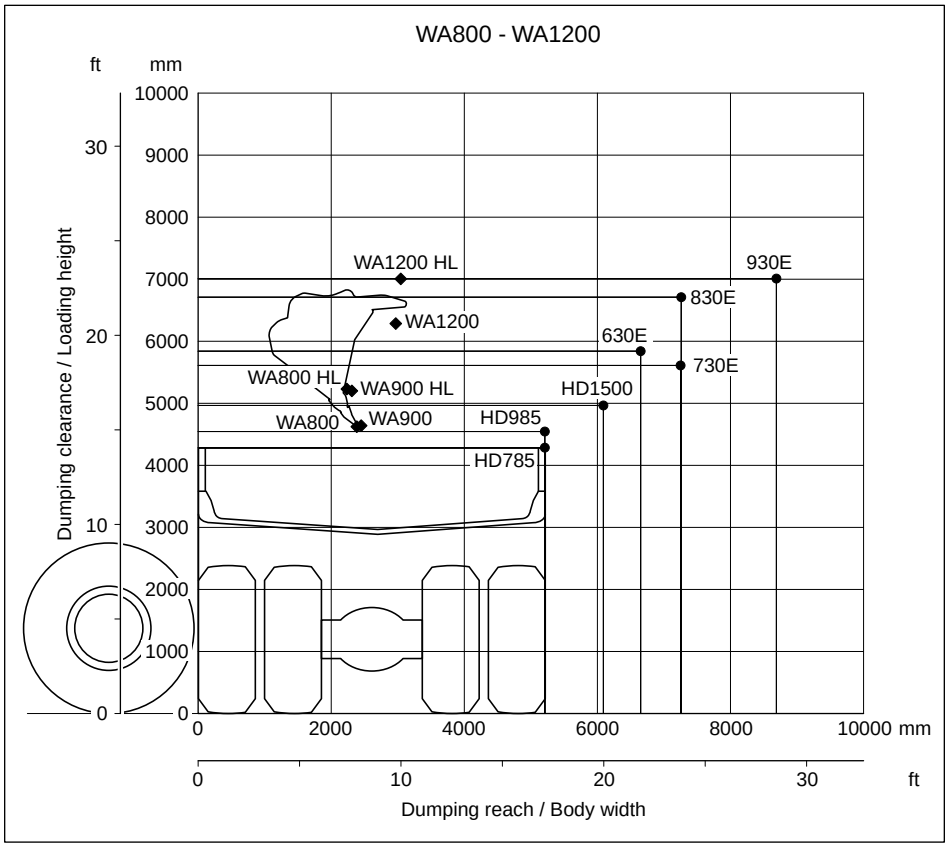



Chart shows dumping reach and dumping clearance of standard size buckets.
HL means high lift boom.

◆ : Indicates dumping reach and clearance at the end of teeth or BOC.

● : Indicates the top corner of body.



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| Wheel loader | | | | Dump truck (Loading height)*1 | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Model | Heaped bucket capacity $m^3$ (cu.yd) | Bucket type | *1Dumping clearance. At the end of teeth or BOC mm (ft.in) | HD255 (2975 mm) (9'9") | HD325-6 (3200 mm) (10'6") HD325-7 (3220 mm) (10'7") | HD405-6 (3430 mm) (11'3") HD405-7 (3450 mm) (11'4") | HD465 (3600 mm) (11'10") | HD605 (3860 mm) (12'8") | HD785 (4285 mm) (14'1") |
| | | | | Payload in ton (U.S. ton) | | | | | |
| | | | | 25 (27.6) | 36.5 (40) | 41 (55) | 55 (61) | 63 (69) | 91 (100) |
| | | | | 17.7 $m^3$ (23.2 $yd^3$) | 24 $m^3$ (31.4 $yd^3$) | 27.3 $m^3$ (35.7 $yd^3$) | 34.2 $m^3$ (44.7 $yd^3$) | 40 $m^3$ (52.3 $yd^3$) | 60 $m^3$ (78.5 $yd^3$) |
| WA430 | 3.5 (4.6) | General purpose (stock pile) with bolt-on cutting edges | 3020 (9'11") | 4 | | | | | |
| | 3.3 (4.3) | General purpose (stock pile) with teeth | 2895 (9'6") | 4 | | | | | |
| WA470 | 4.2 (5.5) | General purpose (stock pile) with bolt-on cutting edges | 3120 (10'3") | 3 | | | | | |
| | 3.9 (5.1) | General purpose (stock pile) with teeth | 2995 (9'10") | 4 | | | | | |
| WA480 | 4.6 (6.0) | General-purpose bucket with bolt-on cutting edges | 3205 (10'6") | 3 | 4 | | | | |
| | 4.3 (5.6) | General-purpose bucket with teeth | 3080 (10'1") | 3 | | | | | |
| WA500 | 4.3 (5.6) | General purpose (excavating, straight edges) with teeth | 3025 (9'11") | 3 | | | | | |
| | 4.3 (5.6) | Spade nose rock bucket with tip teeth | 2770 (9'1") | | | | | | |
| WA500 High lift | 4.2 (5.5) | General purpose (excavating, straight edges) with teeth | 3565 (11'8") | 3 | 5 | 5 | | | |
| WA600 | 6.1 (8.0) | Spade nose rock bucket with teeth | 3350 (11'0") | 2 | 3 | 4 | | | |
| WA600 High lift | 5.6 (7.3) | Spade nose rock bucket with teeth | 3995 (13'1") | 2 | 4 | 4 | 5 | 6 | |
| WA700 | 8.7 (11.4) | Spade nose rock bucket with teeth | 4040 (13'3") | 2 | 2 | 3 | 4 | 4 | |
| WA700 High lift | 8.0 (10.5) | Spade nose rock bucket with teeth | 4645 (15'3") | 2 | 3 | 3 | 4 | 4 | 6 |

| Wheel loader | | | | Dump truck (Loading height)*1 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | Heaped bucket capacity $m^3$(cu.yd) | Bucket type | *1Dumping clearance. At the end of teeth or BOC mm (ft.in) | HD465 (3600 mm) (11'10") | HD605 (3860 mm) (12'8") | HD785 (4285 mm) (14'1") | HD1500 (4965 mm) (16'3") | 730E (5610 mm) (18'5") | 830E (6710 mm) (22'0") | 860E (6390 mm) (20'11") | 930E (7060 mm) (23'7") |
| | | | | Payload m ton (U.S. ton) | | | | | | | |
| | | | | 55 (61) | 63 (69) | 91 (100) | 144 (159) | 184 (203) | 222 (255) | 254 (280) | 292 (320) |
| | | | | 34.2 $m^3$ (44.7 $yd^3$) | 40 $m^3$ (52.3 $yd^3$) | 60 $m^3$ (78.5 $yd^3$) | 78 $m^3$ (102 $yd^3$) | 111 $m^3$ (145 $yd^3$) | 147 $m^3$ (193 $yd^3$) | 169 $m^3$ (221 $yd^3$) | 211 $m^3$ (276 $yd^3$) |
| WA800 | 11.0 (14.4) | Spade nose rock bucket with teeth | 4630 (15'2") | 3 | 3 | 5 | | | | | |
| WA800 High lift | 10.0 (13.1) | Spade nose rock bucket with teeth | 5200 (17'1") | 3 | 4 | 5 | 8 | | | | |
| WA900 | 13.0 (17.0) | Spade nose rock bucket with teeth | 4640 (15'3") | 2 | 3 | 4 | | | | | |
| WA900 High lift | 11.5 (15.0) | Spade nose rock bucket with teeth | 5230 (17'3") | 3 | 3 | 4 | 7 | | | | |
| WA1200 | 20.0 (26.2) | Spade nose rock bucket with teeth | 6305 (20'8") | | | | 4 | 5 | | | |
| WA1200 High lift | 18.0 (23.5) | Spade nose rock bucket with teeth | 7065 (23'2") | | | | 4 | 6 | 7 | 8 | 9 |

Number of loading times is calculated based on following condition.

1. Calculate number of loading times from maximum payload of dump truck. Please see formula 1.
2. Calculate number of loading times from body capacity of dump turck. Please see formula 2.
3. Adopt lower number between formula 1 and formula 2.

Formula 1

Number of loading = Payload of truck (metric tonnes) / (Bucket capacity of loader ($m^3$)) × loose density × bucket factor)

Formula 2

Number of loading = Body capacity (cubic meter) / (Bucket capacity of loader ($m^3$)) × bucket factor )

We adopt following condition.

Density = 1.8 metric tonnnes per cubic meter

Bucket factor = 1.0



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*1: Dumping clearance and loading height change depending on tires.
Above combination is determined by following method;

(1) Suitable loading times (n): 3-5 times

$$n = \frac{\text{Max. payload of dump truck}}{\text{Bucket capacity} \times \text{Bucket fill factor} \times \text{Specific weight}}$$

or

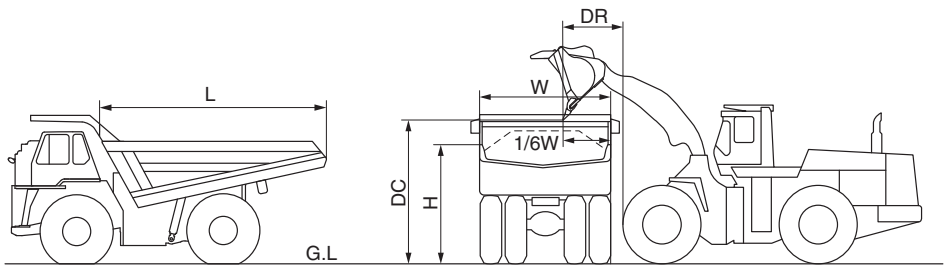
$$n = \frac{\text{Heaped capacity of dump truck}}{\text{Bucket capacity} \times \text{Bucket fill factor}}$$

(2) Dumping clearance (DC)
Small and medium sized loaders: DC ≥ H
Large sized loaders: DC≥H+ (W/12)

(3) Dumping reach (DR)
Small and medium sized loaders: DR ≥ (W/6) + 500 mm
Large sized loaders: DC≥W/3

(4) Body length (L)
The dump truck's body length should be 1.3 to 1.7 times longer than the width of the bucket.

| WA500-6/WA500-6R (General purpose bucket with BOC) | | Dimension | HD255-5 | HD325-6 | HD325-7 HD325-7R |
|---|---|---|---|---|---|
| Dumping clearance (DC) | 3295 (10'10") | Body height (H) | 2940 (9'8") | 3200 (10'6") | 3220 (10'7") |
| Dumping reach (DR) | 1500 (4'11") | Body width (W) | 2995 (9'10") | 3380 (11'1") | 3380 (11'1") |
| Bucket width | 3400 (11'2") | Body length (L) | 4570 (15') | 5500 (18'1") | 5500 (18'1") |




| WA470-6/WA470-5 (Stockpile bucket) | | Dimension | HD255-5 |
|---|---|---|---|
| Dumping clearance (DC) | 3120 (10'3") | Body height (H) | 2975 (9'9") |
| Dumping reach (DR) | 1305 (4'3") | Body width (W) | 2995 (9'10") |
| Bucket width | 3170 (10'5") | Body length (L) | 4570 (15') |

| WA470-7 (General purpose bucket) | | Dimension | HD255-5 |
|---|---|---|---|
| Dumping clearance (DC) | 3185 (10'5") | Body height (H) | 2975 (9'9") |
| Dumping reach (DR) | 1235 (4'1") | Body width (W) | 2995 (9'10") |
| Bucket width | 3170 (10'5") | Body length (L) | 4570 (15') |

| WA480-6/WA480-5 (Stockpile bucket) | | Dimension | HD255-5 |
|---|---|---|---|
| Dumping clearance (DC) | 3205 (10'6") | Body height (H) | 2940 (9'8") |
| Dumping reach (DR) | 1410 (4'8") | Body width (W) | 2995 (9'10") |
| Bucket width | 3170 (10'5") | Body length (L) | 4570 (15') |

| WA500-3 (Excavating bucket with straight edge) | | Dimension | HD255-5 | HD325-6 | HD325-7 HD325-7R |
|---|---|---|---|---|---|
| Dumping clearance (DC) | 3025 (9'11") | Body height (H) | 2940 (9'8") | 3200 (10'6") | 3220 (10'7") |
| Dumping reach (DR) | 1490 (4'11") | Body width (W) | 2995 (9'10") | 3380 (11'1") | 3380 (11'1") |
| Bucket width | 3460 (11'4") | Body length (L) | 4570 (15') | 5500 (18'1") | 5500 (18'1") |

| WA500-7 (General purpose bucket) | | Dimension | HD255-5 | HD325-6 | HD325-7 HD325-7R |
|---|---|---|---|---|---|
| Dumping clearance (DC) | 3295 (10'10") | Body height (H) | 2940 (9'8") | 3200 (10'6") | 3220 (10'7") |
| Dumping reach (DR) | 1500 (4'11") | Body width (W) | 2995 (9'10") | 3380 (11'1") | 3380 (11'1") |
| Bucket width | 3400 (11'2") | Body length (L) | 4570 (15') | 5500 (18'1") | 5500 (18'1") |



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| WA600-6/WA600-6R (Excavating bucket with spade nose) | | Dimension | HD255-5 | HD325-6 | HD405-6 | HD405-7 HD405-7R |
|---|---|---|---|---|---|---|
| Dumping clearance (DC) | 3995 (13'1") | Body height (H) | 2940 (9'8") | 3200 (10'6") | 3430 (11'3") | 3450 (11'4") |
| Dumping reach (DR) | 1800 (5'11") | Body width (W) | 2995 (9'10") | 3380 (11'1") | 3380 (11'1") | 3380 (11'1") |
| Bucket width | 3685 (12'1") | Body length (L) | 4570 (15') | 5500 (18'1") | 5590 (18'4") | 5590 (18'4") |

| WA600-3 (Excavating bucket with spade nose) | | Dimension | HD255-5 | HD325-6 | HD405-6 | HD405-7 HD405-7R |
|---|---|---|---|---|---|---|
| Dumping clearance (DC) | 3350 (11') | Body height (H) | 2940 (9'8") | 3200 (10'6") | 3430 (11'3") | 3450 (11'4") |
| Dumping reach (DR) | 1990 (6'6") | Body width (W) | 2995 (9'10") | 3380 (11'1") | 3380 (11'1") | 3380 (11'1") |
| Bucket width | 3685 (12'1") | Body length (L) | 4570 (15') | 5500 (18'1") | 5590 (18'4") | 5590 (18'4") |

| WA700-3 (Excavating bucket with spade nose) | | Dimension | HD325-7 HD325-7R | HD325-6 | HD405-7 HD405-7R | HD405-6 | HD465-7E0 HD465-7 HD465-7R | HD605-7E0 HD605-7 HD605-7R | HD785-5 |
|---|---|---|---|---|---|---|---|---|---|
| Dumping clearance (DC) | 4040 (13'3") | Body height (H) | 3220 (10'7") | 3200 (10'6") | 3450 (11'4") | 3430 (11'3") | 3600 (11'10") | 3860 (12'8") | 4285 (14'1") |
| Dumping reach (DR) | 2135 (7') | Body width (W) | 3380 (11'1") | 3380 (11'1") | 3380 (11'1") | 3380 (11'1") | 3870 (12'8") | 3870 (12'8") | 4880 (16') |
| Bucket width | 4330 (14'2") | Body length (L) | 5500 (18'1") | 5500 (18'1") | 5590 (18'4") | 5590 (18'4") | 6450 (21'2") | 6600 (21'8") | 7480 (24'6") |

| WA800-3/WA800-3E0 (Excavating bucket) | | Dimension | HD465-7 | HD605-7 | HD785-5 | HD785-7 |
|---|---|---|---|---|---|---|
| Dumping clearance (DC) | 4630 (15'2") | Body height (H) | 3600 (11'10") | 3860 (12'8") | 4285 (14'1") | 4285 (14'1") |
| Dumping reach (DR) | 2385 (7'10") | Body width (W) | 3870 (12'8") | 3870 (12'8") | 4880 (16') | 5200 (17'1") |
| Bucket width | 4810 (15'7") | Body length (L) | 6450 (21'2") | 6600 (21'8") | 7480 (24'6") | 7065 (23'2") |

| WA900-3/WA900-3E0 | | Dimension | HD465-7 | HD605-7 | HD785-5 | HD785-7 |
|---|---|---|---|---|---|---|
| Dumping clearance (DC) | 4640 (15'3") | Body height (H) | 3600 (11'10") | 3860 (12'8") | 4285 (14'1") | 4285 (14'1") |
| Dumping reach (DR) | 2450 (8') | Body width (W) | 3870 (12'8") | 3870 (12'8") | 4880 (16') | 5200 (17'1") |
| Bucket width | 4810 (15'9") | Body length (L) | 6450 (21'2") | 6600 (21'8") | 7480 (24'6") | 7065 (23'2") |

| WA1200-6 | | Dimension | HD1500-7 |
|---|---|---|---|
| Dumping clearance (DC) | 6305 (20'8") | Body height (H) | 4965 (16'3") |
| Dumping reach (DR) | 2890 (9'6") | Body width (W) | 5705 (18'9") |
| Bucket width | 6400 (21'0") | Body length (L) | 7625 (25') |



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## Standard Production – Loading ($m^3$/h)

| Cycle Time (min) | Cycles Per Hr | Bucket Size** (cu.m) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.5 |
| 0.35 | 171 | | | | White area indicates average production | | | | | | | | | | |
| 0.40 | 150 | 150 | 225 | 300 | 375 | 450 | | | | | | | | | |
| 0.45 | 133 | 133 | 200 | 266 | 332 | 400 | 466 | 530 | 600 | 665 | | | | | |
| 0.50 | 120 | 120 | 180 | 240 | 300 | 360 | 420 | 480 | 540 | 600 | 660 | 720 | 780 | 840 | 900 |
| 0.55 | 109 | 109 | 164 | 218 | 272 | 328 | 382 | 436 | 480 | 545 | 600 | 655 | 705 | 785 | 820 |
| 0.60 | 100 | 100 | 180 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 |
| 0.65 | 92 | 92 | 138 | 184 | 230 | 278 | 322 | 368 | 416 | 460 | 505 | 555 | 600 | 645 | 690 |
| 0.70 | 86 | | | | | | 300 | 342 | 386 | 430 | 471 | 515 | 555 | 600 | 645 |
| 0.75 | 80 | | | | | | | | | | 440 | 480 | 520 | 560 | 600 |

| Cycle Time (min) | Cycles Per Hr | Bucket Size** (cu.m) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 8.0 | 8.5 | 9.0 | 9.5 | 10.0 | 10.5 | 11.0 | 12.0 | 13.0 | 14.0 | 16.0 | 18.0 | 20.0 |
| 0.35 | 171 | | | | White area indicates average production | | | | | | | | | |
| 0.40 | 150 | | | | | | | | | | | | | |
| 0.45 | 133 | | | | | | | | | | | | | |
| 0.50 | 120 | 960 | 1020 | 1080 | 1140 | 1200 | 1200 | 1320 | 1440 | 1560 | 1680 | 1920 | 2160 | 2400 |
| 0.55 | 109 | 870 | 925 | 980 | 1040 | 1090 | 1150 | 1200 | 1310 | 1420 | 1530 | 1750 | 1960 | 2180 |
| 0.60 | 100 | 800 | 850 | 900 | 950 | 1000 | 1050 | 1110 | 1200 | 1300 | 1400 | 1600 | 1800 | 2000 |
| 0.65 | 92 | 735 | 780 | 830 | 875 | 920 | 965 | 1010 | 1110 | 1200 | 1290 | 1480 | 1660 | 1850 |
| 0.70 | 86 | 685 | 730 | 770 | 815 | 855 | 900 | 945 | 1030 | 1110 | 1200 | 1370 | 1540 | 1710 |
| 0.75 | 80 | 640 | 680 | 720 | 780 | 800 | 840 | 880 | 960 | 1040 | 1120 | 1280 | 1440 | 1600 |

* Actual production = (Standard production) × (Bucket fill factor) × (Job efficiency)
** Bucket size: Heaped bucket capacity

### Bucket fill factor (K)

| Loading conditions | K |
|---|---|
| Easy loading | 1.0 ~ 1.1 |
| Average loading | 0.85 ~ 0.95 |
| Rather difficult loading | 0.8 ~ 0.85 |
| Difficult loading | 0.75 ~ 0.8 |

### Job efficiency (E)

| Operating conditions | E |
|---|---|
| Good | 0.83 |
| Average | 0.75 |
| Rather poor | 0.67 |
| Poor | 0.58 |



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SECTION 3B

# WHEEL DOZERS

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**Specifications** ..... **3B-3**
**Dimensions** ..... **3B-4**



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- Komatsu components throughout the machine assure years of reliability and high-performance service.
- Adjustment-free wet disc brakes for steady braking and extended service life.
- Electronic Display and Monitoring System for minimized maintenance.
- A large drawbar horsepower with fuel-efficient, powerful Komatsu diesel engine for high productivity and maneuverability.
- Fingertip control with Electrically Controlled Transmission.
- A tiltable steering wheel and fully adjustable suspension seat.


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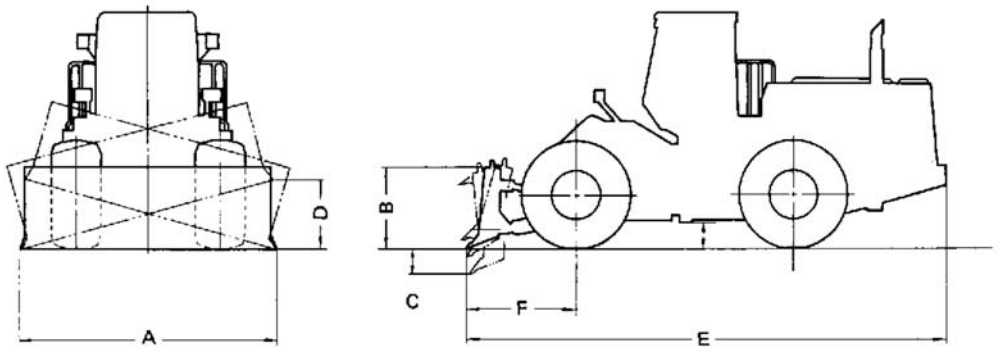
| Item | Model | WD600-6 | WD600-3 | WD900-3 | |
|---|---|---|---|---|---|
| OPERATING WEIGHT | kg (lb) | 48100 (106,040) | 42900 (94,577) | 100000 (220,460) | |
| HORSEPOWER | kW (HP)/rpm | 393 (527)/1800 | 362 (485)/2000 | 637 (853)/2000 | |
| BLADE CAPACITY | $m^3$ (cu.yd) | 8.0 (10.5) | 8.0 (10.5) | 26.0 (34.0) | |
| PERFORMANCE: | | | | | |
| Travel speed | km/h (MPH) | | | | |
| Forward 1st | | 6.7 (4.2) | 6.5 (4.0) | 7.0 (4.3) | |
| 2nd | | 11.7 (7.3) | 11.8 (7.3) | 12.3 (7.6) | |
| 3rd | | 20.3 (12.6) | 20.8 (12.9) | 28.0 (17.4) | |
| 4th | | 33.0 (20.5) | 36.2 (22.5) | — | |
| Reverse 1st | | 7.3 (4.5) | 7.2 (4.5) | 7.1 (4.4) | |
| 2nd | | 12.8 (8.0) | 13.0 (8.1) | 12.4 (7.7) | |
| 3rd | | 22.0 (13.7) | 23.0 (14.3) | 28.3 (17.6) | |
| 4th | | 36.0 (22.4) | 40.0 (24.9) | — | |
| Turning radius (Outside corner of blade) | mm (ft.in) | 8610 (28'3") | 8500 (27'11") | 9200 (30'2") | |
| Max. rim pull | kg (lb) | 43800 (96,580) | 42800 (94,360) | 100000 (220,460) | |
| DIMENSIONS: | | | | | |
| Overall length | mm (ft.in) | 9930 (32'7") | 9285 (30'6") | 12035 (39'6") | |
| Overall width (without blade) | mm (ft.in) | 3570 (11'9") | 3570 (11'9") | 4460 (14'8") | |
| Overall height | mm (ft.in) | 4460 (14'8") | 4245 (13'11") | 5215 (17'1") | |
| Wheelbase | mm (ft.in) | 4500 (14'9") | 4100 (13'5") | 5450 (31') | |
| Treads (front and rear) | mm (ft.in) | 2650 (11'9") | 2650 (8'8") | 3350 (11') | |
| Articulation angle | degree | 43 | 40 | 40 | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D170E-5 | KOMATSU SAA6D170E-3 | KOMATSU SA12V140 | |
| No. of cylinders- bore × stroke | mm (in) | 6-170 x 170 (6.69 x 6.69) | 6-170 x 170 (6.69 x 6.69) | 12-140 × 165 (5.5 × 6.5) | |
| Piston displacement | ltr. (cu.in) | 23.15 (1413) | 23.15 (1413) | 30.5 (1861) | |
| CAPACITY: | | | | | |
| Fuel tank | ltr. (U.S. Gal) | 718 (190) | 670 (177) | 1430 (378) | |
| TIRE: | | | | | |
| (front) | | 35/65-33-24PR | 35/65-33-24PR | 45/65-R45XLDD (L4) | |
| (rear) | | 35/65-33-24PR | 35/65-33-24PR | 45/65-R45XLDD (L4) | |



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| | | Model | WD600-6 | WD600-6 | WD600-3 |
|---|---|---|---|---|---|
| Blade type | | — | Straight Blade | U-blade | Straight Blade |
| | Blade capacity (SAE Rated) | $m^3$ (cu.yd) | 8.0 (10.5) | 10.6 (13.8) | 8.0 (10.5) |
| A | Blade width | mm (ft.in) | 5100 (16'9") | 4870 (16'0") | 5100 (16'9") |
| B | Max. lift above ground | mm (ft.in) | 1500 (4'11") | 1485 (4'10") | 1500 (4'11") |
| C | Max. drop below ground | mm (ft.in) | 450 (17.7") | 490 (1'7") | 450 (17.7") |
| D | Max. tilt adjustment | mm (ft.in) | 1430 (4'8") | 1340 (4'5") | 1430 (4'8") |
| | Max. pitch angle adjustment | degree | 23° | | 23° |
| E | Overall length | mm (ft.in) | 9930 (32'7") | | 9285 (30'6") |
| F | Front overhang | mm (ft.in) | 2220 (7'3") | | 2205 (7'3") |
| | Turning radius | mm (ft.in) | 8610 (28'3") | | |
| | Operating weight (include ROPS) | kg (lb) | 48100 (106,040) | 49115 (108,280) | 42900 (94,360) |

| | | Model | WD900-3 | |
|---|---|---|---|---|
| Blade type | | — | Semi-U blade | Coal blade |
| | Blade capacity (SAE Rated) | $m^3$ (cu.yd) | 26.0 (34.0) | 45.0 (58.9) |
| A | Blade width | mm (ft.in) | 6470 (21'3") | 7400 (24'3") |
| B | Max. lift above ground | mm (ft.in) | 1580 (5'2") | 1560 (5'1") |
| C | Max. drop below ground | mm (ft.in) | 680 (2'3") | 680 (3'3") |
| D | Max. tilt adjustment | mm (ft.in) | 1330 (4'4") | 1710 (5'7") |
| | Max. pitch angle adjustment | degree | 8° | 8° |
| E | Overall length | mm (ft.in) | 12035 (39'6") | |
| F | Front overhang | mm (ft.in) | 3385 (11'1") | |
| | Turning radius | mm (ft.in) | 11285 (37') | |
| | Operating weight (include ROPS) | kg (lb) | 100000 (220460) | |



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SECTION 4

# RIGID DUMP TRUCKS Sec 4A

# ARTICULATED DUMP TRUCKS Sec 4B

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SECTION 4A

# RIGID DUMP TRUCKS

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## Ecology Features

### ecot3 (EPA Tier 3, EU Stage 3A certified engine)

Komatsu develops and produces all major components, such as engines, electronics and hydraulic components in house.

With this “Komatsu Technology”, and adding customer feedback, Komatsu is achieving great advancements in technology.

To achieve high levels of productivity and ecology, Komatsu developed the main components with an advanced control system.

The result is a new generation of high performance and environment friendly machines.

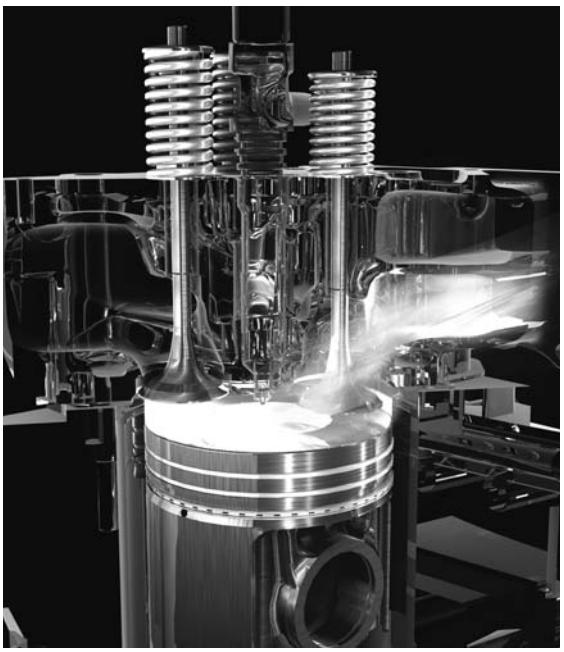



### Fuel efficient electronic controlled engine

The engine is EPA Tier 3 and EU Stage 3A emission regulation certified. The engine is turbocharged and features Common Rail Injection System (CRI) and air-to-air aftercooling to maximize power, fuel efficiency and emission compliance.

To minimize noise and vibration, the engine is mounted to the main frame with rubber cushions.

(HD325/405-7, HD465/605-7E0)





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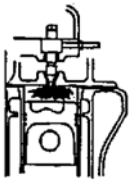


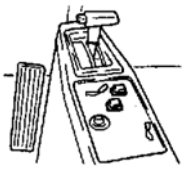
## ■ High productivity

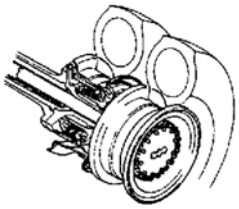
The result of total performance: High performance, minimum downtime, and easy operation

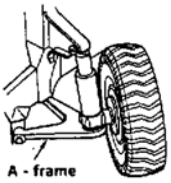
## ■ Dependable and high-performance components

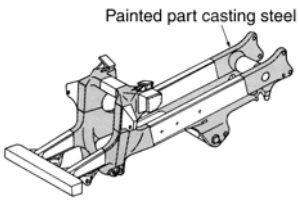
- Komatsu diesel engine delivers high-output and direct injection system provides high fuel efficiency
- Full-automatic TORQFLOW transmission: A microcomputer built into the shift controller automatically selects the optimum gear position according to travel speed, load and road conditions assuring effort-free operation.
- High-performance, durable brakes: Sealed, oil-cooled, multiple-disc brakes on rear wheels are designed for extended operation. The large-capacity rear wheel brakes also act as retarders as a precaution against engine overrunning when descending steep inclines.
- High maneuverability: The MacPherson strut type front suspension system has a special A-frame between each wheel and the main frame. The wider space created between the front wheels and the main frame increases the turning angle of the wheels. The larger this turning angle, the smaller the turning radius of the truck.
- Extra sturdiness: Box-section, ladder type frame construction of high-tensile-strength steel plate and cast steel offer unfaltering durability for long service.



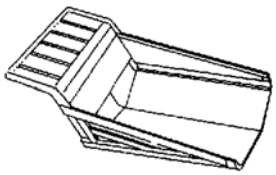







- Rigorous dump body design: The dump body is made of high-tensile-strength steel for excellent rigidity and reduced maintenance costs. The V-shape design also increases structural strength. The side and bottom plates of the dump section are reinforced with ribs for added strength.



## ■ Easy maintenance

- Advanced monitoring system: The Komatsu advanced monitoring system identifies maintenance items, reduces diagnostic times, indicates oil and filter replacement hours and displays abnormality codes.
  This monitor system helps to maximize machine production time.
- Greasing points have been centralized.
  Fuel and engine oil filters are also located together on the right-hand remote mount for easy, remote inspection from the ground.





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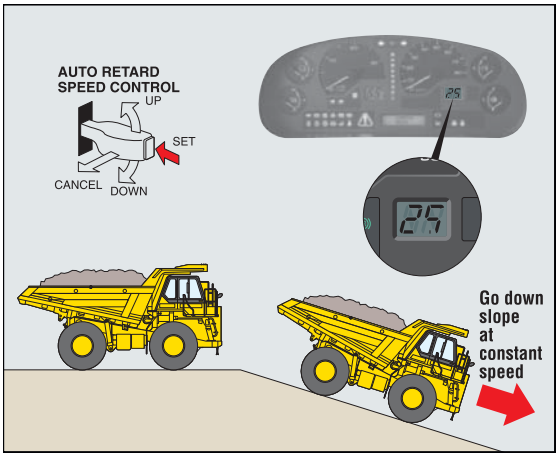


## ■ Automatic Retard Speed Control (ARSC)

ARSC allows the operator to simply set the downhill travel speed and go down slopes at a constant speed. As a result, the operator can concentrate on steering. The speed can be set at increments of 1 km/h 0.6 MPH per click (±5 km/h 3.1 MPH of maximum speed adjustment) to match the optimum speed for the slope. Also, since the retarder cooling oil temperature is always monitored, the speed is automatically lowered.

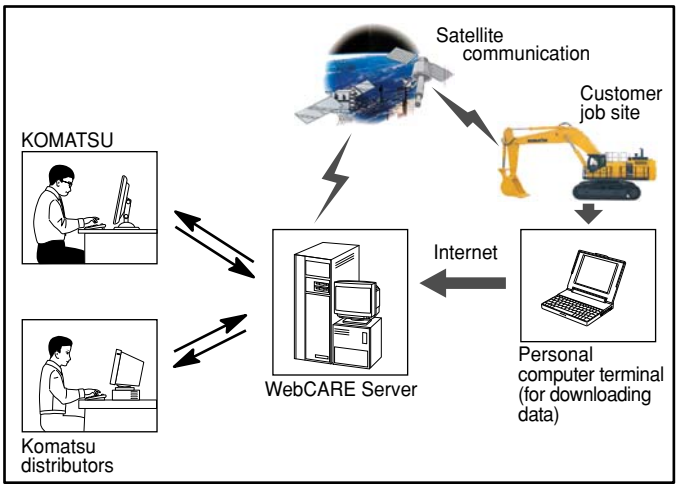
(STD for HD465/605-7, 7E0, 7R, HD785-7)

(Option for HD325/405-7, 7R)




## VHMS (Vehicle Health Monitoring System) (Option for HD465/605-7, 7E0, 7R, HD785-5, HD785-7)

VHMS controller monitors the health conditions of major components, enables remote analysis of the machine and its operation. This process is supported by the Komatsu distributors, factory and design team. This contributes to reduced repair costs and to maintaining maximum availability.




## ■ Merits of Using VHMS

### Diagnosis

- Machine health information that used to take approximately 1 hour to be measured can now be downloaded by personal computer in approximately 10 minutes, shortening the vehicle's down time.
- Furthermore, if the satellite communications function is equipped, the machine information can be gathered without stopping the vehicle at all. (Not available in some regions.)

### Recommendation

- An appropriate recommendation can be made by viewing these data over the Internet.
  - Proper driving methods
  - Formulation of maintenance plans in advance that suit the customer's production schedule.

### Customer's Benefit

- Sudden break down can be prevented through utilization of data trend (change over time).
- Ascertaining the facts and searching for the cause of the breakdown are simplified, thus enabling problems to be resolved quickly.
- Down time can be shortened by the systematic use of Reman components.
- Machine life can be extended significantly by proper operation and proper maintenance.



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| Item | Model | HD255-5 | •HD325-7 | HD325-7R |
|---|---|---|---|---|
| Source | — | Japan | Japan | Japan |
| WEIGHT: | kg (lb) | | | |
| Empty vehicle weight* | | 22450 (49,490) | 31600 (69,700) | 31600 (69,700) |
| Distribution (front) | | 10775 (23,750) | 16337 (36,020) | 16337 (36,020) |
| (rear) | | 11675 (25,740) | 15263 (33,650) | 15263 (33,650) |
| Gross vehicle weight | | 47525 (104,770) | 63680 (140,390) | 63680 (140,390) |
| Distribution (front) | | 15210 (33,530) | 21014 (46,330) | 21014 (46,330) |
| (rear) | | 32315 (71,240) | 42666 (94,060) | 42666 (94,060) |
| Max. gross vehicle weight** | | — | 69280 (152,740) | 69280 (152,740) |
| Gross horsepower | kW (HP)/RPM | 241 (323)/2100 | 386 (518)/2000 | 386 (518)/2000 |
| Net horsepower | kW (HP)/RPM | 235 (316)/2100 | 371 (498)/2000 | 371 (498)/2000 |
| HAULING CAPACITY: | | | | |
| Maximum payload | m. ton (U.S. ton) | 25 (27.6) | 36.5 (40) | 36.5 (40) |
| Heaped capacity (2:1) | $m^3$ ($yd^3$) | 17.7 (23.2) | 24.0 (31.4) | 24.0 (31.4) |
| PERFORMANCE: | | | | |
| Maximum speed | km/h (MPH) | 47.0 (29.2) | 70 (43.5) | 70 (43.5) |
| Turning radius | m (ft.in) | 7.0 (23') | 7.2 (23'7") | 7.2 (23'7") |
| ENGINE: | | KOMATSU | KOMATSU | KOMATSU |
| Model | | SAA6D125E-3 | SAA6D140E-5 | SAA6D140E-5 |
| No. of cylinders- | | 6 | 6 | 6 |
| bore × stroke | mm (in) | 125 × 150 | 140 ×165 | 140 ×165 |
| | | (4.92 × 5.91) | (5.51 × 6.50) | (5.51 × 6.50) |
| Displacement | ltr. ($in^3$) | 11.04 (674) | 15.24 (930) | 15.24 (930) |
| DIMENSION: | | See DIMENSIONS | | |
| TIRES: | | | | |
| Front tire | | 16.00-25-28PR × 2 | 18.00-33-32PR × 2 | 18.00-33-32PR × 2 |
| Rear tire | | 16.00-25-28PR × 4 | 18.00-33-32PR × 4 | 18.00-33-32PR × 4 |
| CAPACITY: Fuel tank | ltr. (U.S. Gal) | 374 (98.8) | 484 (127.9) | 484 (127.9) |

| Item | Model | HD325-6 | •HD405-7 | HD405-7R |
|---|---|---|---|---|
| Source | — | Japan | Japan | Japan |
| WEIGHT: | kg (lb) | | | |
| Empty vehicle weight* | | 28700 (63,270) | 34400 (75,840) | 34400 (75,840) |
| Distribution (front) | | 13780 (30,380) | 17440 (38,450) | 17440 (38,450) |
| (rear) | | 14920 (32,890) | 16960 (37,390) | 16960 (37,390) |
| Gross vehicle weight | | 60780 (134,000) | 74480 (164,200) | 74480 (164,200) |
| Distribution (front) | | 19450 (42,880) | 24430 (53,860) | 24430 (53,860) |
| (rear) | | 41330 (92,120) | 50050 (110,340) | 50050 (110,340) |
| Max. gross vehicle weight** | | 65200 (143,740) | 75080 (165,520) | 75080 (165,520) |
| Gross horsepower | kW (HP)/RPM | 379 (508)/2000 | 386 (518)/2000 | 386 (518)/2000 |
| Net horsepower | HP | 364 (488)/2000 | 371 (498)/2000 | 371 (498)/2000 |
| HAULING CAPACITY: | | | | |
| Maximum payload | m. ton (U.S. ton) | 36.5 (40) | 41 (45.2) | 41 (45.2) |
| Heaped capacity (2:1) | $m^3$($yd^3$) | 24.0 (31.4) | 27.3 (35.7) | 27.3 (35.7) |
| PERFORMANCE: | | | | |
| Maximum speed | km/h (MPH) | 70 (43.5) | 70 (43.5) | 70 (43.5) |
| Turning radius | m (ft.in) | 7.2 (23'7") | 7.2 (23'7") | 7.2 (23'7") |
| ENGINE: | | KOMATSU | KOMATSU | KOMATSU |
| Model | | SAA6D140E-3 | SAA6D140E-5 | SAA6D140E-5 |
| No. of cylinders- | | 6 | 6 | 6 |
| bore × stroke | mm (in) | 140 × 165 | 140 × 165 | 140 × 165 |
| | | (5.51 × 6.50) | (5.51 × 6.50) | (5.51 × 6.50) |
| Displacement | ltr. ($in^3$) | 15.23 (930) | 15.24 (930) | 15.24 (930) |
| DIMENSION: | | See DIMENSIONS | | |
| TIRES: | | | | |
| Front tire | | 18.00-33-28PR × 2 | 18.00 R33 × 2 | 18.00 R33 × 2 |
| Rear tire | | 18.00-33-28PR × 4 | 18.00 R33 × 4 | 18.00 R33 × 4 |
| CAPACITY: Fuel tank | ltr. (U.S. Gal) | 500 (132.0) | 484 (127.9) | 484 (127.9) |

* Weight includes lubricants, coolant, full fuel tank and standard body.
** Max. gross vehicle weight, including optional equipment, lubricants, coolant, full fuel tank and payload, with large tires installed, shall not be exceeded .
• Tier 3 and Stage 3A model



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| Item | Model | HD405-6 | •HD465-7E0 | HD465-7R |
|---|---|---|---|---|
| Source | — | Japan | Japan, India | Japan |
| WEIGHT: | kg (lb) | | | |
| Empty vehicle weight* | | 32050 (70,660) | 43100 (95,020) | 43100 (95,020) |
| Distribution (front) | | 14420 (31,790) | 20257 (44,660) | 20257 (44,660) |
| (rear) | | 17630 (38,870) | 22843 (50,360) | 22843 (50,360) |
| Gross vehicle weight | | 72125 (159,010) | 99680 (219,760) | 99680 (219,760) |
| Distribution (front) | | 22850 (50,380) | 31898 (70,320) | 31898 (70,320) |
| (rear) | | 49275 (108,630) | 67782 (149,430) | 67782 (149,430) |
| Max. gross vehicle weight** | | 73175 (161,320) | — | — |
| Gross horsepower | kW (HP)/RPM | 379 (508)/2000 | 551 (739)/2000 | 551 (739)/2000 |
| Net horsepower | kW (HP)/RPM | 364 (488)/2000 | 533 (715)/2000 | 533 (715)/2000 |
| HAULING CAPACITY: | | | | |
| Maximum payload | m. ton (U.S. ton) | 41 (45) | 55 (60.6) | 55 (60.6) |
| Heaped capacity (2:1) | $m^3$ ($yd^3$) | 27.3 (35.7) | 34.2 (44.7) | 34.2 (44.7) |
| PERFORMANCE: | | | | |
| Maximum speed | km/h (MPH) | 70 (43.5) | 70 (43.5) | 70 (43.5) |
| Turning radius | m (ft.in) | 7.2 (23'7") | 8.5 (27'11") | 8.5 (27'11") |
| ENGINE: | | KOMATSU | KOMATSU | KOMATSU |
| Model | | SAA6D140E-3 | SAA6D170E-5 | SAA6D170E-5 |
| No. of cylinders- | | 6 | 6 | 6 |
| bore × stroke | mm (in) | 140 × 165 (5.91 × 6.50) | 170 × 170 (6.69 × 6.69) | 170 × 170 (6.69 × 6.69) |
| Displacement | ltr. ($in^3$) | 15.23 (930) | 23.15 (1413) | 23.15 (1413) |
| DIMENSION: | | See DIMENSIONS | | |
| TIRES: | | | | |
| Front tire | | 18.00 R33 × 2 | 24.00-35-36PR × 2 | 24.00-35-36PR × 2 |
| Rear tire | | 18.00 R33 × 4 | 24.00-35-36PR × 4 | 24.00-35-36PR × 4 |
| CAPACITY: Fuel tank | ltr. (U.S. Gal) | 500 (132.0) | 780 (206.1) | 780 (206.1) |

| Item | Model | HD465-7 | •HD605-7E0 | HD605-7R |
|---|---|---|---|---|
| Source | — | Japan | Japan | Japan |
| WEIGHT: | kg (lb) | | | |
| Empty vehicle weight* | | 42800 (94,360) | 46200 (101,850) | 46200 (101,850) |
| Distribution (front) | | 20120 (44,360) | 21714 (47,870) | 21714 (47,870) |
| (rear) | | 22680 (50,000) | 24486 (53,980) | 24486 (53,980) |
| Gross vehicle weight | | 97875 (215,780) | 110180 (242,900) | 110180 (242,900) |
| Distribution (front) | | 31320 (69,050) | 35258 (77,730) | 35258 (77,730) |
| (rear) | | 66555 (146,730) | 74922 (165,170) | 74922 (165,170) |
| Max. gross vehicle weight** | | 98800 (217,810) | — | — |
| Gross horsepower | kW (HP)/RPM | 551 (739)/2000 | 551 (739)/2000 | 551 (739)/2000 |
| Net horsepower | HP | 533 (715)/2000 | 533 (715)/2000 | 533 (715)/2000 |
| HAULING CAPACITY: | | | | |
| Maximum payload | m. ton (U.S. ton) | 55 (61) | 63 (69.4) | 63 (69.4) |
| Heaped capacity (2:1) | $m^3$($yd^3$) | 34.2 (44.7) | 40.0 (52.3) | 40.0 (52.3) |
| PERFORMANCE: | | | | |
| Maximum speed | km/h (MPH) | 70 (43.5) | 70 (43.5) | 70 (43.5) |
| Turning radius | m (ft.in) | 8.5 (27'11") | 8.5 (27'11") | 8.5 (27'11") |
| ENGINE: | | KOMATSU | KOMATSU | KOMATSU |
| Model | | SAA6D170E-3 | SAA6D170E-5 | SAA6D170E-5 |
| No. of cylinders- | | 6 | 6 | 6 |
| bore × stroke | mm (in) | 170 × 170 (6.69 × 6.69) | 170 × 170 (6.69 × 6.69) | 170 × 170 (6.69 × 6.69) |
| Displacement | ltr. ($in^3$) | 23.15 (1.413) | 23.15 (1413) | 23.15 (1413) |
| DIMENSION: | | See DIMENSIONS | | |
| TIRES: | | | | |
| Front tire | | 24.00-35-36PR × 2 | 24.00 R35 × 2 | 24.00 R35 × 2 |
| Rear tire | | 24.00-35-36PR × 4 | 24.00 R35 × 4 | 24.00 R35 × 4 |
| CAPACITY: Fuel tank | ltr. (U.S. Gal) | 780 (206.1) | 780 (206.1) | 780 (206.1) |

* Weight includes lubricants, coolant, full fuel tank and standard body.
** Max. gross vehicle weight, including optional equipment, lubricants, coolant, full fuel tank and payload, with large tires installed, shall not be exceeded .
• Tier 3 and Stage 3A model



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| Item | Model | HD785-7 | HD1500-7 | HD1500-7 |
|---|---|---|---|---|
| Source | — | Japan, Indonesia*** | Japan | USA |
| WEIGHT: | kg (lb) | | | |
| Empty vehicle weight* | | 72000 (158,730) | 105300 (232,140) | 105755 (233,150) |
| Distribution (front) | | 33840 (74,600) | 51175 (112,820) | 51715 (114,010) |
| (rear) | | 38160 (84,130) | 54125 (119,320) | 54040 (119,140) |
| Gross vehicle weight | | 163080 (359,530) | 249478 (550,000) | 249478 (550,000) |
| Distribution (front) | | 51370 (113,250) | 81828 (180,400) | 81828 (180,400) |
| (rear) | | 111710 (246,280) | 167650 (369,600) | 167650 (369,600) |
| Max. gross vehicle weight** | | 166000 (366,000) | 249478 (550,000) | 249478 (550,000) |
| Gross horsepower | kW (HP)/RPM | 895 (1200)/1900 | 1109 (1487)/1900 | 1119 (1500)/1900 |
| Net horsepower | kW (HP)/RPM | 879 (1178)/1900 | 1048 (1406)/1900 | 1044 (1399)/1900 |
| HAULING CAPACITY: | | | | |
| Maximum payload | m. ton (US ton) | 91 (100) | 144.1 (158.9) | 144.1 (158.9) |
| Heaped capacity (2:1) | $m^3$ ($yd^3$) | 60 (78.5) | 78 (102) | 78 (102) |
| PERFORMANCE: | | | | |
| Maximum speed | km/h(MPH) | 65 (40.4) | 58 (36.0) | 58 (36.0) |
| Turning radius | m (ft.in) | 10.1 (33'2") | 12.2 (40'0") | 12.2 (40'0") |
| ENGINE: | | KOMATSU | KOMATSU | KOMATSU |
| Model | | SAA12V140E-3 | SDA12V160 | SDA16V159E-2 |
| No. of cylinders- | | 12 | 12 | 16 |
| bore × stroke | mm (in) | 140 × 165 | 159 × 190 | 159 × 159 |
| | | (5.51 × 6.50) | (6.26 × 7.48) | (6.26 × 6.26) |
| Displacement | ltr. ($in^3$) | 30.48 (1860) | 45.0 (2746) | 50.5 (3082) |
| DIMENSION: | | See DIMENSIONS | | |
| TIRES: | | | | |
| Front tire | | 27.00 R49 × 2 | 33.00 R51 × 2 | 33.00 R51 × 2 |
| Rear tire | | 27.00 R49 × 4 | 33.00 R51 × 4 | 33.00 R51 × 4 |
| CAPACITY: Fuel tank | ltr.(U.S. Gal) | 1308 (345.6) | 2120 (560) | 2120 (560) |

| Item | Model | 730E | 830E-AC | 860E-1K |
|---|---|---|---|---|
| Source | — | USA | USA | USA |
| WEIGHT: | kg (lb) | | | |
| Empty vehicle weight* | | 146060 (322,000) | 164200 (362,000) | 200351 (441,700) |
| Distribution (front) | | 73030 (161,000) | 81279 (179,190) | 98361 (216,850) |
| (rear) | | 73030 (161,000) | 82921 (182,810) | 101990 (224,850) |
| Gross vehicle weight | | 327499 (722,000) | 385848 (850,640) | 454363 (1,001,700) |
| Distribution (front) | | 110040 (242,592) | 127330 (280,710) | 152392 (335,871) |
| (rear) | | 217459 (479,408) | 258518 (569,930) | 301971 (665,829) |
| Max. gross vehicle weight** | | 327499 (722,000) | 385848 (850,640) | 454363 (1,001,700) |
| Gross horsepower | kW (HP)/RPM | 1492 (2000)/1900 | 1865 (2500)/1900 | 2014 (2700)/1900 |
| Net horsepower | kW (HP)/RPM | 1405 (1884)/1900 | 1761 (2360)/1900 | 1902 (2550)/1900 |
| HAULING CAPACITY: | | | | |
| Nominal payload | m. ton (US ton) | 181 (200) | 221.6 (244) | 254 (280) |
| Heaped capacity (2:1) | $m^3$ ($yd^3$) | 148 (193) | 147 (193) | 169 (221) |
| PERFORMANCE: | | | | |
| Maximum speed | km/h (MPH) | 55.7 (34.6) | 64.0 (40) | 64.5 (40) |
| Turning radius | m (ft.in) | 14.0 (46') | 14.2 (46'5") | 15.5 (50'10") |
| ENGINE: | | KOMATSU | KOMATSU | KOMATSU |
| Model | | SSDA16V159 | SDA16V160 | SSDA16V160 |
| No. of cylinders- | | 16 | 16 | 16 |
| bore × stroke | mm (in) | 159 × 159 | 159 × 190 | 159 × 190 |
| | | (6.26 × 6.26) | (6.26 × 7.48) | (6.26 × 7.48) |
| Displacement | ltr. ($in^3$) | 50.3 (3069) | 60.2 (3673) | 60.2 (3673) |
| DIMENSION: | | See DIMENSIONS | | |
| TIRES: | | | | |
| Front tire | | 37.00 R57 × 2 | 40.00 R57 × 2 | 50/80 R57 × 2 |
| Rear tire | | 37.00 R57 × 4 | 40.00 R57 × 4 | 50/80 R57 × 4 |
| CAPACITY: Fuel tank | ltr. (U.S. Gal) | 3028 (800) | 4542 (1200) | 4542 (1200) |

* Weight includes lubricants, coolant, full fuel tank and standard body.
** Max. gross vehicle weight, including optional equipment, lubricants, coolant, full fuel tank and payload, with large tires installed, shall not be exceeded .
*** Including India and Russia
*4 Weight includes lubricants, coolant, 50% fuel tank and standard body. Max. gross vehicle weight, including optional equipment, lubricants, coolant, 50% fuel tank and payload, with large tires installed, shall not be exceeded.
• Tier 3 and Stage 3A model



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| Item | Model | 930E-4*4 | 930E-4SE*4 | 960E-2 |
|---|---|---|---|---|
| Source | — | USA | USA | USA |
| WEIGHT: | kg (lb) | | | |
| Empty vehicle weight* | | 210187 (463,383) | 215307 (474,670) | 249475 (550,000) |
| Distribution (front) | | 99711 (219,826) | 104459 (230,293) | 123490 (272,250) |
| (rear) | | 110476 (243,557) | 110847 (244,377) | 125985 (272,750) |
| Gross vehicle weight | | 501974 (1,106,670) | 505755 (1,115,000) | 576072 (1,270,000) |
| Distribution (front) | | 165651 (365,201) | 165956 (365,871) | 190104 (419,100) |
| (rear) | | 336323 (741,469) | 339649 (748,799) | 385968 (850,900) |
| Max. gross vehicle weight** | | 501974 (1,106,670) | 505755 (1,115,000) | 576072 (1,270,000) |
| Gross horsepower | kW (HP)/RPM | 2014 (2700)/1900 | 2611 (3500)/1900 | 2610 (3500)/1900 |
| Net horsepower | kW (HP)/RPM | 1902 (2550)/1900 | 2495 (3346)/1900 | 2495 (3346)/1900 |
| HAULING CAPACITY: | | | | |
| Nominal payload | m. ton (US ton) | 291.8 (320) | 290.4 (320) | 327 (360) |
| Heaped capacity (2:1) | $m^3$ ($yd^3$) | 211 (276) | 211 (276) | 214 (280) |
| PERFORMANCE: | km/h (MPH) | | | |
| Maximum speed | | 64.5 (40) | 64.5 (40.0) | 64.5 (40) |
| Turning radius | m (ft.in) | 15.2 (48'9") | 14.85 (48'9") | 16 (52'6") |
| ENGINE: | | KOMATSU | KOMATSU | KOMATSU |
| Model | | SSDA16V160 | SSDA18V170 | SSDA18V170 |
| No. of cylinders- | | 16 | 18 | 18 |
| bore × stroke | mm (in) | 159 × 190 (6.26 × 7.48) | 170 × 190 (6.69 × 7.48) | 170 × 190 (6.69 × 7.48) |
| Displacement | ltr. ($in^3$) | 60.2 (3673) | 70.0 (4271) | 70.0 (7271) |
| DIMENSION: | | See DIMENSIONS | | |
| TIRES: | | | | |
| Front tire | | 53/80 R63 × 2 | 53/80 R63 × 2 | 56/80 R63 × 2 |
| Rear tire | | 53/80 R63 × 4 | 53/80 R63 × 4 | 56/80 R63 × 4 |
| CAPACITY: Fuel tank | ltr. (U.S. Gal) | 4542 (1200) | 5300 (1,400) | 5300 (1400) |

| Item | Model | 960E-2K | | |
|---|---|---|---|---|
| Source | — | USA | | |
| WEIGHT: | kg (lb) | | | |
| Empty vehicle weight* | | 249475 (550,000) | | |
| Distribution (front) | | 123490 (272,250) | | |
| (rear) | | 125985 (272,750) | | |
| Gross vehicle weight | | 576072 (1,270,000) | | |
| Distribution (front) | | 190104 (419,100) | | |
| (rear) | | 385968 (850,900) | | |
| Max. gross vehicle weight** | | 576072 (1,270,000) | | |
| Gross horsepower | kW (HP)/RPM | 2610 (3500)/1900 | | |
| Net horsepower | kW (HP)/RPM | 2495 (3346)/1900 | | |
| HAULING CAPACITY: | | | | |
| Nominal payload | m. ton (US ton) | 327 (360) | | |
| Heaped capacity (2:1) | $m^3$ ($yd^3$) | 214 (280) | | |
| PERFORMANCE: | km/h (MPH) | | | |
| Maximum speed | | 64.5 (40) | | |
| Turning radius | m (ft.in) | 16 (52'6") | | |
| ENGINE: | | KOMATSU | | |
| Model | | SSDA18V170 | | |
| No. of cylinders- | | 18 | | |
| bore × stroke | mm (in) | 170 × 190 (6.69 × 7.48) | | |
| Displacement | ltr. ($in^3$) | 70.0 (7271) | | |
| DIMENSION: | | | | |
| TIRES: | | | | |
| Front tire | | 56/80 R63 × 2 | | |
| Rear tire | | 56/80 R63 × 4 | | |
| CAPACITY: Fuel tank | ltr. (U.S. Gal) | 5300 (1400) | | |

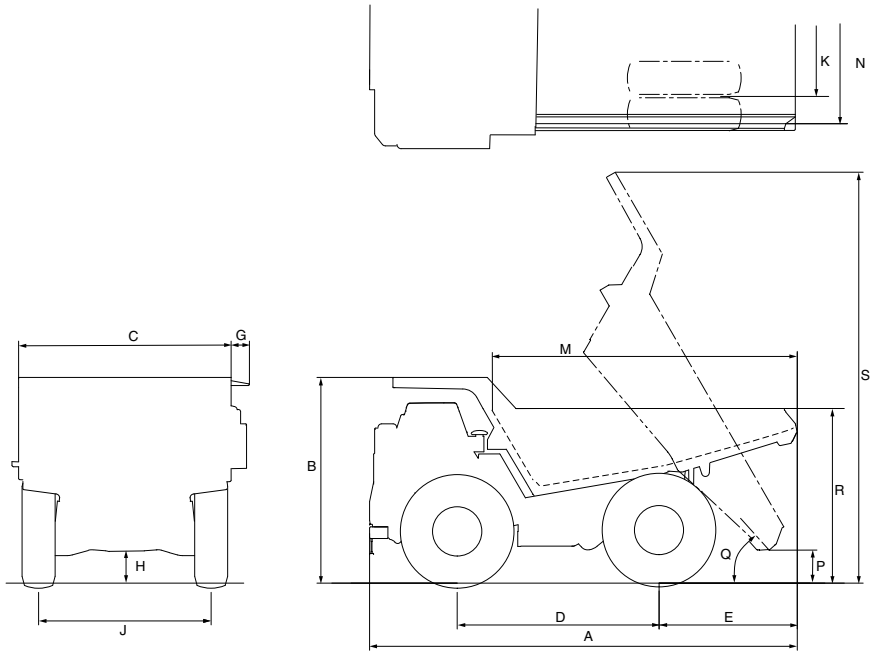
* Weight includes lubricants, coolant, full fuel tank and standard body.
** Max. gross vehicle weight, including optional equipment, lubricants, coolant, full fuel tank and payload, with large tires installed, shall not be exceeded .
*** Including India and Russia
*4 Weight includes lubricants, coolant, 50% fuel tank and standard body. Max. gross vehicle weight, including optional equipment, lubricants, coolant, 50% fuel tank and payload, with large tires installed, shall not be exceeded.



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Unit: mm (ft.in)

| | HD255-5 | HD325-7<br>HD325-7R | HD325-6 | HD405-7<br>HD405-7R | HD405-6 | HD465-7E0<br>HD465-7R |
|---|---|---|---|---|---|---|
| Tires | 16.00 R25 | 18.00-33-32PR | 18.00-33-28PR | 18.00 R33 | 18.00 R33 | 24.00-35-36PR |
| A | 7390<br>(24'3") | 8465<br>(27'9") | 8365<br>(27'5") | 8465<br>(27'9") | 8365<br>(27'5") | 9355<br>(30'8") |
| B* | 3590<br>(11'9") | 4150<br>(13'7") | 4150<br>(13'7") | 4150<br>(13'7") | 4150<br>(13'7") | 4400<br>(14'5") |
| C | 3200<br>(10'6") | 3660<br>(12'0") | 3660<br>(12'0") | 3660<br>(12'0") | 3660<br>(12'0") | 4170<br>(13'8") |
| D | 3600<br>(11'10") | 3750<br>(12'4") | 3750<br>(12'4") | 3750<br>(12'4") | 3750<br>(12'4") | 4300<br>(14'1") |
| E | 2140<br>(7') | 2730<br>(8'11") | 2630<br>(8'8") | 2730<br>(8'11") | 2630<br>(8'8") | 3070<br>(10'1") |
| G | 495<br>(1'7") | —<br>— | 480<br>(1'7") | —<br>— | 480<br>(1'7") | —<br>— |
| H | 410<br>(1'4") | 500<br>(1'8") | 500<br>(1'8") | 500<br>(1'8") | 500<br>(1'8") | 604<br>(2'0") |
| J | 2700<br>(8'10") | 3150<br>(10'4") | 3150<br>(10'4") | 3150<br>(10'4") | 3150<br>(10'4") | 3515<br>(11'6") |
| K | 2225<br>(7'4") | 2550<br>(8'4") | 2550<br>(8'4") | 2550<br>(8'4") | 2550<br>(8'4") | 3080<br>(10'1") |
| M | 4570<br>(15') | 5500<br>(18'1") | 5500<br>(18'1") | 5590<br>(18'4") | 5590<br>(18'4") | 6450<br>(21'2") |
| N | 2995<br>(9'10") | 3380<br>(11'1") | 3380<br>(11'1") | 3380<br>(11'1") | 3380<br>(11'1") | 3870<br>(12'8") |
| P | 560<br>(1'10") | 480<br>(1'7") | 530<br>(1'9") | 480<br>(1'7") | 530<br>(1'9") | 560<br>(1'6") |
| Q | 49° | 48° | 48° | 48° | 48° | 48° |
| R | 2975<br>(9'9") | 3220<br>(10'7") | 3200<br>(10'6") | 3450<br>(11'4") | 3430<br>(11'3") | 3600<br>(11'10") |
| S | 7110<br>(23'4") | 8000<br>(26'3") | 7885<br>(25'10") | 8000<br>(26'3") | 7885<br>(25'10") | 8800<br>(28'10") |

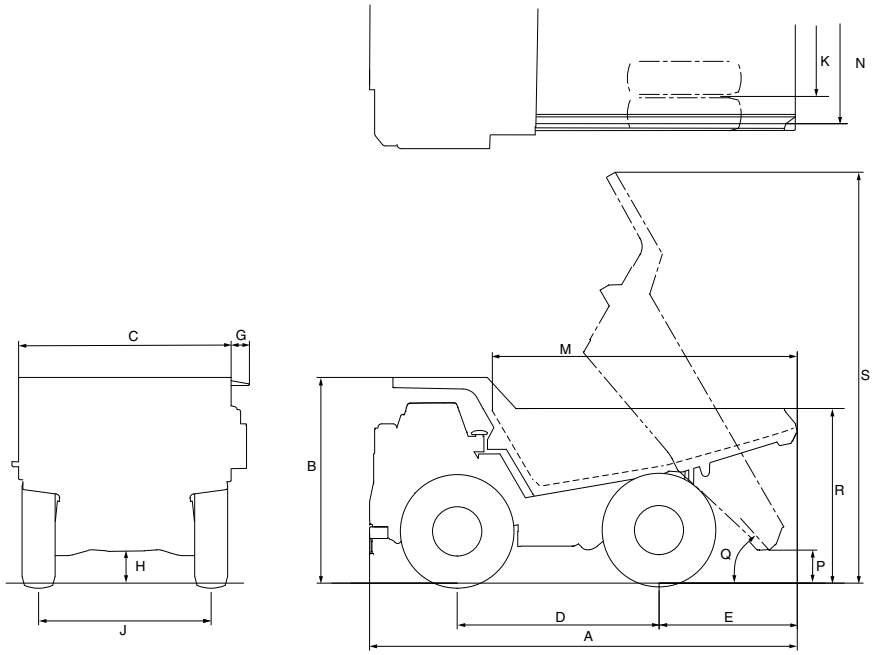
* Includes canopy spill guard.
** USA source



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Unit: mm (ft.in)

| | HD465-7 | HD605-7E0<br>HD605-7R | HD785-7 | HD1500-7 | HD1500-7** | 730E |
|---|---|---|---|---|---|---|
| Tires | 24.00-35-36PR | 24.00 R35 | 27.00 R49 | 33.00 R51 | 33.00 R51 | 37.00 R57 |
| A | 9355<br>(30'8") | 9355<br>(30'8") | 10290<br>(33'9") | 11370<br>(37'4") | 11546<br>(37'11") | 13700<br>(45'0") |
| B* | 4400<br>(14'5") | 4400<br>(14'5") | 5050<br>(16'7") | 5850<br>(19'2") | 5850<br>(19'2") | 6810<br>(22'4") |
| C | 4170<br>(13'8") | 4170<br>(13'8") | 5530<br>(18'2") | 6090<br>(20'0") | 6090<br>(20'0") | 7140<br>(23'5") |
| D | 4300<br>(14'1") | 4300<br>(14'1") | 4950<br>(16'3") | 5400<br>(17'9") | 5400<br>(17'9") | 5840<br>(19'2") |
| E | 3070<br>(10'1") | 3070<br>(10'1") | 3190<br>(10'6") | 3495<br>(11'6") | 3495<br>(11'6") | 3850<br>(12'6") |
| G | 480<br>(1'7") | —<br>— | 450<br>(1'6") | 530<br>(1'9") | 530<br>(1'9") | —<br>— |
| H | 645<br>(2'1") | 604<br>(2'0") | 775<br>(2'7") | 880<br>(2'11") | 880<br>(2'11") | —<br>— |
| J | 3515<br>(11'6") | 3515<br>(11'6") | 4325<br>(14'2") | 5010<br>(16'5") | 5010<br>(16'5") | 5700<br>(18'8") |
| K | 3080<br>(10'1") | 3080<br>(10'1") | 3500<br>(11'6") | 4020<br>(13'2") | 4020<br>(13'2") | 4580<br>(15'0") |
| M | 6450<br>(21'2") | 6600<br>(21'8") | 7065<br>(23'2") | 7625<br>(25'0") | 7625<br>(25'0") | 8380<br>(27'6") |
| N | 3870<br>(12'8") | 3870<br>(12'8") | 5200<br>(17'1") | 5705<br>(18'9") | 5705<br>(18'9") | 6870<br>(22'7") |
| P | 560<br>(1'10") | 560<br>(1'6") | 985<br>(3'3") | 1650<br>(5'5") | 1650<br>(5'5") | 1940<br>(6'4") |
| Q | 48° | 48° | 48° | 45° | 45° | 40.85° |
| R | 3600<br>(11'10") | 3860<br>(12'8") | 4285<br>(14'1") | 4965<br>(16'3") | 4965<br>(16'3") | 6030<br>(19'8") |
| S | 8800<br>(28'10") | 8800<br>(28'10") | 10080<br>(33'1") | 11440<br>(37'6") | 11440<br>(37'6") | 13100<br>(42'11") |

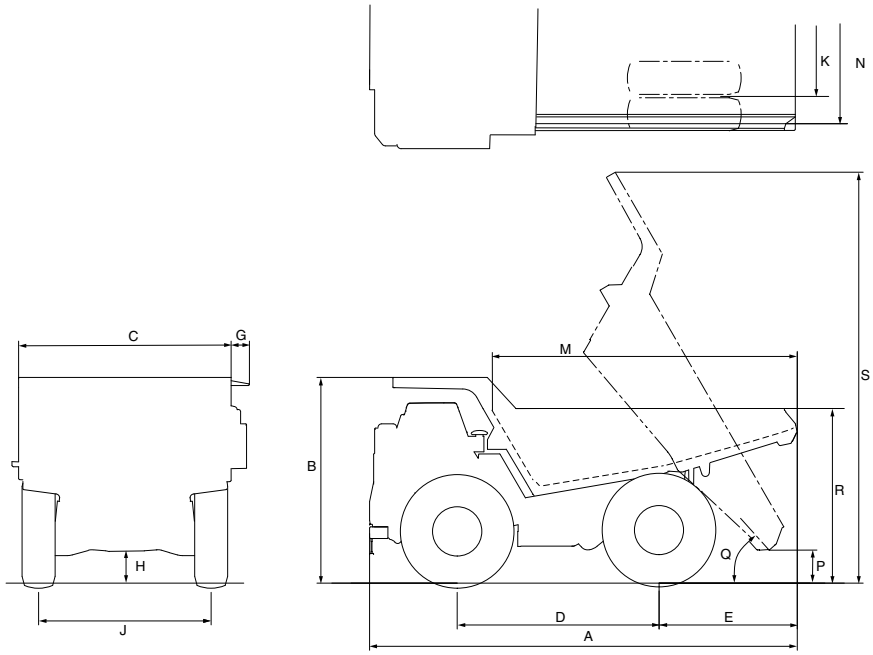
* Includes canopy spill guard.
** USA source



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Unit: mm (ft.in)

| | 830E-AC | 860E-1K | 930E-4 | 930E-4SE | 960E-2 | 960E-2K |
|---|---|---|---|---|---|---|
| Tires | 40.00 R57 | 50/80 R57 | 53/80 R63 | 53/80 R63 | 56/80 R63 | 56/80 R63 |
| A | 14400 (47'3") | 14930 (49'0") | 15600 (51'2") | 15600 (51'2") | 15600 (51'2") | 15340 (50'4") |
| B* | 6880 (22'7") | 7300 (23'11") | 7370 (24'2") | 7370 (24'2") | 7370 (24'2") | 7670 (25'2") |
| C | 7260 (23'10") | 8330 (27'4") | 8690 (28'6") | 8690 (28'6") | 9190 (30'2") | 9190 (30'2") |
| D | 6350 (20'10") | 6300 (20'8") | 6350 (20'10") | 6350 (20'10") | 6650 (21'10") | 6630 (21'9") |
| E | 3990 (13'1") | 4160 (13'8") | 4780 (15'8") | 4800 (15'9") | 4470 (14'8") | 4240 (13'11") |
| G | 60 (2.4") | — — | — — | — — | — — | — — |
| H | 1280 (4'2") | 850 (2'9") | 940 (3'1") | 940 (3'1") | 1020 (3'4") | 1020 (3'4") |
| J | 5770 (18'11") | 6090 (20'0") | 6150 (20'2") | 6150 (20'2) | 6300 (20'8") | 6290 (20'8") |
| K | 4880 (16'0") | 5150 (16'11") | 5360 (17'7") | 5360 (17'7") | 5640 (18'6") | 5640 (18'6") |
| M | 8870 (29'1") | 9210 (30'3") | 9450 (31'0") | 9380 (30'9") | 9500 (31'2") | 9290 (30'6") |
| N | 6860 (22'6") | 7650 (25'1") | 8150 (26'9") | 8150 (26'9") | 8660 (28'5") | 7260 (23'10") |
| P | 1840 (6'0") | 1930 (6'4") | 1550 (5'1") | 1550 (5'1") | 1700 (5'7") | 2080 (6'8") |
| Q | 45° | 45° | 45° | 45° | 45° | 45° |
| R | 6710 (22'0") | 6390 (20'11") | 7060 (23'2") | 7060 (23'2") | 7140 (23'5") | 7390 (24'3") |
| S | 13410 (44'0") | 14040 (46'1") | 14020 (46'0") | 14020 (46'0") | 14100 (46'3") | 15510 (51'1") |

* Includes canopy spill guard.



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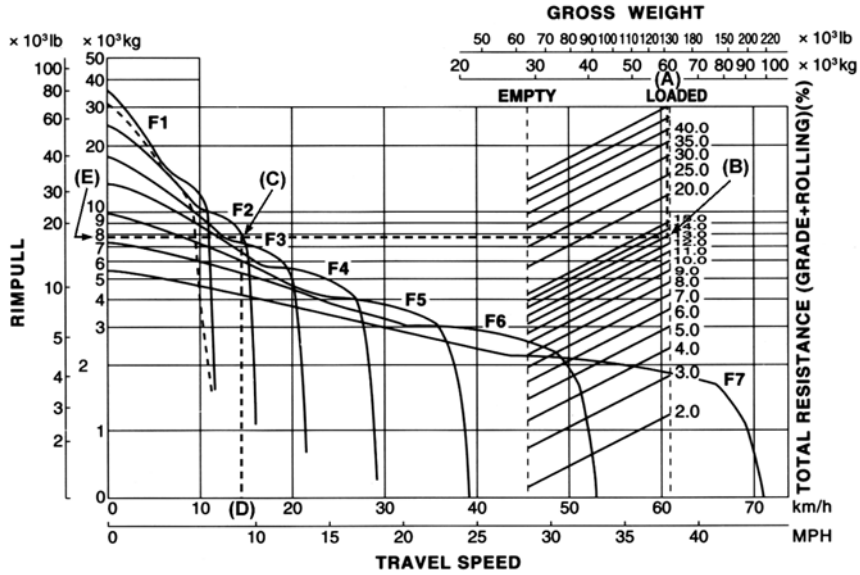
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## How to use the travel performance curve

For assessing a vehicle's grade-ability, travel speed, rim pull, etc. First, draw a vertical line according to the vehicle's weight (A) and mark the point (B) corresponding to total resistance (the sum of rolling resistance and grade resistance). Next, draw a horizontal line from (B), then mark (C) where the line intersects the rim pull curve and read (E) for the rim pull. For travel speed (D), draw a vertical line downward from (C).

For instance, when traveling an 8% gradient and encountering a 5% rolling resistance, a vehicle with a 32 ton (35-U.S. ton) payload should have a rim pull of 8 tons (17,640 lb) and travel at a speed of 15 km/h (9.3 MPH) in forward 2nd gear.



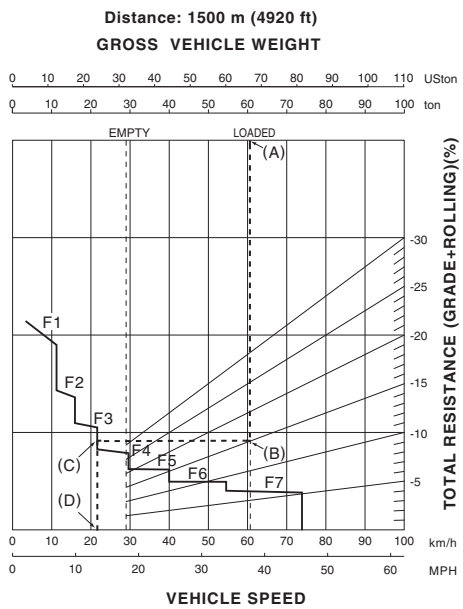

## How to use the brake performance curve

These curves are provided for establishing the maximum speed and gearshift position for safe descent of a road with a given gradient at a given distance.

For example, let us assume the total resistance is –15% (gradient resistance –16% plus rolling resistance +1%) on the 1500m (4,920 ft) graph.

First, draw a vertical line from the total vehicle weight (A) so that it crosses the slanted line of –15% total resistance (B). From (B), draw a horizontal line to the left and it will cross the stair curve at (C). Finally, draw a vertical line from (C) and read (D) the maximum speed for driving safely down the slope.

In this case, a vehicle with a 32-ton payload should travel at approximately 22km/h (13.7MPH) with the F3 gear.




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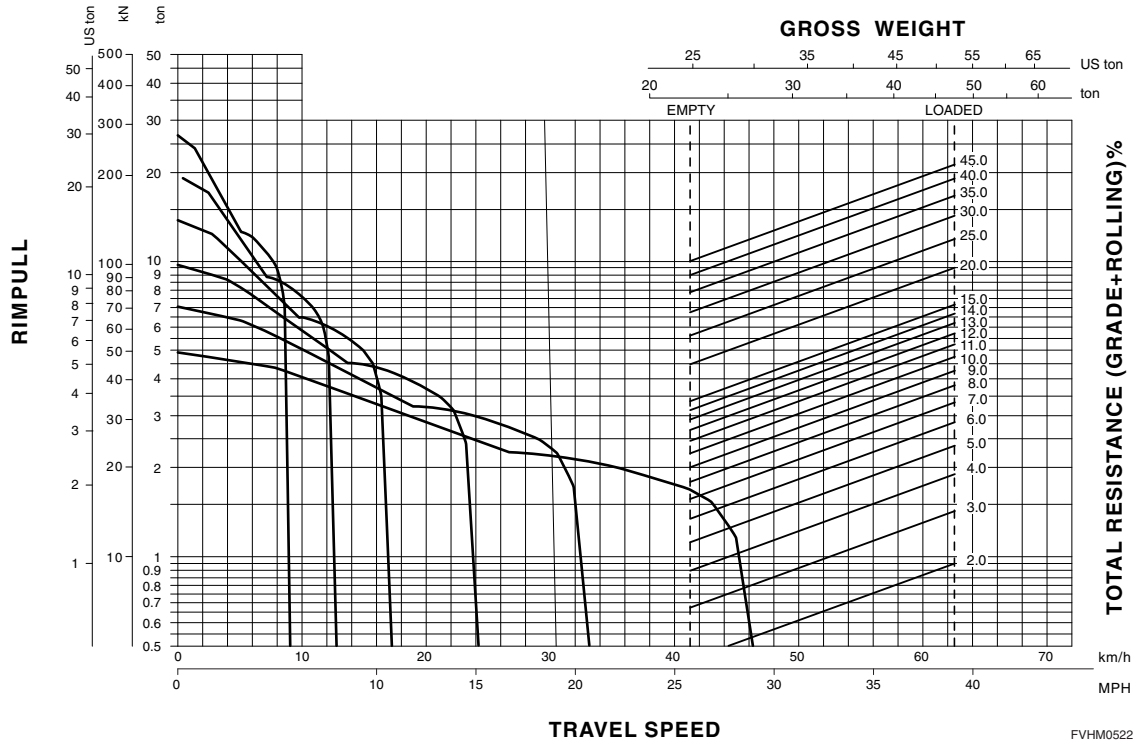


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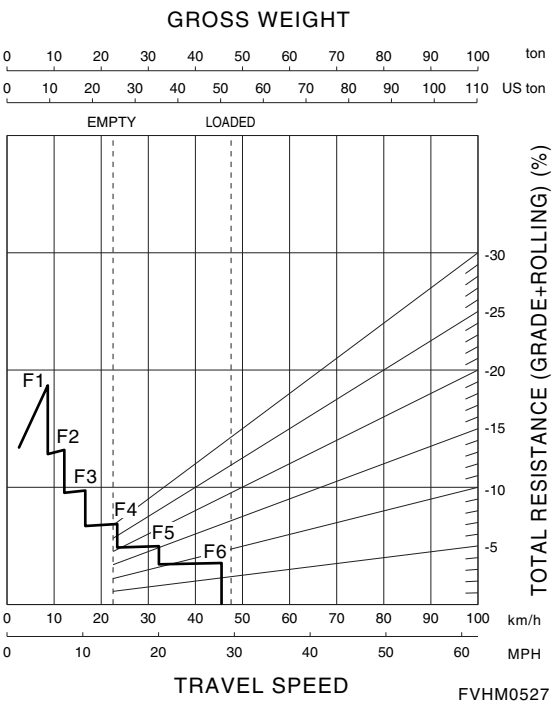


## Travel Performance Curve

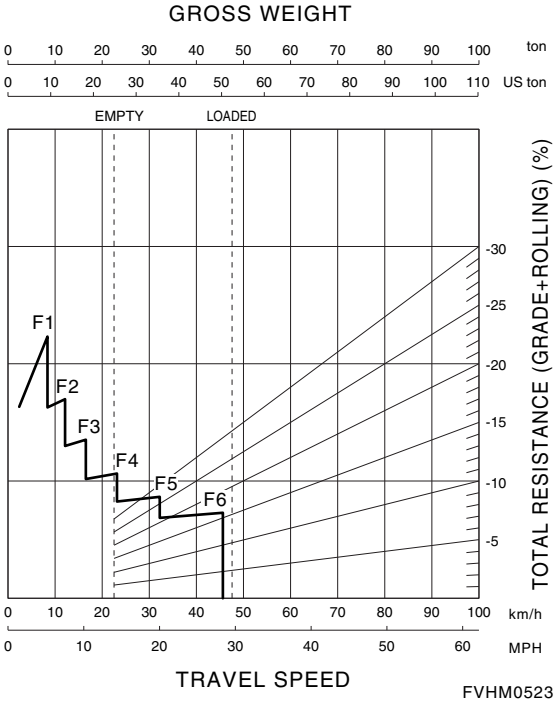



## Brake performance

### GRADE DISTANCE: Continuous




### GRADE DISTANCE: 450 m (1,500 ft)





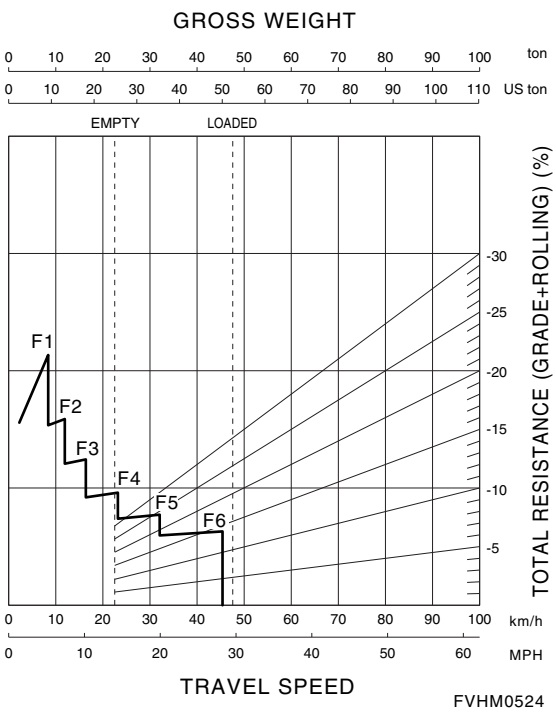

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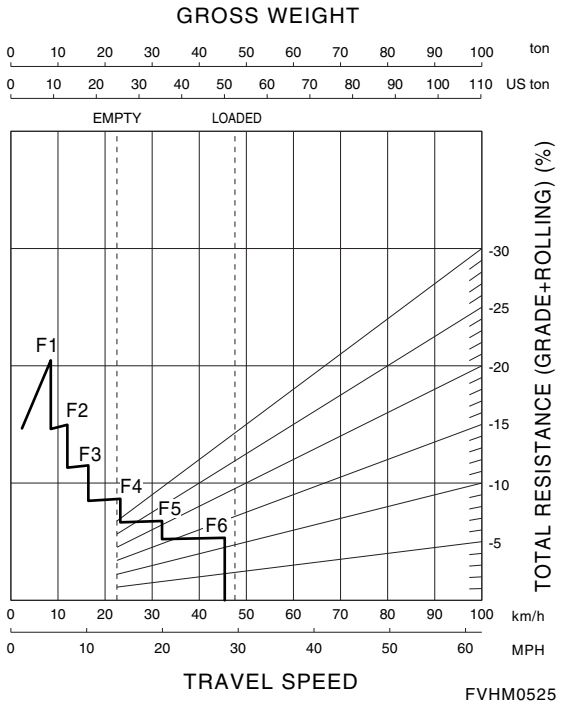


## Brake performance

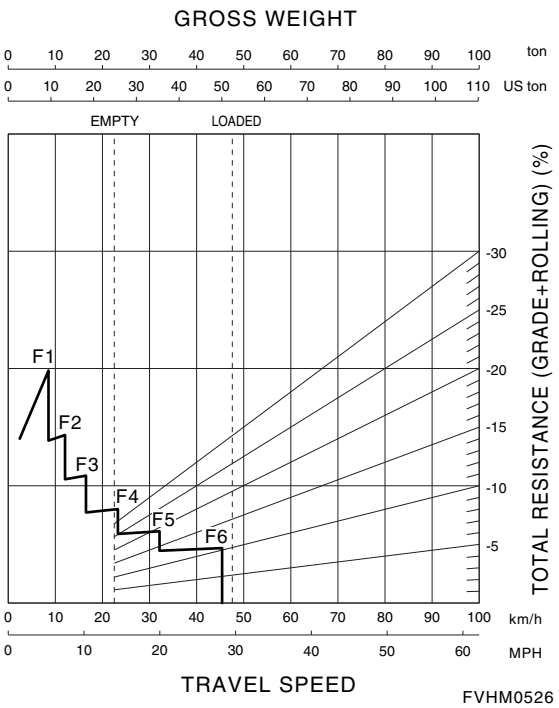
### GRADE DISTANCE: 600 m (2,000 ft)




### GRADE DISTANCE: 900 m (3,000 ft)




### GRADE DISTANCE: 1500 m (5,000 ft)



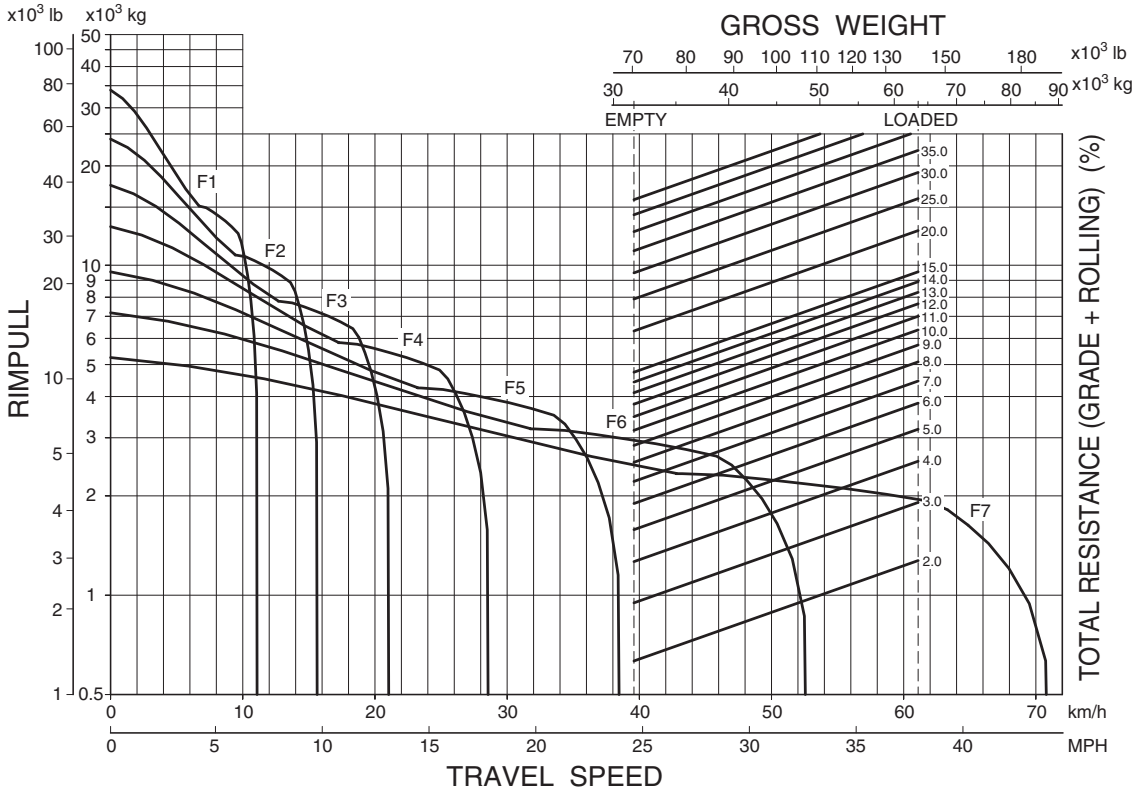



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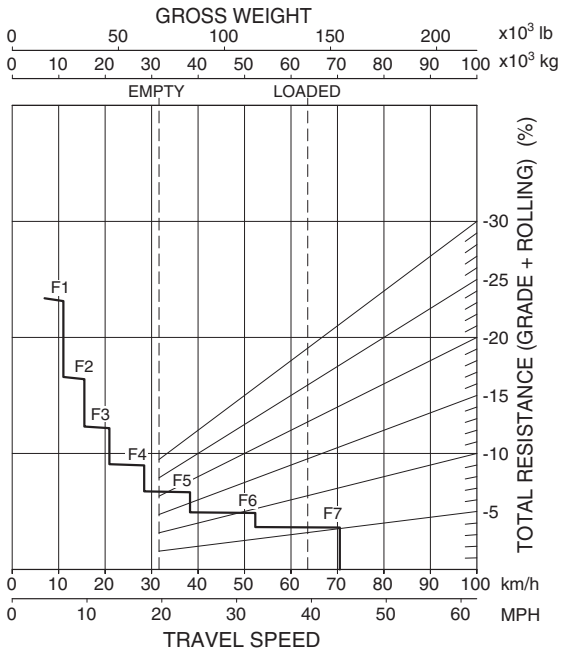


## Travel Performance Curve

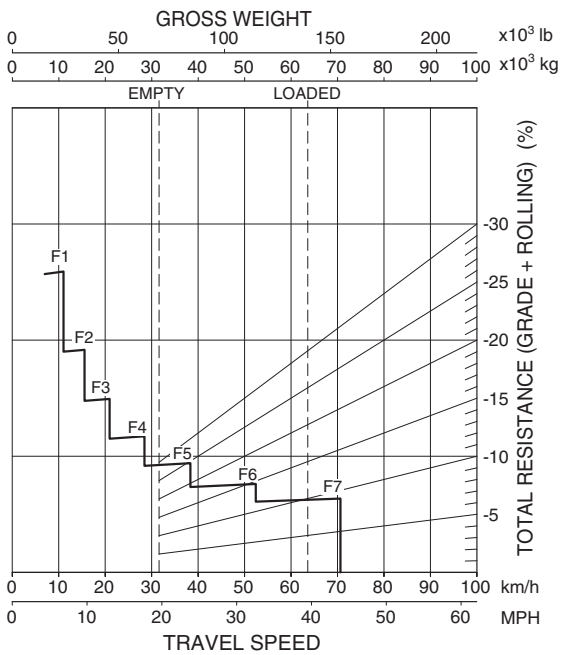



## Brake performance

GRADE DISTANCE : CONTINUOUS DESCENT




GRADE DISTANCE : 450 m (1,500 ft)





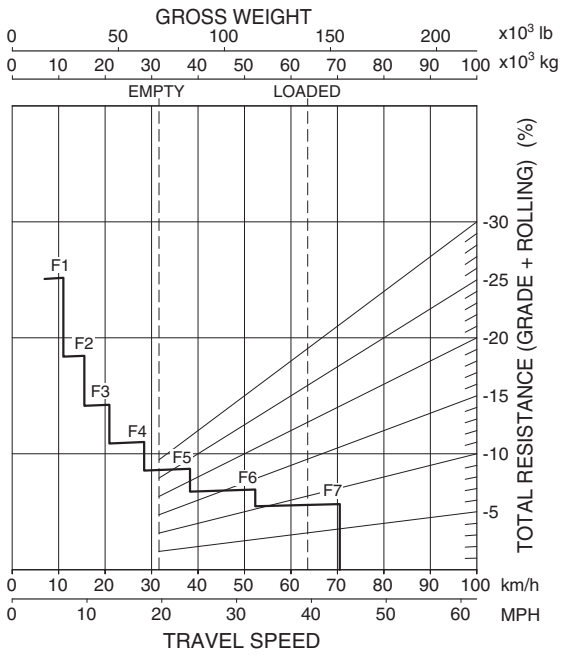

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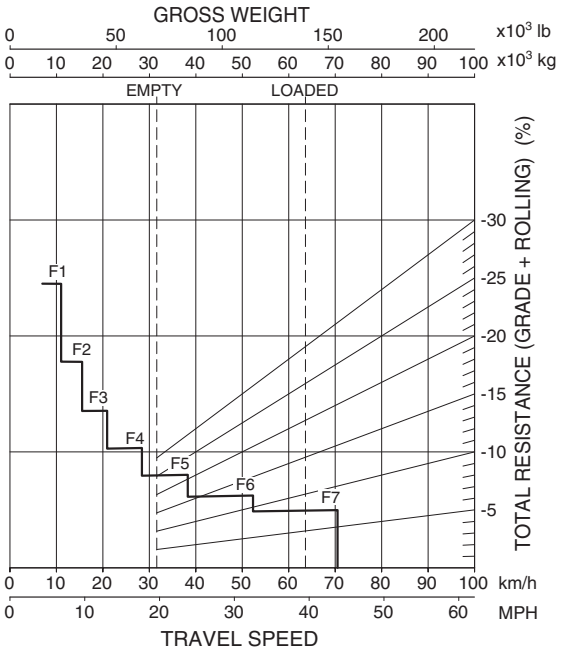


## Brake performance

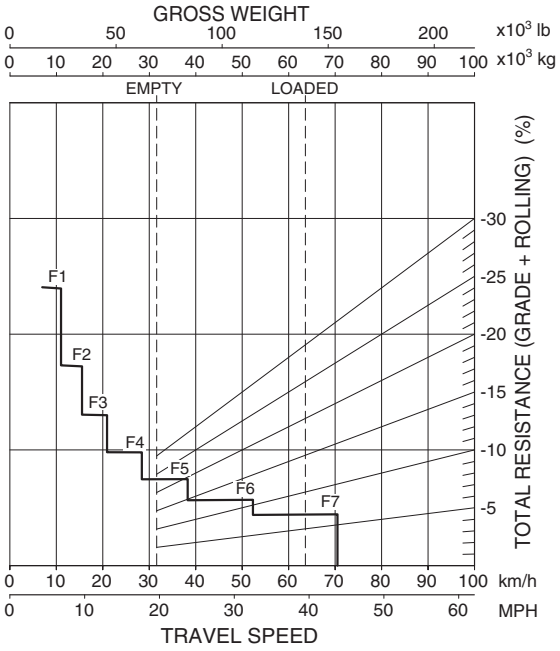
GRADE DISTANCE : 600 m (2,000 ft)




GRADE DISTANCE : 900 m (3,000 ft)




GRADE DISTANCE : 1500 m (5,000 ft)



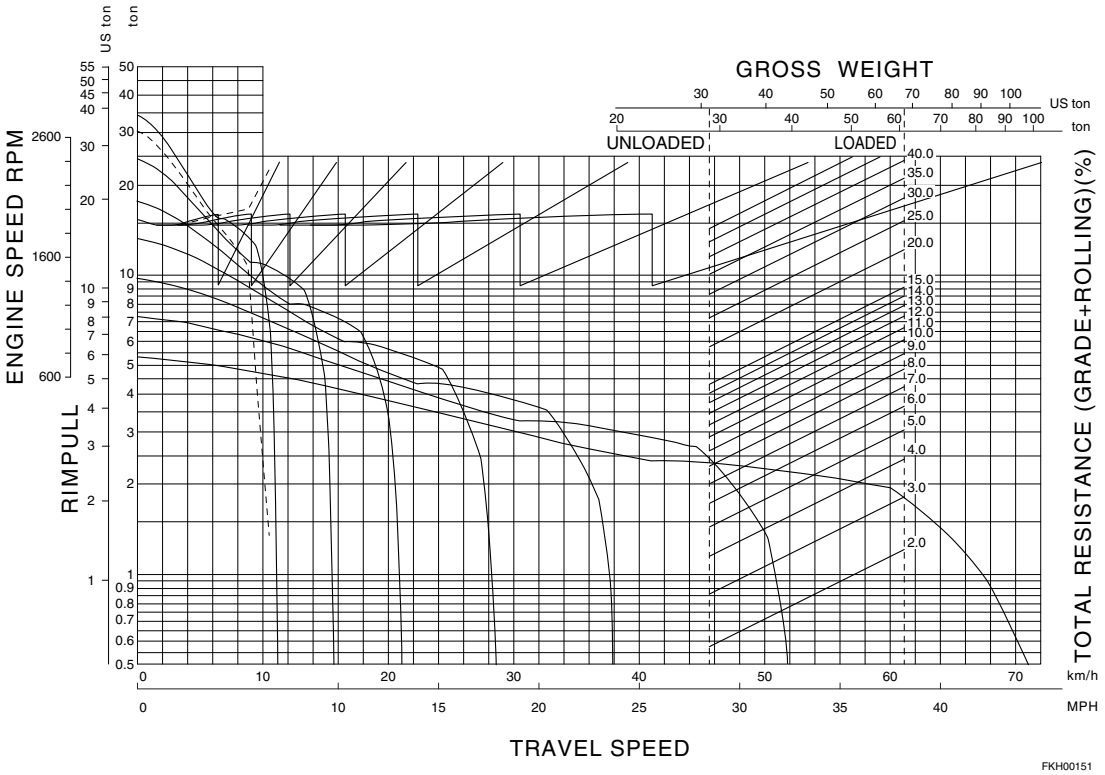



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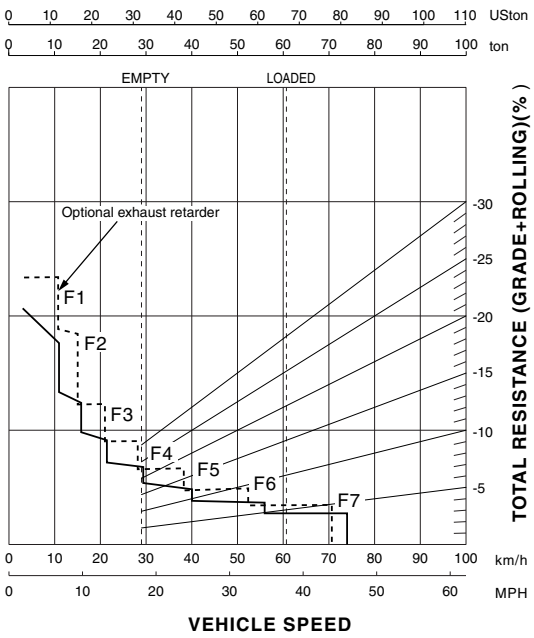


## Travel Performance Curve



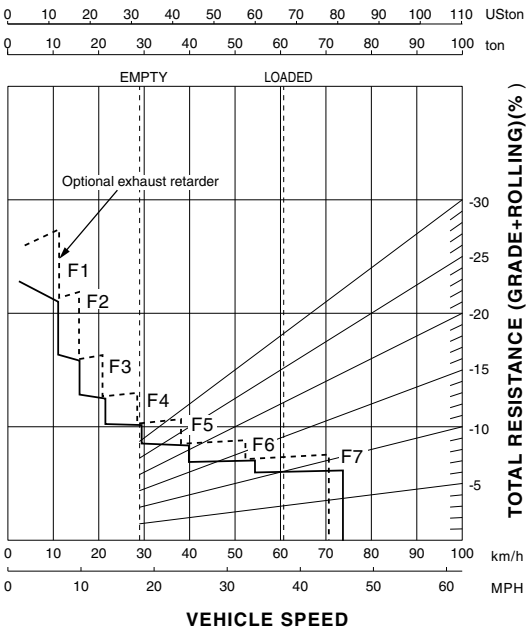

## Brake performance

### Distance: Continuous




FVBH0064

### Distance: 450 m (1500 ft)




FVBH0065



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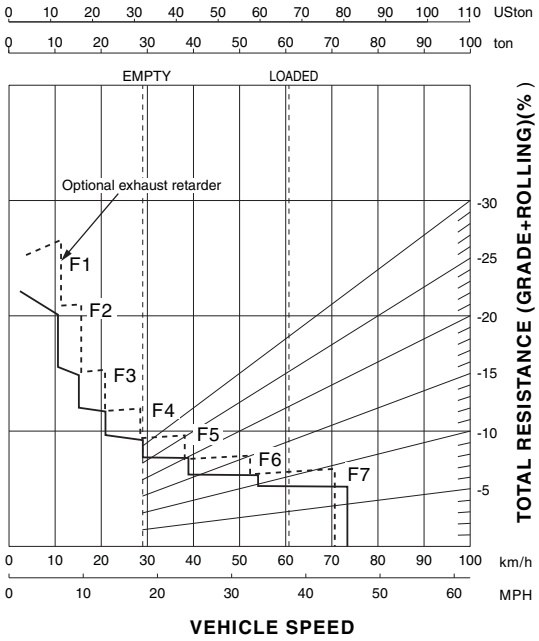
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## Brake performance

### Distance: 600 m (2000 ft)

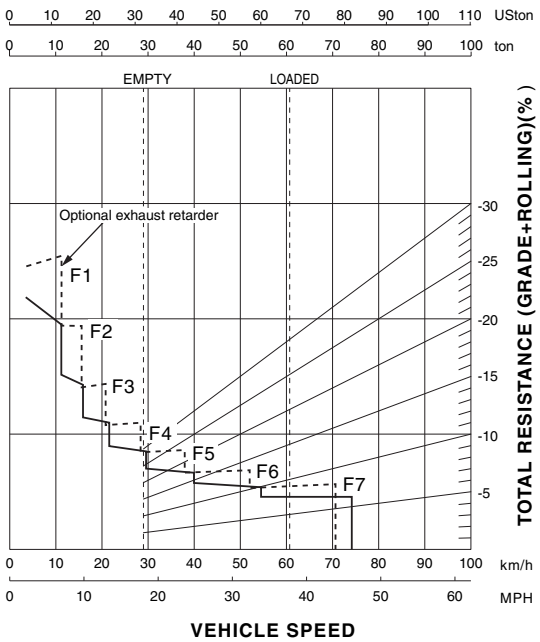
GROSS VEHICLE WEIGHT




FVBH0066

### Distance: 900 m (3000 ft)

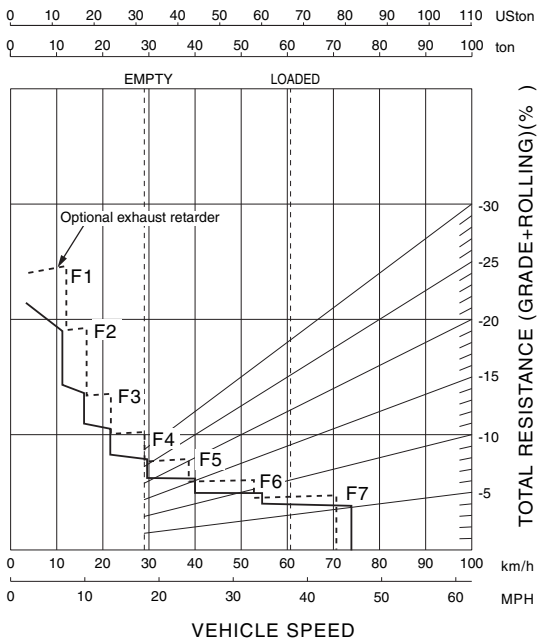
GROSS VEHICLE WEIGHT




FVBH0067

### Distance: 1500 m (5000 ft)

GROSS VEHICLE WEIGHT




FVBH0068

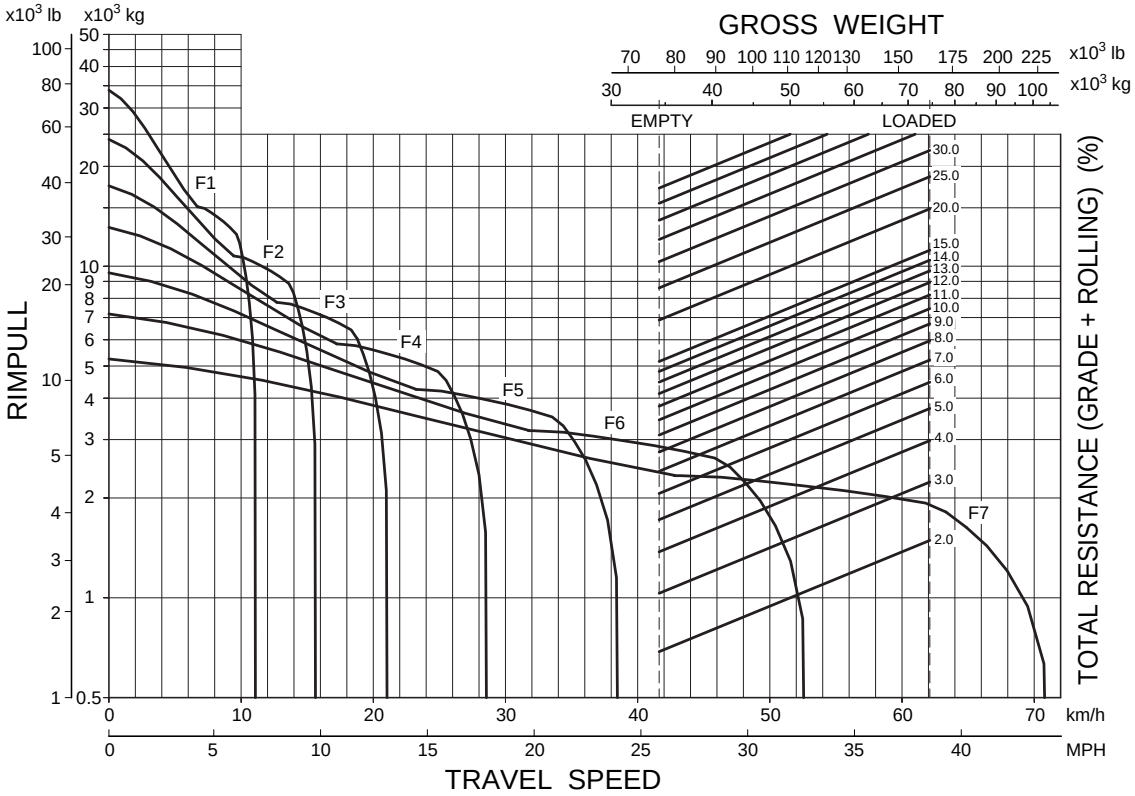


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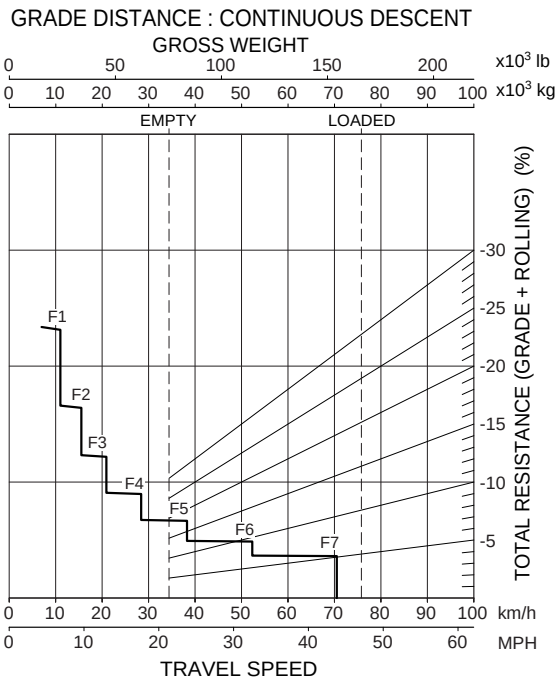
www.CarGeek.ir

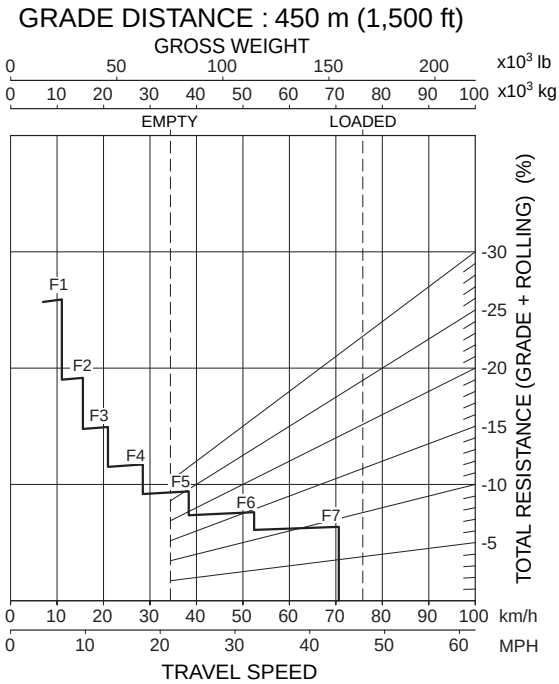


## Travel Performance Curve




## Brake performance





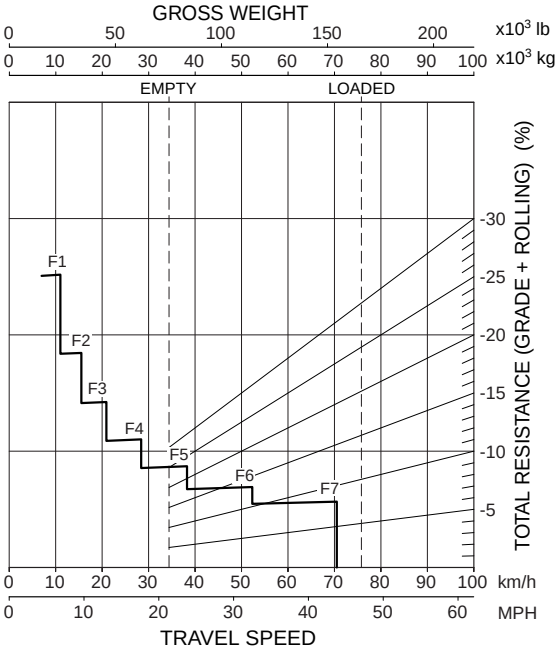

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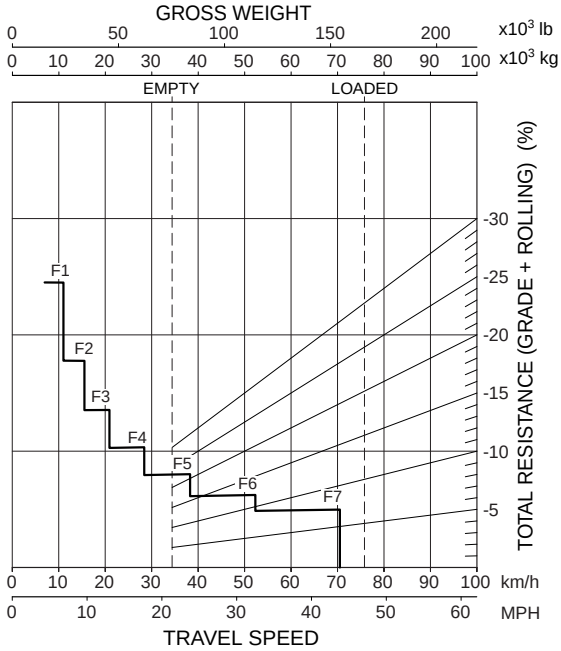


**Brake performance**

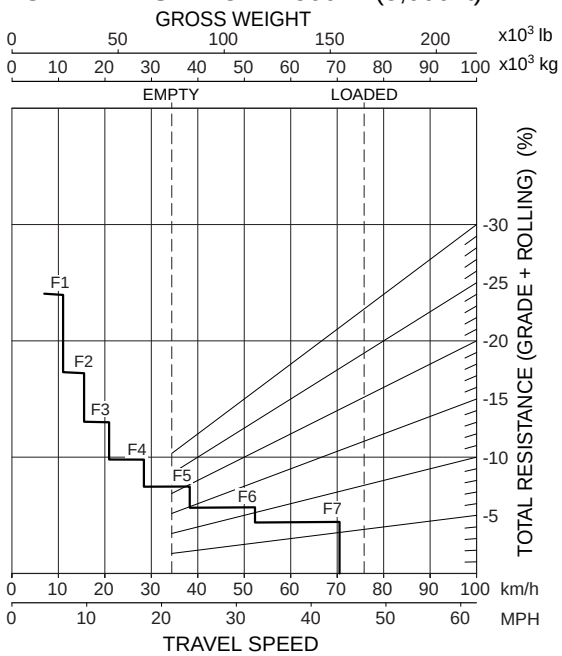
GRADE DISTANCE : 600 m (2,000 ft)




GRADE DISTANCE : 900 m (3,000 ft)




GRADE DISTANCE : 1500 m (5,000 ft)



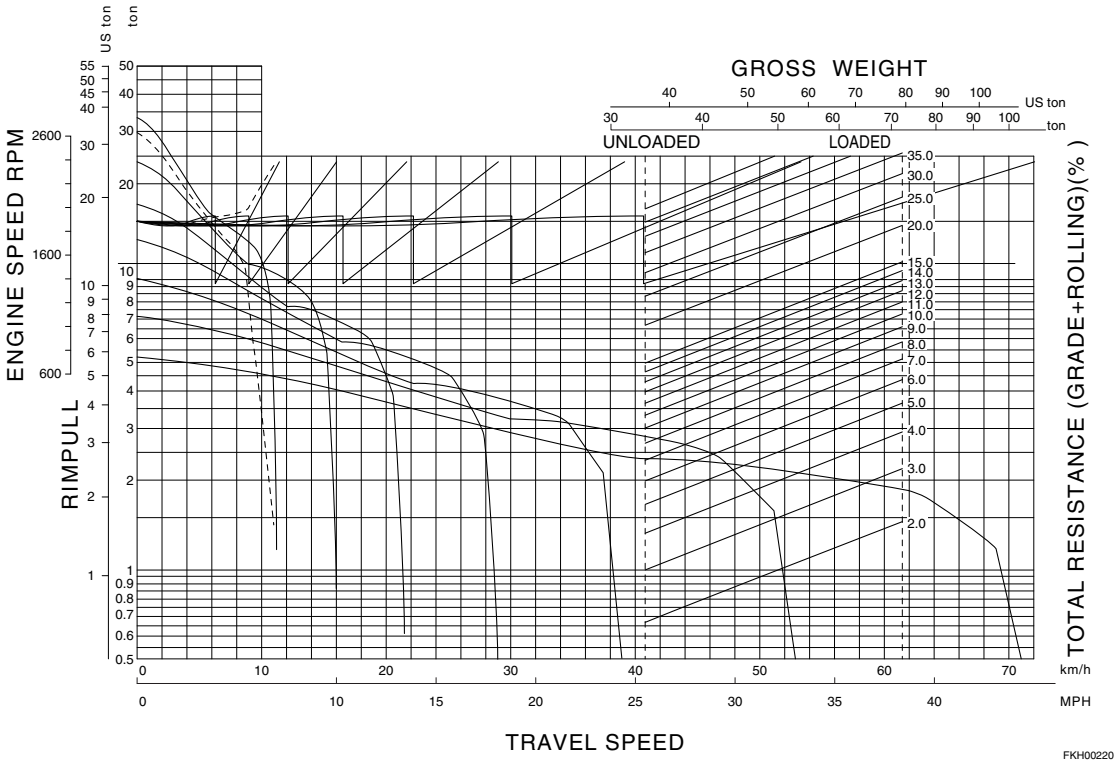



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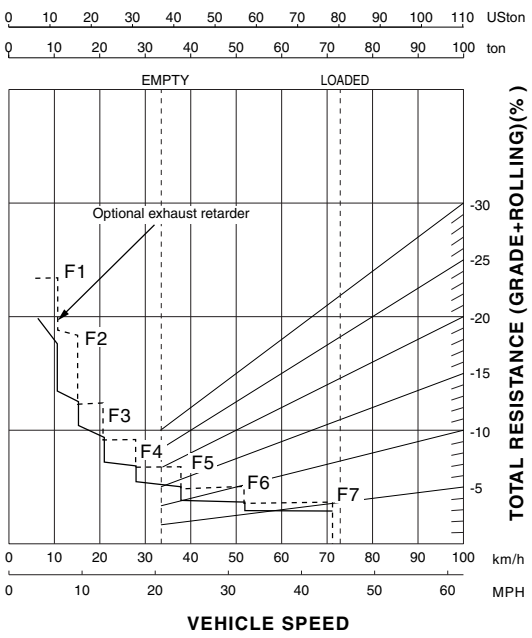


## Travel Performance Curve



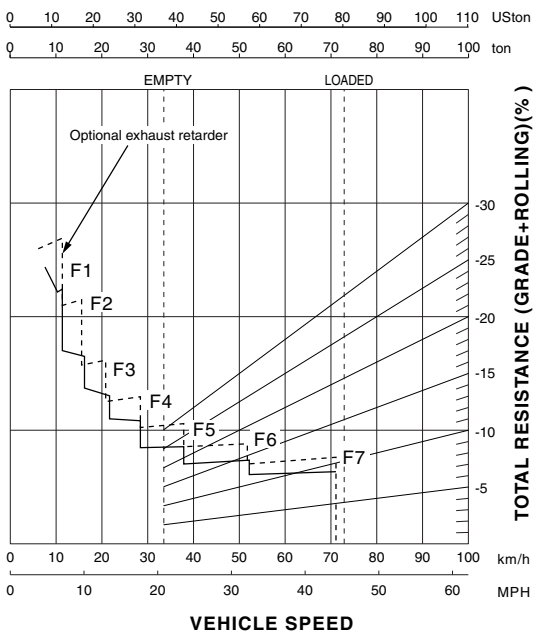

## Brake performance

### Distance: Continuous Descent




FVBH0069

### Distance: 450 m (1500 ft)




FVBH00070



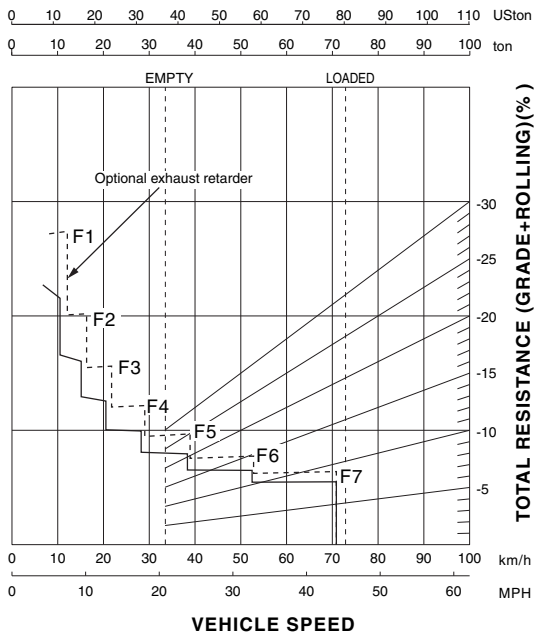
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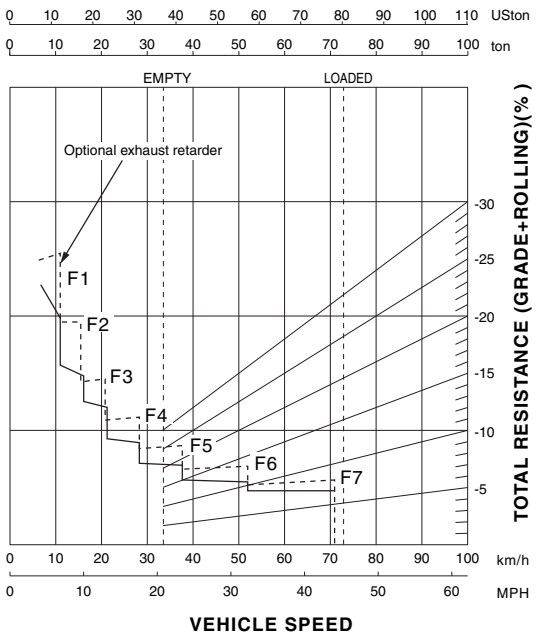
## Brake performance

### Distance: 600 m (2000 ft)



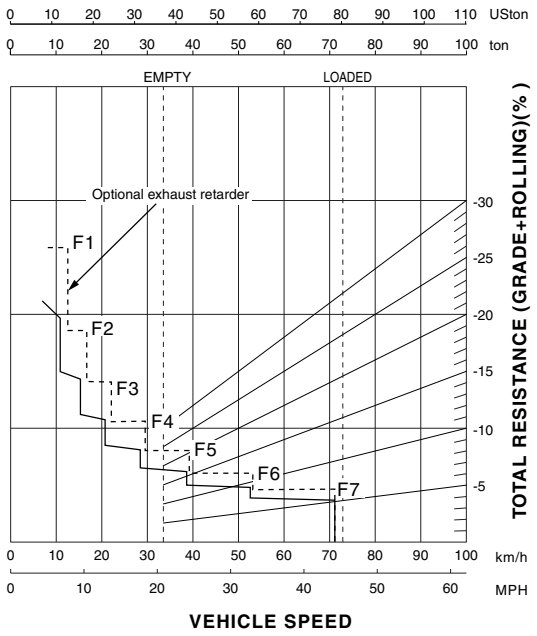

FVBH0071

### Distance: 900 m (3000 ft)




FVBH0072

### Distance: 1500 m (5000 ft)




FVBH0073

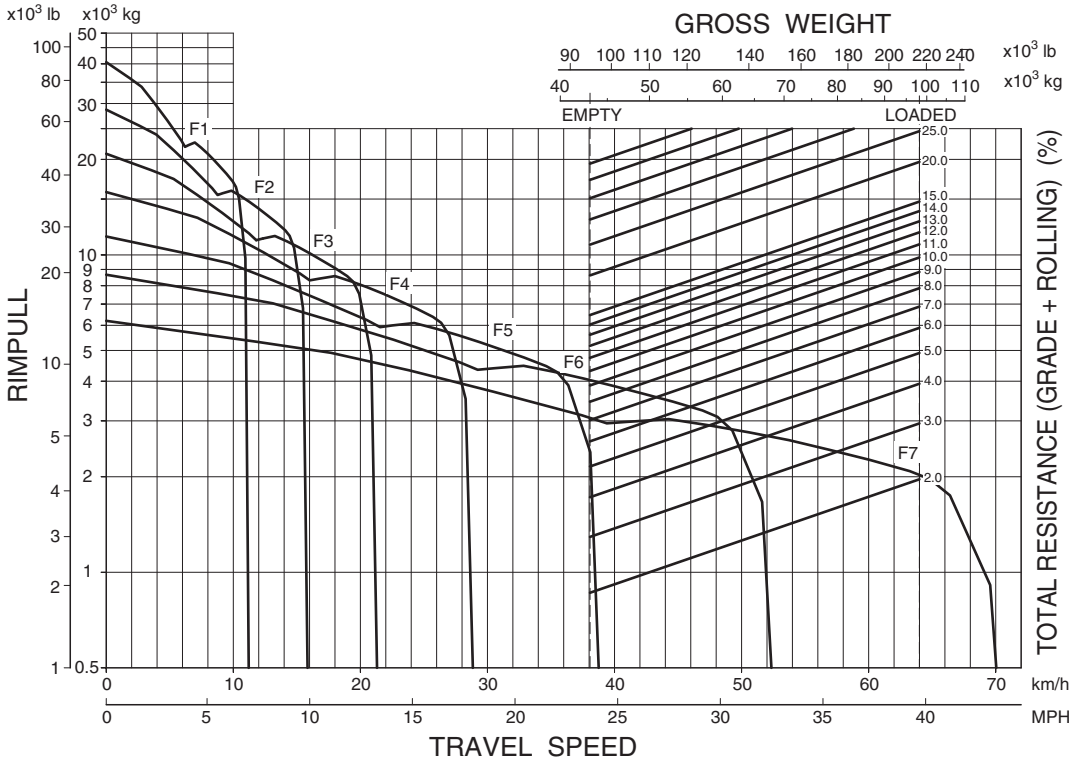


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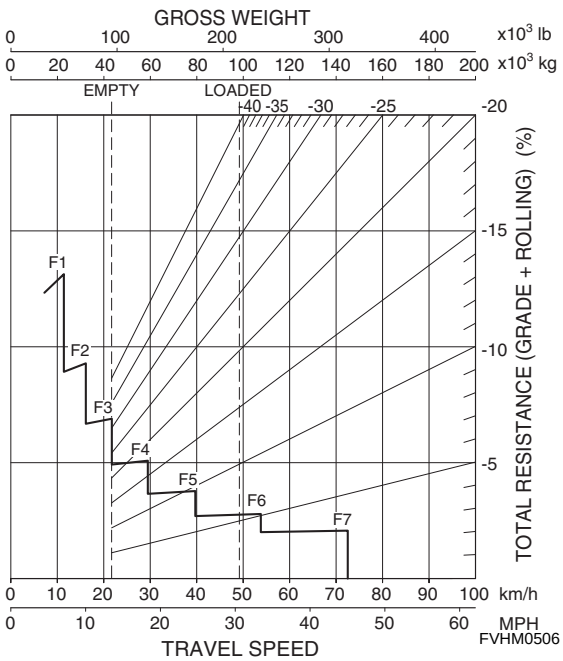


## Travel Performance Curve

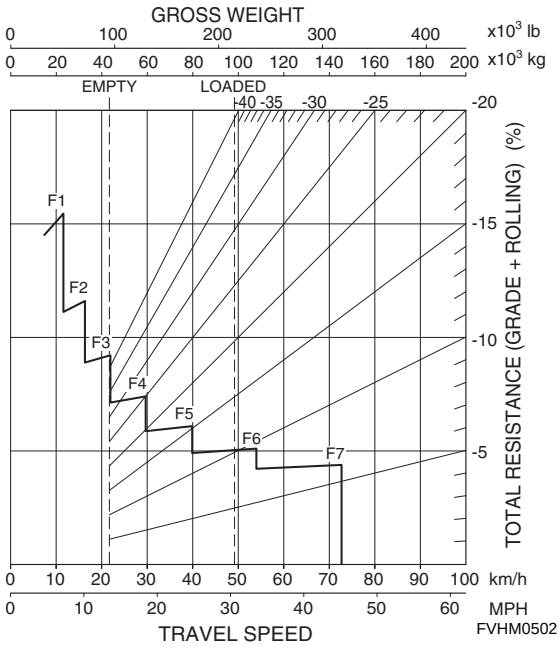



## Brake performance

GRADE DISTANCE : CONTINUOUS DESCENT




GRADE DISTANCE : 450 m (1,500 ft)





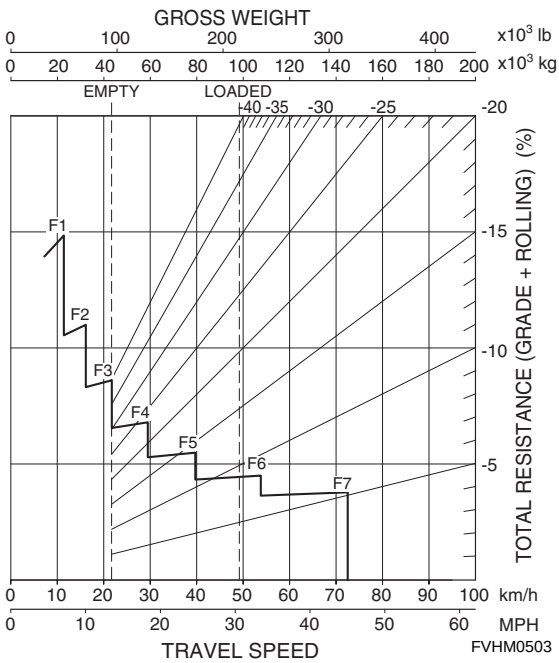

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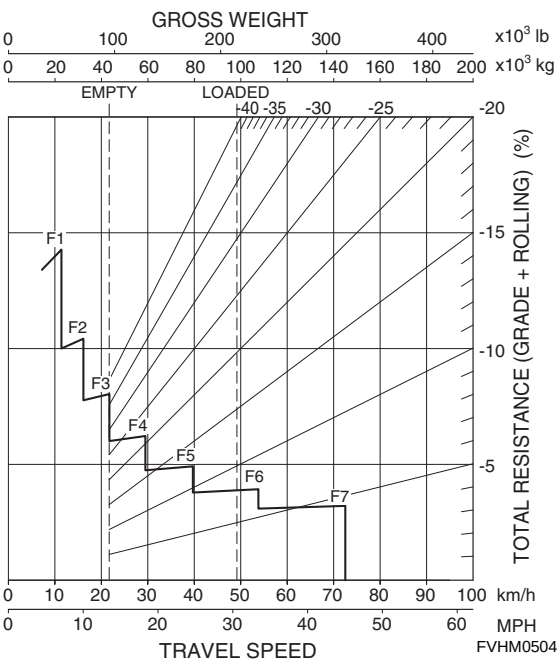


**Brake performance**

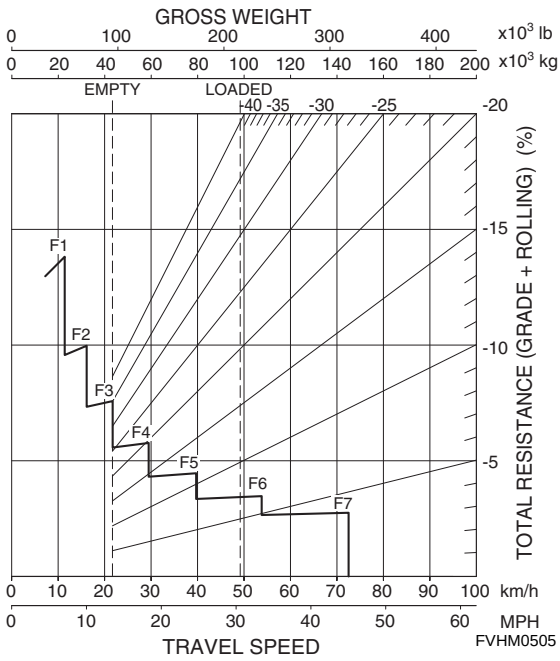
GRADE DISTANCE : 600 m (2,000 ft)




GRADE DISTANCE : 900 m (3,000 ft)




GRADE DISTANCE : 1500 m (5,000 ft)



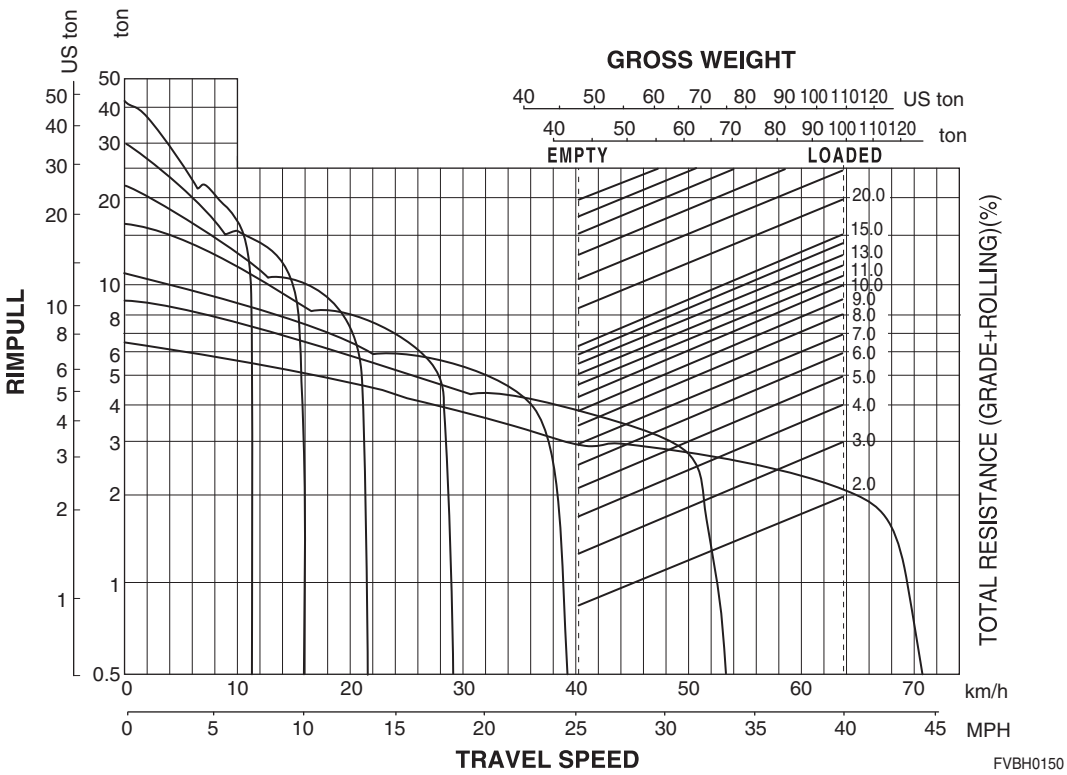



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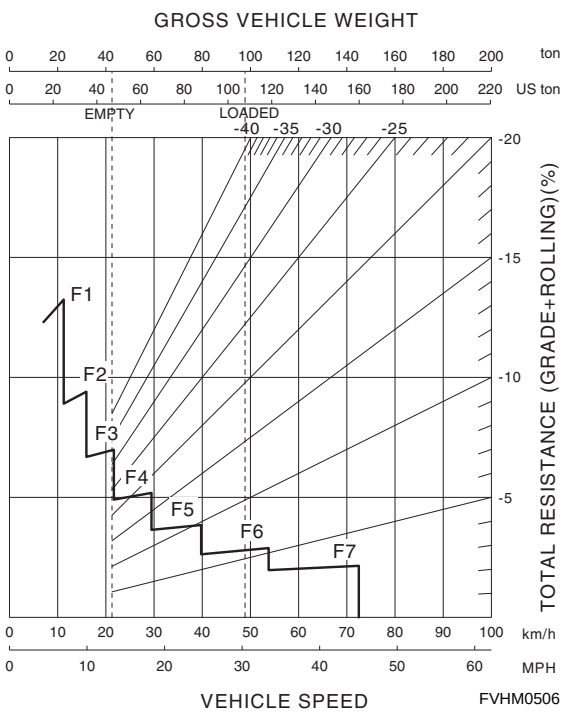


## Travel Performance Curve

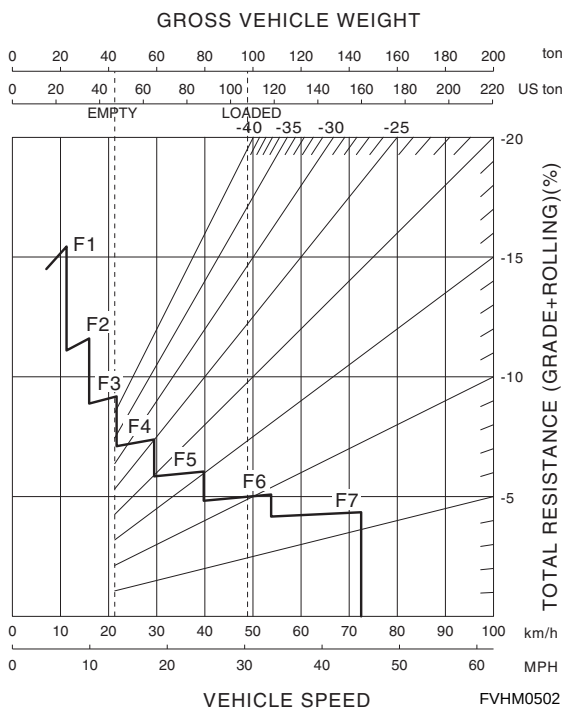



## Brake performance

### GRADE DISTANCE: Continuous




### GRADE DISTANCE: 450 m (1,500 ft)





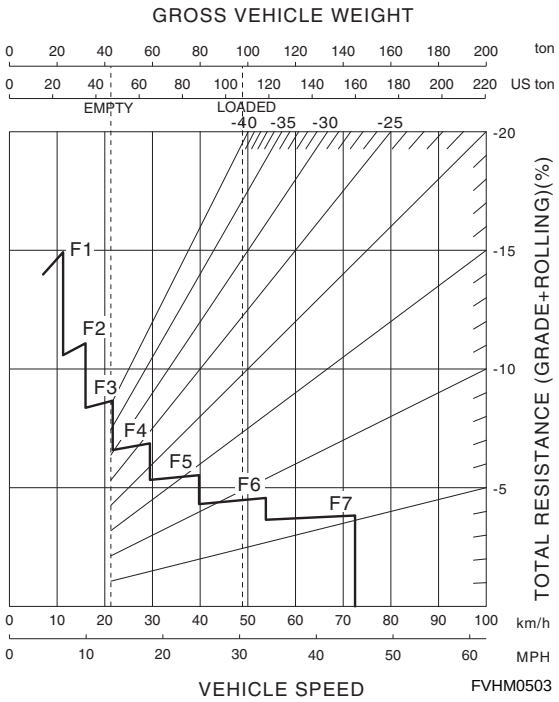

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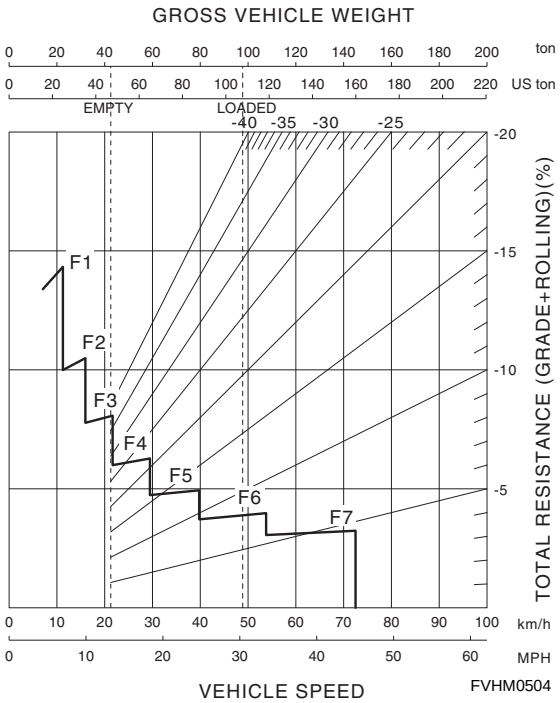


## Brake performance

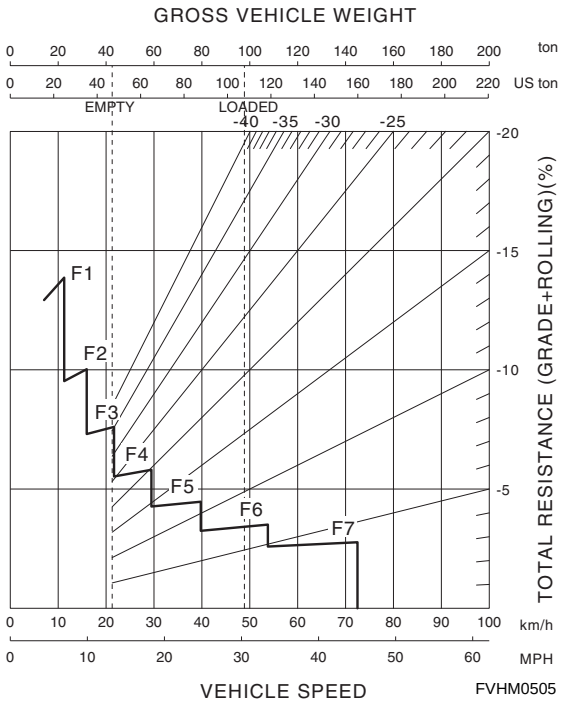
### Grade distance: 600 m (2,000 ft)




### Grade distance: 900 m (3,000 ft)




### Grade distance: 1500 m (5,000 ft)



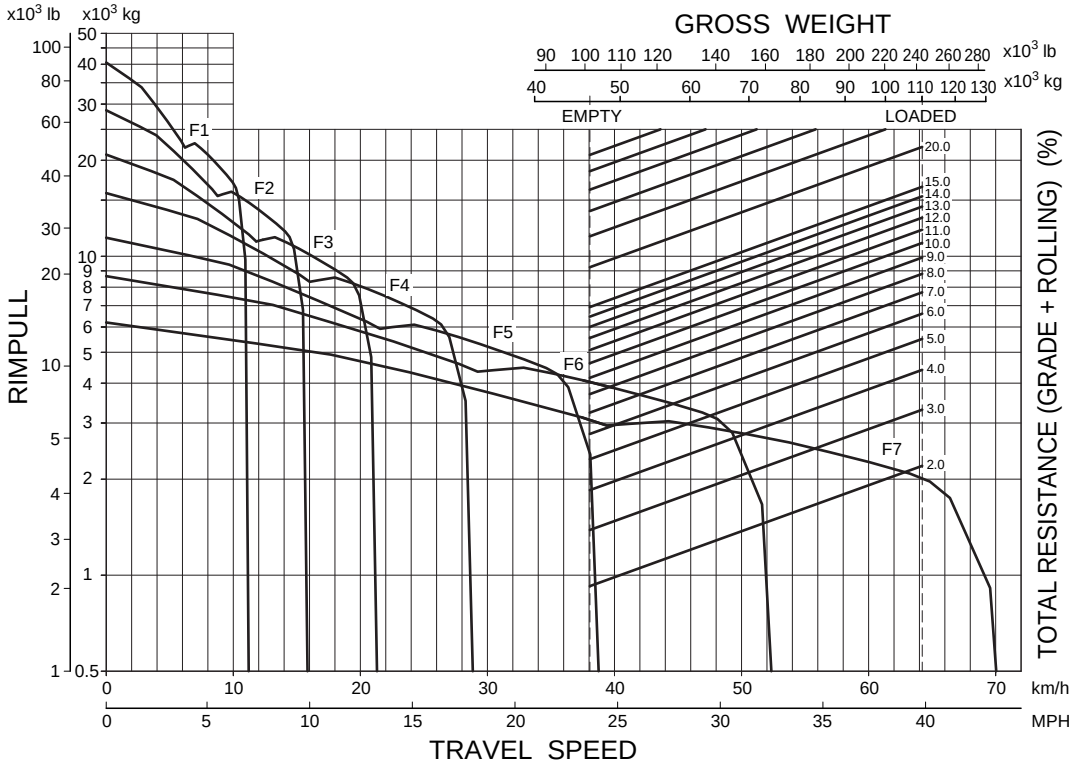



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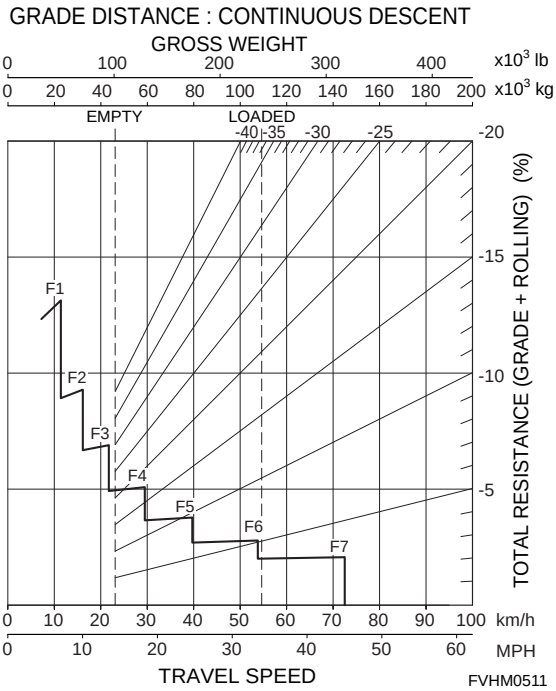
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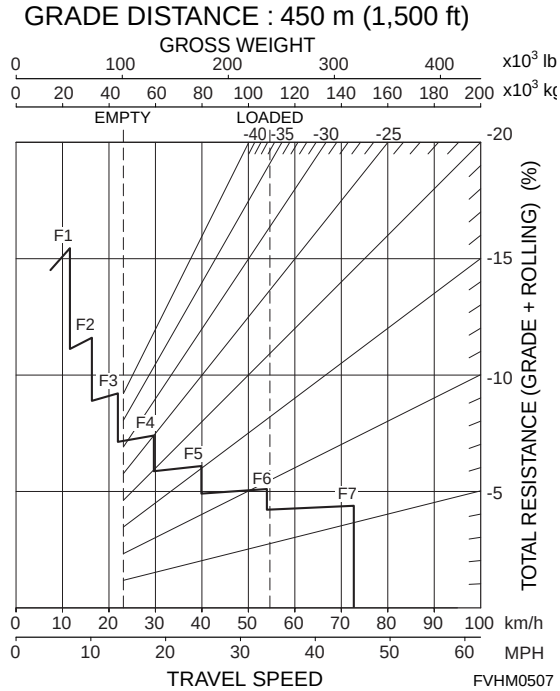


## Travel Performance Curve




## Brake performance





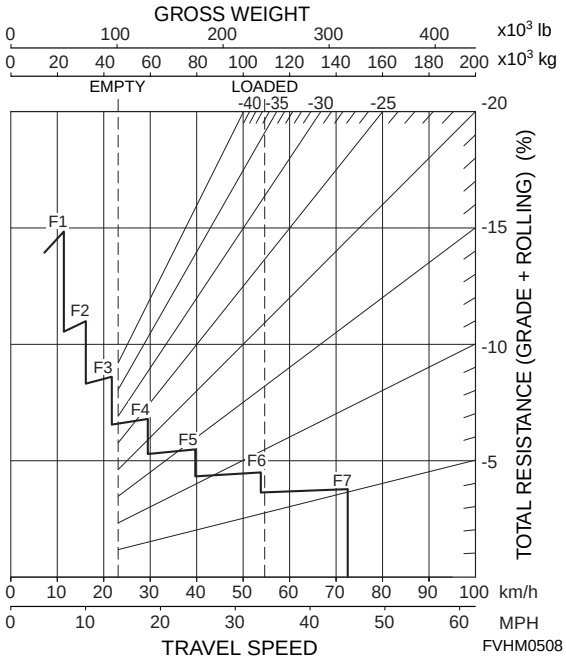

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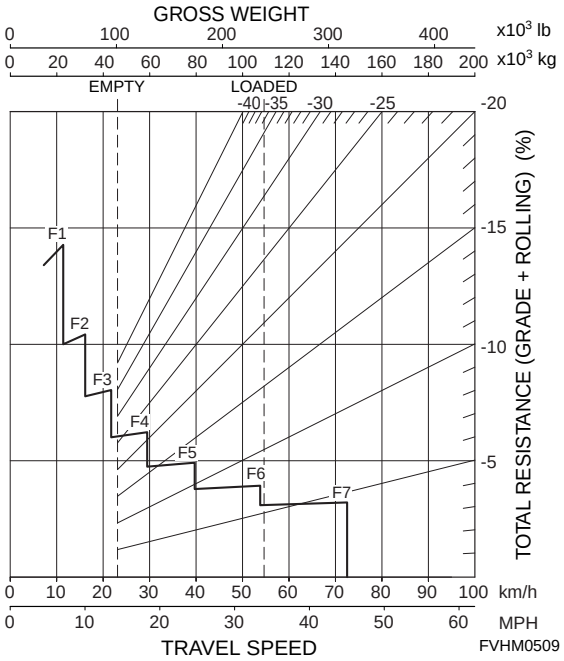


**Brake performance**

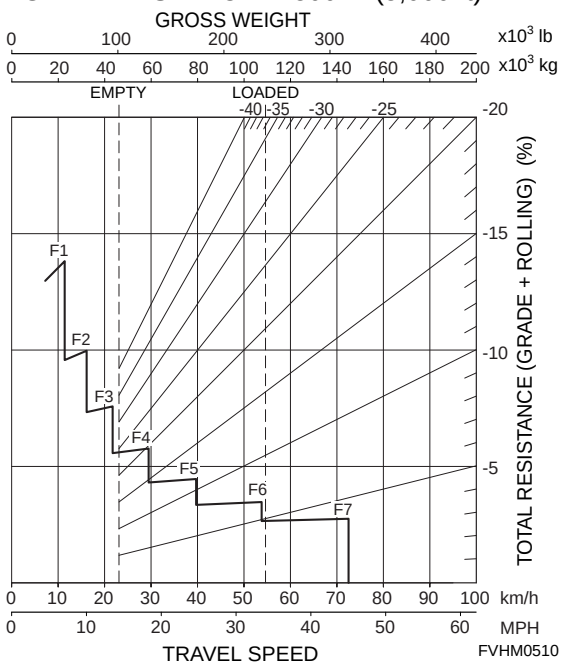
GRADE DISTANCE : 600 m (2,000 ft)




GRADE DISTANCE : 900 m (3,000 ft)




GRADE DISTANCE : 1500 m (5,000 ft)



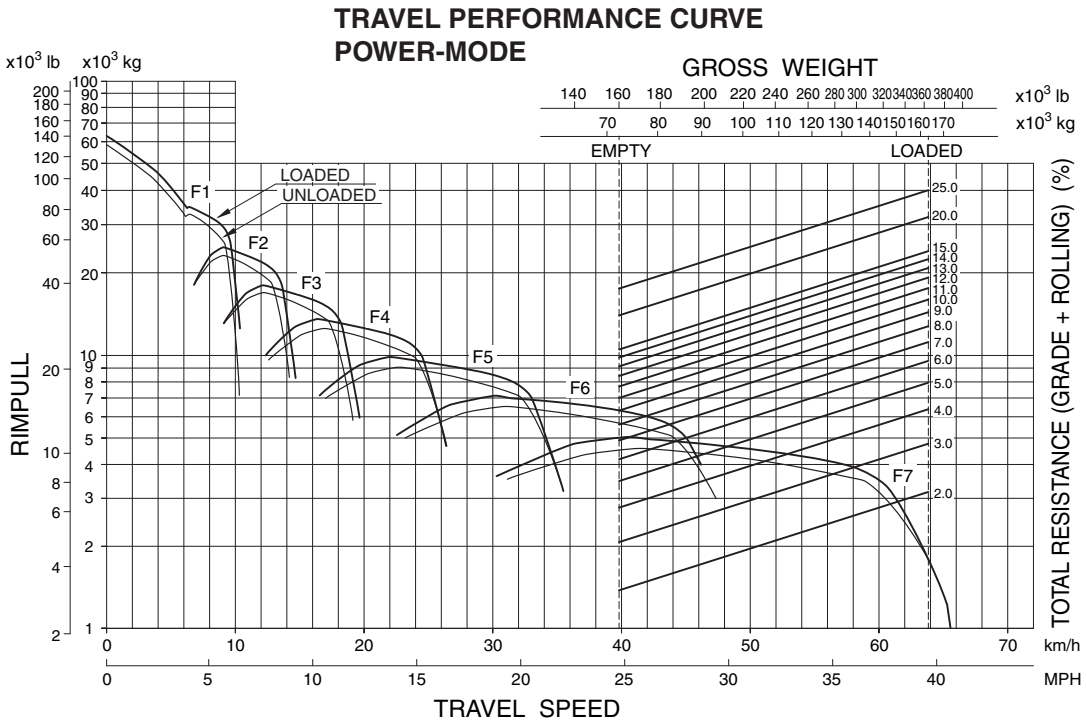



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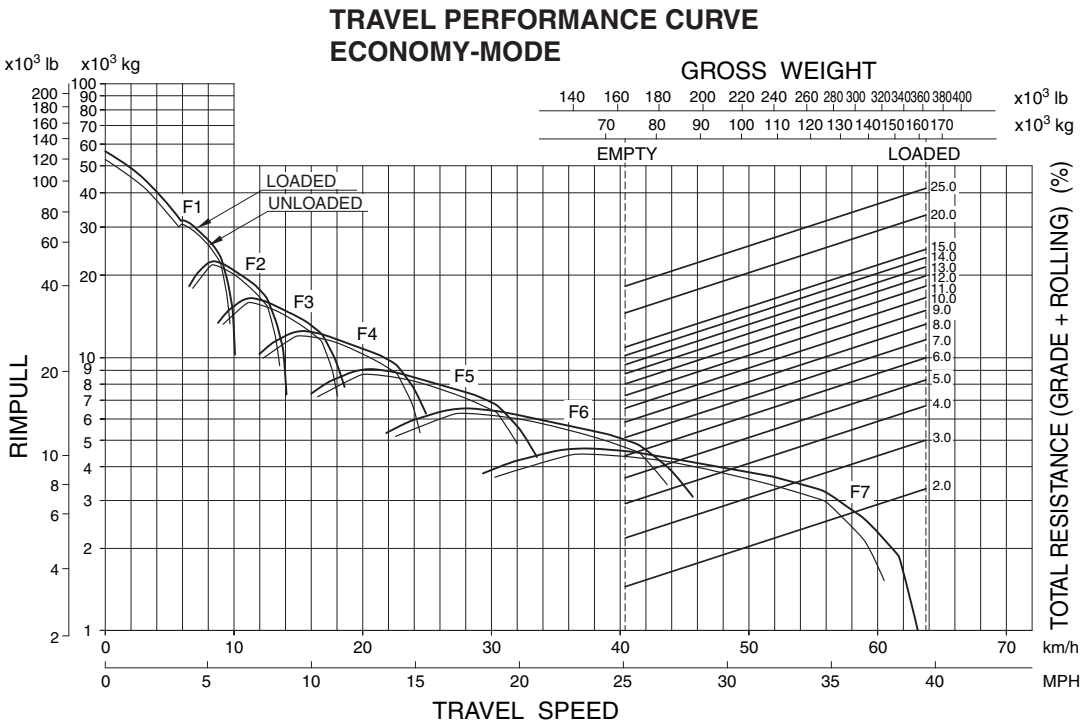
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## Travel Performance Curve
## Power-mode




## Travel Performance Curve
## Economy-mode





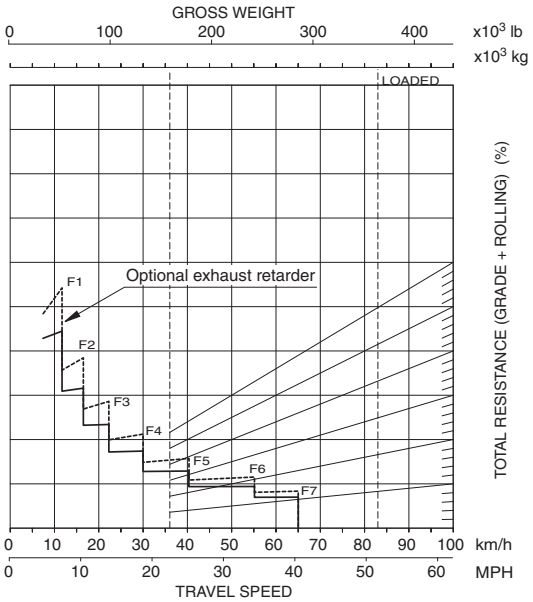

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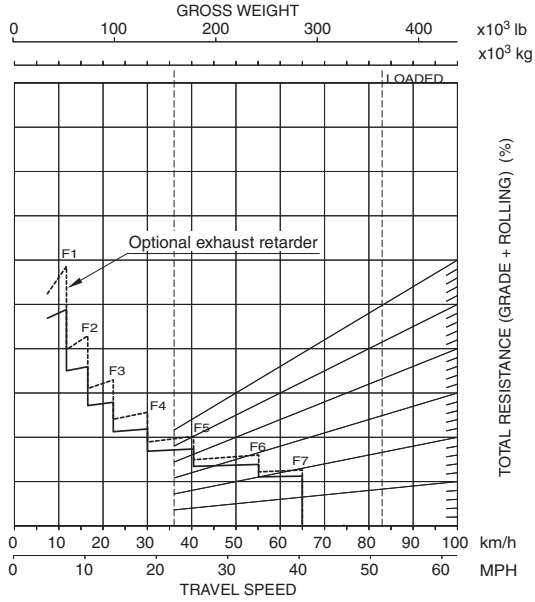


## Brake performance

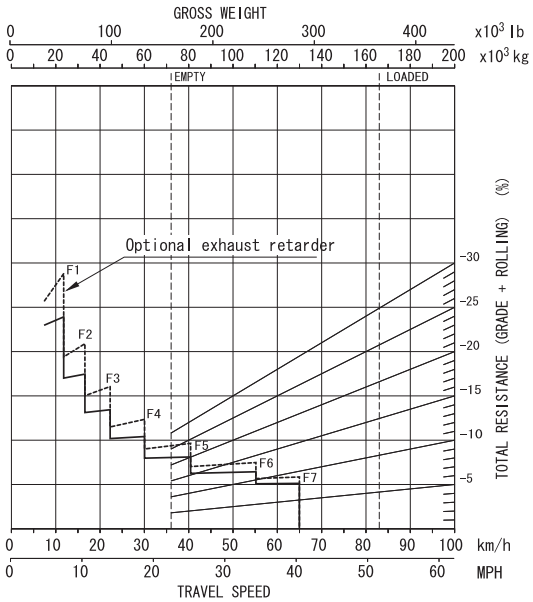
### Grade distance : Continuous Descent




### Grade distance : 450m (1,500 ft)




### Grade distance : 600m (2,000 ft)





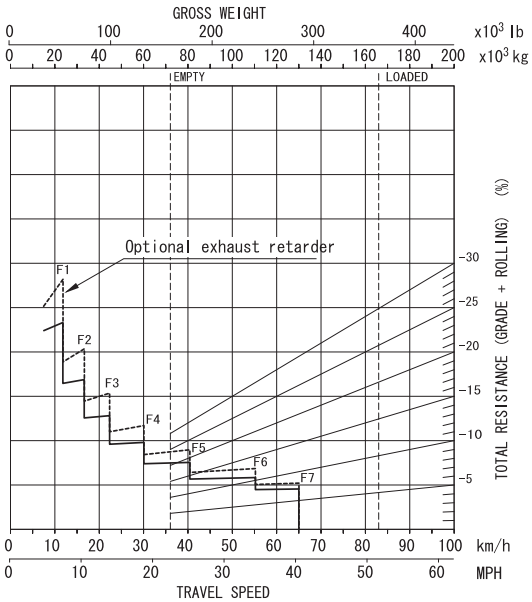

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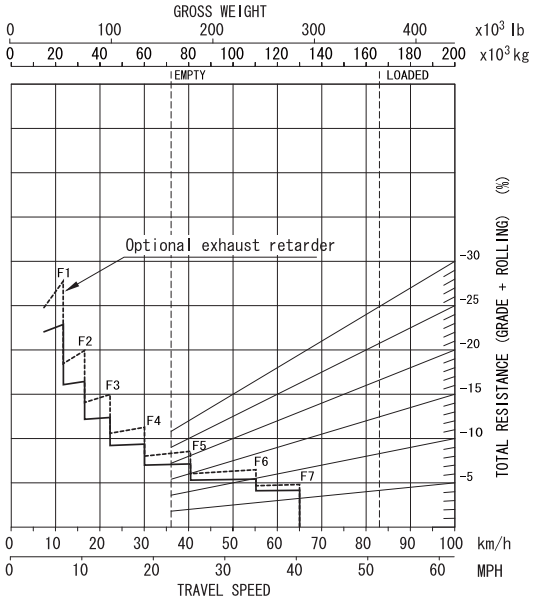


## Brake performance

### Grade distance : 900m (3,000 ft)




### Grade distance : 1500m (5,000 ft)



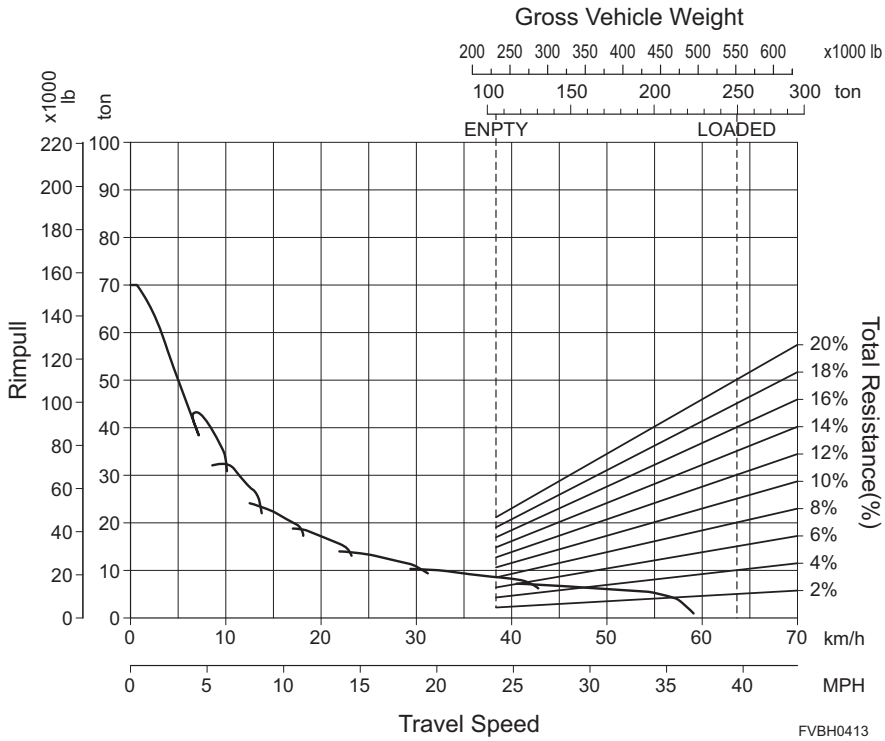



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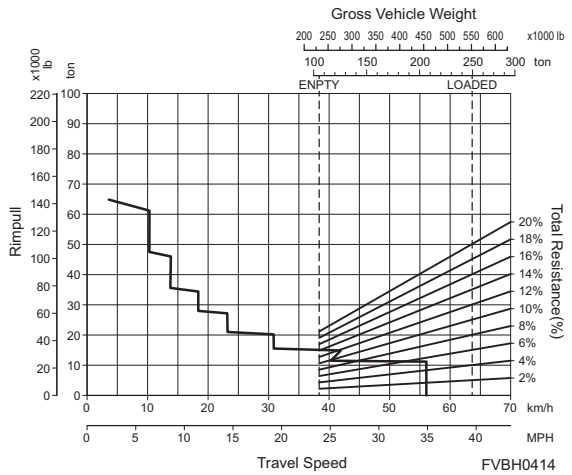
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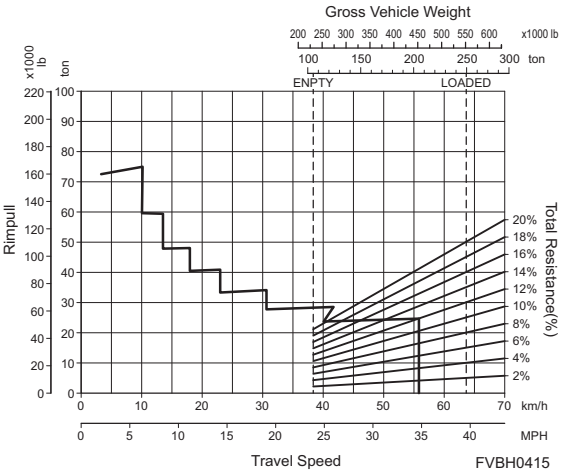


## Travel performance




## Brake performance



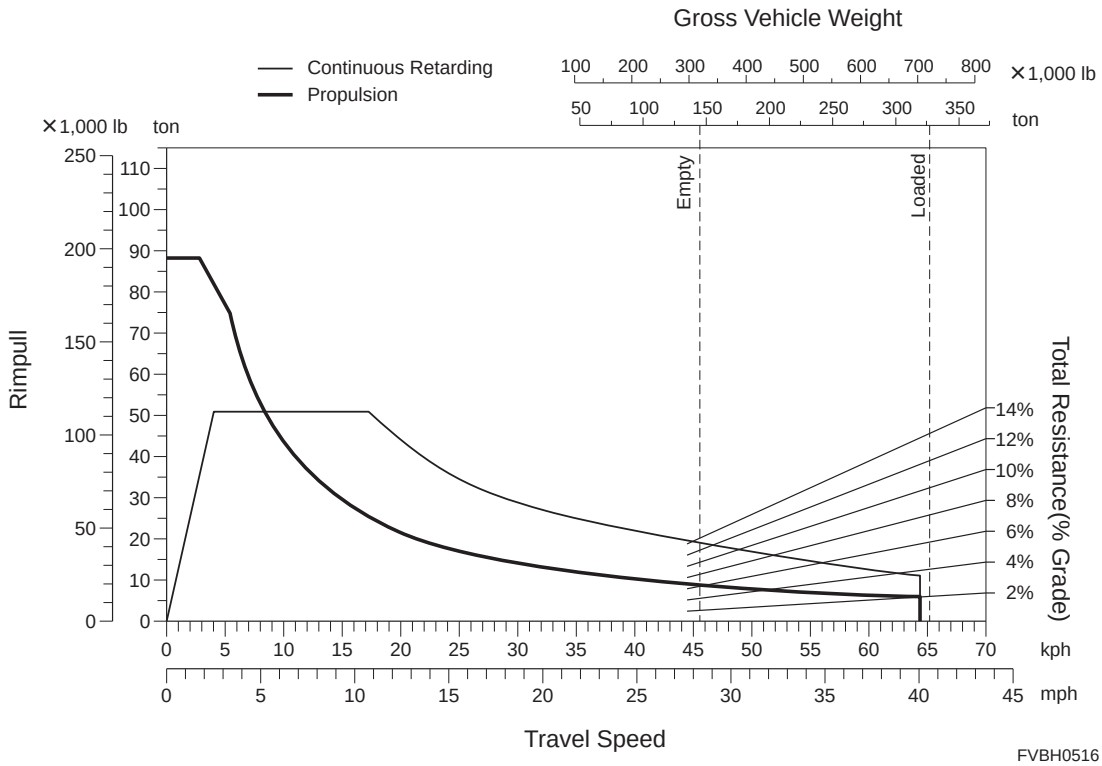



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## Travel performance




**How to use this Performance Chart:**

1. Calculate the Total Resistance (%).
   Total Resistance (%) = Grade Resistance (%) + Rolling Resistance (%)
2. Calculate Rimpull Required.
   Rimpull (lb or kg) = Gross vehicle Weight (lb or kg) × Total Resistance (%)
3. Locate the Point on the Rimpull Scale (lb or kg).
4. Read horizontally to the Performance Curve.
5. From the intersection at the curve, read vertically down to the speed scale (mph or km/h).

**How to use this Retarding Chart:**

1. Calculate the Total Resistance (%).
   Total Resistance (%) = Grade Resistance (%) – Rolling Resistance (%).
2. Calculate Retarding Force Required.
   Retarding Force (lb or kg) = Gross vehicle Weight (lb or kg) × Total Resistance (%)
3. Locate the Point on the Retarding Force Scale (lb or kg).
4. Read horizontally to locate the two points intersecting the Retarding Curve.
5. Read vertically down to the speed scale.
   The two points represent the minimum and maximum downhill retarding speed
   (mph or km/h).

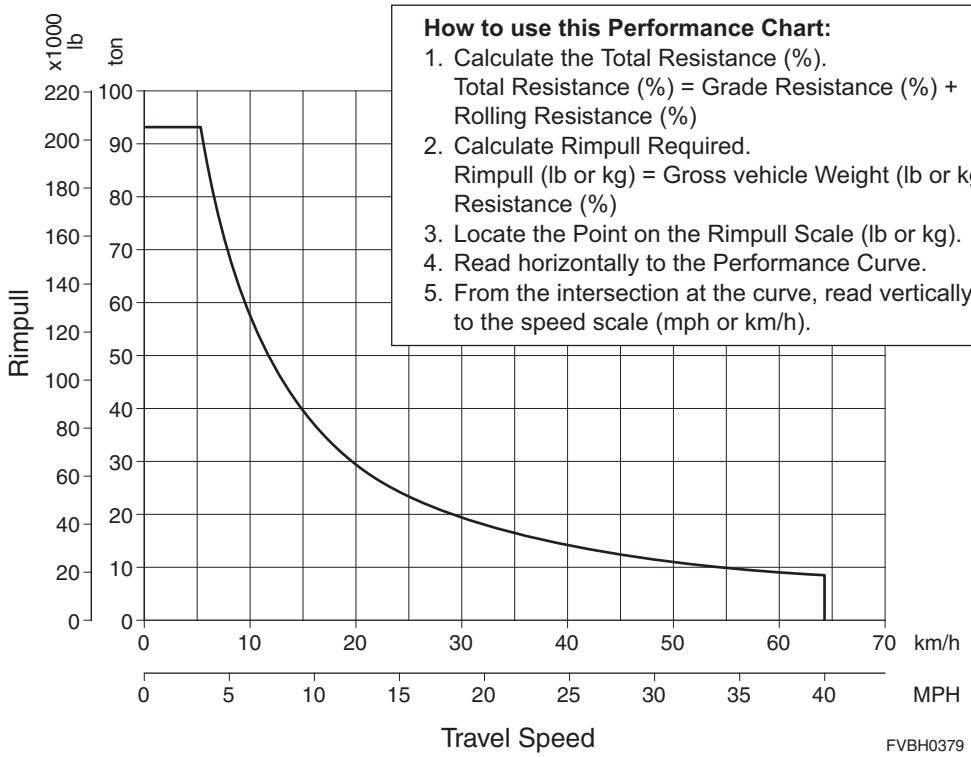


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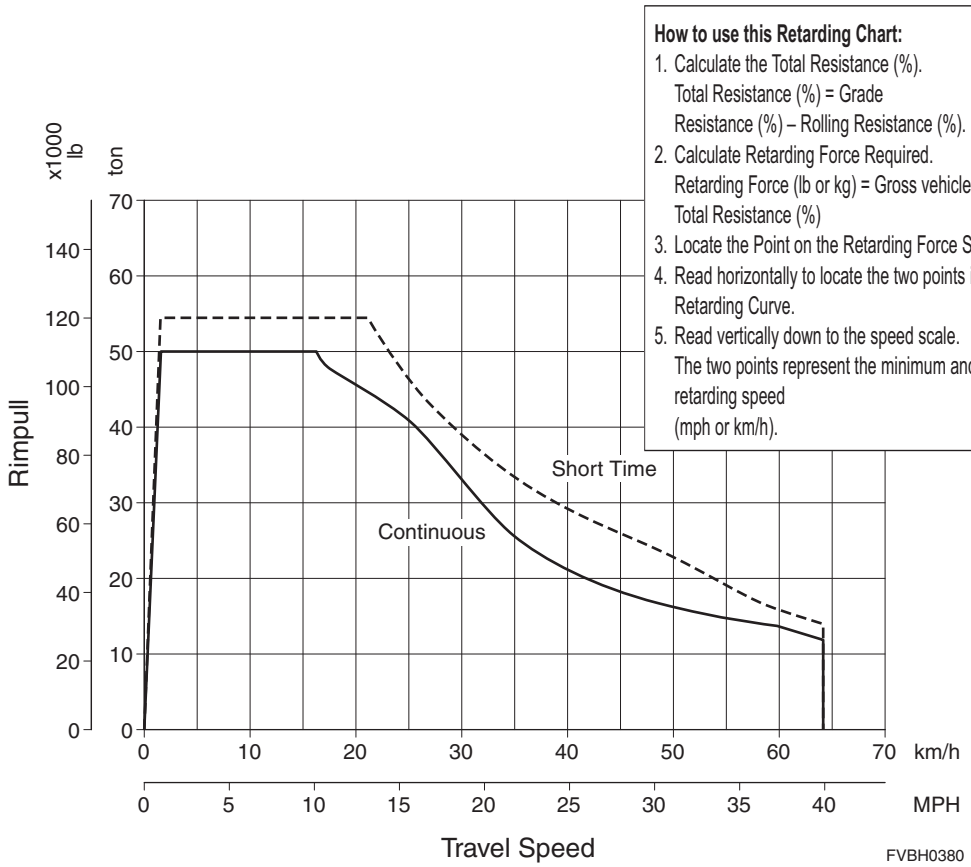
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## Travel performance




## Brake performance



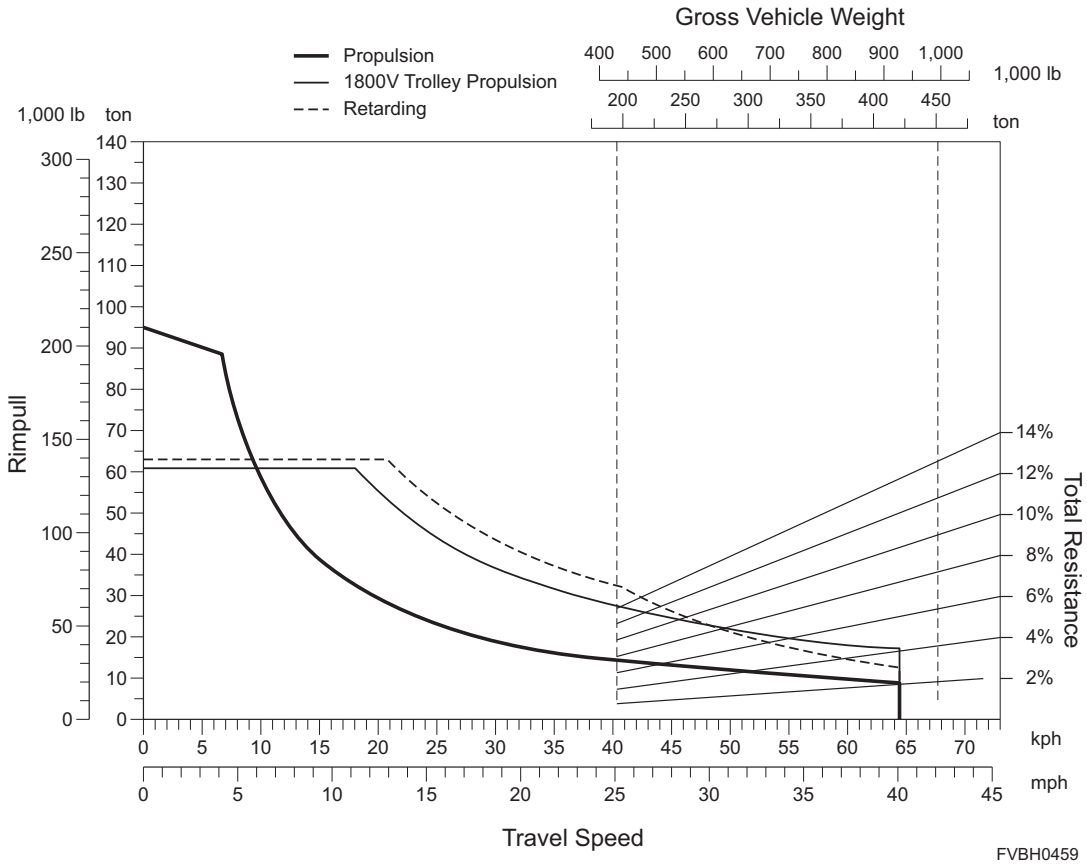



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## Travel and brake performance




**How to use this Performance Chart:**

1. Calculate the Total Resistance (%).
   Total Resistance (%) = Grade Resistance (%) + Rolling Resistance (%)
2. Calculate Rimpull Required.
   Rimpull (lb or kg) = Gross vehicle Weight (lb or kg) × Total Resistance (%)
3. Locate the Point on the Rimpull Scale (lb or kg).
4. Read horizontally to the Performance Curve.
5. From the intersection at the curve, read vertically down to the speed scale (mph or km/h).

**How to use this Retarding Chart:**

1. Calculate the Total Resistance (%).
   Total Resistance (%) = Grade Resistance (%) – Rolling Resistance (%).
2. Calculate Retarding Force Required.
   Retarding Force (lb or kg) = Gross vehicle Weight (lb or kg) × Total Resistance (%)
3. Locate the Point on the Retarding Force Scale (lb or kg).
4. Read horizontally to locate the two points intersecting the Retarding Curve.
5. Read vertically down to the speed scale.
   The two points represent the minimum and maximum downhill retarding speed
   (mph or km/h).

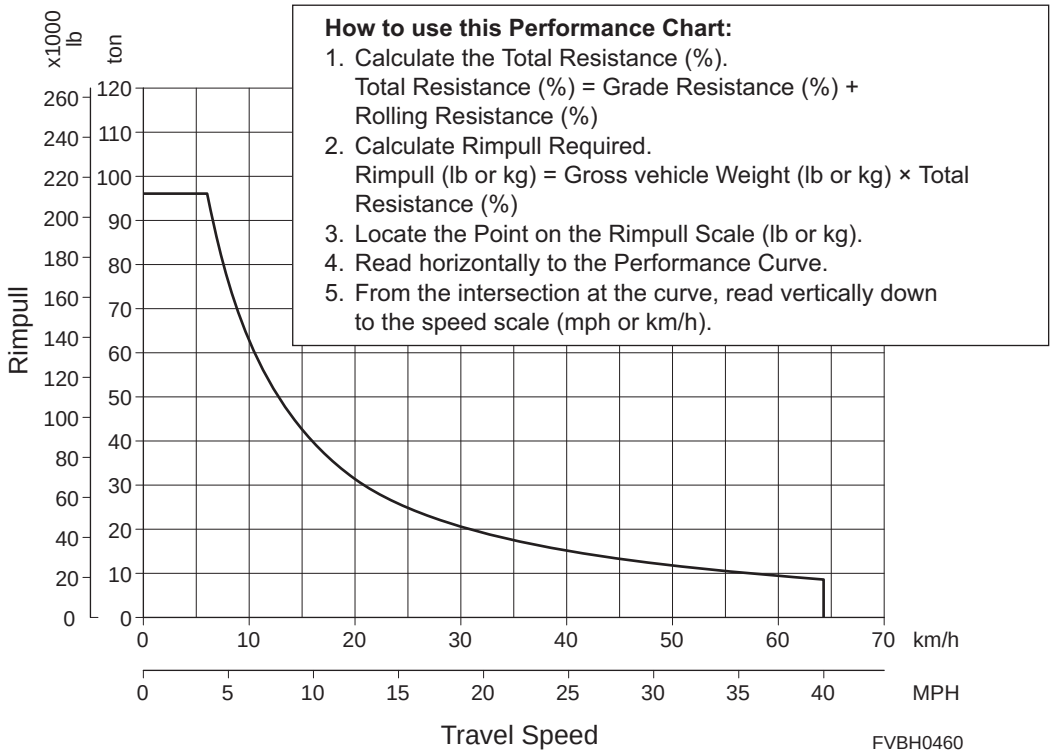


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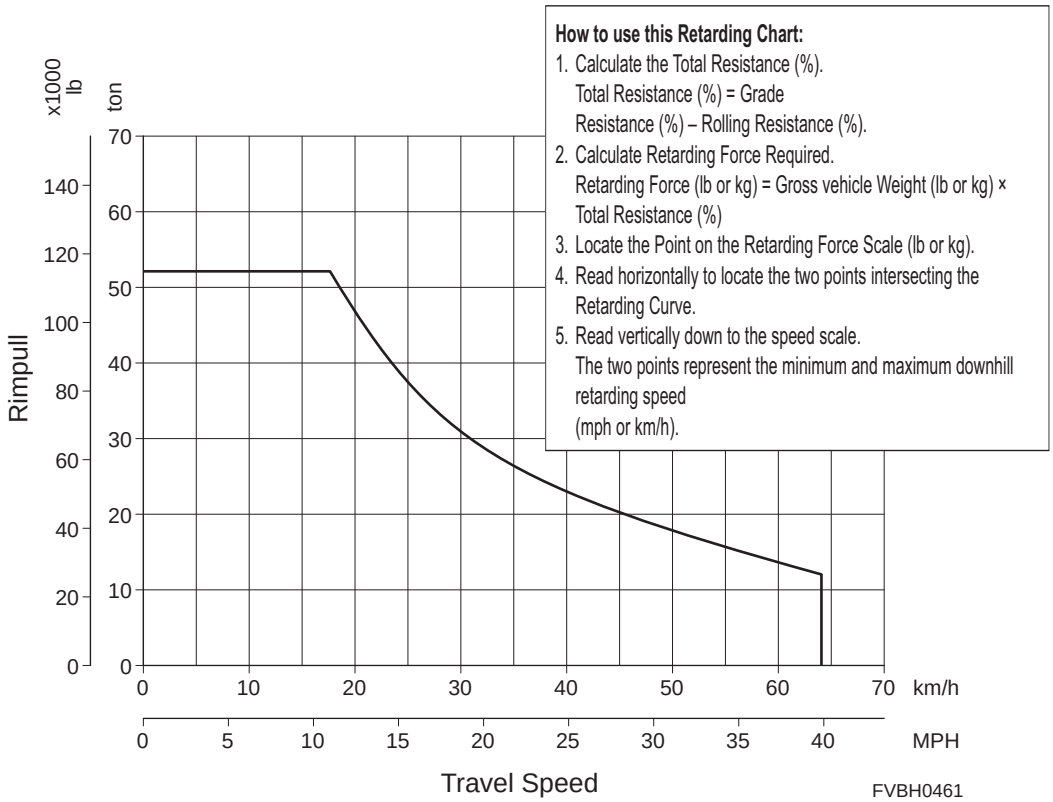
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## Travel performance




## Brake performance



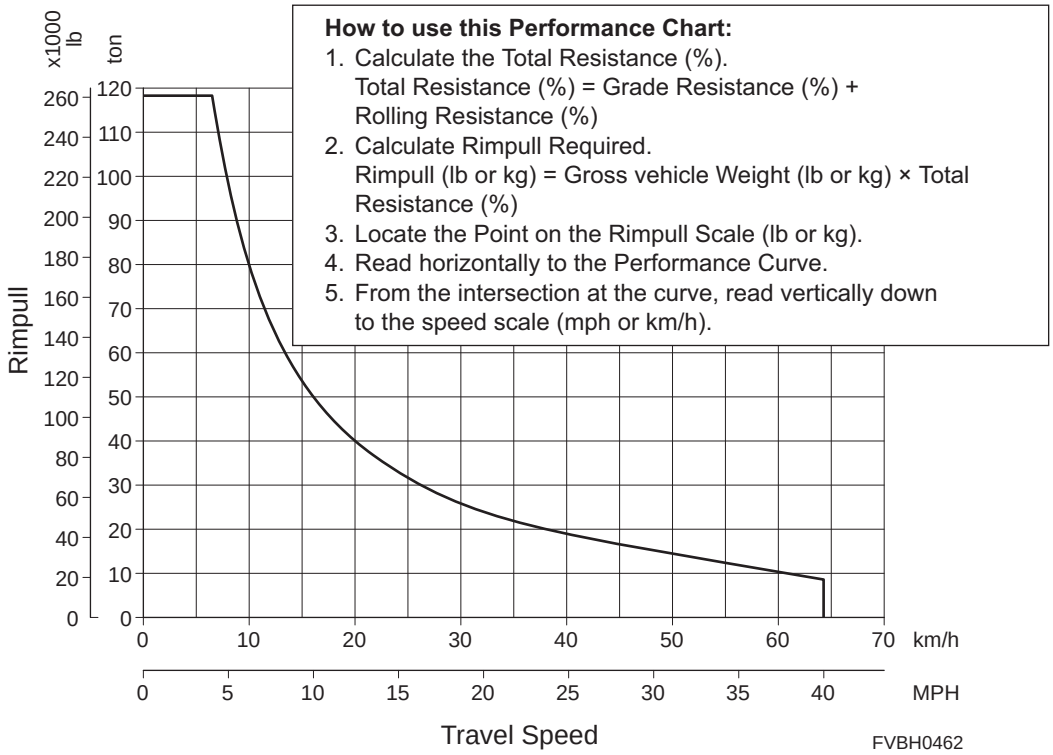



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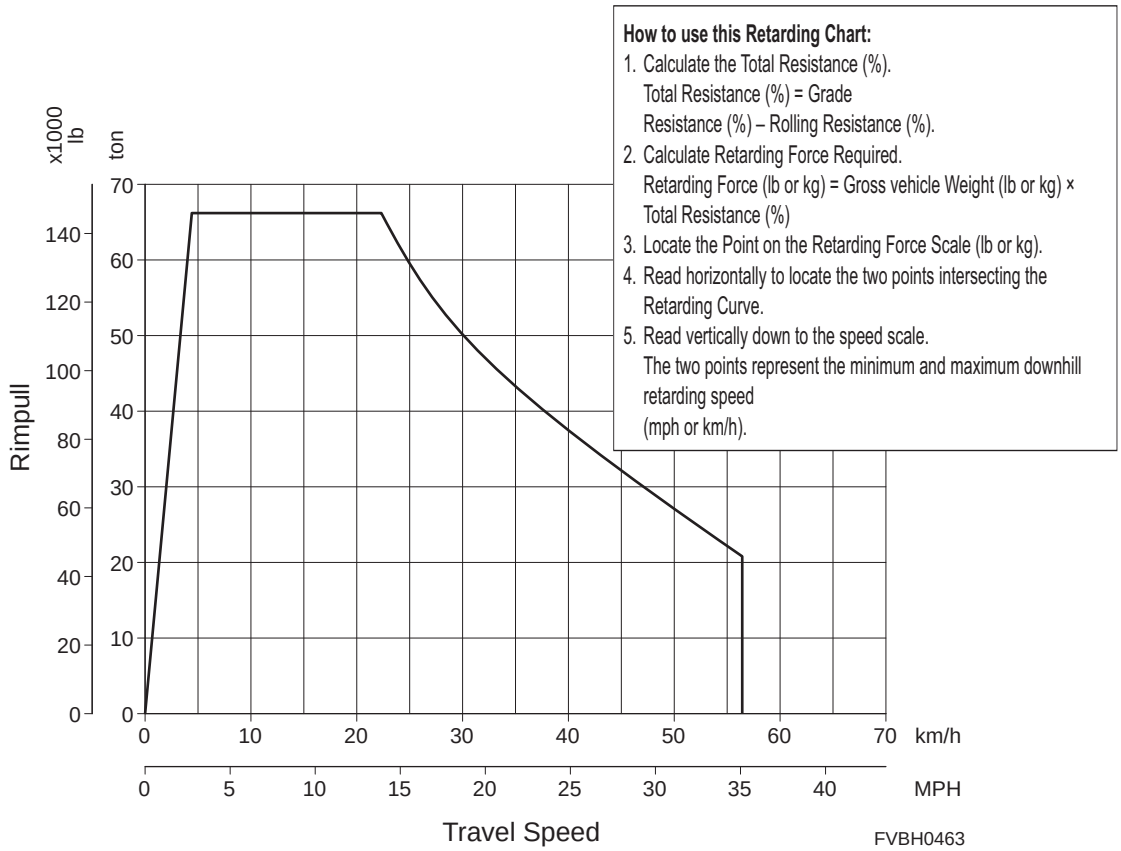
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## Travel performance




## Brake performance



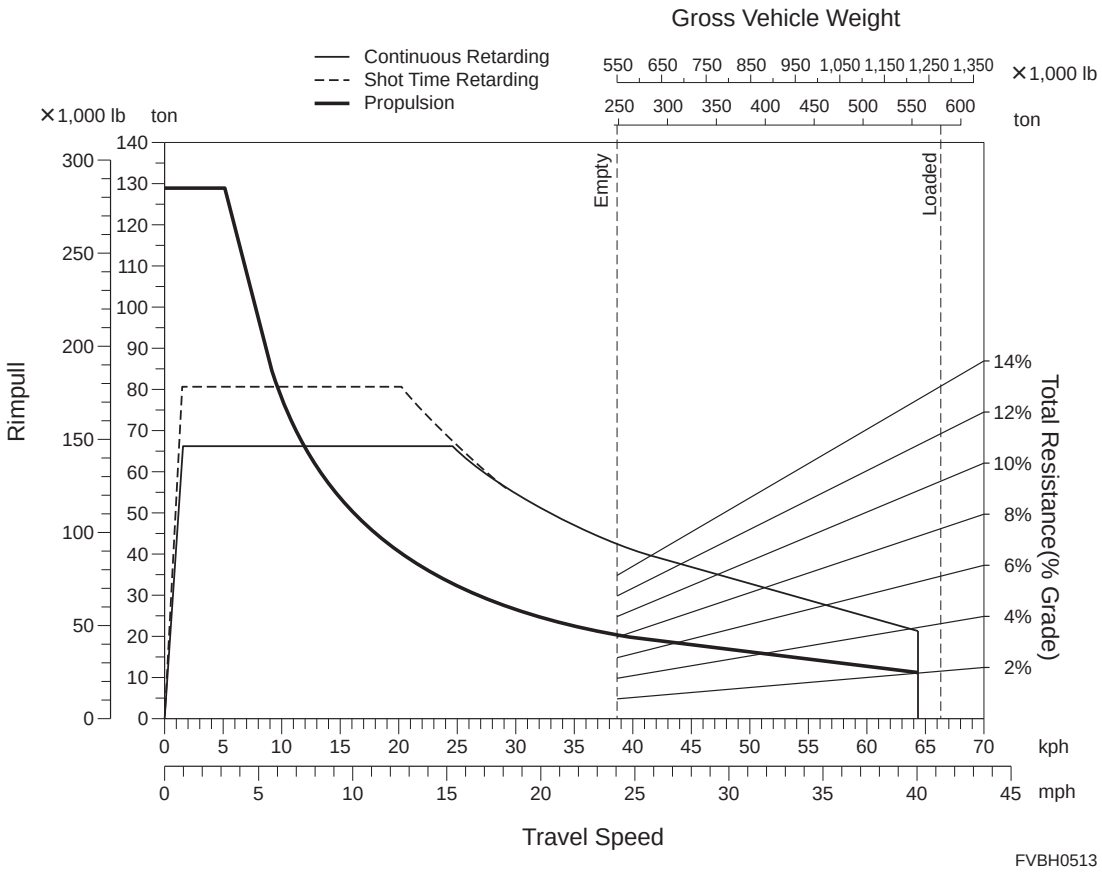



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## Travel and brake performance




**How to use this Performance Chart:**

1. Calculate the Total Resistance (%).
   Total Resistance (%) = Grade Resistance (%) + Rolling Resistance (%)
2. Calculate Rimpull Required.
   Rimpull (lb or kg) = Gross vehicle Weight (lb or kg) × Total Resistance (%)
3. Locate the Point on the Rimpull Scale (lb or kg).
4. Read horizontally to the Performance Curve.
5. From the intersection at the curve, read vertically down to the speed scale (mph or km/h).

**How to use this Retarding Chart:**

1. Calculate the Total Resistance (%).
   Total Resistance (%) = Grade Resistance (%) – Rolling Resistance (%).
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5. Read vertically down to the speed scale.
   The two points represent the minimum and maximum downhill retarding speed
   (mph or km/h).

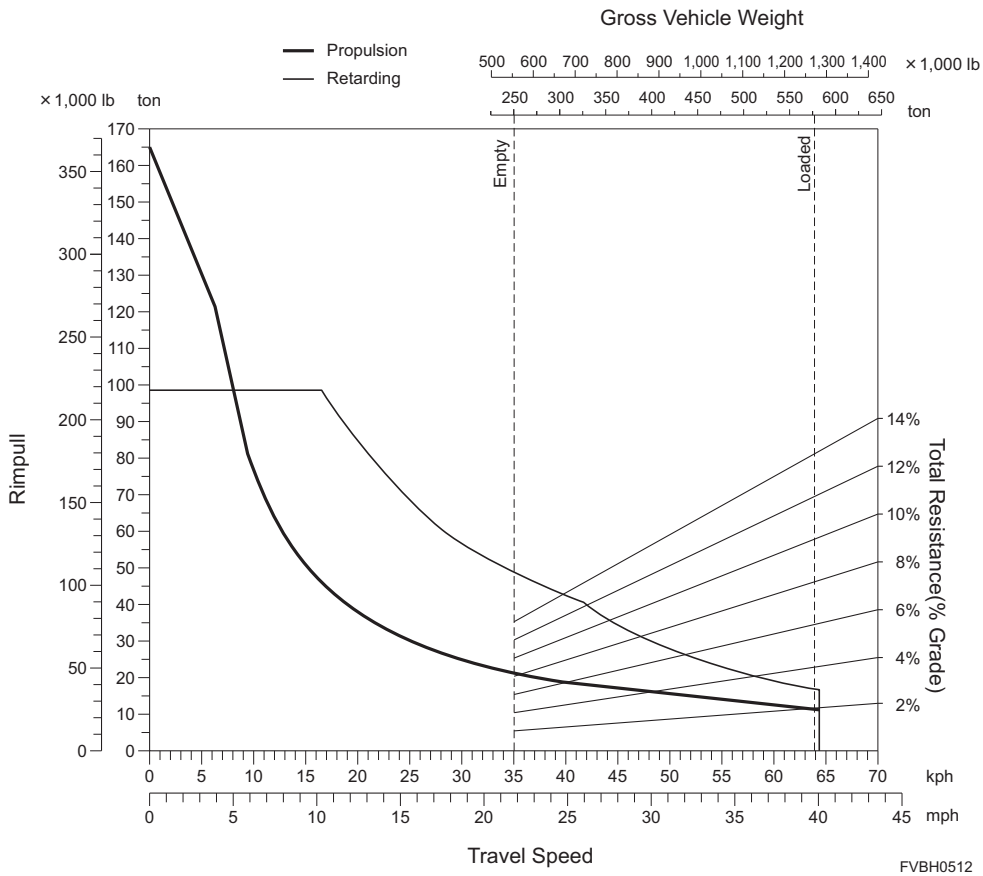


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## Travel and brake performance




**How to use this Performance Chart:**

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**How to use this Retarding Chart:**

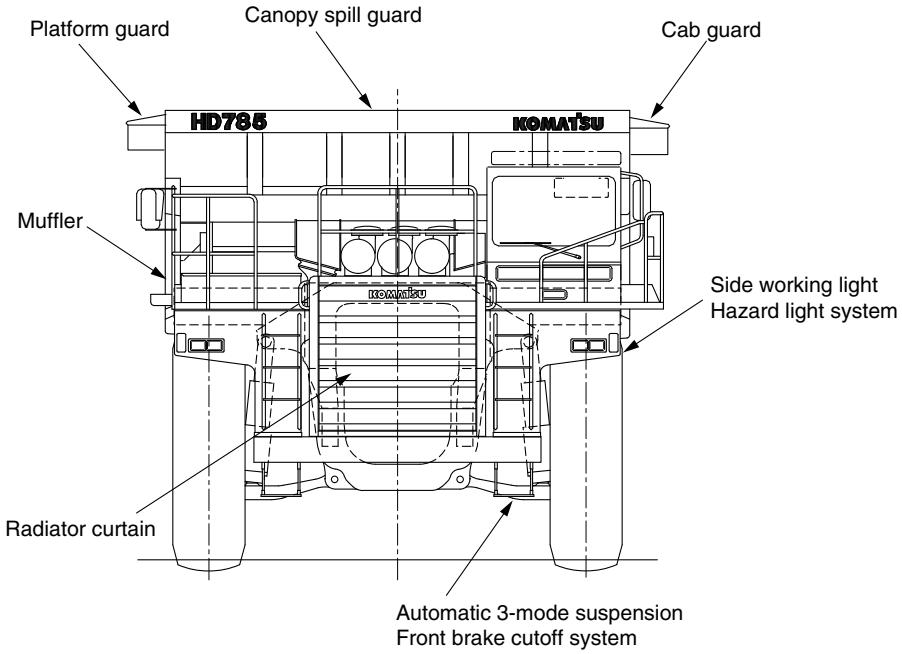
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   Total Resistance (%) = Grade Resistance (%) – Rolling Resistance (%).
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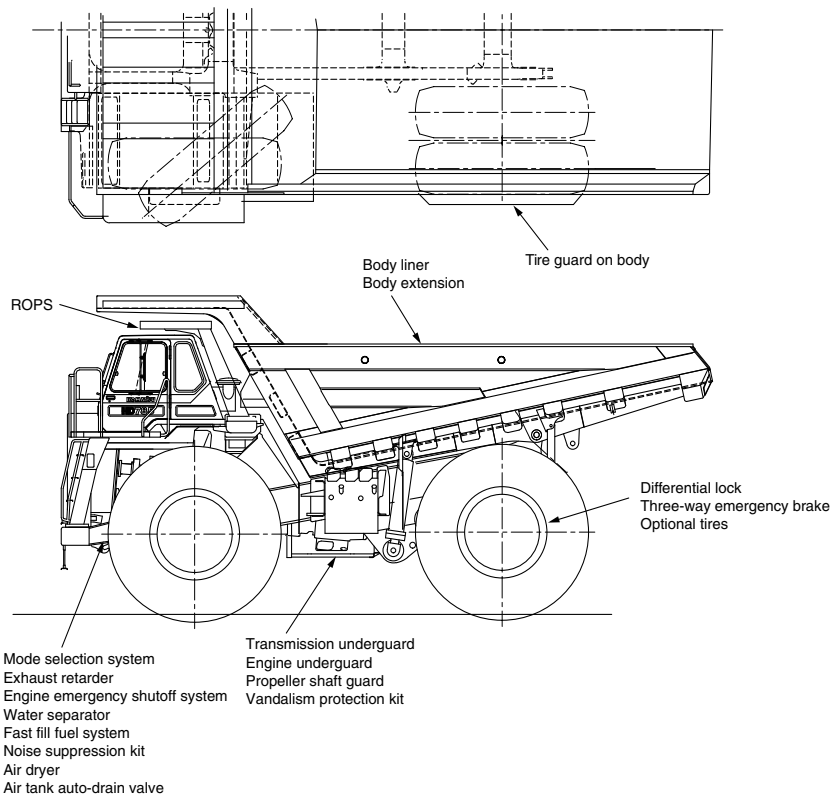


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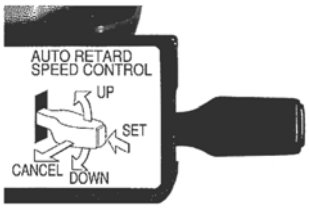
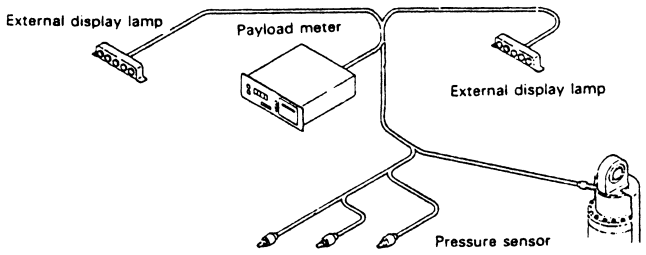
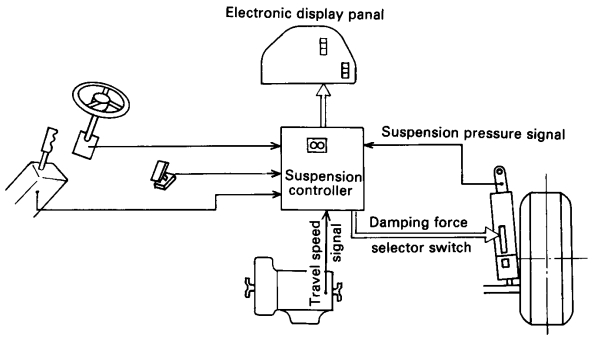
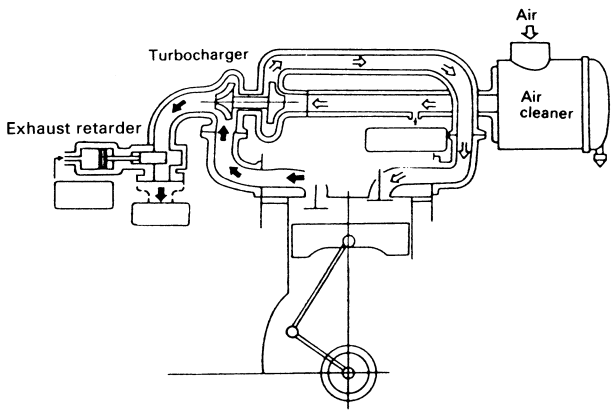






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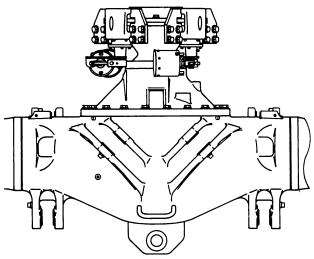
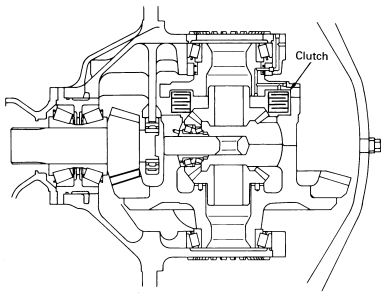
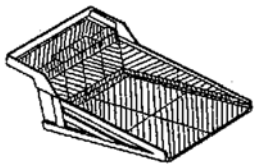
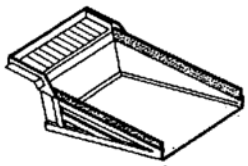
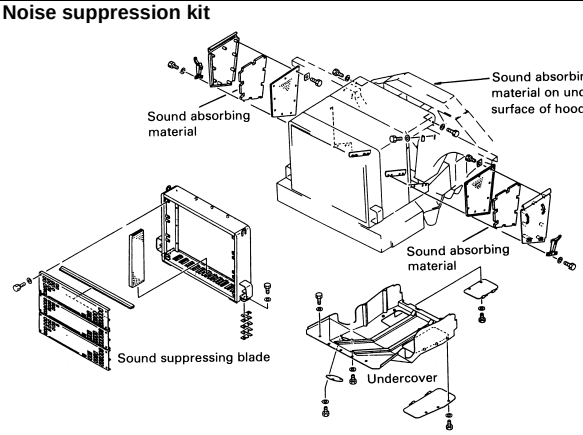
| Description | Features |
|---|---|
| **PMC (power train management control)** | • Vehicle condition can be easily monitored to confirm functions or perform troubleshooting efficiently.<br>• Stored data can be downloaded through customer provided personal computer with Komatsu PMC download software to transfer the data to customer maintenance/production database.<br>• Memory card type Payload meter (PLM2) data can also be downloaded through the same PC connection port. (HD785) |
| **Auto Retard Speed Control (ARSC)**<br>  | • Setting of desired downhill speed is possible<br>• Fine adjustment of setting speed is possible within ±5 km/h (3.1 MPH) |
| **Payload meter**<br>  | • The payload meter measures and records the amount loaded, and also uses the external display lamps to show the present payload and to estimate the weight when the next bucket is loaded, thereby informing the loader operator. So it is possible to load the most suitable amount and to avoid overloading.<br>• By knowing the production, it becomes possible to carry out efficiency control of combinations, and administration of economic use of the machines. |
| **Automatic three-mode suspension**<br>  | • The suspension is controlled to give the optimum suspension characteristics for the travel conditions, so the riding comfort and travel stability are greatly improved.<br>• The travel stability functions, such as anti-roll and anti-dive, prevent excessive stress from being brought to bear on the frame, thereby contributing to increased service life.<br>• (The electronic display system must be installed.) |
| **Exhaust retarder**<br>  | • Combination with the oil-cooled multiple disc retarder makes high-speed downhill travel possible, thereby improving working efficiency.<br>• It is possible to increase the wear life of the service brake. |
| **Front brake cut off system** | The operation of the front brake can be cancelled with a switch. This is effective in preventing slipping on job sites where the road surface is poor. |



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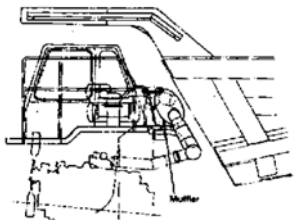
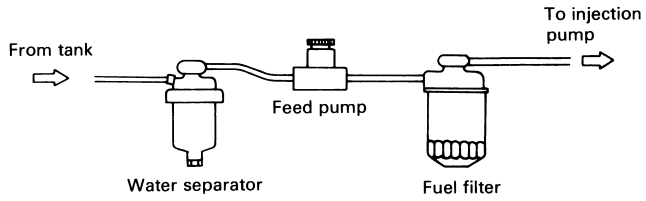
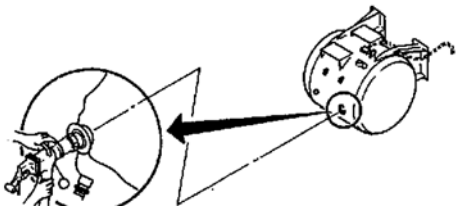
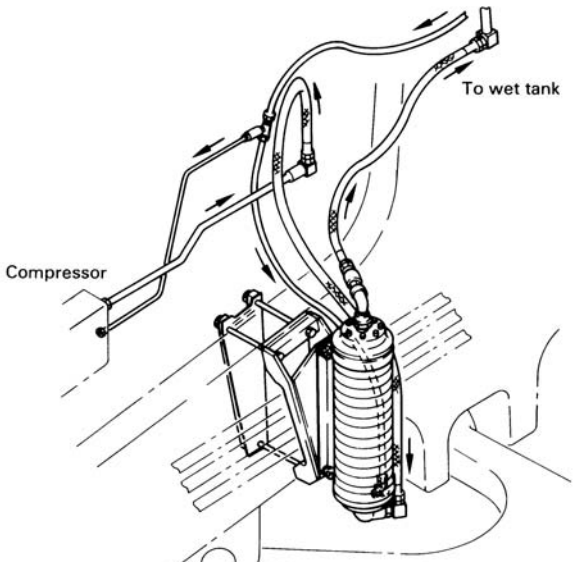
| Description | Features |
|---|---|
| **Three-way emergency brake**<br>  | For safety, independent circuits are used for the brakes on the front and rear wheels, but if for any reason the service brake should lose power, the double-caliper parking brake is in another circuit, so it can always be used as an emergency brake to increase the safety (A two-way emergency brake is standard on the HD785-5, and a double caliper parking brake is installed.) |
| **Differential lock**<br>  | This device controls the operation of the rear axle differential and is effective in preventing slipping and improving drawbar pull on soft ground. |
| **Body liner**<br>  | A liner plate for the purpose of preventing wear or deformation of the body.<br>There are two types of liner: the steel liner and the rubber liner. Their use must be distinguished according to the purpose. (See "Body selection") |
| **Body extension**<br>  | This extends the height of the side of the dump body. This increases the capacity of the body to ensure the rated load (For example: the capacity of the HD325-5 is 32 tons) when handling loads with a low specific gravity.<br>It is also used to prevent spillage of load caused by adverse travel conditions (rough road surface, uphill slope, downhill slope, road with curves). |
| **Platform guard (See 4A-40)** | This guard protects the right platform from rocks falling from the dump body. |
| **Transmission under guard (See 4A-40)** | This guard protects the transmission oil pan from flying stones when traveling. |
| **Propeller shaft guard (See 4A-40)** | This guard prevents secondary damage if the propeller shaft is broken. |
| **Tire guard on body (See 4A-40)** | When large diameter tires are installed, this guard protects the tires from rocks falling from the dump body.<br>(This is necessary when large diameter tires are installed.) |
| **ROPS (See 4A-40)** | ROPS meeting SAE J1040C |
| **Noise suppression kit**<br>  | This consists of both side covers of the engine compartment, undercover, sound absorbing blade, sound absorbing material on under-surface of hood and sound suppressing muffler.<br>(The muffler must be installed) |



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| Description | Features |
|---|---|
| **Muffler (without body heating)**<br>  | This can reduce the exhaust noise regardless of body raising.<br>This muffler is available for users who do not require body heating. |
| **Radiator shutter** | The radiator shutter is installed to make the rise in water temperature faster when starting in cold areas, and to prevent overcooling.<br>It detects the water temperature and automatically opens or closes the shutter, so there is no time taken for installation or removal as with a radiator curtain. |
| **Water separator**<br>  | This removes water in the fuel, thereby maintaining engine reliability and durability.<br>(Areas or environments where fuel management is insufficient.) |
| **Fast-fill fuel system**<br>  | A quick charge coupler to match the WIGGINS quick charge system is installed to the fuel tank.<br>(The user must provide the pump unit.) |
| **Air dryer**<br>  | A fin-cooled type dryer is installed in the air circuit to remove the water in the circuit.<br>This prevents problems caused by freezing of water in the air circuit and makes maintenance easier. |
| **Air tank auto-drain valve** | This automatically drains the water in the air tank, making maintenance easier. (To prevent water from freezing inside the tubes.) |
| **Anti-lock Braking System (ABS)** | This system prevents the tire lock under slippery condition while applying service brake and gives safety drive of the truck. |
| **Automatic Spin Regulator (ASR)** | Since ASR automatically prevents the rear wheels from slipping singly on soft ground, etc., proper drive force is obtained. |



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## TIRE SELECTION

### Tire availability

Komatsu Dump Trucks employ the tubeless tire only.
Every tire size is classified into E3 or E4 codes.
Either E3 or E4 code had CR, GP or HR characteristics to meet specific operating conditions.
The relation between the tire characteristics and operating conditions is shown in the table.

| Model | Tires size | Code | Remark |
|---|---|---|---|
| HD255-5 | 16.00-25-28PR | E-3, E-4 | |
| | 16.00-25-32PR | E-3, E-4 | |
| | 16.00 R25 | E-3, E-4 | |
| HD325-7<br>HD325-7R | 18.00-33-32PR | E-3, E-4 | |
| | 18.00-33 | E-3, E-4 | |
| | 18.00 R33 | E-3, E-4 | |
| HD325-6 | 18.00-33-32PR | E-3, E-4 | |
| | 18.00-33-28PR | E-3, E-4 | |
| | 18.00 R33 | E-3, E-4 | * |
| HD405-7<br>HD405-7R | 18.00 R33 | E-3, E-4 | |
| HD405-6 | 18.00 R33 | E-3, E-4 | |
| HD465-7E0<br>HD465-7<br>HD465-7R | 24.00-35-36PR | E-3, E-4 | |
| | 24.00 R35 | E-3, E-4 | |
| HD605-7E0<br>HD605-7R | 24.00 R35 | E-3, E-4 | |

| Model | Tires size | Code | Remark |
|---|---|---|---|
| HD785-7 | 27.00 R49 | E-3, E-4 | |
| | 31/90 R49 | | |
| HD1500-7 | 33.00 R51 | E-4 | |
| 730E | 37.00 R57 | E-4 | |
| 830E | 40.00 R57 | E-4 | |
| 830E-AC | 40.00 R57 | E-4 | |
| | 46/90 R57 | E-4 | |
| 860E-1K | 50/80 R57 | E-4 | |
| | 50/90 R57 | E-4 | |
| 930E-4 | 53/80 R63 | E-4 | |
| 930E-4SE | 53/80 R63 | E-4 | |
| 960E-2 | 56/80 R63 | E-4 | |
| 960E-2K | 56/80 R63 | E-4 | |

*: USA source

**NOTE:** *When installing radial tires, please use the special rim for radial tire.

### Tire characteristics and operating conditions

| Characteristics | Haul Distance and Payload | Surface Condition | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Rocks Scattered on Surface | | | Surface Ruggedness | | | Sub-base | |
| | | Thin | Normal | Thick | Good | Normal | Bad | Normal | Soft |
| CR | Low TKPH (TMPH) | | ○ | ○ | | ○ | ○ | ○ | ○ |
| GP | Middle TKPH (TMPH) | | ○ | | | ○ | | ○ | |
| HR, SHRR | High TKPH (TMPH) | ○ | | | ○ | | | ○ | |

### TMPH RATING

Where the ambient temperature in an operating environment is high or where a long haul or high-speed drive is required, the standard tires are sometimes unsuitable because of their small TMPH.
Under the above operating conditions, it is recommended that the optimum tires be determined after obtaining TMPH by applying the formulas stated in the section 15 and referring to the following table.

**NOTE:** The TMPH rating is based on U.S. ton (not on metric ton)
△ TMPH = △ TKPH ÷ 1.46


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## TIRE SELECTION GUIDE FOR RIGID DUMP TRUCKS

| Model | Tire size | Manufacturer* | Code | Pattern | Type | TKPH (TMPH) | Inflation pressure kgf/cm$^2$ (PSI) | Structure |
|---|---|---|---|---|---|---|---|---|
| **HD255-5** | 16.00 – 25 | BS | E-3 | RL | 2A | 139 (95) | 5.75 (82) | Bias |
| | | BS | E-4 | RLS | 2A | 111 (76) | 5.75 (82) | Bias |
| | 16.00 R25 | BS | E-4 | VRLS | 3A | 168 (115) | 7 (100) | Radial |
| | | BS | E-4 | VRLS | 1A | 146 (100) | 7 (100) | Radial |
| | | BS | E-4 | VRLS | 2A | 112 (77) | 7 (100) | Radial |
| | | BS | E-4 | VZTS | | | 7 (100) | Radial |
| | | BS | E-4 | VMTS | 3A | 179 (123) | 7 (100) | Radial |
| | | BS | E-4 | VMTS | 1A | 157 (108) | 7 (100) | Radial |
| | | BS | E-4 | VMTS | 2A | 123 (84) | 7 (100) | Radial |
| | 16.00 – 25 | TOYO | E-3 | G-18 | SP | 175 (120) | 5.75 (82) | Bias |
| | | TOYO | E-3 | G-18 | CR | 145 (99) | 5.75 (82) | Bias |
| | | TOYO | E-4 | G-18ET | SP | 145 (99) | 5.75 (82) | Bias |
| | | TOYO | E-4 | G-18ET | CR | 124 (85) | 5.75 (82) | Bias |
| | 16.00 – 25 | YOKOHAMA | E-3 | Y67 | HR-H, HR-V | 153 (105) | 5.75 (82) | Bias |
| | | YOKOHAMA | E-3 | Y67 | RE-R, RE-T | 139 (95) | 5.75 (82) | Bias |
| | | YOKOHAMA | E-3 | Y67 | CP-S, CP-C | 124 (85) | 5.75 (82) | Bias |
| | | YOKOHAMA | E-4 | Y523 | HR-H, HR-V | 131 (90) | 5.75 (82) | Bias |
| | | YOKOHAMA | E-4 | Y523 | RE-R, RE-T | 117 (80) | 5.75 (82) | Bias |
| | | YOKOHAMA | E-4 | Y523 | CP-S, CP-C | 102 (70) | 5.75 (82) | Bias |
| | | YOKOHAMA | E-4 | Y523U | | | | |
| | 16.00 R25 | YOKOHAMA | E-4 | RB41 | HR | 162 (111) | 7 (100) | Radial |
| | | YOKOHAMA | E-4 | RB41 | SP | 160 (110) | 7 (100) | Radial |
| | | YOKOHAMA | E-4 | RB41 | CP | 124 (85) | 7 (100) | Radial |
| | 16.00 R25 | MICHELIN | E-3 | XK | B | 187 (128) | 7 (100) | Radial |
| | | MICHELIN | E-3 | XR | B | 204 (140) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XHD1 | A4 | 105 (72) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XHD1 | A | 164 (112) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XHD1 | B | 175 (120) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XHD1 | B | 152 (104) | 7 (100) | Radial |
| | | MICHELIN | E-4 | X-QUARRY | | 93 (64) | 7 (100) | Radial |
| | 16.00 – 25 | GY | E-3 | HRL-3A | | | 5.75 (82) | Bias |
| | 16.00 R25 | GY | E-3 | RL-3+ | 2S, 4S | | 7 (100) | Radial |
| | | GY | E-4 | RL-4B | 4, 6S | | 7 (100) | Radial |
| | | GY | E-4 | RL-4J | 6S | | 7 (100) | Radial |
| **HD325-6**<br>**HD405-6**<br>**HD325-7**<br>**HD325-7R**<br>**HD405-7**<br>**HD405-7R** | 18.00 – 33 | BS | E-3 | RL | 1A | 212 (145) | 5.75 (82) | Bias |
| | | BS | E-3 | RL | 2A | 190 (130) | 5.75 (82) | Bias |
| | | BS | E-4 | ELS2 | 1A | 182 (125) | 5.75 (82) | Bias |
| | | BS | E-4 | ELS2 | 2A | 161 (110) | 5.75 (82) | Bias |
| | 18.00 R33 | BS | E-3 | VEL | 3A | 307 (210) | 7 (100) | Radial |
| | | BS | E-3 | VEL | 1A | 263 (180) | 7 (100) | Radial |
| | | BS | E-3 | VEL | 2A | 213 (146) | 7 (100) | Radial |
| | | BS | E-4 | VRLS | 3A | 246 (168) | 7 (100) | Radial |
| | | BS | E-4 | VRLS | 1A | 211 (145) | 7 (100) | Radial |
| | | BS | E-4 | VRLS | 2A | 170 (116) | 7 (100) | Radial |
| | | BS | E-4 | VELS | 2A | | 7 (100) | Radial |
| | | BS | E-4 | VMTP | 2A | | 7 (100) | Radial |
| | | BS | E-4 | VZTS | 2A | | 7 (100) | Radial |
| | 18.00 – 33 | TOYO | E-3 | G-18 | SP | 211 (145) | 5.75 (82) | Bias |
| | | TOYO | E-3 | G-18 | CR | 182 (125) | 5.75 (82) | Bias |
| | | TOYO | E-4 | G-18ET | SP | 167 (114) | 5.75 (82) | Bias |
| | | TOYO | E-4 | G-18ET | CR | 145 (99) | 5.75 (82) | Bias |
| | | TOYO | E-4 | G-36ET | CR | 145 (99) | 5.75 (82) | Bias |
| | | TOYO | E-4 | G-36ET | CE | 109 (75) | 5.75 (82) | Bias |
| | 18.00 R33 | TOYO | E-4 | T-432 | HR | 218 (149) | 7 (100) | Radial |
| | | TOYO | E-4 | T-432 | SP | 167 (114) | 7 (100) | Radial |
| | | TOYO | E-4 | T-432 | CR | 124 (85) | 7 (100) | Radial |
| | 18.00 – 33 | YOKOHAMA | E-3 | Y67 | HR-H | 255 (175) | 5.75 (82) | Bias |
| | | YOKOHAMA | E-3 | Y67 | HR-V | 280 (192) | 5.75 (82) | Bias |
| | | YOKOHAMA | E-3 | Y67 | RE-R | 212 (145) | 5.75 (82) | Bias |
| | | YOKOHAMA | E-3 | Y67 | RE-T | 233 (160) | 5.75 (82) | Bias |
| | | YOKOHAMA | E-3 | Y67 | CP-S | 190 (130) | 5.75 (82) | Bias |

* Tire maker BS: BRIDGESTONE
GY: GOODYEAR

**NOTE1:** (1) The TKPH in the table is the value at 38°C (100°F) an ambient temperature. (The value as of February, 2000.) When the distance for the round trip exceeds 5 km, the tire life is governed by the travel conditions, so check with the tire maker for details of the TKPH when selecting the tires.

(2) The value for TKPH is reviewed from time to time by the tire maker, so consult the maker for the latest values.

(3) For details of the TKPH value and tire specifications for conditions not given in this table, please consult the tire maker.

**NOTE2:** Some tires in the above table cannot be selected for some destinations.



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| Model | Tire size | Manufacturer* | Code | Pattern | Type | TKPH (TMPH) | Inflation pressure kgf/cm$^2$ (PSI) | Structure |
|---|---|---|---|---|---|---|---|---|
| **HD325-6** | 18.00 – 33 | YOKOHAMA | E-4 | Y523 | HR-H | 219 (150) | 5.75 (82) | Bias |
| **HD405-6** | | YOKOHAMA | E-4 | Y523 | RH-V | 240 (164) | 5.75 (82) | Bias |
| **HD325-7** | | YOKOHAMA | E-4 | Y523 | RE-R | 182 (125) | 5.75 (82) | Bias |
| **HD325-7R** | | YOKOHAMA | E-4 | Y523 | RE-T | 197 (135) | 5.75 (82) | Bias |
| **HD405-7** | | YOKOHAMA | E-4 | Y523 | CP-S | 122 (84) | 5.75 (82) | Bias |
| **HD405-7R** | | YOKOHAMA | E-4 | Y523 | CP-C | 153 (105) | 5.75 (82) | Bias |
| | | YOKOHAMA | E-4 | Y523U | RE-R | 168 (115) | 5.75 (82) | Bias |
| | | YOKOHAMA | E-4 | Y523U | RE-T | 183 (125) | 5.75 (82) | Bias |
| | | YOKOHAMA | E-4 | Y523U | CP-S | 117 (80) | 5.75 (82) | Bias |
| | | YOKOHAMA | E-4 | Y523U | CP-C | 146 (100) | 5.75 (82) | Bias |
| | 18.00 R33 | MICHELIN | E-3 | XK | B | 279 (191) | 7 (100) | Radial |
| | | MICHELIN | E-3 | XR | B | 305 (209) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XDT | A4 | 157 (108) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XDT | A | 192 (132) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XDT | B | 262 (179) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XKD1 | A | 157 (108) | 7 (100) | Radial |
| | | MICHELIN | E-4 | X-QUARRY | | 122 (84) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XV | C | 436 (299) | 7 (100) | Radial |
| | | MICHELIN | E-4 | X-HAUL | | 262 (179) | 7 (100) | Radial |
| | 18.00 – 33 | GY | E-3 | HRL-3A | | | 5.75 (82) | Bias |
| | | GY | E-4 | HRL-4B | | | 5.75 (82) | Bias |
| | 18.00 R33 | GY | E-3 | RL-3+ | 2S, 4S | | 7 (100) | Radial |
| | | GY | E-4 | RL-4B | 4S, 6S | | 7 (100) | Radial |
| | | GY | E-4 | RL-4F | 4S | | 7 (100) | Radial |
| | | GY | E-4 | RL-4J | 4S, 6S | | 7 (100) | Radial |
| | | GY | E-4 | RL-4A | 4S | | 7 (100) | Radial |
| **HD465-7** | 24.00 – 35 | BS | E-3 | RL | 1A | 328 (225) | 5.75 (82) | Bias |
| **HD465-7E0** | | BS | E-3 | RL | 2A | 291 (199) | 5.75 (82) | Bias |
| **HD605-7E0** | | BS | E-4 | RLS | 3A | 394 (270) | 5.75 (82) | Bias |
| **HD465-7R** | | BS | E-4 | RLS | 1A | 277 (190) | 5.75 (82) | Bias |
| **HD605-7R** | | BS | E-4 | RLS | 2A | 234 (160) | 5.75 (82) | Bias |
| | 24.00 R35 | BS | E-3 | VEL | 3A | 524 (359) | 7 (100) | Radial |
| | | BS | E-3 | VEL | 1A | 448 (307) | 7 (100) | Radial |
| | | BS | E-3 | VEL | 2A | 362 (248) | 7 (100) | Radial |
| | | BS | E-4 | VRLS/VELS | 3A | 453 (310) | 7 (100) | Radial |
| | | BS | E-4 | VRLS/VELS | 1A | 388 (266) | 7 (100) | Radial |
| | | BS | E-4 | VRLS/VELS | 2A | 314 (215) | 7 (100) | Radial |
| | | BS | E-4 | VMTS | 3A | 489 (335) | 7 (100) | Radial |
| | | BS | E-4 | VMTS | 1A | 418 (286) | 7 (100) | Radial |
| | | BS | E-4 | VMTS | 2A | 338 (232) | 7 (100) | Radial |
| | | BS | E-4 | VMTS | 1A | 388 (266) | 7 (100) | Radial |
| | | BS | E-4 | VMTS | 2A | 314 (215) | 7 (100) | Radial |
| | 24.00 – 35 | TOYO | E-3 | G-18 | HR | 371 (254) | 5.75 (82) | Bias |
| | | TOYO | E-3 | G-18 | SP | 327 (224) | 5.75 (82) | Bias |
| | | TOYO | E-3 | G-18 | CR | 284 (195) | 5.75 (82) | Bias |
| | | TOYO | E-4 | G-18ET | HR | 298 (204) | 5.75 (82) | Bias |
| | | TOYO | E-4 | G-18ET | SP | 269 (184) | 5.75 (82) | Bias |
| | | TOYO | E-4 | G-18ET | CR | 225 (154) | 5.75 (82) | Bias |
| | | TOYO | E-4 | G-18ET | CE | 211 (145) | 5.75 (82) | Bias |
| | 24.00 R35 | TOYO | E-4 | T-433 | HR | 378 (259) | 7 (100) | Radial |
| | | TOYO | E-4 | T-433 | SP | 284 (195) | 7 (100) | Radial |
| | | TOYO | E-4 | T-433 | CR | 211 (145) | 7 (100) | Radial |
| | | TOYO | E-4 | T-452 | HR | 349 (239) | 7 (100) | Radial |
| | | TOYO | E-4 | T-452 | SP | 255 (175) | 7 (100) | Radial |
| | | TOYO | E-4 | T-452 | CR | 196 (134) | 7 (100) | Radial |

* Tire maker BS: BRIDGESTONE
GY: GOODYEAR

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(2) The value for TKPH is reviewed from time to time by the tire maker, so consult the maker for the latest values.

(3) For details of the TKPH value and tire specifications for conditions not given in this table, please consult the tire maker.

**NOTE2:** Some tires in the above table cannot be selected for some destinations.



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| Model | Tire size | Manufacturer* | Code | Pattern | Type | TKPH (TMPH) | Inflation pressure kgf/cm$^2$ (PSI) | Structure |
|---|---|---|---|---|---|---|---|---|
| **HD465-7** | 24.00 – 35 | YOKOHAMA | E-3 | Y67 | HR-H | 379 (260) | 5.75 (82) | Bias |
| **HD465-7E0** | | YOKOHAMA | E-3 | Y67 | RE-R | 314 (215) | 5.75 (82) | Bias |
| **HD605-7E0** | | YOKOHAMA | E-3 | Y67 | RE-T | 343 (235) | 5.75 (82) | Bias |
| **HD465-7R** | | YOKOHAMA | E-3 | Y67 | CP-C | 277 (190) | 5.75 (82) | Bias |
| **HD605-7R** | | YOKOHAMA | E-4 | Y527 | HR-H | 321 (220) | 5.75 (82) | Bias |
| | | YOKOHAMA | E-4 | Y527 | HR-V | 353 (242) | 5.75 (82) | Bias |
| | | YOKOHAMA | E-4 | Y527 | RE-R | 263 (180) | 5.75 (82) | Bias |
| | | YOKOHAMA | E-4 | Y527 | RE-T | 292 (200) | 5.75 (82) | Bias |
| | | YOKOHAMA | E-4 | Y527 | CP-S | 175 (120) | 5.75 (82) | Bias |
| | | YOKOHAMA | E-4 | Y527 | CP-C | 226 (155) | 5.75 (82) | Bias |
| | 24.00 R35 | MICHELIN | E-3 | XK | B | 474 (325) | 7 (100) | Radial |
| | | MICHELIN | E-3 | XR | B | 518 (355) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XDT | A4 | 266 (182) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XDT | A | 326 (223) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XDT | B | 444 (304) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XDT | C4 | 518 (355) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XKD1 | A4 | 207 (142) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XKD1 | A | 266 (182) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XKD1 | B | 385 (264) | 7 (100) | Radial |
| | | MICHELIN | E-4 | X-QUARRY | | 207 (142) | 7 (100) | Radial |
| | | MICHELIN | E-4 | X-QUARRY S | | 281 (192) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XV | C | 740 (507) | 7 (100) | Radial |
| | | MICHELIN | E-4 | X-HAUL | | 355 (243) | 7 (100) | Radial |
| | 24.00 R35 | GY | E-3 | RL-3+ | 2S, 4S | | | |
| | | GY | E-4 | RL-4F | 4S | | 7 (100) | Radial |
| | | GY | E-4 | RL-4B | 4S, 6S | | 7 (100) | Radial |
| | | GY | E-4 | RT-4J | 4S, 6S | | 7 (100) | Radial |
| | | GY | E-4 | RT-4A+ | 2S, 4S, 4S | | 7 (100) | Radial |
| **HD785-7** | 27.00 – 49 | BS | E-3 | EL | 3A | 701 (480) | 5.75 (82) | Bias |
| | | BS | E-4 | ELS | 1A | 409 (280) | 5.75 (82) | Bias |
| | | BS | E-4 | ELS | 2A | 350 (240) | 5.75 (82) | Bias |
| | 27.00 R49 | BS | E-3 | VRL/VEL | 3A | 753 (516) | 7 (100) | Radial |
| | | BS | E-3 | VRL/VEL | 1A | 644 (441) | 7 (100) | Radial |
| | | BS | E-3 | VRL/VEL | 2A | 521 (357) | 7 (100) | Radial |
| | | BS | E-4 | VRLS | 3A | 600 (411) | 7 (100) | Radial |
| | | BS | E-4 | VRLS | 1A | 513 (351) | 7 (100) | Radial |
| | | BS | E-4 | VRLS | 2A | 415 (284) | 7 (100) | Radial |
| | | BS | E-4 | VMTS | 3A | 702 (481) | 7 (100) | Radial |
| | | BS | E-4 | VMTS | 1A | 600 (411) | 7 (100) | Radial |
| | | BS | E-4 | VMTS | 2A | 486 (333) | 7 (100) | Radial |
| | | BS | E-4 | VMTS | 3A | 636 (436) | 7 (100) | Radial |
| | | BS | E-4 | VMTS | 1A | 544 (373) | 7 (100) | Radial |
| | | BS | E-4 | VMTS | 2A | 440 (301) | 7 (100) | Radial |
| | 27.00 – 49 | TOYO | E-3 | G-18 | HR | 611 (418) | 5.75 (82) | Bias |
| | | TOYO | E-4 | G-18ET | HR | 720 (493) | 5.75 (82) | Bias |
| | | TOYO | E-4 | G-18ET | SP | 592 (405) | 5.75 (82) | Bias |
| | | TOYO | E-4 | G-18ET | CR | 360 (210) | 5.75 (82) | Bias |
| | | TOYO | E-4 | G-18ET | CE | 291 (199) | 5.75 (82) | Bias |
| | 27.00 R49 | TOYO | E-4 | T-432 | HR | 545 (373) | 7 (100) | Radial |
| | | TOYO | E-4 | T-432 | SP | 422 (289) | 7 (100) | Radial |
| | | TOYO | E-4 | T-432 | CR | 327 (224) | 7 (100) | Radial |
| | | TOYO | E-4 | T-433/T-452 | HR | 516 (353) | 7 (100) | Radial |
| | | TOYO | E-4 | T-433/T-452 | SP | 363 (269) | 7 (100) | Radial |
| | | TOYO | E-4 | T-433/T-452 | CR | 305 (209) | 7 (100) | Radial |
| | 27.00 R49 | MICHELIN | E-3 | XK | B | 698 (478) | 7 (100) | Radial |
| | | MICHELIN | E-3 | XR | B | 763 (523) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XDT | A4 | 392 (268) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XDT | A | 480 (329) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XDT | B4 | 567 (388) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XDT | B | 654 (448) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XKD1/XDR | A4 | 305 (209) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XKD1/XDR | A | 392 (268) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XKD1/XDR | B4 | 480 (329) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XKD1/XDR | B | 567 (388) | 7 (100) | Radial |

* Tire maker BS: BRIDGESTONE
GY: GOODYEAR

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(2) The value for TKPH is reviewed from time to time by the tire maker, so consult the maker for the latest values.

(3) For details of the TKPH value and tire specifications for conditions not given in this table, please consult the tire maker.

**NOTE2:** Some tires in the above table cannot be selected for some destinations.



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| Model | Tire size | Manufacturer* | Code | Pattern | Type | TKPH (TMPH) | Inflation pressure kgf/cm$^2$ (PSI) | Structure |
|---|---|---|---|---|---|---|---|---|
| **HD785-7** | 27.00 R49 | GY | E-3 | RL-3+ | | | 7 (100) | Radial |
| | | GY | E-4 | RT-4A+ | 2, 4S, 6S | | 7 (100) | Radial |
| | | GY | E-4 | RL-4A | 2, 4S, 6S | | 7 (100) | Radial |
| | | GY | E-4 | RL-4H | 2, 4S, 6S | | 7 (100) | Radial |
| **HD1500-7** | 33.00 R51 | BS | E-4 | VMTS | 3A | 953 (653) | 7 (100) | Radial |
| | | BS | E-4 | VMTS | 1A | 802 (549) | 7 (100) | Radial |
| | | BS | E-4 | VMTS | 2A | 660 (452) | 7 (100) | Radial |
| | | BS | E-4 | VMTP | 1A | 700 (479) | 7 (100) | Radial |
| | | BS | E-4 | VMTP | 2A | 591 (405) | 7 (100) | Radial |
| | | BS | E-4 | VRLS/VELS | 3A | 807 (553) | 7 (100) | Radial |
| | | BS | E-4 | VRLS/VELS | 1A | 679 (465) | 7 (100) | Radial |
| | 33.00 R51 | TOYO | E-4 | T-431 | HR | 625 (428) | 7 (100) | Radial |
| | | TOYO | E-4 | T-431 | SP | 582 (399) | 7 (100) | Radial |
| | | TOYO | E-4 | T-431 | CR | 473 (324) | 7 (100) | Radial |
| | 33.00 R51 | MICHELIN | E-4 | XDT | A4 | 558 (382) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XDT | A | 682 (467) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XDT | B4 | 806 (552) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XDT | B | 930 (637) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XKD1/XDR | A | 496 (340) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XKD1/XDR | B4 | 620 (425) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XKD1/XDR | B | 744 (510) | 7 (100) | Radial |

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GY: GOODYEAR

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(2) The value for TKPH is reviewed from time to time by the tire maker, so consult the maker for the latest values.

(3) For details of the TKPH value and tire specifications for conditions not given in this table, please consult the tire maker.

**NOTE2:** Some tires in the above table cannot be selected for some destinations.



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| Model | Tire size | Manufacturer* | Code | Pattern | Type | TKPH (TMPH) | Inflation pressure kgf/cm$^2$ (PSI) | Structure |
|---|---|---|---|---|---|---|---|---|
| **730E** | 37.00 R57 | BS | E-4 | VRLS/VELS | 3A | 1003 (687) | 7 (100) | Radial |
| | | BS | E-4 | VRLS/VELS | 1A | 845 (579) | 7 (100) | Radial |
| | | BS | E-4 | VRLS/VELS | 2A | 694 (475) | 7 (100) | Radial |
| | | BS | E-4 | VELSL | 3A | 1200 (822) | 7 (100) | Radial |
| | | BS | E-4 | VZTS | 3A | 1003 (687) | 7 (100) | Radial |
| | | BS | E-4 | VZTS | 1A | 845 (579) | 7 (100) | Radial |
| | | BS | E-4 | VZTS | 2A | 694 (475) | 7 (100) | Radial |
| | 37.00 R57 | TOYO | E-4 | T-433 | HR | 1018 (697) | 7 (100) | Radial |
| | | TOYO | E-4 | T-433 | SP | 844 (578) | 7 (100) | Radial |
| | | TOYO | E-4 | T-433 | CR | 676 (463) | 7 (100) | Radial |
| | 37.00 R57 | MICHELIN | E-4 | XKD1/XDR | A | 678 (464) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XKD1/XDR | B4 | 848 (581) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XKD1/XDR | B | 1018 (697) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XKD1/XDR | C4 | 1145 (784) | 7 (100) | Radial |
| **830E-AC** | 40.00 – 57 | TOYO | E-4 | G-18ET | HR | 948 (649) | 5.75 (82) | Bias |
| | | TOYO | E-4 | G-18ET | SP | 693 (475) | 5.75 (82) | Bias |
| | | TOYO | E-4 | G-18ET | CR | 591 (405) | 5.75 (82) | Bias |
| | 40.00 – 57 | YOKOHAMA | E-4 | Y523 | HR-H | 715 (490) | 5.75 (82) | Bias |
| | | YOKOHAMA | E-4 | Y523 | HR-V | 788 (540) | 5.75 (82) | Bias |
| | | YOKOHAMA | E-4 | Y523 | RE-R | 598 (410) | 5.75 (82) | Bias |
| | | YOKOHAMA | E-4 | Y523 | RE-T | 657 (450) | 5.75 (82) | Bias |
| | | YOKOHAMA | E-4 | Y523 | CP-S | 409 (280) | 5.75 (82) | Bias |
| | | YOKOHAMA | E-4 | Y523 | CP-C | 511 (350) | 5.75 (82) | Bias |
| | 40.00 R57 | MICHELIN | E-4 | XKD1/XDR | A | 768 (526) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XKD1/XDR | B4 | 960 (658) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XKD1/XDR | B | 1152 (789) | 7 (100) | Radial |
| | | MICHELIN | E-4 | XKD1/XDR | C4 | 1296 (888) | 7 (100) | Radial |
| **860E-1K** | 50/80 R57 | MICHELIN | E-4 | XKD1 | A | 922 | 6 (87) | Radial |
| | | MICHELIN | E-4 | XKD1 | B4 | 1152 | 6 (87) | Radial |
| | | MICHELIN | E-4 | XKD1 | B | 1382 | 6 (87) | Radial |
| | | MICHELIN | E-5 | XKD1 | C4 | 1613 | 6 (87) | Radial |
| | | MICHELIN | E-4 | XDR | B4 | 1168 | 6 (87) | Radial |
| | | MICHELIN | E-4 | XDR | B | 1285 | 6 (87) | Radial |
| | | MICHELIN | E-4 | XDR | C4 | 1518 | 6 (87) | Radial |
| **930E-4**<br>**930E-4SE** | 53/80 R63 | BS | E-4 | VRLS/VELS | 3A | 1408 (964) | 7 (100) | Radial |
| | | BS | E-4 | VRLS/VELS | 1A | 1150 (788) | 7 (100) | Radial |
| | | BS | E-4 | VRLS/VELS | 2A | 974 (667) | 7 (100) | Radial |
| | | BS | E-4 | VRLSA | 3A | 1512 (1036) | 7 (100) | Radial |
| | | BS | E-4 | VRLSA | 1A | 1233 (845) | 7 (100) | Radial |
| | | BS | E-4 | VRLSA | 2A | 1045 (716) | 7 (100) | Radial |
| **960E-2**<br>**960E-2K** | 50/90 R57 | BS | E-4 | VELS/VRPS | E2A | 884 | 6 (87) | Radial |
| | | BS | E-4 | VELS/VRPS | E1A | 1092 | 6 (87) | Radial |
| | | BS | E-4 | VELS/VRPS | E3A | 1278 | 6 (87) | Radial |
| | 56/80 R63 | MICHELIN | E-4 | XDR | B4 | 1536 | 6 (87) | Radial |
| | | MICHELIN | E-4 | XDR | B | 1843 | 6 (87) | Radial |
| | | MICHELIN | E-4 | XDR | C4 | 2150 | 6 (87) | Radial |
| | 59/80 R63 | BS | E-4 | VRDP | E2A | 1160 | 7 (102) | Radial |
| | | BS | E-4 | VRDP | E1A | 1431 | 7 (102) | Radial |
| | | BS | E-4 | VRDP | E3A | 1675 | 7 (102) | Radial |

* Tire maker BS: BRIDGESTONE
GY: GOODYEAR

**NOTE1:** (1) The TKPH in the table is the value at 38°C (100°F) an ambient temperature. (The value as of February, 2000.) When the distance for the round trip exceeds 5 km, the tire life is governed by the travel conditions, so check with the tire maker for details of the TKPH when selecting the tires.

(2) The value for TKPH is reviewed from time to time by the tire maker, so consult the maker for the latest values.

(3) For details of the TKPH value and tire specifications for conditions not given in this table, please consult the tire maker.

**NOTE2:** Some tires in the above table cannot be selected for some destinations.



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## TIRE PATTERN

### BRIDGESTONE



VELS



VRLS



VRLSA



VMTP



VZTS



VMTS



ELS2



RLS



RLS2



VEL

### TOYO



G-18



G-18ET



G-36ET



T-431



T-433



T-452



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## TIRE PATTERN

### YOKOHAMA



Y-67



Y-523

### MICHELIN



XDTA4



XDR A



X-QUARRY

### GOODYEAR



HRL-3A



HRL-4B



EV-3+



GP-4C



RT-4A



GP-4B



RL-3+



RL-4J/4J II



RL-4H/4H II



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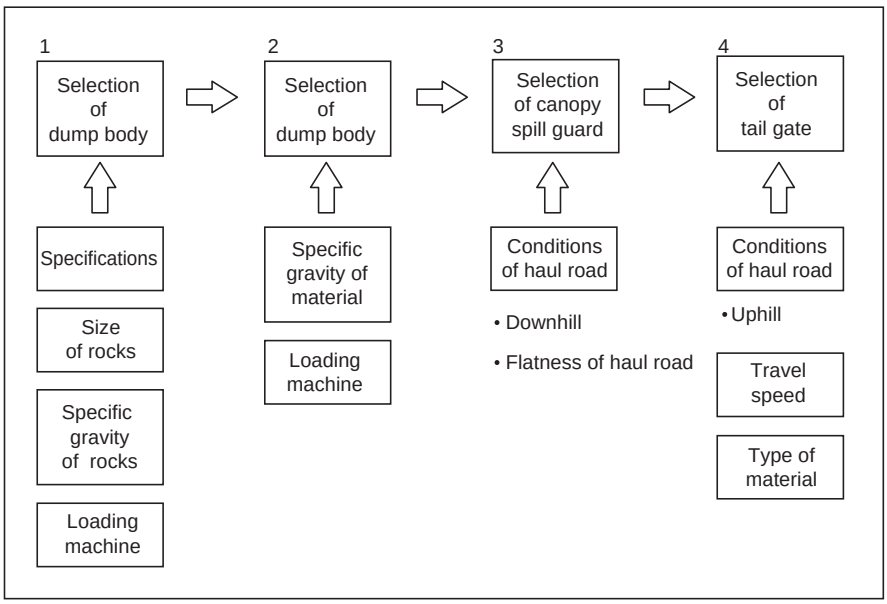
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## 1. Body selection

When selecting a dump body, it is necessary to consider the size of rocks, specific gravity of loaded meterials, loading machine types, etc.

The chart below shows how to select the optimum dump body.

If similar dump trucks are working at specific job sites, check the dump body types used there to help make selection.




## 2. Features of each dump body

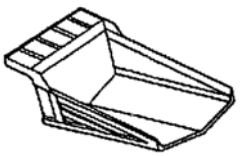
### 1) Liner-less body

**[Features]**

- The standard dump body is suitable for job sites where soil and sand is loaded. However, attach liners in advance for job sites where excessive wear is expected.
- Liners are not preinstalled.

**[Application]**

- Hauling of soil and sand.



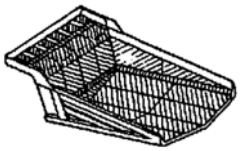
### 2) Rock body

**[Features]**

- The rock dump body is suitable for loading blasted rock in quarries, limestone mines, civil engineering sites, etc.
- The entire surface of inner dump body is lined steel liners.

**[Application]**

- Hauling rocks



| | | | | Liner-less body | Rock body |
|---|---|---|---|---|---|
| Body selection point | Durability of body | | | ○ | ⊙ |
| | Operator comfort at loading | | Shock | ○ | ○ |
| | | | Noise | ○ | ○ |
| Propriety by loading machines | Wheel loader | Standard for size of rocks | Below 0.5 m or 0.16 ton | ● | ○ |
| | | | Below 1.0 m or 1.3 ton | X | ● |
| | | | Below 1.5 m or 4.4 ton | X | X |
| | Hydraulic excavator | | Below 0.5 m or 0.16 ton | ● | ○ |
| | | | Below 1.0 m or 1.3 ton | ▲ | ● |
| | | | Below 1.5 m or 4.4 ton | X | ▲ |

Remarks ○ : Ordinary ⊙ : Excellent
● : Best X : Prohibited
▲ : Possible when loading height is lower than body top end.


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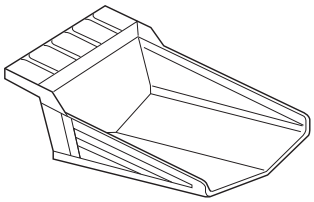

**3) Dump body for quarry (standard)**

**[Features]**

- Large capacity dump body with increased strength is suitable for quarries.
- Ultra hard wear-resistant steel plate is employed for increased hardness.
- Suitable for job sites where the liner replacement interval is longer than 12,000 hours.

**[Application]**

- Hauling of limestone
- Hauling of soil and sand
- Hauling of soil containing rock



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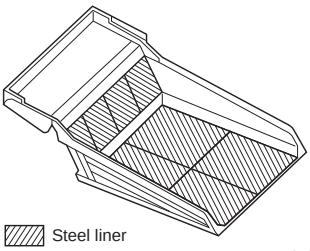
**4) Dump body with full liners (except sides) for quarry (option)**

**[Features]**

- Suitable for job sites where the principal work is hauling of rock and the liner replacement interval is shorter than 8,000 hours.

**[Application]**

- Hauling of small to medium size rock (1 m (3'3") maximum)
- Hauling of rock that is hard to crush




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### 3. Available body

| Model | | | HD255-5 | HD325-7R, HD325-7, HD325-6 | | HD405-7, HD405-6, HD405-7R |
|---|---|---|---|---|---|---|
| Body type | | | Standard body | Standard body | Rock body (OP) | Quarry body |
| Liner | Steel liner | Rock type | — | ○ | ● | — |
| | | Liner (option) | — | ○ | ○ | — |
| Body extension | | 200mm (7.9") | — | ○ | ○ | X |
| Canopy spill guard | | 150mm (5.9") | — | ○ | ○ | ○ |
| | | 250mm (9.8") | — | ○ | ○ | ○ |

| Model | | | HD465-7E0, HD465-7 HD465-7R | | HD605-7E0, HD605-7R |
|---|---|---|---|---|---|
| Body type | | | Standard body | Rock body (OP) | Quarry body |
| Liner | Steel liner | Rock type | ○ | ● | — |
| | | Liner (option) | — | — | ○ |
| Body extension | | 200mm (7.9") | ○ | ○ | X |
| Canopy spill guard | | 150mm (5.9") | ● | ● | ● |
| | | 200mm (7.9") | — | — | — |
| | | 250mm (9.8") | — | — | — |
| | | 300mm (11.8") | ○ | ○ | ○ |

| Model | | | HD785-7 | | |
|---|---|---|---|---|---|
| Body type | | | Standard body | Rock body (OP) | Light weight body (OP) |
| Liner | Steel liner | Rock type | ○ | ● | — |
| | | Liner | — | — | — |
| Body extension | | 200mm (7.9") | ○ | ○ | ○ |
| Canopy spill guard | | 200mm (7.9") | ● | ● | ● |
| | | 300mm (11.8") | ○ | ○ | ○ |

Remarks
● :Standard equipment for applicable body
○ :Optionally available
x :Installation prohibited
— :Not available
* :Mini tailgate



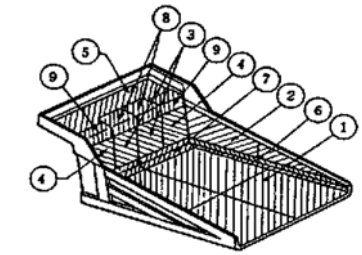
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### 4. Liner thickness of rock body and weight

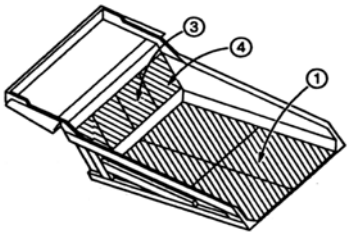
**HD325-7R/HD325-7/HD325-6**




▨ : Steel liner

| No. | Part | Plate thickness mm (in) |
|---|---|---|
| 1 | Bottom plate | 19 (0.75) |
| 2 | Side plate | 12 (0.47) |
| 3 | Front plate (center) | 16 (0.63) |
| 4 | Front plate (side) | 12 (0.47) |
| 5 | Canopy top plate | 9 (0.35) |
| 6 | Corner (bottom-side) | 12 (0.47) |
| 7 | Corner (bottom-front) | 12 (0.47) |
| 8 | Canopy corner (center) | 16 (0.63) |
| 9 | Canopy corner (side) | 12 (0.47) |
| Liner weight kg (lb) | | 4235 (9,340) |

**HD405-7R/HD405-7/HD405-6 Liner (Option)**

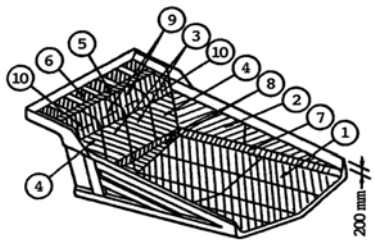



▨ : Steel liner

| No. | Part | Plate thickness mm (in) |
|---|---|---|
| 1 | Bottom plate | 14 (0.55) |
| 2 | Side plate | — |
| 3 | Front plate (center) | 14 (0.55) |
| 4 | Front plate (side) | 14 (0.55) |
| 5 | Canopy top plate | — |
| 6 | Corner (bottom-side) | — |
| 7 | Corner (bottom-front) | — |
| 8 | Canopy corner (center) | — |
| 9 | Canopy corner (side) | — |
| Liner weight kg (lb) | | 2070 (4,560) |

**HD465-7R/HD465-7E0/HD465-7**

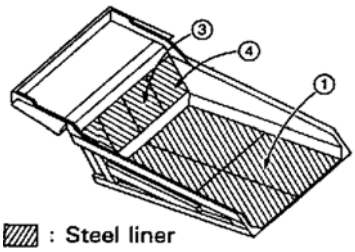
Rock body with 200 mm (7.9") body extension




▨ : Steel liner

| No. | Part | Plate thickness mm (in) |
|---|---|---|
| 1 | Bottom plate | 19 (0.75) |
| 2 | Side plate | 12 (0.47) |
| 3 | Front plate (center) | 16 (0.63) |
| 4 | Front plate (side) | 12 (0.47) |
| 5 | Canopy top plate | 9 (0.35) |
| 6 | Canopy top plate (front) | 6 (0.24) |
| 7 | Corner (bottom-side) | 12 (0.47) |
| 8 | Corner (bottom-front) | 12 (0.47) |
| 9 | Canopy corner (center) | 16 (0.63) |
| 10 | Canopy corner (side) | 12 (0.47) |
| Liner weight kg (lb) | | 5950 (13,120) |

**HD605-7R/HD605-7E0 Liner (Option)**




▨ : Steel liner

| No. | Part | Plate thickness mm (in) |
|---|---|---|
| 1 | Bottom plate | 14 (0.55) |
| 2 | Side plate | — |
| 3 | Front plate (center) | 14 (0.55) |
| 4 | Front plate (side) | 14 (0.55) |
| 5 | Canopy top plate | — |
| 6 | Corner (bottom-side) | — |
| 7 | Corner (bottom-front) | — |
| 8 | Canopy corner (center) | — |
| 9 | Canopy corner (side) | — |
| Liner weight kg (lb) | | 2610 (5,750) |



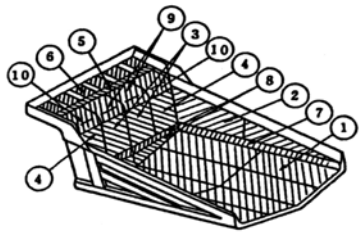
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**HD785-7**

Rock body




▨ : Steel liner

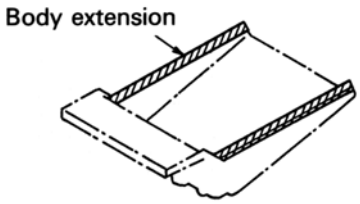
| No. | Part | Plate thickness mm (in) |
|---|---|---|
| 1 | Bottom plate | 19 (0.75) |
| 2 | Side plate | 12 (0.47) |
| 3 | Front plate (center) | 16 (0.63) |
| 4 | Front plate (side) | 12 (0.47) |
| 5 | Canopy top plate | 9 (0.35) |
| 6 | Canopy top plate (front) | 6 (0.24) |
| 7 | Corner (bottom-side) | 12 (0.47) |
| 8 | Corner (bottom-front) | 12 (0.47) |
| 9 | Canopy corner (center) | 16 (0.63) |
| 10 | Canopy corner (side) | 12 (0.47) |
| Liner weight kg (lb) | | 7895 (17,405) |



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## 5. Body extension selection

### Body extension and specifications

| Extension | Item | HD255-5 | HD325-7R<br>HD325-7<br>HD325-6 | HD405-7R<br>HD405-7<br>HD405-6 | HD465-7R<br>HD465-7E0<br>HD465-7 | HD605-7R<br>HD605-7E0 |
|---|---|---|---|---|---|---|
| Without body extension | Body capacity $m^3$<br>Struck/heaped ($yd^3$) | 13.2/17.7<br>(17.3/23.2) | 18.0/24.0<br>(23.5/31.4) | 20.0/27.3<br>(26.2/35.7) | 25.0/34.2<br>(32.7/44.7) | 29.0/40.0<br>(37.9/52.3) |
| | Loading height<br>mm (ft.in) | 2975 (9'9") | 3200 (10'6") | 3430 (11'3") | 3600 (11'10") | 3860 (12'8") |
| 200 mm (7.9") | Body capacity $m^3$<br>Struck/heaped ($yd^3$) | — | 20.0/27.0<br>(26.2/35.3) | — | *29.0/37.5<br>(37.9/49.1) | — |
| | Loading height<br>mm (ft.in) | — | 3400<br>(11'2") | — | 3800<br>(12'6") | — |
| Installed tire size | | 16.00-25 | 18.00-33 | 18.00-R33 | 24.00-35 | 24.00-R35 |

| Extension | Item | HD785-7 | | | | |
|---|---|---|---|---|---|---|
| Without body extension | Body capacity $m^3$<br>Struck/heaped ($yd^3$) | 40.0/60.0<br>(52.3/78.5) | | | | |
| | Loading height<br>mm (ft.in) | 4285<br>(14'1") | | | | |
| 200 mm (7.9") | Body capacity $m^3$<br>Struck/heaped ($yd^3$) | 46.0/66.0<br>(60.2/86.3) | | | | |
| | Loading height<br>mm (ft.in) | 4485<br>(14'9") | | | | |
| Installed tire size | | 27.00-R49 | | | | |

Remarks *: Standard equipment for HD465-7 rock body



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## Body extension selection table

### HD325-6, HD325-7, HD325-7R

| | | Body capacity m³ (ys³) | Specific gravity (Loose condition) |
|---|---|---|---|
| | | | 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 US ton/m³ |
| | | | 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 ton/m³ |
| Standerd body | | 24.0 (31.4) | |
| Extention | 200 mm (7.9”) | 27.0 (35.3) | |

### HD465-7, HD465-7E0, HD465-7R

| | | Body capacity m³ (ys³) | Specific gravity (Loose condition) |
|---|---|---|---|
| | | | 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 US ton/m³ |
| | | | 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 ton/m³ |
| Standerd body | | 34.2 (44.7) | |
| Extention | 200 mm (7.9”) | 37.5 (49.1) | |

### HD785- 7

| | | Body capacity m³ (ys³) | Specific gravity (Loose condition) |
|---|---|---|---|
| | | | 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 US ton/m³ |
| | | | 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 ton/m³ |
| Standerd body | | 60 (78.5) | |
| Extention | 200 mm (7.9”) | 66 (86.3) | |

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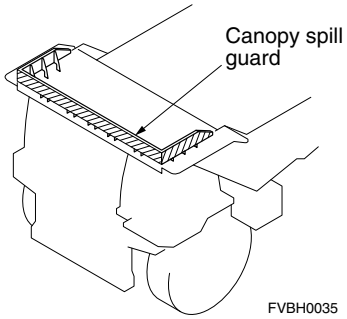


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## 6. Canopy spill guard selection




### Canopy spill guards and specifications

| Hight of additional spill guard to STD | Item / Model | | HD255-5 | HD325-7R HD325-7 HD325-6 | HD405-7R HD405-7 HD405-6 | HD465-7R HD465-7E0 HD465-7 | HD605-7R HD605-7E0 | HD785-7 |
|---|---|---|---|---|---|---|---|---|
| | Standard spill guard height | mm (ft.in) | 30 (1.1") | 40 (1.6") | 40 (1.6") | 180 (7.1") | 180 (7.1") | 200 (7.9") |
| | Mounting method | — | Welded | Welded | Welded | Welded | Welded | Welded |
| | Over all height | mm (ft.in) | 3625 (11'11") | 4000 (13'2") | 4000 (13'2") | 4400 (14'5") | 4400 (14'5") | 5050 (16'7") |
| 150 mm (5.9") | Mounting method | — | Bolt-on | Bolt-on | Bolt-on | — | — | — |
| | Over all height | mm (ft.in) | 3775 (12'5") | 4150 (13'7") | 4150 (13'7") | — | — | — |
| 250 mm (9.8") | Mounting method | — | Bolt-on | Bolt-on | Bolt-on | — | — | — |
| | Over all height | mm (ft.in) | 3875 (12'7") | 4250 (13'11") | 4250 (13'11") | — | — | — |
| 300 mm (11.8") | Mounting method | — | — | — | — | Welded | Welded | Welded |
| | Over all height | mm (ft.in) | — | — | — | 4300 (14'1") | 4300 (14'1") | 5350 (17'7") |



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## TRAVEL TIME (One way)

UNIT: MIN.

| DISTANCE ONE WAY | | AVERAGE TRAVEL SPEED KM/HR (MPH) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 |
| METERS | FEET | (3.1) | (6.2) | (9.3) | (12.4) | (15.5) | (18.6) | (21.7) | (24.9) | (28.0) | (31.1) | (34.2) | (37.3) |
| 50 | 160 | 0.60 | 0.30 | 0.20 | 0.15 | 0.12 | 0.10 | 0.09 | 0.88 | 0.07 | 0.06 | 0.05 | 0.05 |
| 100 | 330 | 1.20 | 0.60 | 0.40 | 0.30 | 0.24 | 0.20 | 0.17 | 0.15 | 0.13 | 0.12 | 0.11 | 0.10 |
| 200 | 660 | 2.40 | 1.20 | 0.80 | 0.60 | 0.48 | 0.40 | 0.34 | 0.30 | 0.27 | 0.24 | 0.22 | 0.20 |
| 300 | 980 | 3.60 | 1.80 | 1.20 | 0.90 | 0.72 | 0.60 | 0.51 | 0.45 | 0.40 | 0.36 | 0.33 | 0.30 |
| 500 | 1640 | 6.00 | 3.00 | 2.00 | 1.50 | 1.20 | 1.00 | 0.86 | 0.75 | 0.67 | 0.60 | 0.55 | 0.50 |
| 1000 | 3280 | 12.00 | 6.00 | 4.00 | 3.00 | 2.40 | 2.00 | 1.71 | 1.50 | 1.33 | 1.20 | 1.09 | 1.00 |
| 1500 | 4920 | 18.00 | 9.00 | 6.00 | 4.50 | 3.60 | 3.00 | 2.57 | 2.25 | 2.00 | 1.80 | 1.64 | 1.50 |
| 2000 | 6560 | 24.00 | 12.00 | 8.00 | 6.00 | 4.80 | 4.00 | 3.43 | 3.00 | 2.67 | 2.40 | 2.18 | 2.00 |
| 3000 | 9840 | 36.00 | 18.00 | 12.00 | 9.00 | 7.20 | 6.00 | 5.14 | 4.50 | 4.00 | 3.60 | 3.27 | 3.00 |
| 5000 | 16410 | 60.00 | 30.00 | 20.00 | 15.00 | 12.00 | 10.00 | 8.57 | 7.50 | 6.67 | 6.00 | 5.45 | 5.00 |

Cycle time = Loading time + Hauling time +Dumping time + Return time + Spot & delay time

- ○ Determine hauling and return time from the above table respectively.
- ○ Loading time = (Loader cycle time) × (No. of cycles to fill dump truck)
- ○ Average fixed time (dumping, spot & delay): 1.25 ~ 1.65 min.

## Estimated Production (Metric ton per hour)

| ESTIMATED CYCLE TIME (MIN.) | PAYLOAD (METRIC TON) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 18 | 20 | 32 | 46 | 68 | 78 | 120 | 160 | 180 |
| 3 | 360 | 400 | 640 | 920 | 1360 | 1560 | 2400 | 3200 | 3600 |
| 6 | 180 | 200 | 320 | 460 | 680 | 780 | 1200 | 1600 | 1800 |
| 9 | 120 | 133 | 213 | 307 | 453 | 520 | 800 | 1067 | 1200 |
| 12 | 90 | 100 | 160 | 230 | 340 | 390 | 600 | 800 | 900 |
| 15 | 72 | 80 | 128 | 184 | 272 | 312 | 480 | 640 | 720 |
| 18 | 60 | 67 | 107 | 153 | 227 | 260 | 400 | 533 | 600 |
| 21 | 51 | 57 | 91 | 131 | 194 | 223 | 343 | 457 | 514 |
| 24 | 45 | 50 | 80 | 115 | 170 | 195 | 300 | 400 | 450 |
| 27 | 40 | 44 | 71 | 102 | 151 | 173 | 267 | 356 | 400 |
| 30 | 36 | 40 | 64 | 92 | 136 | 156 | 240 | 320 | 360 |
| 35 | 31 | 34 | 55 | 79 | 117 | 134 | 206 | 274 | 309 |
| 40 | 27 | 30 | 48 | 69 | 102 | 117 | 180 | 240 | 270 |
| 45 | 24 | 27 | 43 | 61 | 91 | 104 | 160 | 213 | 240 |
| 50 | 22 | 24 | 38 | 55 | 82 | 94 | 144 | 192 | 196 |
| 55 | 20 | 22 | 35 | 50 | 74 | 85 | 131 | 175 | 196 |
| 60 | 18 | 20 | 32 | 46 | 68 | 78 | 120 | 160 | 180 |

* Actual production =
(Estimated production) ×(Job efficiency)

### Job efficiency (E)

| Operation conditions | E |
|---|---|
| Good | 0.83 |
| Average | 0.80 |
| Rather poor | 0.75 |
| Poor | 0.70 |

## Estimated Production (U.S ton per hour)

| ESTIMATED CYCLE TIME (MIN.) | PAYLOAD (U.S. TON) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 20 | 22 | 35 | 51 | 75 | 86 | 132 | 176 | 198 |
| 3 | 400 | 440 | 700 | 1020 | 1500 | 1720 | 2640 | 3520 | 3960 |
| 6 | 200 | 220 | 350 | 510 | 750 | 860 | 1320 | 1760 | 1980 |
| 9 | 133 | 147 | 233 | 340 | 500 | 573 | 880 | 1173 | 1320 |
| 12 | 100 | 110 | 175 | 255 | 375 | 430 | 660 | 880 | 990 |
| 15 | 80 | 88 | 140 | 204 | 300 | 344 | 528 | 704 | 792 |
| 18 | 67 | 73 | 117 | 170 | 250 | 287 | 440 | 587 | 660 |
| 21 | 57 | 63 | 100 | 146 | 214 | 246 | 377 | 503 | 566 |
| 24 | 50 | 55 | 88 | 128 | 188 | 215 | 330 | 440 | 495 |
| 27 | 44 | 49 | 78 | 113 | 167 | 191 | 293 | 391 | 440 |
| 30 | 40 | 44 | 70 | 102 | 150 | 172 | 264 | 352 | 396 |
| 35 | 34 | 38 | 60 | 87 | 129 | 147 | 226 | 302 | 339 |
| 40 | 30 | 33 | 53 | 77 | 113 | 129 | 198 | 264 | 297 |
| 45 | 27 | 29 | 47 | 68 | 100 | 115 | 176 | 235 | 264 |
| 50 | 24 | 26 | 42 | 61 | 90 | 103 | 158 | 211 | 238 |
| 55 | 22 | 24 | 38 | 56 | 82 | 94 | 144 | 192 | 216 |
| 60 | 20 | 22 | 35 | 51 | 75 | 86 | 132 | 176 | 198 |



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SECTION 4B

# ARTICULATED DUMP TRUCKS

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## Ecology Features

### EPA Tier 4 Interiam and EU Stage 3B emissions certified engine

**NOTE:** For details, see the page of engine features (Section 11)

(HM300-3, HM400-3)

### ecot3 (EPA Tier 3, EU Stage 3A certified engine)

Komatsu develops and produces all major components, such as engines, electronics and hydraulic components in house.

With this “Komatsu Technology”, and adding customer feedback, Komatsu is achieving great advancements in technology.

To achieve high levels of productivity and ecology, Komatsu developed the main components with an advanced control system.

The result is a new generation of high performance and environment friendly machines.

(HM250-2, HM300-2, HM350-2 and HM400-2)

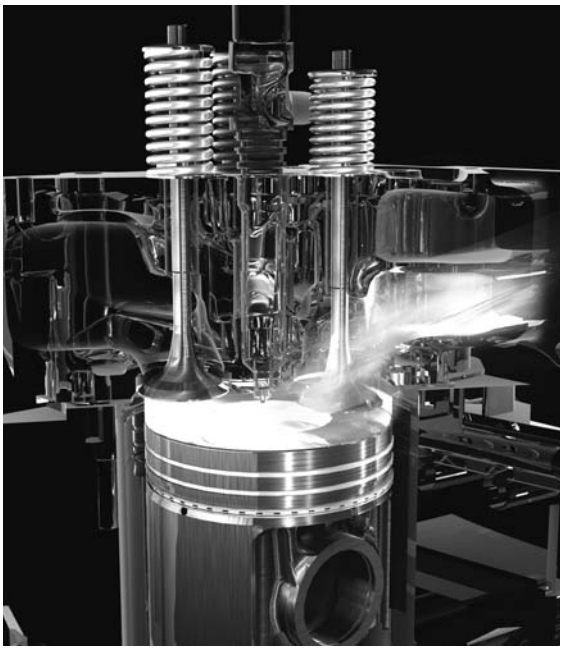



### Fuel efficient electronic controlled engine

The engine is EPA Tier 3 and EU Stage 3A emission regulation certified. The engine is turbocharged and features Common Rail Injection System (CRI) and air-to-air aftercooling to maximize power, fuel efficiency and emission compliance.

To minimize noise and vibration, the engine is mounted to the main frame with rubber cushions.

(HM250-2, HM300-2, HM350-2 and HM400-2)



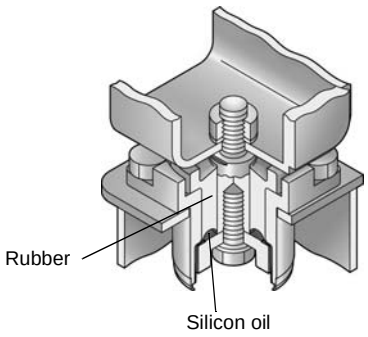


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## ■ Comfortable operator environment

- **Wide, Spacious Cab**
  The wide cab provides a comfortable space for the operator and a full size buddy seat. Large, electrically operated windows and the operator's seat positioned to the left side ensure superior visibility.
- **Ergonomically Designed Cab**
  The ergonomically designed operator's compartment makes it very easy and comfortable for the operator to use all the controls.
- **Viscous Cab Mounts**
  Viscous mounts reduce the noise transmitted to the cab and achieve a quiet noise level.



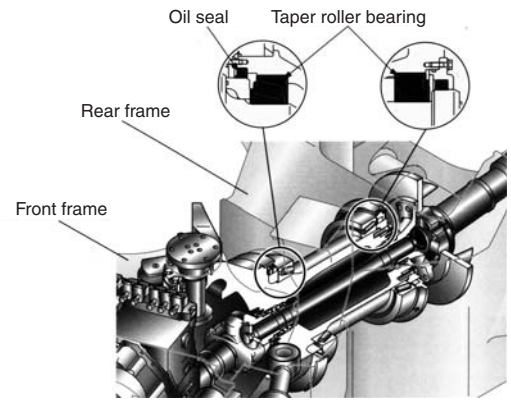

## ■ Easy maintenance

- **Tiltable cab**
  The cab can be tilted rearward to provide easy maintenance/service for the engine and transmission.



- **Extended Service Intervals**
  In order to minimize operating costs service intervals have been extended.
  - Engine oil: 500 hours
  - Transmission oil: 1000 hours
  - Engine & transmission filters: 500 hours

- **Hydropneumatic Suspension for All Terrain**
  The hydropneumatic suspension assures a comfortable ride even over rough terrain and ensures maximum productivity and operator confidence.
- **Air Suspension Seat**
  The air suspension fabric covered seat which is adjustable to the operator's weight is provided as standard.
- **Electric Body Dump Control Lever**
  The extra light lever makes dumping easier than ever.
- **Supplementary Steering and Secondary Brakes**
  Supplementary steering and secondary brakes are standard features.
- **Easy-to-See Instrument Panel**
  The instrument panel makes it easy to monitor critical machine functions. In addition a caution light warns the operator of any problems that may occur. Problems are recorded in the monitor and indicated as service codes.
  This makes the machine very friendly and easy to service.
- **Steering Wheel and Pedals**
  Low effort pedals reduce driver fatigue when working continuously for long periods. The tiltable, telescoping steering column enables operators to maintain the optimum driving position at all times.
- **Fewer Grease Points**
  We have minimized the number of grease points by using maintenance-free rubber bushings and a lubrication-free oscillating hitch.





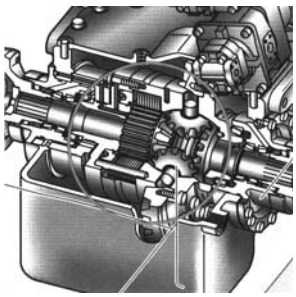
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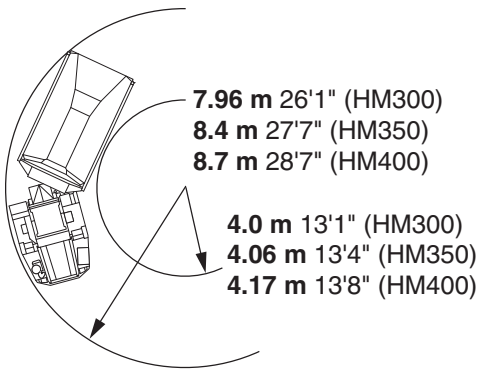


## ■ High productivity

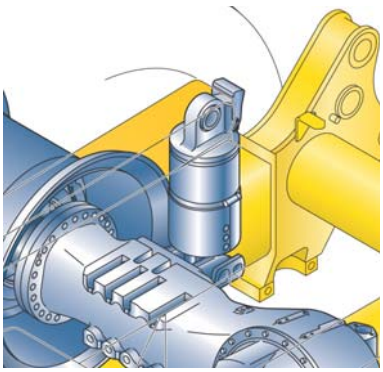
- **High performance SAA6D125E-3 and SAA6D140E-3 Komatsu engines**
  - Those engine delivers faster acceleration and higher travel speeds with the highest horsepower per ton in its class.
  - The engines meets the USA EPA Tier 2 emission regulations.
  - High torque at low speed, impressive acceleration and low fuel consumption ensure maximum productivity.
    (HM300-1, HM350-1 and HM400-1)
- **Interaxle & differential locking systems**
  The full-time six-wheel drive system reduces slippage. A wet multiple-disc interaxle clutch also locks the three axles in unison for greater traction. The interaxle lock and differential locks can be switched on and off while the truck is traveling, thereby boosting productivity.



- **Large capacity body and box section frame structure**
  The body is built of thick wear-resistant steel with a Brinell hardness of 400, and the body shape provides excellent load stability.
- **Articulated steering**
  Fully hydraulic articulated steering offers low-effort operating performance and maneuverability.
  Small minimum turning radius provides the freedom to move about in confined areas.




- **Komatsu designed electronically controlled transmission**
  Komatsu designed Electronically Controlled transmission called K-ATOMiCS has been successfully employed in Komatsu's rigid dump trucks. The electronic clutch modulation system ensures proper clutch pressure when the clutch is engaged. the total control system controls both the engine and transmission by monitoring the vehicle conditions. This high technology system assures smooth shifts without shock.
- **Hydropneumatic suspension**
  The hydropneumatic suspension has been proven on Komatsu's rigid dump trucks. The front axle suspension employs "De Dion" type design, allowing the machine to ride more smoothly over bumps. The rear-axles are mounted on a dynamic equalizer structure equipped with hydropneumatic suspension.



- **Fully hydraulically controlled Wet multiple-disk brakes and retarder**
  Wet multiple-disk brakes have been proven on Komatsu dump trucks and wheel loaders. They ensure highly reliable and stable brake performance. The large-capacity wet-multiple disk brakes also function as a highly responsive retarder which gives the operator great confidence while traveling downhill.



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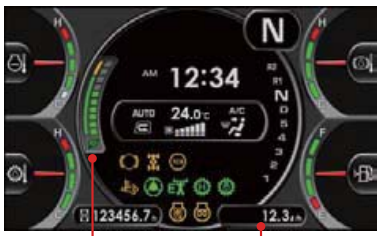
## ■ Information & communication technology

- **ECO guidance**
  **The energy saving operation is supported by "ECO Guidance" in real time.**
  This new model is equipped advanced ICT (Information & Communication Technology) devices such as multiple-purpose color monitor panel, which also provide the operator with energy saving machine operation guidance.



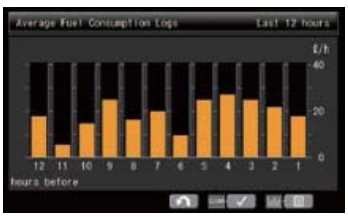

ECO guidance

- **ECO gauge**
  The ECO gauge indicates the fuel consumption rate at the moment during operation.
  Operating the machine by keeping the gauge within the green zone leads to the energy-saving operation.
  * Fuel consumption rate depends on the work load and accelerator pedal operation.




ECO gauge Fuel consumption gauge

- **Energy saving operation guide & report**
  The operator can check the operation record, ECO Guidance record, and fuel consumption record.
  The Operation Records indicates today's operation status of the machine.
  The ECO Guidance Records displays the number of occurrences of each guidance message. During operation, it is requested to reduce the number of occurrences of each guidance message in order to achieved energy-saving operation.
  The Average Fuel Consumption Logs graph the fuel consumption for recent 12 hours (based on service meter reading) and daily fuel consumption in the previous one week.




Average fuel consumption logs

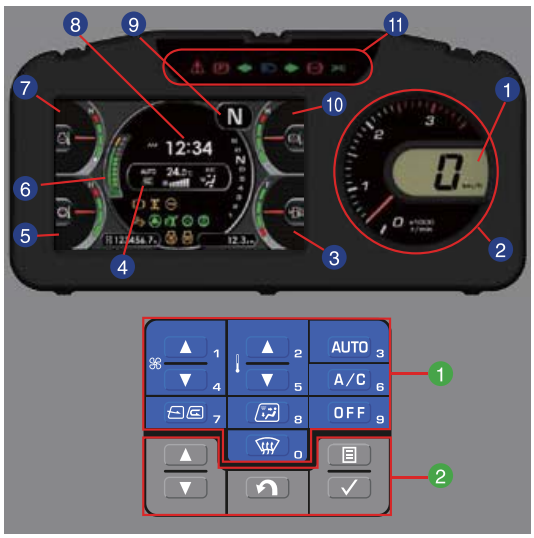
## ■ Machine monitor

The machine monitor display various machine information and allows for various settings of the machine.
The LCD unit is a 7-inch color TFT-LCD and displays maintenance information, operation record, ECO guidance record, etc.
The switch panel is used to select various LCD unit screens and the air conditioner control screen.
By using the switch panel, you can display various user menus on the LCD unit screen and perform the settings of the machine.

**Machine monitor**

1. Speed meter
2. Engine tachometer
3. Fuel gauge
4. Air conditioner display
5. Torque converter oil temperature gauge
6. ECO gauge
7. Engine water temperature gauge
8. Time display
9. Shift indicator
10. Retarder oil temperature gauge
11. LED indicator

(HM300-3, HM400-3)




**Switch panel**

1. Air conditioner switches / Numeral key pad
2. Function switches



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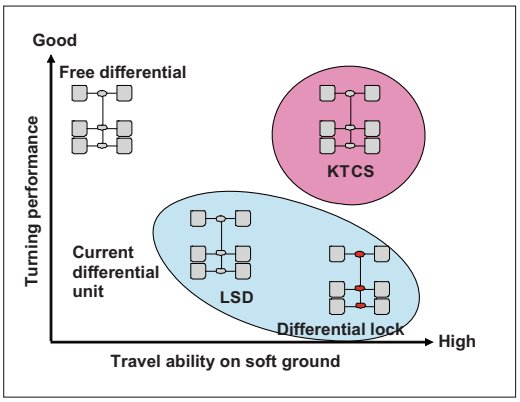
## ■ Safety features



- **Komatsu traction control system (KTCS)**
  Komatsu has developed various shoe/wheel slip control technologies including Shoe Slip Control (SSC) system for bulldozers, Automatic Spin Regulator (ASR) for rigid type off-highway dump trucks, etc. These technologies are refined and combined with newly developed slip control technologies for articulated dump trucks to produce the evolutionally-advanced traction control system.

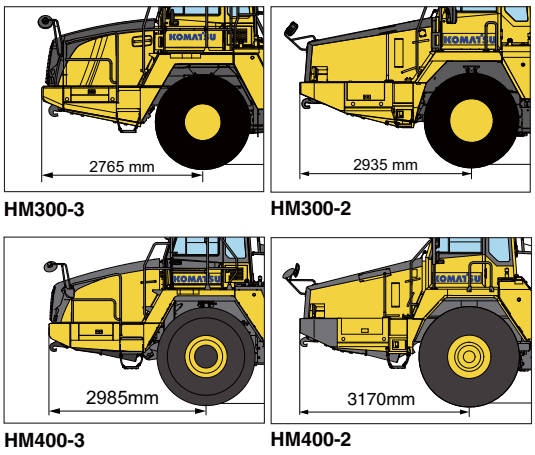
  New traction control system allows easy traveling on soft ground and slippery road only by operating the accelerator. This also provides much better turning performance than the conventional differential lock-up or the Limited Slip Differential (LSD).

  (HM300-3, HM400-3)




- **Access safety**
  A spike type hubbly-faced antiskid plate is used for boarding the HM300-3/HM400-3. A guard rail around the engine hood has been added.

- **Short nose**
  New layout of the cooling system allows for a shorter nose shape compared to the previous model increasing the field of view to the operator.







- **Color rear view camera and monitor**
  The new color rear view camera & monitor are equipped as standard.



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| Item | Model | ○HM300-3 | •HM300-2 | HM300-2R |
|---|---|---|---|---|
| WEIGHT: | kg (lb) | | | |
| Empty vehicle weight* | | 24910 (54,920) | 24040 (53,000) | 24040 (53,000) |
| Distribution (front) | | 14200 (31,310) | 13414 (29,570) | 13414 (29,570) |
| (center) | | 5730 (12,630) | 5673 (12,510) | 5673 (12,510) |
| (rear) | | 4980 (10,980) | 4953 (10,920) | 4953 (10,920) |
| Gross vehicle weight | | 52990 (116,820) | 51420 (113,360) | 51420 (113,360) |
| Distribution (front) | | 15370 (33,880) | 15580 (34,350) | 15580 (34,350) |
| (center) | | 19340 (42,640) | 18150 (40,010) | 18150 (40,010) |
| (rear) | | 18280 (40,300) | 17690 (39,000) | 17690 (39,000) |
| Gross horsepower | kW (HP)/RPM | 248 (332)/2000 | 254 (340)/2000 | 254 (340)/2000 |
| Net horsepower | kW (HP)/RPM | 242 (324)/2000 | 246 (329)/2000 | 246 (329)/2000 |
| HAULING CAPACITY: | | | | |
| Maximum payload | m. ton (U.S. ton) | 28.0 (31) | 27.3 (30.1) | 27.3 (30.1) |
| Heaped capacity (2:1) | $m^3$ ($yd^3$) | 17.1 (22.4) | 16.6 (21.7) | 16.6 (21.7) |
| PERFORMANCE: | | | | |
| Maximum speed | km/h (MPH) | 58.6 (36.4) | 58.6 (36.4) | 58.6 (36.4) |
| Turning radius | m (ft.in) | 8.1 (26'7") | 7.96 (26'1") | 7.96 (26'1") |
| ENGINE: | | KOMATSU | KOMATSU | KOMATSU |
| Model | | SAA6D125E-6 | SAA6D125E-5 | SAA6D125E-5 |
| No. of cylinders- | | 6 | | |
| bore × stroke | mm (in) | 125 × 150 (4.92 × 5.91) | 6-125 × 150 (4.92 × 5.91) | 6-125 × 150 (4.92 × 5.91) |
| Displacement | ltr. ($in^3$) | 11.04 (674) | 11.04 (674) | 11.04 (674) |
| DIMENSION: | | See DIMENSIONS | | |
| TIRES: | | | | |
| Front tire | | 23.5 R25 × 2 | 23.5 R25 × 2 | 23.5 R25 × 2 |
| Center tire | | 23.5 R25 × 2 | 23.5 R25 × 2 | 23.5 R25 × 2 |
| Rear tire | | 23.5 R25 × 2 | 23.5 R25 × 2 | 23.5 R25 × 2 |
| CAPACITY:Fuel tank | ltr. (U.S. Gal) | 388.3 (102.6) | 384 (101.5) | 384 (101.5) |

* Weight includes lubricants, coolant, full fuel tank and standard body.

| Item | Model | HM300-1 | •HM350-2 | HM350-2R |
|---|---|---|---|---|
| WEIGHT: | kg (lb) | | | |
| Empty vehicle weight* | | 22500 (49,600) | 31060 (68,470) | 31060 (68,470) |
| Distribution (front) | | 12770 (28,150) | 17828 (39,300) | 17828 (39,300) |
| (center) | | 5000 (11,020) | 6709 (14,790) | 6709 (14,790) |
| (rear) | | 4730 (10,430) | 6523 (14,380) | 6523 (14,380) |
| Gross vehicle weight | | 49875 (109,950) | 63440 (139,860) | 63440 (139,860) |
| Distribution (front) | | 14860 (10710) | 20174 (44,480) | 20174 (44,480) |
| (center) | | 17805 (39,250) | 21696 (47,830) | 21696 (47,830) |
| (rear) | | 17210 (37,940) | 21570 (47,550) | 21570 (47,550) |
| Gross horsepower | kW (HP)/RPM | 250 (335)/2000 | 304 (408)/2000 | 304 (408)/2000 |
| Net horsepower | kW (HP)/RPM | 242 (324)/2000 | 294 (394)/2000 | 294 (394)/2000 |
| HAULING CAPACITY: | | | | |
| Maximum payload | m. ton (U.S. ton) | 27.3 (30.1) | 32.3 (35.6) | 32.3 (35.6) |
| Heaped capacity (2:1) | $m^3$ ($yd^3$) | 16.6 (21.7) | 19.8 (25.9) | 19.8 (25.9) |
| PERFORMANCE: | | | | |
| Maximum speed | km/h (MPH) | 59.0 (36.7) | 57.1 (35.5) | 57.1 (35.5) |
| Turning radius | m (ft.in) | 7.96 (26'1") | 8.6 (28'3") | 8.6 (28'3") |
| ENGINE: | | KOMATSU | KOMATSU | KOMATSU |
| Model | | SAA6D125E-3 | SAA6D140E-5 | SAA6D140E-5 |
| No. of cylinders- | | | | |
| bore × stroke | mm (in) | 6-125 × 150 (4.92 × 5.91) | 6-140 × 165 (5.51 × 6.50) | 6-140 × 165 (5.51 × 6.50) |
| Displacement | ltr. ($in^3$) | 11.04 (674) | 15.24 (930) | 15.24 (930) |
| DIMENSION: | | See DIMENSIONS | | |
| TIRES: | | | | |
| Front tire | | 23.5 R25 × 2 | 26.5 R25 × 2 | 26.5 R25 × 2 |
| Center tire | | 23.5 R25 × 2 | 26.5 R25 × 2 | 26.5 R25 × 2 |
| Rear tire | | 23.5 R25 × 2 | 26.5 R25 × 2 | 26.5 R25 × 2 |
| CAPACITY:Fuel tank | ltr. (U.S. Gal) | 382 (100.9) | 493 (130.3) | 493 (130.3) |

* Weight includes lubricants, coolant, full fuel tank and standard body.
• EPA Tier 3 and EU Stage 3A model
○ EPA Tier 4 Interim and EU Stage 3B model



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| Item | Model | HM350-1 | ○HM400-3 | •HM400-2 |
|---|---|---|---|---|
| WEIGHT: | kg (lb) | | | |
| Empty vehicle weight* | | 28550 (62,940) | 33660 (74,210) | 32460 (71,560) |
| Distribution (front) | | 15850 (34,920) | 18990 (41,870) | 17885 (39,430) |
| (center) | | 6350 (14,000) | 7570 (16,690) | 7400 (16,310) |
| (rear) | | 6350 (14,000) | 7100 (15,650) | 7175 (15,820) |
| Gross vehicle weight | | 60925 (134,320) | 73740 (162,570) | 69040 (152,210) |
| Distribution (front) | | 18545 (40,880) | 21680 (47,800) | 20022 (44,140) |
| (center) | | 21190 (46,720) | 26100 (57,540) | 24647 (54,340) |
| (rear) | | 21190 (46,720) | 25960 (57,230) | 24371 (53,730) |
| Gross horsepower | kW (HP)/RPM | 298 (399)/2000 | 353 (473)/2000 | 338 (453)/2000 |
| Net horsepower | kW (HP)/RPM | 290 (389)/2000 | 350 (469)/2000 | 327 (438)/2000 |
| HAULING CAPACITY: | | | | |
| Maximum payload | m. ton (U.S. ton) | 32.3 (35.6) | 40 (44.1) | 36.5 (40.0) |
| Heaped capacity (2:1) | $m^3$ ($yd^3$) | 19.8 (25.9) | 24.0 (31.4) | 22.3 (29.2) |
| PERFORMANCE: | | | | |
| Maximum speed | km/h (MPH) | 57.0 (35.4) | 55.9 (34.7) | 58.5 (36.4) |
| Turning radius | m (ft.in) | 8.4 (27'7") | 8.8 (28'10") | 8.7 (28'7") |
| ENGINE: | | KOMATSU | KOMATSU | KOMATSU |
| Model | | SAA6D140E-3 | SAA6D140E-6 | SAA6D140E-5 |
| No. of cylinders- | | | 6 | |
| bore × stroke | mm (in) | 6-140 × 165 (5.51 × 6.50) | 140 × 165 (5.51 × 6.50) | 6-140 × 165 (5.51 × 6.50) |
| Displacement | ltr. ($in^3$) | 15.24 (930) | 15.24 (930) | 15.24 (930) |
| DIMENSION: | | See DIMENSIONS | | |
| TIRES: | | | | |
| Front tire | | 26.5 R25 × 2 | 29.5 R25 × 2 | 29.5 R25 × 2 |
| Center tire | | 26.5 R25 × 2 | 29.5 R25 × 2 | 29.5 R25 × 2 |
| Rear tire | | 26.5 R25 × 2 | 29.5 R25 × 2 | 29.5 R25 × 2 |
| CAPACITY:Fuel tank | ltr. (U.S. Gal) | 495 (130.8) | 518 (137) | 493 (130.3) |

| Item | Model | HM400-2R | HM400-1 | |
|---|---|---|---|---|
| WEIGHT: | kg (lb) | | | |
| Empty vehicle weight* | | 32460 (71,560) | 30300 (66,800) | |
| Distribution (front) | | 17885 (39,430) | 16790 (37020) | |
| (center) | | 7400 (16,310) | 6755 (14,890) | |
| (rear) | | 7175 (15,820) | 6755 (14,890) | |
| Gross vehicle weight | | 69040 (152,210) | 66875 (147,430) | |
| Distribution (front) | | 20022 (44,140) | 19055 (42,010) | |
| (center) | | 24647 (54,340) | 23910 (51,120) | |
| (rear) | | 24371 (53,730) | 23910 (51,120) | |
| Gross horsepower | kW (HP)/RPM | 338 (453)/2000 | 331 (444)/2000 | |
| Net horsepower | kW (HP)/RPM | 327 (438)/2000 | 321 (430)/2000 | |
| HAULING CAPACITY: | | | | |
| Maximum payload | m. ton (U.S. ton) | 36.5 (40.0) | 36.5 (40) | |
| Heaped capacity (2:1) | $m^3$ ($yd^3$) | 22.3 (29.2) | 22.3 (29.2) | |
| PERFORMANCE: | | | | |
| Maximum speed | km/h (MPH) | 58.5 (36.4) | 58.6 (36.4) | |
| Turning radius | m (ft.in) | 8.7 (28'7") | 8.7 (28'7") | |
| ENGINE: | | KOMATSU | KOMATSU | |
| Model | | SAA6D140E-5 | SAA6D140E-3 | |
| No. of cylinders- | | | | |
| bore × stroke | mm (in) | 6-140 × 165 (5.51 × 6.50) | 6-140 × 165 (5.51 × 6.50) | |
| Displacement | ltr. ($in^3$) | 15.24 (930) | 15.24 (930) | |
| DIMENSION: | | See DIMENSIONS | | |
| TIRES: | | | | |
| Front tire | | 29.5 R25 × 2 | 29.5 R25 × 2 | |
| Center tire | | 29.5 R25 × 2 | 29.5 R25 × 2 | |
| Rear tire | | 29.5 R25 × 2 | 29.5 R25 × 2 | |
| CAPACITY:Fuel tank | ltr. (U.S. Gal) | 493 (130.3) | 495 (130.8) | |

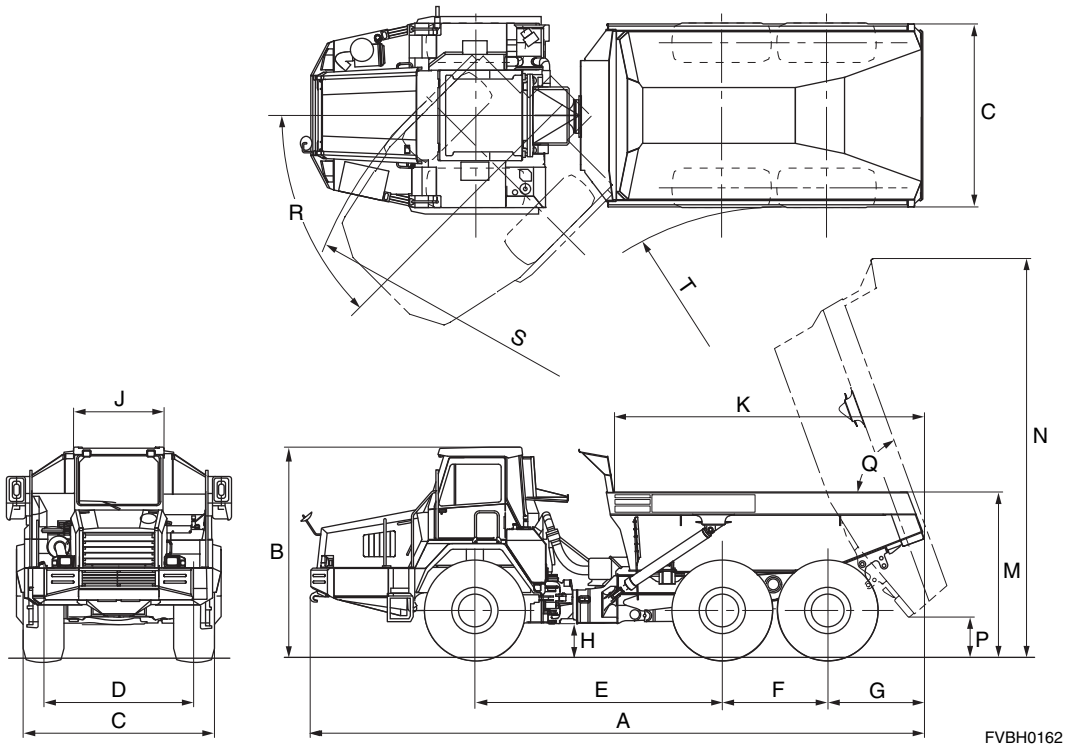
* Weight includes lubricants, coolant, full fuel tank and standard body.
• EPA Tier 3 and EU Stage 3A model
○ EPA Tier 4 Interim and EU Stage 3B model



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Unit: mm (ft.in)

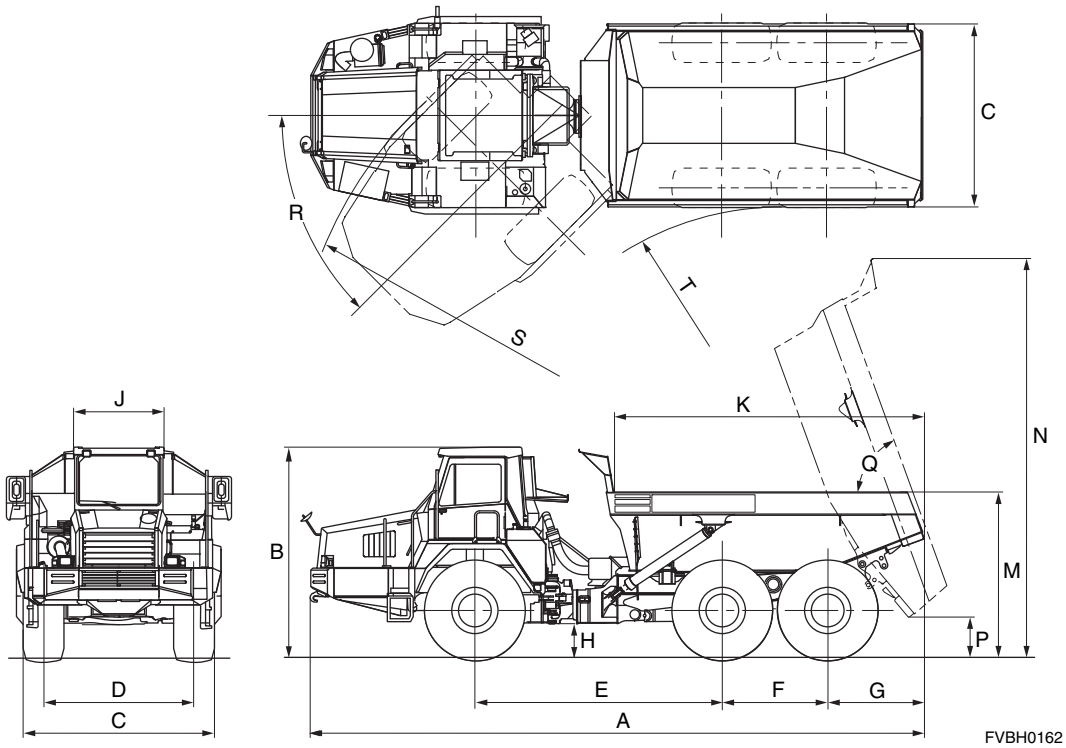
| | HM300-3 | HM300-2<br>HM300-2R | HM300-1 | HM350-2<br>HM350-2R | HM350-1 | HM400-3 |
|---|---|---|---|---|---|---|
| Tires | 23.5 R25 | 23.5-R25 | 23.5 R25 | 26.5R25 | 26.5 R25 | 29.5-R25 |
| A | 10275 (33'9") | 10440 (34'3") | 10095 (33'1") | 11145 (36'7") | 10730 (35'2") | 11105 (36'5") |
| B | 3510 (11'6") | 3520 (11'7") | 3500 (11'6") | 3700 (12'1") | 3595 (11'10") | 3735 (12'3") |
| C | 2900 (9'6") | 2900 (9'6") | 2900 (9'6") | 3250 (10'8") | 3250 (10'8") | 3450 (11'4") |
| D | 2280 (7'6") | 2280 (7'6") | 2280 (7'6") | 2590 (8'6") | 2590 (8'6") | 2690 (8'10") |
| E | 4100 (13'6") | 4100 (13'5") | 4100 (13'5") | 4350 (14'3") | 4350 (14'3") | 4350 (14'3") |
| F | 1710 (5'7") | 1710 (5'7") | 1710 (5'7") | 1850 (6'1") | 1850 (6'1") | 1970 (6'6") |
| G | 1700 (5'7") | 1695 (5'7") | 1695 (5'7") | 1775 (5'10") | 1645 (5'5") | 1800 (5'11") |
| H | 575 (1'11") | 510 (1'8") | 510 (1'8") | 585 (1'11") | 585 (1'11") | 710 (2'4") |
| J | 1665 (5'6") | 1600 (5'3") | 1600 (5'3") | 1600 (5'3") | 1600 (5'3") | 1675 (5'6") |
| K | 5250 (17'3") | 5240 (17'2") | 5240 (17'2") | 5495 (18'0") | 5510 (18'1") | 5667 (18'7") |
| M | 2830 (9'3") | 2790 (9'2") | 2790 (9'2") | 2975 (9'9") | 2840 (9'4") | 3164 (10'5") |
| N | 6440 (21'2") | 6340 (21'1") | 6445 (21'2") | 7035 (23'1") | 7035 (23'1") | 7171 (23'6") |
| P | 572 (1'11") | 600 (2'0") | 605 (2'0") | 720 (2'4") | 720 (2'4") | 808 (2'8") |
| Q (deg.) | 70° | 70° | 70° | 70° | 70° | 70° |
| R (deg.) | 45° | 45° | 45° | 45° | 45° | 45° |
| S | 8100 (26'7") | 7960 (26'1") | 7960 (26'1") | 8600 (28'3") | 8400 (27'7") | 8800 (28'10") |
| T | 4000 (13'1") | 4010 (13'2) | 4010 (13'2") | 4200 (13'9") | 4060 (13'4") | 4170 (13'8") |



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Unit: mm (ft.in)

| | HM400-2<br>HM400-2R | HM400-1 | | | | |
|---|---|---|---|---|---|---|
| Tires | 29.5 R25 | 29.5 R25 | | | | |
| A | 11310 (37'1") | 11025 (36'2") | | | | |
| B | 3720 (12'2") | 3700 (12'2") | | | | |
| C | 3450 (11'4") | 3450 (11'4") | | | | |
| D | 2690 (8'10") | 2690 (8'10") | | | | |
| E | 4350 (14'3") | 4350 (14'3") | | | | |
| F | 1970 (6'6") | 1970 (6'6") | | | | |
| G | 1820 (6'0") | 1820 (6'0") | | | | |
| H | 605 (2'0") | 620 (2'0") | | | | |
| J | 1600 (5'3") | 1600 (5'3") | | | | |
| K | 5630 (18'6") | 5640 (18'6") | | | | |
| M | 2970 (9'9") | 2970 (9'9") | | | | |
| N | 7130 (23'5") | 7130 (23'5") | | | | |
| P | 720 (2'4") | 720 (2'4") | | | | |
| Q (deg.) | 70° | 70° | | | | |
| R (deg.) | 45° | 45° | | | | |
| S | 8700 (28'7") | 8700 (28'7") | | | | |
| T | 4170 (13'8") | 4170 (13'8") | | | | |



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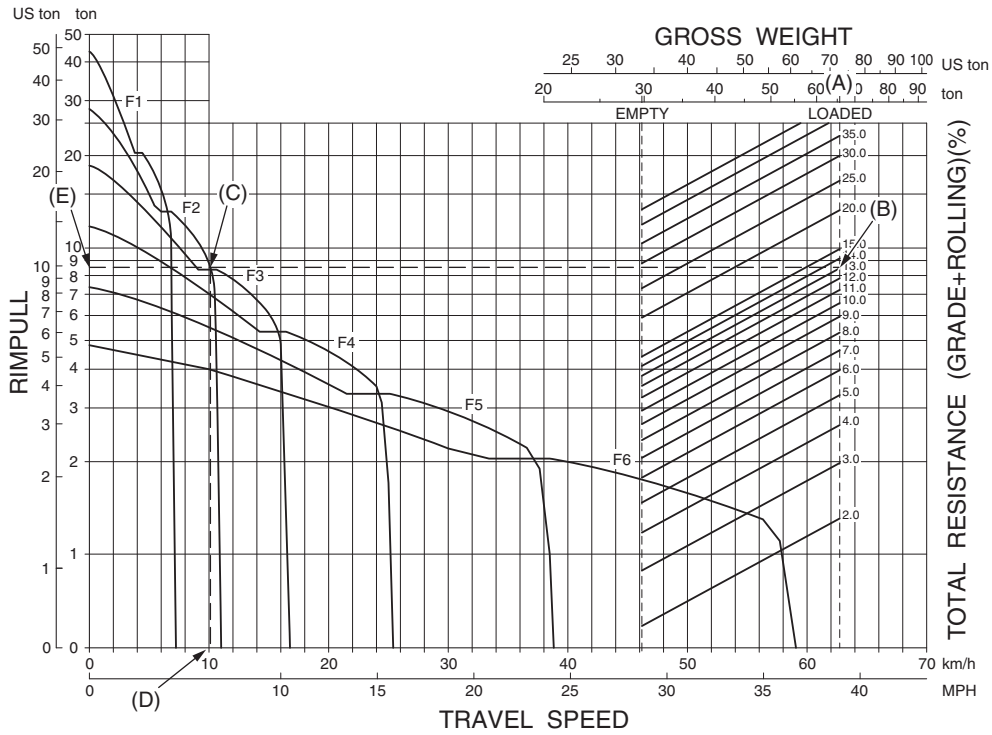
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## Use of travel performance curve

For assessing a vehicle's grade-ability, travel speed, rim pull, etc. First, draw a vertical line according to the vehicle's weight (A) and mark the point (B) corresponding to total resistance (the sum of rolling resistance and grade resistance). Next, draw a horizontal line from (B), then mark (C) where the line intersects the rim pull curve and read (E) for the rim pull. For travel speed (D), draw a vertical line downward from (C).

For instance, when traveling an 8% gradient and encountering a 5% rolling resistance, a vehicle with a 36.5 ton (40-U.S. ton) payload should have a rim pull of 8.5 tons (18,740 lb) and travel at a speed of 10 km/h (6.2 MPH) in forward 2nd gear.





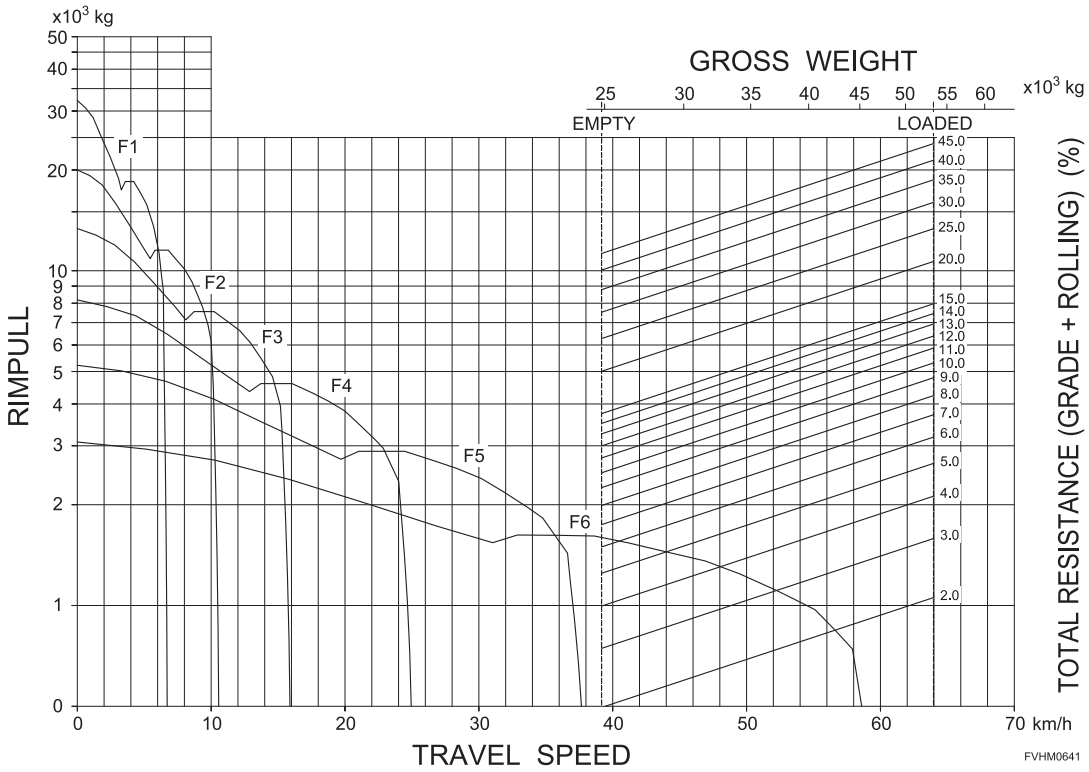

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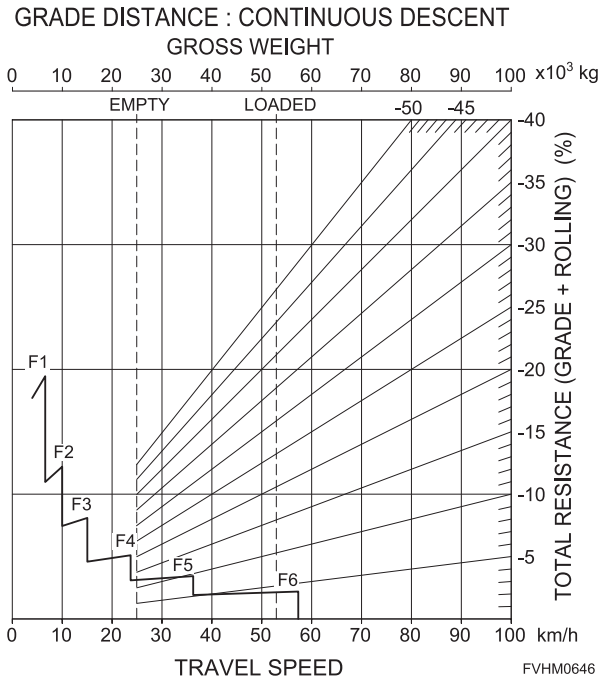


## Travel Performance Curve

### Power mode




### Brake Performance



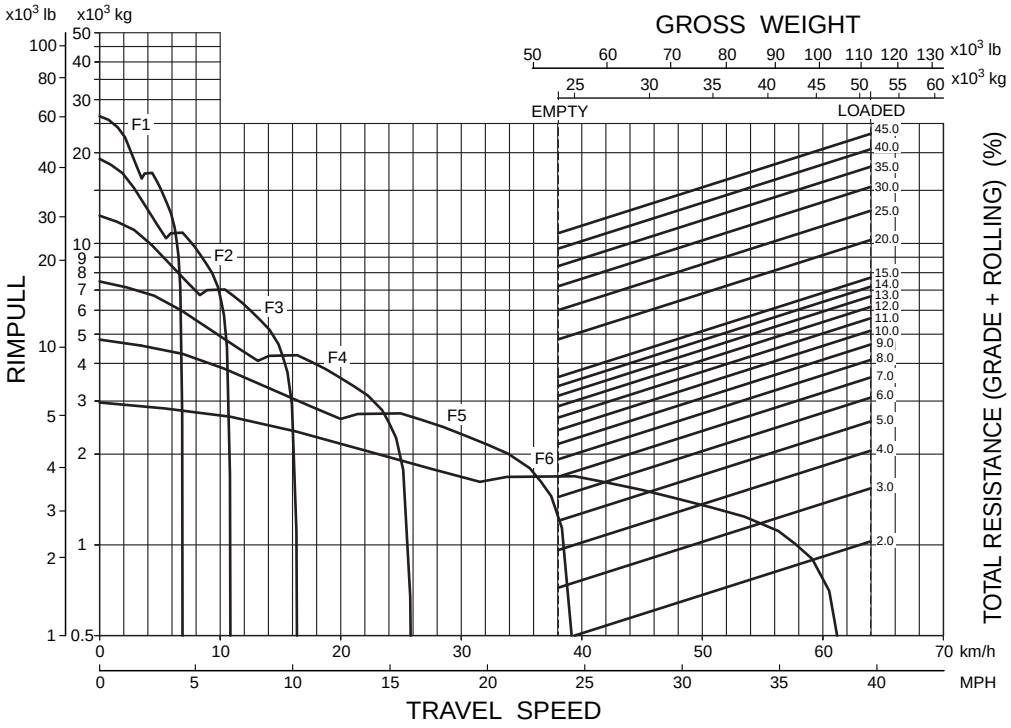



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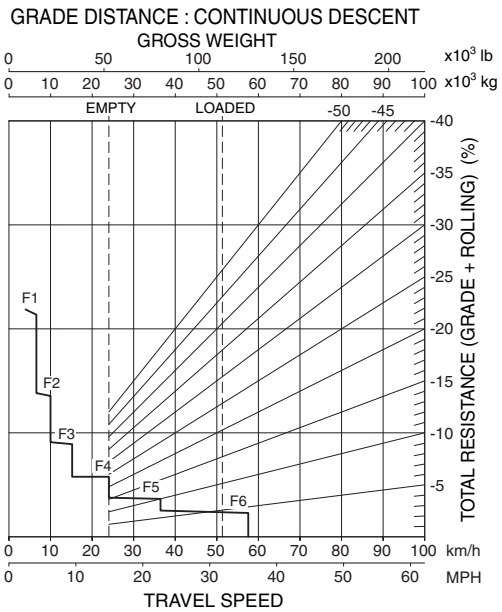
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## Travel Performance Curve




## Brake performance



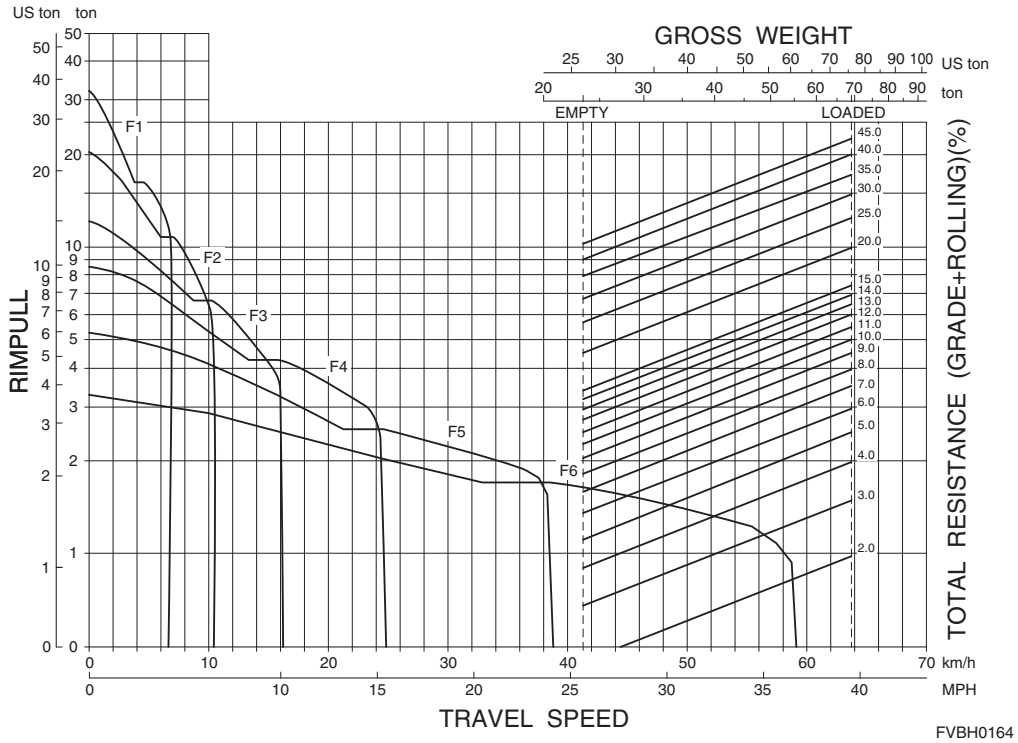



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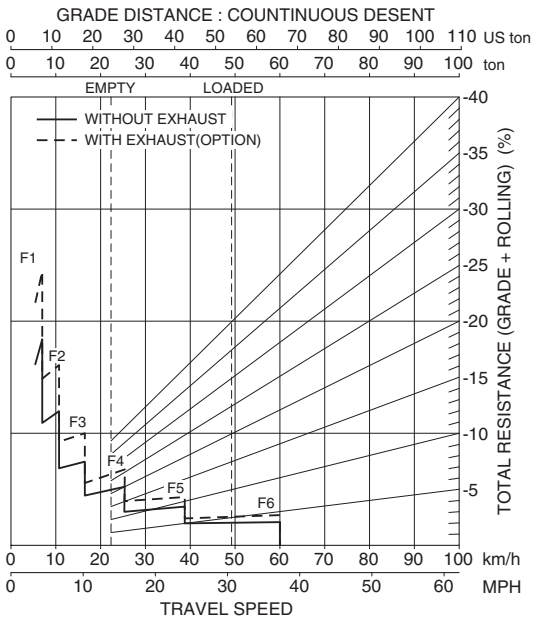


## Travel Performance Curve




FVBH0164

## Brake performance




FVBH0165

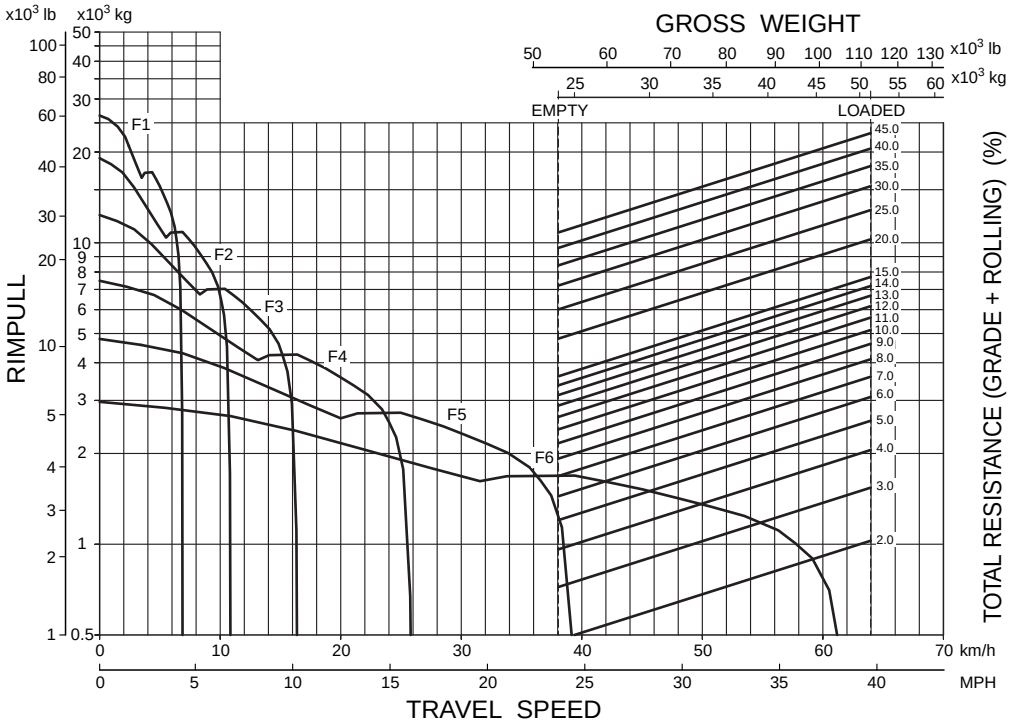


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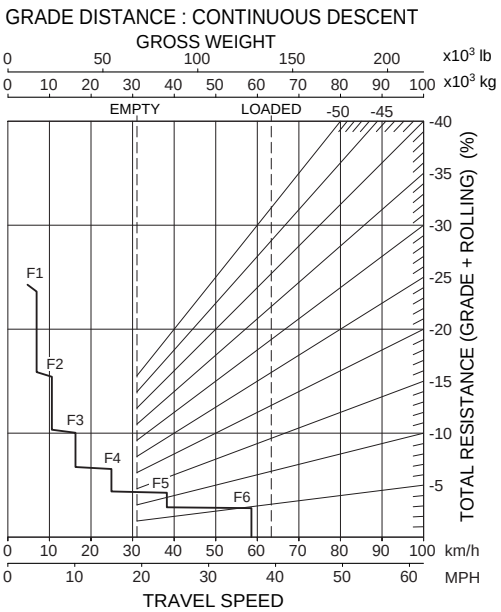
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## Travel Performance Curve




## Brake performance



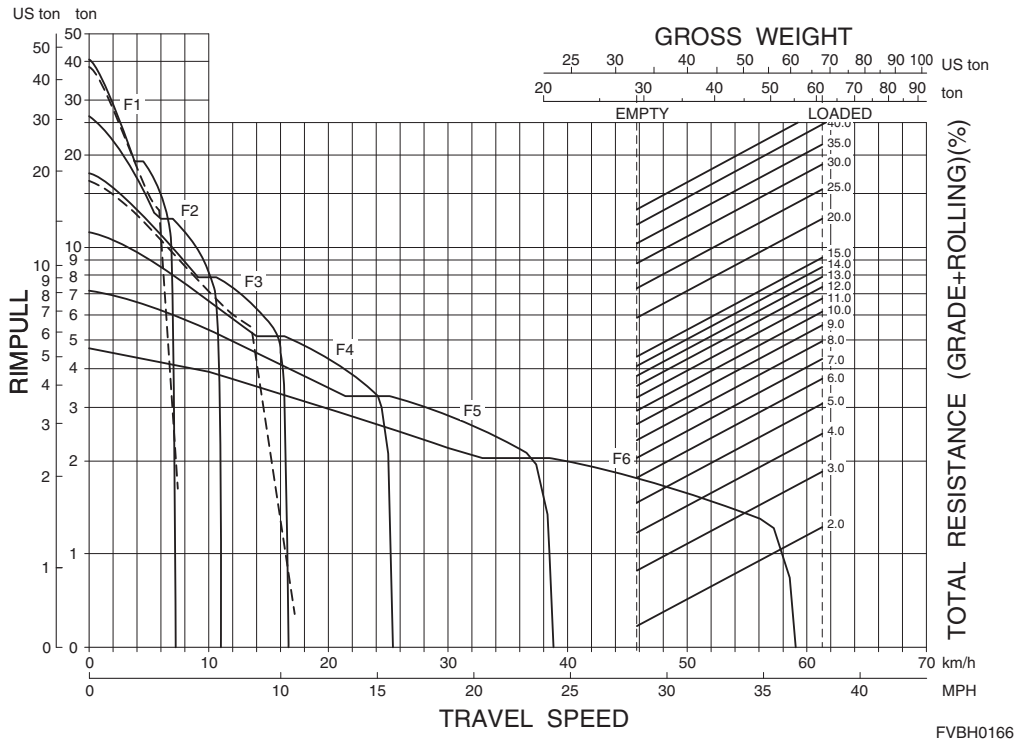



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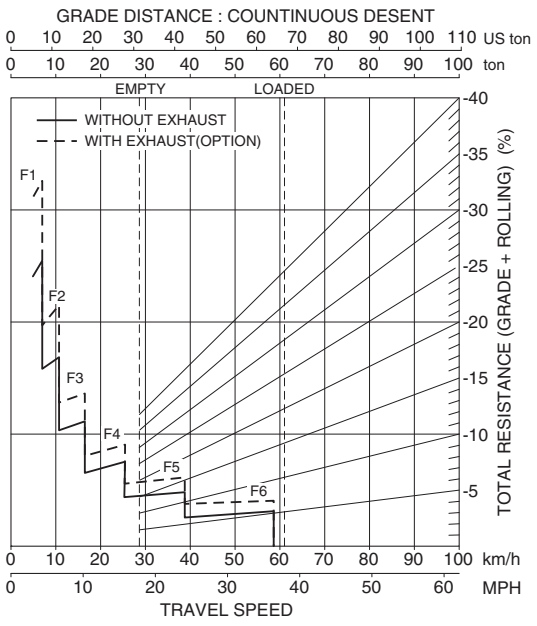


## Travel Performance Curve




FVBH0166

## Brake performance




FVBH0167



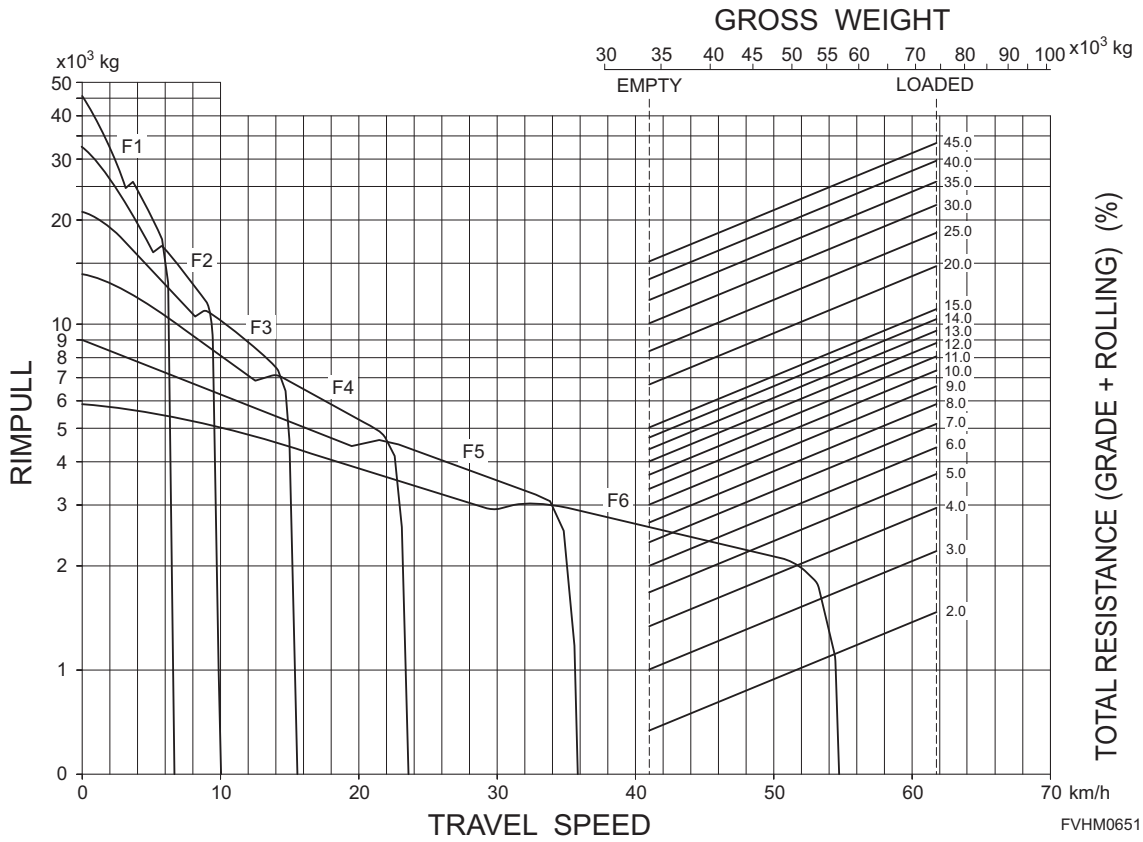
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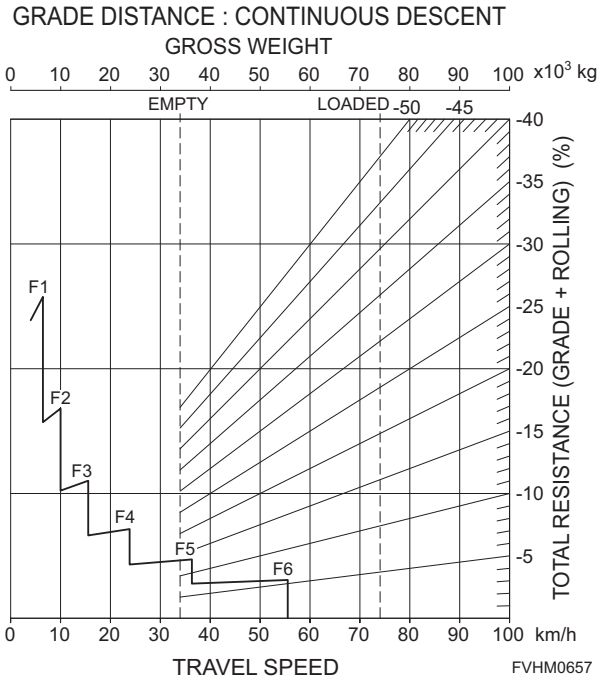


## Travel Performance Curve

### Power mode




### Brake Performance



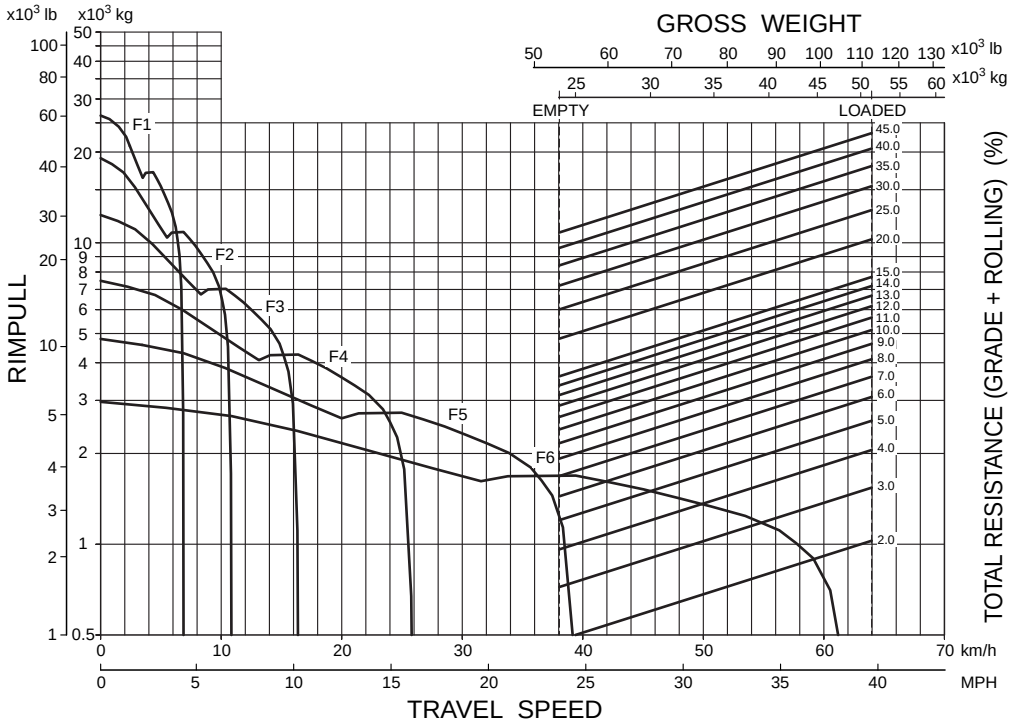



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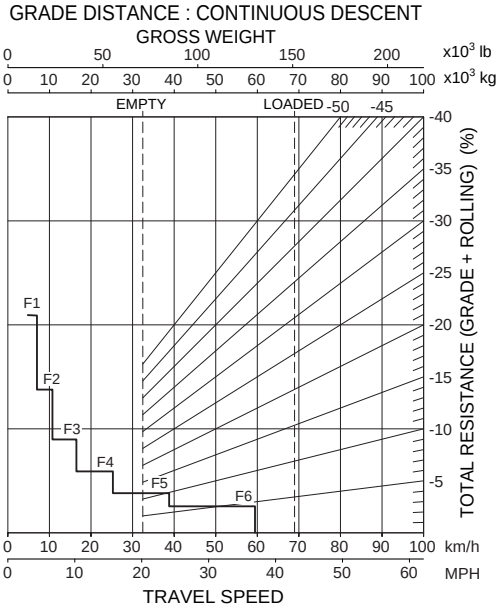
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## Travel Performance Curve




## Brake performance



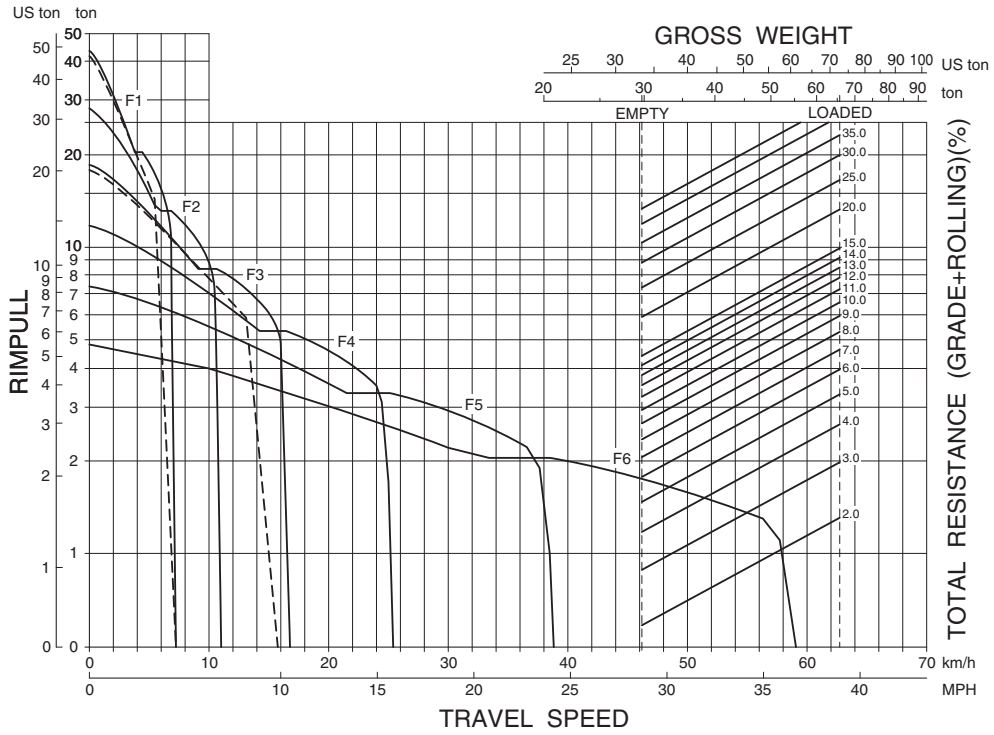



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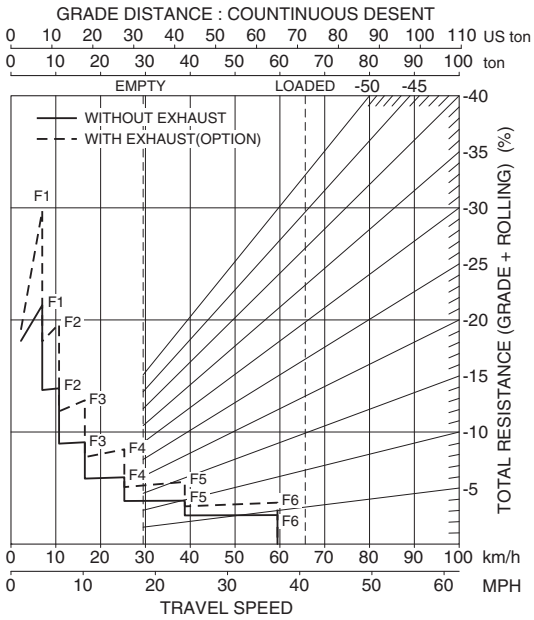
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## Travel Performance Curve




## Brake performance




FVBH0169



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| Model | | | HM300-2, HM300-2R | HM300-3 |
|---|---|---|---|---|
| Tire | | | 750/65R25 | 750/65R25 |
| WEIGHT: | | kg (lb) | | |
| Empty vehicle weight* | | | 24620 (54,280) | 24910 (54,920) |
| Distribution | (front) | | 13650 (30,090) | 14200 (31,310) |
| | (center) | | 5850 (12,900) | 5730 (12,630) |
| | (rear) | | 5120 (11,290) | 4980 (10,980) |
| Gross vehicle weight | | | 52000 (114,640) | 52990 (116,820) |
| Distribution | (front) | | 15850 (34,940) | 15370 (33,880) |
| | (center) | | 18440 (40,650) | 19340 (42,640) |
| | (rear) | | 17710 (39040) | 18280 (40,300) |
| GROUND CONTACT AREA: | | $cm^2$ ($in^2$) | | |
| Empty: | Front tire | | 2370 (367.4) | 2412 (373.9) |
| | Center tire | | 1060 (164.3) | 1055 (163.5) |
| | Rear tire | | 960 (148.8) | 934 (144.8) |
| Loaded: | Front tire | | 2640 (409.2) | 2636 (408.6) |
| | Center tire | | 2660 (412.3) | 2664 (412.9) |
| | Rear tire | | 2640 (409.3) | 2657 (411.8) |
| GROUND PRESSURE: | | $kg/cm^2$ (PSI/kPa) | | |
| Empty: | Front tire | | 2.88 (41.0/282) | 2.94 (41.8/288) |
| | Center tire | | 2.76 (39.2/271) | 2.72 (38.7/267) |
| | Rear tire | | 2.67 (38.0/262) | 2.66 (37.8/261) |
| Loaded: | Front tire | | 3.00 (42.7/294) | 2.92 (41.5/286) |
| | Center tire | | 3.47 (49.3/340) | 3.63 (51.6/356) |
| | Rear tire | | 3.35 (47.6/329) | 3.44 (48.9/337) |

| Model | | | HM300-1 | |
|---|---|---|---|---|
| Tire | | | 23.5R25 | 750/65R25 |
| WEIGHT: | | kg (lb) | | |
| Empty vehicle weight* | | | 22500 (49,600) | 23545 (51,910) |
| Distribution | (front) | | 12770 (28,150) | 13125 (28,940) |
| | (center) | | 5000 (11,020) | 5345 (11,780) |
| | (rear) | | 4730 (10,430) | 5075 (11,190) |
| Gross vehicle weight | | | 49875 (109,950) | 50920 (112,260) |
| Distribution | (front) | | 14860 (10,710) | 15220 (33,550) |
| | (center) | | 17805 (39,250) | 18125 (39,960) |
| | (rear) | | 17210 (37,940) | 17575 (38,750) |
| GROUND CONTACT AREA: | | $cm^2$ ($in^2$) | | |
| Empty: | Front tire | | 1750 (271.3) | 2150 (333.3) |
| | Center tire | | 845 (131.0) | 970 (150.4) |
| | Rear tire | | 800 (124.0) | 950 (147.3) |
| Loaded: | Front tire | | 1960 (303.8) | 2380 (368.9) |
| | Center tire | | 2230 (345.7) | 2575 (399.1) |
| | Rear tire | | 2160 (334.8) | 2510 (389.1) |
| GROUND PRESSURE: | | $kg/cm^2$ (PSI/kPa) | | |
| Empty: | Front tire | | 3.65 (51.9/357.9) | 3.05 (43.4/299.1) |
| | Center tire | | 2.96 (42.1/290.3) | 2.76 (39.2/270.7) |
| | Rear tire | | 2.96 (42.1/290.3) | 2.67 (38.0/261.8) |
| Loaded: | Front tire | | 3.79 (53.9/371.7) | 3.20 (45.5/313.8) |
| | Center tire | | 3.99 (56.7/391.3) | 3.52 (50.1/345.2) |
| | Rear tire | | 3.98 (56.6/390.3) | 3.50 (49.8/343.2) |

* Weight includes lubricants, coolant, full fuel tank and standard body.



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| Model | | HM350-2, HM350-2R | |
|---|---|---|---|
| **Tire** | | **26.5R25** | |
| WEIGHT: | kg (lb) | | |
| Empty vehicle weight* | | 31200 (68,780) | |
| Distribution (front) | | 17920 (39,510) | |
| (center) | | 6730 (14,840) | |
| (rear) | | 6550 (14,440) | |
| Gross vehicle weight | | 63580 (140,170) | |
| Distribution (front) | | 20280 (44,710) | |
| (center) | | 21740 (47,930) | |
| (rear) | | 21560 (47,530) | |
| GROUND CONTACT AREA: | $cm^2$ ($in^2$) | | |
| Empty: Front tire | | 2370 (367.4) | |
| Center tire | | 1075 (166.6) | |
| Rear tire | | 1030 (159.7) | |
| Loaded: Front tire | | 2560 (396.8) | |
| Center tire | | 2620 (406.1) | |
| Rear tire | | 2580 (399.9) | |
| GROUND PRESSURE: | $kg/cm^2$ (PSI/kPa) | | |
| Empty: Front tire | | 3.78 (53.8/371) | |
| Center tire | | 3.13 (44.5/307) | |
| Rear tire | | 3.18 (45.2/312) | |
| Loaded: Front tire | | 3.96 (56.3/388) | |
| Center tire | | 4.15 (59.0/407) | |
| Rear tire | | 4.18 (59.4/410) | |

| Model | | HM350-1 | |
|---|---|---|---|
| **Tire** | | **26.5R25** | **800/65R29** |
| WEIGHT: | kg (lb) | | |
| Empty vehicle weight* | | 28550 (62,940) | 30034 (66,210) |
| Distribution (front) | | 15850 (34,920) | 16378 (36,110) |
| (center) | | 6350 (14,000) | 6828 (15,050) |
| (rear) | | 6350 (14,000) | 6828 (15,050) |
| Gross vehicle weight | | 60925 (134,320) | 62409 (137,590) |
| Distribution (front) | | 18545 (40,880) | 18973 (41,830) |
| (center) | | 21190 (46,720) | 21718 (47,880) |
| (rear) | | 21190 (46,720) | 21718 (47,880) |
| GROUND CONTACT AREA: | $cm^2$ ($in^2$) | | |
| Empty: Front tire | | 2400 (372.0) | 2662 (412.6) |
| Center tire | | 1160 (179.8) | 1707 (264.6) |
| Rear tire | | 1160 (179.8) | 1707 (264.6) |
| Loaded: Front tire | | 2700 (418.5) | 2932 (454.5) |
| Center tire | | 2650 (410.8) | 3170 (491.4) |
| Rear tire | | 2650 (410.8) | 3170 (491.4) |
| GROUND PRESSURE: | $kg/cm^2$ (PSI/kPa) | | |
| Empty: Front tire | | 3.30 (46.9/323.6) | 3.08 (43.8/302.0) |
| Center tire | | 2.74 (39.0/268.7) | 2.00 (28.4/196.1) |
| Rear tire | | 2.74 (39.0/268.7) | 2.00 (28.4/196.1) |
| Loaded: Front tire | | 3.43 (48.8/336.4) | 3.24 (46.1/317.8) |
| Center tire | | 4.00 (56.9/392.3) | 3.43 (48.8/336.4) |
| Rear tire | | 4.00 (56.9/392.3) | 3.43 (48.8/336.4) |

* Weight includes lubricants, coolant, full fuel tank and standard body.



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| Model | | | HM400-2, HM400-2R | HM400-3 |
|---|---|---|---|---|
| Tire | | | 29.5R25 | 29.5R25 |
| WEIGHT: | | kg (lb) | | |
| Empty vehicle weight* | | | 32590 (71,850) | 33660 (34,210) |
| Distribution | (front) | | 17960 (39,595) | 18980 (41,840) |
| | (center) | | 7440 (16,400) | 7570 (16,690) |
| | (rear) | | 7190 (15,850) | 7110 (15,670) |
| Gross vehicle weight | | | 69170 (152,490) | 73740 (162,570) |
| Distribution | (front) | | 20080 (44,270) | 21680 (47,800) |
| | (center) | | 24670 (54,390) | 26100 (57,540) |
| | (rear) | | 24420 (53,840) | 25980 (57,280) |
| GROUND CONTACT AREA: | | $cm^2$ ($in^2$) | | |
| Empty: | Front tire | | 3093 (479.4) | 3123 (484.1) |
| | Center tire | | 1360 (210.8) | 1416 (219.5) |
| | Rear tire | | 1330 (206.2) | 1347 (208.8) |
| Loaded: | Front tire | | 3360 (520.8) | 3527 (546.7) |
| | Center tire | | 3940 (610.7) | 4188 (649.1) |
| | Rear tire | | 3840 (595.2) | 4167 (645.9) |
| GROUND PRESSURE: | | $kg/cm^2$ (PSI/kPa) | | |
| Empty: | Front tire | | 2.90 (41.2/284) | 3.04 (43.2/298) |
| | Center tire | | 2.74 (39.0/269) | 2.67 (38.0/262) |
| | Rear tire | | 2.70 (38.4/265) | 2.64 (37.5/259) |
| Loaded: | Front tire | | 2.99 (42.5/293) | 3.07 (43.7/301) |
| | Center tire | | 3.13 (44.5/307) | 3.12 (44.4/306) |
| | Rear tire | | 3.18 (45.2/312) | 3.11 (44.2/305) |

| Model | | | HM400-1 | |
|---|---|---|---|---|
| Tire | | | 29.5R25 | 875/65R29 |
| WEIGHT: | | kg (lb) | | |
| Empty vehicle weight* | | | 30300 (66,800) | 31260 (68,920) |
| Distribution | (front) | | 16790 (37,020) | 17110 (37,720) |
| | (center) | | 6755 (14,890) | 7075 (15,600) |
| | (rear) | | 6755 (14,890) | 7075 (15,600) |
| Gross vehicle weight | | | 66875 (147,430) | 67835 (149,550) |
| Distribution | (front) | | 19055 (42,010) | 19375 (42,710) |
| | (center) | | 23910 (51,120) | 24230 (53,420) |
| | (rear) | | 23910 (51,120) | 24230 (53,420) |
| GROUND CONTACT AREA: | | $cm^2$ ($in^2$) | | |
| Empty: | Front tire | | 2570 (398.4) | 3350 (519.3) |
| | Center tire | | 1170 (181.4) | 2050 (317.8) |
| | Rear tire | | 1170 (181.4) | 2050 (317.8) |
| Loaded: | Front tire | | 2900 (449.5) | 3660 (567.3) |
| | Center tire | | 3300 (511.5) | 3980 (616.9) |
| | Rear tire | | 3300 (511.5) | 3980 (616.9) |
| GROUND PRESSURE: | | $kg/cm^2$ (PSI/kPa) | | |
| Empty: | Front tire | | 3.27 (46.5/320.7) | 2.55 (36.3/250.1) |
| | Center tire | | 2.89 (41.1/283.4) | 1.73 (24.6/169.7) |
| | Rear tire | | 2.89 (41.1/283.4) | 1.73 (24.6/169.7) |
| Loaded: | Front tire | | 3.29 (46.8/322.6) | 2.65 (37.7/259.9) |
| | Center tire | | 3.62 (51.5/355.0) | 3.04 (43.2/298.1) |
| | Rear tire | | 3.62 (51.5/355.0) | 3.04 (43.2/298.1) |

* Weight includes lubricants, coolant, full fuel tank and standard body.



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## TIRE SELECTION GUIDE FOR ARTICULATED DUMP TRUCKS

**HM300-1, HM300-2, HM300-2R, HM300-3**

| Tire size | Manu-facturer* | Pattern | Charac-teristics | Code | Star Rating | Inflation pressure | Applicable terrain | Feature |
|---|---|---|---|---|---|---|---|---|
| 23.5 R25 | BS | VKT | CR | E2 | ☆☆ | 4.5 | Soft and muddy surfaces | Good traction and floatation |
| 23.5 R25 | BS | VLT | CR | E2 | ☆☆ | 4.5 | Wet, soft and muddy surface | Rubber volume of tread ratio (VKT:1, VLT:1.25) Exellent maneuverability, traction and floatation |
| 23.5 R25 | GY | RL-2+ | | E2 | ☆☆ | 4.5 | | |
| 23.5 R25 | GY | GP-2B | | E2 | ☆☆ | 4.5 | | Smoother ride and good traction |
| 23.5 R25 | MC | XADN | | E2 | | 4.5 | | |
| 23.5 R25 | TY | T-331 | CR | E3 | ☆☆ | 4.5 | Soft surface and hard soil field | High wear-resistance, cut and tip-resistance |
| 750/65 R25 | BS | VLT | CR | E2 | ☆☆ | F:3.5 C,R:4.1 | Wet, soft and muddy surface | Good traction and floatation |
| 750/65 R25 | GY | RL-2+ | | E2 | ☆☆ | F:3.5 C,R:4.1 | | |
| 750/65 R25 | MC | XAD65-1 | | E3 | | F:3.5 C,R:4.1 | | |

**HM300-1 tire ground pressures**

| | Tire maker, type | | BS, VLT | BS, VLT, wide | | |
|---|---|---|---|---|---|---|
| | Tire size | — | 23.5R25 | 750/G5R25 | | |
| Empty | Front tire | kg/cm² (PSI) | 3.65 (51.9) | 3.05 (43.4) | | |
| | Center tire | kg/cm² (PSI) | 2.96 (42.1) | 2.76 (39.2) | | |
| | Rear tire | kg/cm² (PSI) | 2.96 (42.1) | 2.67 (38.0) | | |
| Loaded | Front tire | kg/cm² (PSI) | 3.79 (53.9) | 3.20 (45.5) | | |
| | Center tire | kg/cm² (PSI) | 3.99 (56.7) | 3.52 (50.1) | | |
| | Rear tire | kg/cm² (PSI) | 3.99 (56.7) | 3.50 (49.8) | | |

**HM350-1, HM350-2, HM350-2R**

| Tire size | Manu-facturer* | Pattern | Charac-teristics | Code | Star Rating | Inflation pressure | Applicable terrain | Feature |
|---|---|---|---|---|---|---|---|---|
| 26.5 R25 | BS | VKT | CR | E2 | ☆☆ | 4.5 | Soft and muddy surfaces | Good traction and floatation |
| 26.5 R25 | BS | VLT | CR | E2 | ☆☆ | 4.5 | Soft and muddy surfaces | Rubber volume of tread ratio (VKT:1, VLT:1.25) Exellent maneuverability, traction and floatation |
| 26.5 R25 | BS | VLTS | CR | E4 | ☆☆ | 4.5 | Soft and muddy surfaces | High wear-resistance, cut-resistance because of deep tread (STD:1, VLTS:1.5) |
| 26.5 R25 | GY | RL-2+ | | E2 | ☆☆ | 4.5 | | |
| 26.5 R25 | GY | GP-2B | | E2 | ☆☆ | | | |
| 26.5 R25 | GY | TL-3A+ | | E3 | ☆☆ | | | |
| 26.5 R25 | GY | GP-4B AT | | E4 | ☆☆ | | | |
| 26.5 R25 | MC | XADN E3T | | E3 | | | | |
| 26.5 R25 | MC | XADT E4T | | E4 | | 4.5 | | |
| 26.5 R25 | MC | XADN E3V | | E3 | | 4.5 | | |
| 26.5 R25 | TY | T-351 | | E3 | ☆☆ | | Soft surface and under ground | Good traction, anti-sideways slip and cut-resistance |
| 800/65 R29 | GY | GP-4D | | E4 | ☆☆ | 4.0 | | |

**HM350-1 tire ground pressures**

| | Tire maker, type | | BS, VLT | BS, VLT, wide | | |
|---|---|---|---|---|---|---|
| | Tire size | — | 26.5 R25 | 800/65 R29 | | |
| Empty | Front tire | kg/cm² (PSI) | 3.35 (33.4) | 3.08 (43.8) | | |
| | Center tire | kg/cm² (PSI) | 2.82 (40.1) | 2.00 (28.4) | | |
| | Rear tire | kg/cm² (PSI) | 2.82 (40.1) | 2.00 (28.4) | | |
| Loaded | Front tire | kg/cm² (PSI) | 3.46 (49.2) | 3.24 (46.1) | | |
| | Center tire | kg/cm² (PSI) | 4.04 (57.4) | 3.43 (48.8) | | |
| | Rear tire | kg/cm² (PSI) | 4.04 (57.4) | 3.43 (48.8) | | |

* Tire maker.....BS:BRIDGESTONE GY:GOODYEAR MC:MICHELIN TY:TOYO



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**HM400-1, HM400-2, HM400-2R, HM400-3**

| Tire size | Manu-facturer* | Pattern | Charac-teristics | Code | Star Rating | Inflation pressure | Applicable terrain | Feature |
|---|---|---|---|---|---|---|---|---|
| 29.5 R25 | BS | VLTS | CR | E4 | ☆☆ | | Soft and muddy surfaces | High wear-resistance, cut-resistance |
| 29.5 R25 | BS | VKT | CR | E2 | ☆☆ | 3.8 | Soft and muddy surfaces | Good traction and floatation |
| 29.5 R25 | BS | VLT | | E2 | ☆☆ | 3.8 | Soft and muddy surfaces | Good traction and floatation |
| 29.5 R25 | BS | VKT | | E2 | ☆☆ | 3.8 | Soft and muddy surfaces | Good traction and floatation |
| 29.5 R25 | GY | RL-2+ | | E2 | ☆☆ | 4.1 | | |
| 29.5 R25 | GY | GP-2B | | E2 | ☆☆ | | | |
| 29.5 R25 | GY | GP-4B AT | | E4 | ☆☆ | | | |
| 29.5 R25 | MC | XADN E3T | | E3 | | | | |
| 29.5 R25 | MC | XADN E3V | | E3 | | | | |
| 29.5 R25 | MC | XADT E4T | | E4 | | 4.0 | | |
| 29.5 R25 | TY | T-351 | | E3 | ☆☆ | | Soft surface and under ground | Good traction, anti-sideways slip and cut-resistance |
| 875/65 R29 | GY | GP-4D | | E4 | ☆☆ | 4.5 | | |
| 875/65 R29 | MC | XAD65-1 | | E3 | | 4.5 | | |

**HM400-1 tire ground pressures**

| | Tire maker, type | | BS, VLT | BS, VLT, wide | | |
|---|---|---|---|---|---|---|
| | Tire size | — | 29.5 R25 | 875/65 R29 | | |
| Empty | Front tire | kg/cm$^2$ (PSI) | 3.27 (46.5) | 2.56 (36.4) | | |
| | Center tire | kg/cm$^2$ (PSI) | 2.89 (41.1) | 1.73 (24.6) | | |
| | Rear tire | kg/cm$^2$ (PSI) | 2.89 (41.1) | 1.73 (24.6) | | |
| Loaded | Front tire | kg/cm$^2$ (PSI) | 3.37 (47.9) | 2.71 (38.5) | | |
| | Center tire | kg/cm$^2$ (PSI) | 3.62 (51.5) | 3.04 (43.2) | | |
| | Rear tire | kg/cm$^2$ (PSI) | 3.62 (51.5) | 3.04 (43.2) | | |

* Tire maker.....BS:BRIDGESTONE GY:GOODYEAR MC:MICHELIN TY:TOYO



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TIRE PATTERN

BRIDGESTONE










GOODYEAR
















MICHELIN







TOYO







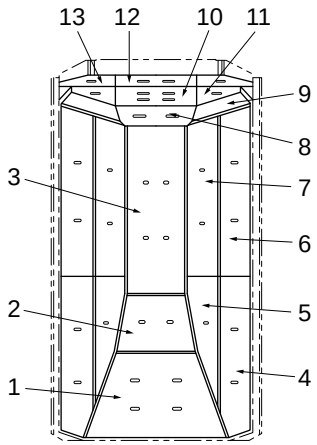


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## 1. Liner application




- Body top view -

FVBH0465

| No. | Part | Plate thickness mm (in) | | |
|---|---|---|---|---|
| | | HM300-1 | HM350-1 | HM400-1 |
| (1) | Bottom (end1) | 14 (0.55) | 16 (0.63) | 16 (0.63) |
| (2) | Bottom (end2) | 14 (0.55) | 16 (0.63) | 16 (0.63) |
| (3) | Bottom | 14 (0.55) | 16 (0.63) | 16 (0.63) |
| (4) | Side (top-end) | 12 (0.47) | 12 (0.47) | 12 (0.47) |
| (5) | Side (bottom-end) | 14 (0.55) | 16 (0.63) | 16 (0.63) |
| (6) | Side (top-middle) | 12 (0.47) | 12 (0.47) | 12 (0.47) |
| (7) | Side (bottom-middle) | 14 (0.55) | 16 (0.63) | 16 (0.63) |
| (8) | Corner (bottom) | 14 (0.55) | 16 (0.63) | 16 (0.63) |
| (9) | Corner (side) | 12 (0.47) | 12 (0.47) | 12 (0.47) |
| (10) | Front (center) | 12 (0.47) | 12 (0.47) | 12 (0.47) |
| (11) | Front (side) | 8 (0.31) | 8 (0.31) | 8 (0.31) |
| (12) | Canopy (center) | 8 (0.31) | 8 (0.31) | 8 (0.31) |
| (13) | Canopy (side) | 8 (0.31) | 8 (0.31) | 8 (0.31) |
| | Liner weight kg (lb) | 2440 (5380) | 2540 (5605) | 2675 (5900) |

| No. | Part | Plate thickness mm (in) | | | | |
|---|---|---|---|---|---|---|
| | | HM300-2 (R) | HM350-2 (R) | HM400-2 (R) | HM300-3 | HM400-3 |
| (1) | Bottom (end1) | 14 (0.55) | 16 (0.63) | 16 (0.63) | 14 (0.55) | 16 (0.63) |
| (2) | Bottom (end2) | 14 (0.55) | 16 (0.63) | | | |
| (3) | Bottom | 14 (0.55) | 16 (0.63) | 16 (0.63) | 14 (0.55) | 16 (0.63) |
| (4) | Side (top-end) | 12 (0.47) | 12 (0.47) | 12 (0.47) | 12 (0.47) | 12 (0.47) |
| (5) | Side (bottom-end) | 14 (0.55) | 16 (0.63) | 16 (0.63) | 14 (0.55) | 16 (0.63) |
| (6) | Side (top-middle) | 12 (0.47) | 12 (0.47) | 12 (0.47) | 12 (0.47) | 12 (0.47) |
| (7) | Side (bottom-middle) | 14 (0.55) | 16 (0.63) | 16 (0.63) | 14 (0.55) | 16 (0.63) |
| (8) | Corner (bottom) | 14 (0.55) | 16 (0.63) | 16 (0.63) | 14 (0.55) | 16 (0.63) |
| (9) | Corner (side) | 12 (0.47) | 12 (0.47) | 12 (0.47) | 12 (0.47) | 12 (0.47) |
| (10) | Front (center) | 12 (0.47) | 12 (0.47) | 12 (0.47) | 12 (0.47) | 12 (0.47) |
| (11) | Front (side) | 8 (0.31) | 9 (0.35) | 8 (0.31) | 8 (0.31) | 8 (0.31) |
| (12) | Canopy (center) | 8 (0.31) | 9 (0.35) | 8 (0.31) | 8 (0.31) | 8 (0.31) |
| (13) | Canopy (side) | 8 (0.31) | 9 (0.35) | 8 (0.31) | 8 (0.31) | 8 (0.31) |
| | Liner weight kg (lb) | 2440 (5380) | 2515 (5545) | 2710 (5975) | 2032 (4480) | 2710 (5975) |



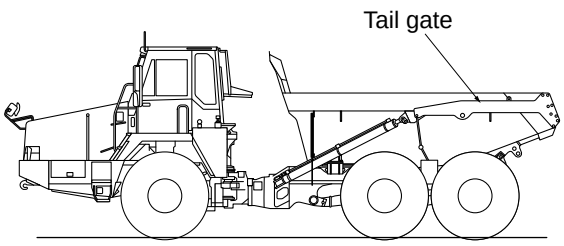
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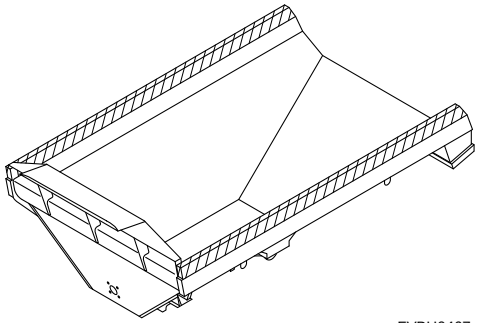
## 2. Body extension & tail gate

**Tail Gate**




FVBH0466

**Extention (+200 mm (7.9"))**



FVBH0467

Body capacity $m^3$ ($yd^3$)

| | | HM300-1 | HM350-1 | HM400-1 |
|---|---|---|---|---|
| Standard body | Heaped | 16.6 (21.7) | 19.8 (25.9) | 22.3 (29.2) |
| | Struck | 12.9 (16.9) | 14.6 (19.1) | 16.5 (21.6) |
| With 200 mm (7.9") extension | Heaped | 18.6 (24.3) | 22.2 (29.0) | 24.7 (32.3) |
| | Struck | 15.1 (19.7) | 17.6 (23.0) | 19.3 (25.2) |
| With tail gate | Heaped | 17.3 (22.6) | 20.5 (26.8) | 23.1 (30.2) |
| | Struck | 13.4 (17.5) | 15.0 (19.6) | 17.0 (22.2) |

| | | HM300-2 (R) | HM350-2 (R) | HM400-2 (R) |
|---|---|---|---|---|
| Standard body | Heaped | 16.6 (21.7) | 19.8 (25.9) | 22.3 (29.2) |
| | Struck | 12.9 (16.9) | 14.6 (19.1) | 16.5 (21.6) |
| With 200 mm (7.9") extension | Heaped | 18.6 (24.3) | 22.3 (29.2) | 24.7 (32.3) |
| | Struck | 15.1 (19.8) | 17.9 (23.4) | 19.3 (25.2) |
| With tail gate | Heaped | 17.3 (22.6) | 20.6 (26.9) | 23.1 (30.2) |
| | Struck | 13.4 (17.5) | 15.1 (19.8) | 17.0 (22.2) |

| | | HM300-3 | HM400-3 |
|---|---|---|---|
| Standard body | Heaped | 17.1 (22.4) | 24.0 (31.4) |
| | Struck | 13.4 (17.5) | 18.2 (23.8) |
| With 200 mm (7.9") extension | Heaped | 19.4 (25.4) | 26.7 (24.9) |
| | Struck | 15.8 (20.7) | 21.6 (28.2) |
| With tail gate | Heaped | 17.4 (22.8) | 24.4 (31.9) |
| | Struck | 13.7 (17.9) | 18.7 (24.5) |



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## MEMO



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SECTION 5

# MOTOR GRADERS

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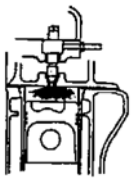
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## ■ Wide product range

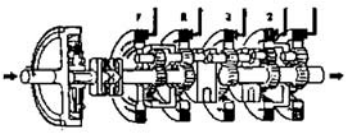
Komatsu offers you a complete choice in every category :

- Machine size and weight.
- Engine power
- Rigid or articulated frame
- Transmission : Direct drive or HYDROSHIFT
- Blade length



## ■ High productivity

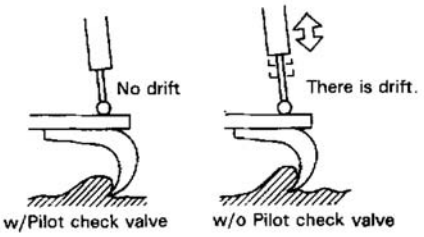
- Komatsu's diesel engine delivers a strong horsepower and has a direct-injection system for fuel savings and cleaner exhaust.
- The HYDROSHIFT transmission ensures not only efficient power transmitting ability for reduced fuel costs, but also a single-lever speed control and F/R directional changes for easy operation.



- **Hydraulic circuits with pilot checks valves**

  Pilot check valves are built into the blade lift, front axle lean and frame articulation circuits.

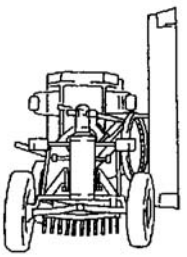
  This prevents drifting of these cylinders, and results in high finishing accuracy. These valves also help maintain the original equipment position and to prevent drift if the control lever is operated with the engine stopped.




- **Wide working range**

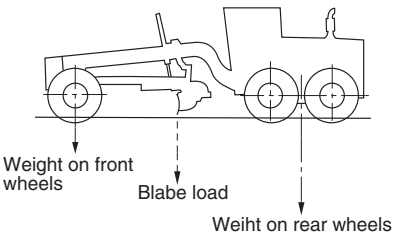
  Wide blade range, hydraulic blade side-shift, infinitely varied bank cut angle make machine ready for a real variety of operations.

  The blade bank-cutting position can be controlled up to 90° on either side from the operator's seat.



## ■ Ideal weight distribution

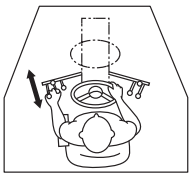
- Since the front wheels are loaded with the optimum weight distribution to prevent side slipping, outstanding operational stability is assured especially during operations that impose heavy side thrust on the machine.




## ■ Easy operation / operator comfort

- **Ergonomically arranged instrument and control levers**

  Short-stroke levers and reduced-effort controls assure responsive, finger-touch control. Ergonomic, human-engineered design includes logical arrangement of instruments and levers based on frequency of manipulation.



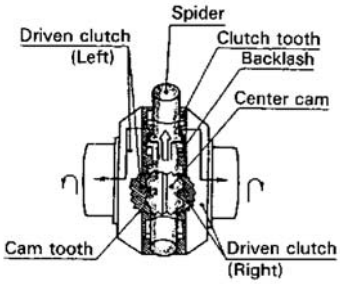
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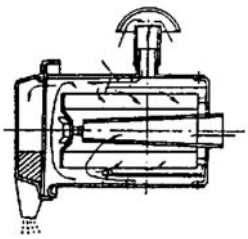
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## ■ Max. uptime

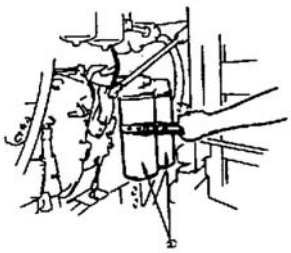
- **Non-spin differential**
  Non-spin differential with automatic locking and unlocking can be installed as an option on the final drives, assuring the optimum in smooth steering.




- **Air cleaner with automatic dust evacuator**
  Dry-type air cleaner with automatic dust evacuator for longer element service.

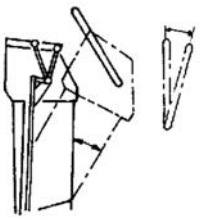


- **Spin-on type filters.**
  Spin-on type engine oil filters and fuel filters for easy element replacement.

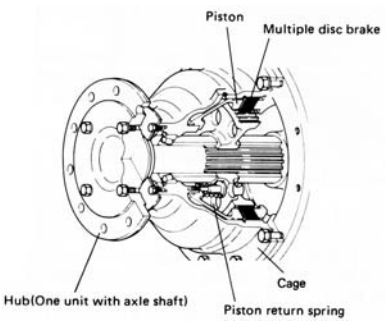


## ■ Additional features for GD825A

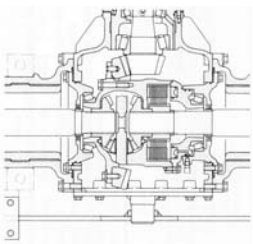
- **Tiltable steering post**
  Since the left and right control lever wings and steering post are each separate and independently adjustable, the operator can adjust them to the optimum angle for convenience. During travel, the steering column may be tilted toward the operator for easy steering control.



- **Fully adjustable operator seat**
  Fully adjustable suspension seat offers more comfortable ride.
- **Oil cooled multiple-disc brake**
  Powerful, adjustment free, oil-cooled multiple disc brakes are employed on all rear tandem wheels.
  Since brake discs are oil-lubricated in the tandem cases, high cooling efficiency is maintained to prevent heat build - up during frequent, heavy-duty braking action.




- **Lock / unlock differential gear**
  The differential is equipped with an electric-over-hydraulic multiple-disc clutch can actuate differential lock or unlock simply by turning the switch on the console.




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| Item | Model | GD511A-1 | •GD555-5 | GD555-3*** | •GD655-5 |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | 10800 (23,810) | 15135 (33,370) | 15740 (38,140) | 15495 (34,160) |
| HORSEPOWER: | | | | | |
| SAE J1995: Gross | kW (HP)/rpm | | 146 (196)/2000 | 125 (167)/2000 | 165 (221)/2100 |
| ISO9249/SAE J1349: Net | kW (HP)/rpm | 101 (135)/2900 | 144 (193)/2000 | 119 (160)/2000 | 163 (218)/2100 |
| PERFORMANCE: | | | | | |
| Travel speeds: | km/h (MPH) | | | | |
| Forward 1st | | 3.4 (2.1) | 3.4 (2.1) | 3.3 (2.1) | 3.4 (2.1) |
| 2nd | | 6.1 (3.8) | 5.0 (3.1) | 4.8 (3.0) | 5.0 (3.1) |
| 3rd | | 10.7 (6.6) | 7.0 (4.3) | 6.8 (4.2) | 7.0 (4.3) |
| 4th | | 14.1 (8.8) | 10.2 (6.3) | 9.8 (6.1) | 10.2 (6.3) |
| 5th | | 25.5 (15.8) | 15.4 (9.6) | 14.9 (9.3) | 15.4 (9.6) |
| 6th | | 44.5 (27.7) | 22.3 (13.9) | 21.6 (13.4) | 22.3 (13.9) |
| 7th | | — | 30.6 (19.0) | 29.6 (18.4) | 30.6 (19.0) |
| 8th | | — | 44.3 (27.5) | 42.9 (26.7) | 44.3 (27.5) |
| Reverse (Max.) | | 54.4 (33.8) | 40.3 (25.0) | 39.1 (24.3) | 40.3 (25.0) |
| Max. traction (Drawbar pull) | kg (lb) | 6140 (13,535) | 8800 (19,400) | | 9050 (19,950) |
| Min. turning radius** | mm (ft.in) | 6600 (21'8") | 7300 (23'11") | 6800 (22'4") | 7400 (24'3") |
| DIMENSIONS: | | | | | |
| Overall length | mm (ft.in) | 7895 (25'11") | 8995 (29'6") | 8387 (27'6") | 9205 (30'2") |
| Treads: Front | mm (ft.in) | 2020 (6'8") | 2070 (6'9") | 2130 (7'0") | 2070 (6'9") |
| Rear | mm (ft.in) | 2020 (6'8") | 2060 (6'9") | 2130 (7'0") | 2060 (6'9") |
| Articulation angle (each) | degree | 27 | 25 | 23 | 25 |
| ENGINE: | | | | | |
| Model | | KOMATSU S6D95L | KOMATSU SAA6D107E-1 | KOMATSU SAA6D102E-2 | KOMATSU SAA6D107E-1 |
| No. of cylinders- bore × stroke | mm (in) | 6-95 × 115 (3.74 × 4.53) | 6 –107 × 124 (4.21 × 4.88) | 6 - 102 x 120 (4.02 x 4.72) | 6 –107 × 124 (4.21 × 4.88) |
| Piston displacement | ltr. ($in^3$) | 4.89 (298) | 6.69 (408) | 5.88 (359) | 6.69 (408) |
| CAPACITY | | | | | |
| Fuel tank | ltr. (U.S. Gal) | 227 (60.0) | 416 (109.9) | 340 (90) | 416 (109.9) |

| Item | Model | •GD655-5*** | GD663A-2 | •GD675-5 | GD705A-4 |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | 15860 (34,960) | 13350 (29,430) | 15955 (35,175) | 17620 (38,580) |
| HORSEPOWER: | | | | | |
| SAE J1995: Gross | kW (HP)/rpm | 165 (221)/2100 | | 165 (221)/2100 | |
| ISO9249/SAE J1349: Net | kW (HP)/rpm | 163 (218)/2100 | 134 (180)/2200 | 163 (218)/2100 | 149 (200)/2000 |
| PERFORMANCE: | | | | | |
| Travel speeds: | km/h (MPH) | | | | |
| Forward 1st | | 3.4 (2.1) | 3.7 (2.3) | 3.4 (2.1) | 3.9 (2.4) |
| 2nd | | 5.0 (3.1) | 6.6 (4.1) | 5.0 (3.1) | 5.2 (3.2) |
| 3rd | | 7.0 (4.3) | 11.3 (7.0) | 7.0 (4.3) | 7.6 (4.7) |
| 4th | | 10.2 (6.3) | 15.5 (9.6) | 10.2 (6.3) | 11.5 (7.1) |
| 5th | | 15.4 (9.6) | 27.6 (17.2) | 15.4 (9.6) | 15.0 (6.8) |
| 6th | | 22.3 (13.9) | 47.2 (29.3) | 22.3 (13.9) | 20.5 (12.7) |
| 7th | | 30.6 (19.0) | - | 30.6 (19.0) | 30.0 (18.6) |
| 8th | | 44.3 (27.5) | - | 44.3 (27.5) | 43.0 (26.7) |
| Reverse (Max.) | | 40.3 (25.0) | 57.6 (35.8) | 40.3 (25.0) | 45.9 (28.5) |
| Max. traction (Drawbar pull) | kg (lb) | | 7550 (16,640) | 9290 (20,490) | 10180 (22,420) |
| Min. turning radius** | mm (ft.in) | 7400 (24'3") | 7100 (23'4") | 7400 (24'3") | 7500 (24'7") |
| DIMENSIONS: | | | | | |
| Overall length | mm (ft.in) | 9205 (29'7") | 8500 (27'11") | 9205 (30'2") | 9270 (30'5") |
| Treads: Front | mm (ft.in) | 2160 (7'1") | 2070 (6'10") | 2170 (7'1") | 2300 (7'7") |
| Rear | mm (ft.in) | 2160 (7'1") | 2070 (6'10") | 2160 (7'1") | 2300 (7'7") |
| Articulation angle(each) | degree | 25 | 26 | 25 | 26 |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D107E-1 | KOMATSU 6D125 | KOMATSU SAA6D107E-1 | KOMATSU S6D125 |
| No. of cylinders- bore × stroke | mm (in) | 6 - 107 x 124 (4.21 x 4.88) | 6 - 125 x 150 (4.92 x 5.91) | 6 –107 × 124 (4.21 × 4.88) | 6 –125 × 150 (4.9 × 5.9) |
| Piston displacement | ltr. ($in^3$) | 6.69 (408) | 11.04 (674) | 6.69 (408) | 11.05 (674) |
| CAPACITY | | | | | |
| Fuel tank | ltr. (U.S. Gal) | 416 (110) | 285 (75.3) | 416 (109.9) | 400 (105.7) |

* Operating weight includes standard blade, standard tires, full fuel tank, lubricants, operator and standard equipment.
** At center of front outside tire, combining the use of full articulation, full front wheel steering and leaning.
*** Brazil source
• Tier 3 and Stage 3A model



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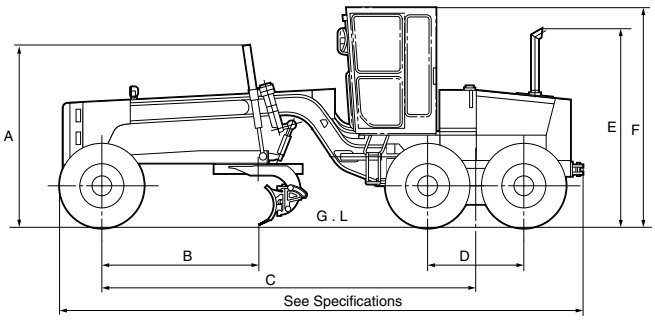

| Item | Model | GD755-5R | GD825A-2 | | |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | 21650 (47,730) | 26350 (58,090) | | |
| HORSEPOWER: | | | | | |
| SAE J1995: Gross | kW (HP)/rpm | 216 (290)/2000 | | | |
| ISO9249/SAE J1349: Net | kW (HP)/rpm | 213 (286)/2000 | 209 (280)/2100 | | |
| PERFORMANCE: | | | | | |
| Travel speeds: | km/h (MPH) | | | | |
| Forward 1st | | 5.1 (3.2) | 4.0 (2.5) | | |
| 2nd | | 7.9 (4.9) | 5.4 (3.4) | | |
| 3rd | | 9.5 (5.9) | 8.0 (5.0) | | |
| 4th | | 12.1 (7.5) | 11.5 (7.1) | | |
| 5th | | 14.9 (9.3) | 15.8 (9.8) | | |
| 6th | | 19.1 (11.9) | 21.4 (13.3) | | |
| 7th | | 29.2 (18.1) | 31.3 (19.4) | | |
| 8th | | 45.0 (28.0) | 44.9 (27.9) | | |
| Reverse (Max.) | | 43.6 (27.1) | 47.9 (29.8) | | |
| Max .traction (Drawbar pull) | Kg (lb) | 13700 (30,200) | 14705 (32,420) | | |
| Min. turning radius** | mm (ft.in) | 7700 (22'8") | 7900 (25'11")*5 | | |
| DIMENSIONS: | | | | | |
| Overall length | mm (ft.in) | 9540 (31'4") | 11470 (37'8") | | |
| Treads: Front | mm (ft.in) | 2300 (7'7") | 2620 (8'7") | | |
| Rear | mm (ft.in) | 2300 (7'7") | 2620 (8'7") | | |
| Articulation angle (each) | degree | 27 | 25 | | |
| ENGINE: | | | | | |
| Model | | KOMATSU SAA6D125-5 | KOMATSU S6D140E | | |
| No. of cylinders- bore × stroke | mm (in) | 6 - 125 x 150 (4.92 x 5.91) | 6-140 × 165 (5.51 × 6.50) | | |
| Piston displacement | ltr. ($in^3$) | 11.04 (674) | 15.24 (930) | | |
| CAPACITY | | | | | |
| Fuel tank | ltr. (U.S. Gal) | 400 (105.7) | 500 (132.1) | | |

* Operating weight includes standard blade, standard tires, full fuel tank, lubricants, operator and standard equipment.
** At center of front outside tire, combining the use of full articulation, full front wheel steering and leaning.
*** USA version
*5 With differential
• Tier 3 and Stage 3A model


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| Item | Model | GD511A-1 | GD555-5 | GD555-3** | GD655-5 | GD655-5** |
|---|---|---|---|---|---|---|
| BLADE: Length | mm (ft.in) | 3710 (12'2") | 3710 (12'2") | 3710 (12'2") | 3710 (12'2") | 3710 (12'2") |
| Height* | mm (ft.in) | 645 (2'1") | 645 (2'1") | 660 (2'2") | 645 (2'1") | 660 (2'2") |
| TIRES | | 13.00-24-8PR | 14.00-24-10PR | 14.00-24-12PR | 14.00-24-10PR | 17.5 R25 |
| DIMENSIONS: | | | | | | |
| A Height to top of the blade lift cylinders | mm (ft.in) | 2815 (9'3") | | | | |
| B Distance between center of front tires and blade edge | mm (ft.in) | 2540 (8'4") | 2380 (7'10") | 2500 (8'2") | 2580 (8'6") | 2580 (8'6") |
| C Wheelbase | mm (ft.in) | 5780 (19') | 6270 (20'7") | 5850 (19'2") | 6480 (21'3") | 6480 (21'3") |
| D Distance between centers of tandem wheels | mm (ft.in) | 1535 (5'0") | 1525 (5'0") | 1535 (5'0") | 1525 (5'0") | 1525 (5'0") |
| E Height to top of the stack | mm (ft.in) | 3165 (10'5") | 2997 (9'10") | | 2997 (9'10") | |
| F Overall height: | mm (ft.in) | | | | | |
| When installing the | | | | | | |
| -CANVAS CANOPY | | 3355 (11') | | | | |
| -ROPS CANOPY | | 3500 (11'6") | | | | |
| -ROPS CAB (Low) | | | 3200 (10'6") | 3121 (10'3") | 3200 (10'6") | 3200 (10'6") |
| -ROPS CAB (High) | | 3485 (11'5") | | | | |
| -STEEL CAB | | 3340 (11') | | | | |
| Articulation angle | degree | 27 | 25 | 23 | 25 | 25 |
| Width over tires: | mm (ft.in) | | | | | |
| Front | | 2395 (7'10") | 2495 (8'2") | 2633 (8'8") | 2495 (8'2") | 2615 (8'7") |
| Rear | | 2395 (7'10") | 2485 (8'2") | 2633 (8'8") | 2485 (8'2") | 2615 (8'7") |
| Ground clearance | mm (ft.in) | 365 (1'2") | 390 (1'3") | | 390 (1'3") | |

| Item | Model | GD663A-2 | GD675-5 | GD705A-4 | GD755-5R | GD825A-2 |
|---|---|---|---|---|---|---|
| BLADE: Length | mm (ft.in) | 3710 (12'2") | 4320 (14'2") | 4320 (14'2") | 4320 (14'2") | 4878 (16') |
| Height* | mm (ft.in) | 645 (2'1") | 645 (2'1") | 700 (2'4") | 700 (2'4") | 850 (2'9") |
| TIRES | | 14.00-24-10PR | 17.5 R25 | 16.00-24-12PR | 16.00-24-16PR | 23.5-25-12PR |
| DIMENSIONS: | | | | | | |
| A Height to top of the blade lift cylinders | mm (ft.in) | | | 2900 (9'6") | | 3300 (10'10") |
| B Distance between center of front tires and blade edge | mm (ft.in) | 2600 (8'6") | 2580 (8'6") | 2900 (9'6") | 2860 (9'5") | 3100 (10'2") |
| C Wheelbase | mm (ft.in) | 6000 (19'8") | 6480 (21'3") | 6450 (21'2") | 6750 (22'2") | 7100 (23'4") |
| D Distance between centers of tandem wheels | mm (ft.in) | 1535 (5') | 1525 (5'0") | 1730 (5'8") | 1653 (5'5") | 1840 (6') |
| E Height to top of the stack | mm (ft.in) | 3130 (10'3") | 2997 (9'10") | 3365 (11') | 3135 (10'3") | 3490 (11'5") |
| F Overall height: | mm (ft.in) | | | | | |
| When installing the | | | | | | |
| -CANVAS CANOPY | | | | 3365 (11') | | |
| -ROPS CANOPY | | | | 3560 (11'8") | | — |
| -ROPS CAB (Low) | | | 3200 (10'6") | | 3535 (11'7") | 3550 (11'8") |
| -ROPS CAB (High) | | | | 3560 (11'8") | | 3550 (11'8") |
| -STEEL CAB | | 3360 (11'0") | | 3365 (11') | | — |
| Articulation angle | degree | 26 | 25 | 26 | 27 | 25 |
| Width over tires: | mm (ft.in) | | | | | |
| Front | | 2470 (8'1") | 2640 (8'8") | 2800 (9'2") | 2800 (9'2") | 3310 (11'10") |
| Rear | | 2470 (8'1") | 2630 (8'8") | 2800 (9'2") | 2800 (9'2") | 3310 (11'10") |
| Ground clearance | mm (ft.in) | 393 (1'3") | 390 (1'3") | 410 (1'4") | 390 (1'3") | 440 (1'5") |

* Blade arc length
** Brazil source



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● :Standard equipment
○ :Optional equipment

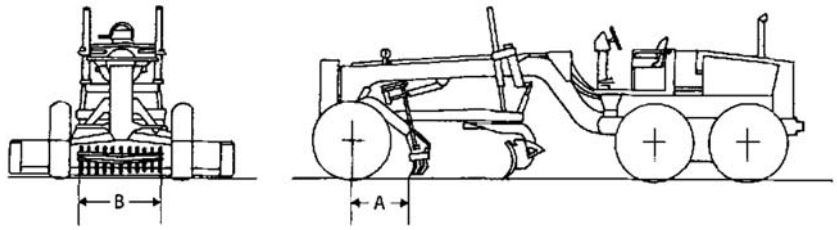
| Item \ Model | GD 511A-1 | GD 555-5 | GD 655-5 | GD 663A-2 | GD 675-5 | GD 705A-4 | GD 755-5R | GD 825A-2 | |
|---|---|---|---|---|---|---|---|---|---|
| BLADE | | | | | | | | | |
| 2.2 m (7.2 ft) | | | | | | | | | |
| 2.5 m (8.2 ft) | | | | | | | | | |
| 2.8 m (9.2 ft) | | | | | | | | | |
| 3.05 m (10 ft) | | | | | | | | | |
| 3.1 m (10.2 ft) | | | | | | | | | |
| 3.4 m (11.2 ft) | | | | | | | | | |
| 3.7 m (12.1 ft) | ● | ● | ● | ● | | | | | |
| 4.0 m (13.1 ft) | ○ | | | ○ | | | | | |
| 4.3 m (14.1 ft) | ○ | ○ | ○ | ○ | ● | ● | ● | | |
| 4.9 m (16.1 ft) | | | | | | | | ● | |
| VARIABLE BLADE | | | | | | | | | |
| HYDRAULIC BLADE TIP CONTROL | ○ | ● | ● | ○ | | ● | | ● | |
| EXTENSION BLADE | | | | | | | | | |
| FRONT DOZER BLADE | ○ | ○ | ○ | ○ | ○ | ○ | | | |
| SCARIFIER | | | | | | | | | |
| 5 teeth | | | | | | | | | |
| 6 teeth | | | | | | | | | |
| 7 teeth | | | | | | | | | |
| 9 teeth | ○ | ○ | ○ | | | | | | |
| 11 teeth | ○ | ○ | ○ | ○ | ○ | ○ | | | |
| REPLACEBLE TIP TEETH FOR SCARIFIER | | | | | | | | | |
| REAR MOUNT RIPPER | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | |
| PUSH PLATE | | ○ | ○ | ○ | ○ | | ○ | ○ | |

* USA version


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| Item | Model | GD511A*** | | GD511A*** | GD555-3 |
|---|---|---|---|---|---|
| **NO.OF TEETH** | | 9 | | 11 | |
| ADDITIONAL WEIGHT: | kg (lb) | **Standard Teeth** | **Point Teeth** | **Standard Teeth** | |
| To operating weight | | +660 (+1,460) [+685 (+1,510)] | +665 (+1,470) [+690 (+1,520)] | +690 (+1,520) [+715 (+1,580)] | +565 (+1,250) [+575 (+1,270)] |
| To front axle | | +565 (+1,250) [+585 (+1,290)] | +570 (+1,260) [+590 (+1,300)] | +590 (+1,300) [+610 (+1,340)] | +470 (+1,040) [+475 (+1,050)] |
| To rear axle | | +95 (+210) [+100 (+220)] | +95 (+210) [+100 (+220)] | +100 (+220) [+105 (+230)] | +95 (+210) [+100 (+220)] |
| DIMENSIONS: A: Distance between teeth and center of front tire | mm (ft.in) | 970 (3'2") | 850 (2'9") | 970 (3'2") | 1005 (3'4") |
| SCARIFIER LOAD* | kg (lb) | 4440 (9,790) | 4335 (9,560) | 4470 (9,850) | 5335 (11,760) |
| SCARIFIER RANGE: | | | | | |
| Digging angle | degree | 61 ~ 74 | 51 ~ 64 | 61 ~ 74 | 63 ~ 78 |
| Max. lift above ground | mm (ft.in) | 340 (1'1") [530 (1'9")] | 320 (1'1") [495 (1'7")] | 340 (1'1") [530 (1'9")] | 350 (1'2") |
| Max. digging depth | mm (ft.in) | 260 (10.2") [290 (11.4")] | 260 (10.2") [290 (11.4")] | 260 (10.2") [290 (11.4")] | 255 (10") [365 (1'2")] |
| SCARIFIER EQUIPMENT: | | | | | |
| Type | | V-type, 2-stage adjustable | | V-type, 2-stage adjustable | |
| Weight | kg (lb) | 660 (1,460) | 665 (1,470) | 690 (1,520) | 565 (1,250) |
| B: Digging width | mm (ft.in) | 1065 (3'6") | 1090 (3'7") | 1325 (4'4") | 1405 (4'7") |
| Tooth: | | | | | |
| As-installed Height × width × thickness | mm (in) | 275 × 77 × 25 (10.8" × 3.0" × 1.0") | 185 × 50 × 36.3 (7.3" × 2.0" × 1.4") | 275 × 77 × 25 (10.8" × 3.0" × 1.0") | 275 × 77 × 25 (10.8" × 3.0" × 1.0") |

| Item | Model | GD511A*** | GD555-3 | GD555-5 | GD655-5 GD675-5 |
|---|---|---|---|---|---|
| **NO.OF TEETH** | | 11 | | | |
| ADDITIONAL WEIGHT: | kg (lb) | **Point Teeth** | | | |
| To operating weight | | +695 (+1,530) [+720 (+1,590)] | +570 (+1,260) [+585 (+1,290)] | +645 (+1,420) | +645 (+1,420) |
| To front axle | | +595 (+1,310) [+615 (+1,360)] | +475 (+1,050) [+485 (+1,070)] | +565 (+1,250) | +565 (+1,250) |
| To rear axle | | +100 (+220) [+105 (+230)] | +95 (+210) [+100 (+220)] | +80 (+176) | +80 (+176) |
| DIMENSIONS: A: Distance between teeth and center of front tire | mm (ft.in) | 850 (2'9") | 960 (3'2") | 914 (3'0") | 914 (3'0") |
| SCARIFIER LOAD* | kg (lb) | 4265 (9,400) | 5295 (11,670) | 5510 (12,150) | 5555 (12,250) |
| SCARIFIER RANGE: | | | | | |
| Digging angle | degree | 51 ~ 64 | 53 ~ 69 | 51 ~ 68 | 51 ~ 68 |
| Max. lift above ground | mm (ft.in) | 340 (1'1") [530 (1'9")] | 320 (1'1") | 350 (1'2") | 345 (1'2") |
| Max. digging depth | mm (ft.in) | 260 (10.2") [290 (11.4")] | 265 (10.4") [365 (1'2")] | 205 (8.1") | 210 (8.3") |
| SCARIFIER EQUIPMENT: | | | | | |
| Type | | V-type, 2-stage adjustable | | V-type, 2-stage adjustable | |
| Weight | kg (lb) | 695 (1,530) | 570 (1,260) | 645 (1,420) | 645 (1,420) |
| B: Digging width | mm (ft.in) | 1350 (4'5") | 1430 (4'8") | 1430 (4'8") | 1430 (4'8") |
| Tooth: | | | | | |
| As-installed Height × width × thickness | mm (in) | 185 × 50 × 36.3 (7.3" × 2.0" × 1.4") | 185 × 50 × 36.3 (7.3" × 2.0" × 1.4") | 185 × 50 × 36.3 (7.3" × 2.0" × 1.4") | 185 × 50 × 36.3 (7.3" × 2.0" × 1.4") |

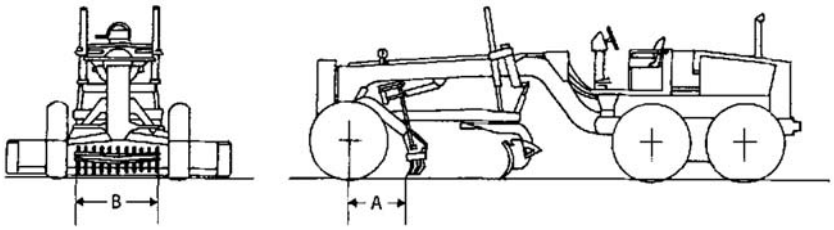
*: SCARIFIER LOAD: When the scarifier and rear tires support the machine's weight.
***: Including the scarifier bracket weight.
[ ] : When installing the adjustable type lifting rod



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| Item | Model | GD663A-2 | | GD705A-4 | |
|---|---|---|---|---|---|
| **NO.OF TEETH** | | **11** | | **11** | |
| ADDITIONAL WEIGHT: | kg (lb) | **Standard Teeth** | **Point Teeth** | **Standard Teeth** | **Point Teeth** |
| To operating weight | | +710 (+1,570) | +715 (+1,580) | +1040 (+2,290) | +1050 (+2,310) |
| To front axle | | +615 (+1,360) | +620 (+1,370) | +880 (+1,940) | +890 (+1,960) |
| To rear axle | | +95 (+210) | +95 (+210) | +160 (+350) | +160 (+350) |
| DIMENSIONS: A: Distance between teeth and center of front tire | mm (ft.in) | 950 (3'1") | 830 (2'9") | 890 (2'11") | 830 (2'9") |
| SCARIFIER LOAD* | kg (lb) | 5380 (11,860) | 5265 (11,610) | 6690 (14,750) | 6630 (14,620) |
| SCARIFIER RANGE: | | | | | |
| Digging angle | degree | 61-74 | 51-64 | 54~67.5 | 49~63 |
| Max. lift above ground | mm (ft.in) | 350 (1'2") | 330 (1'1") | 630 (2'1") | 610 (2'0") |
| Max. digging depth | mm (ft.in) | 240 (9.4") | 240 (9.4") | 350 (1'2") | 350 (1'2") |
| SCARIFIER EQUIPMENT: | | | | | |
| Type | | V-type, 2-stage adjustable | | V-type, 2-stage adjustable | |
| Weight | kg (lb) | 710 (1,570) | 715 (1,580) | 1040 (2,290) | 1050 (2,310) |
| B: Digging width | mm (ft.in) | 1325 (4'4") | 1350 (4'5") | 1325 (4'4") | 1350 (4'5") |
| Tooth: As-installed Height × width × thickness | mm (in) | 275 × 77 × 25 (10.8" × 3.0" × 1.0") | 185 × 50 × 36.3 (7.3" × 2.0" × 1.4") | 265 × 77 × 25 (10.4" × 3.0" × 1.0") | 185 × 50 × 36.3 (7.3" × 2.0" × 1.4") |

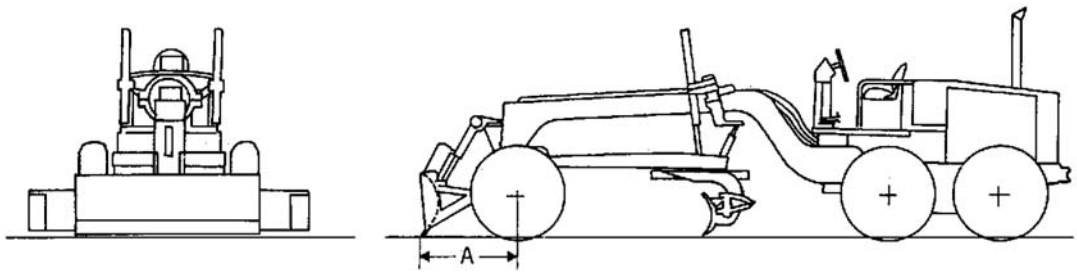
*: SCARIFIER LOAD: When the scarifier and rear tires support the machine's weight.
***: Including the scarifier bracket weight.
[ ] : When installing the adjustable type lifting rod.



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| Item | Model | GD511A | GD555-5 | GD655-5<br>GD675-5 |
|---|---|---|---|---|
| ADDITIONAL WEIGHT:<br>To operating weight<br>To front axle<br>To rear axle | kg (lb) | +405 (+890)<br>+500 (+1,100)<br>–95 (–210) | +835 (+1,480)<br>+965 (+2,130)<br>-130 (-290) | +835 (+1,840)<br>+965 (+2,130)<br>-130 (-290) |
| ADDITIONAL OVERALL LENGTH:<br>A: Distance between blade edge and center of front tire | mm (ft.in) | 1380 (4'6") | 1445 (4'9") | 1445 (4'9") |
| BLADE RANGE:<br>Digging angle<br>Max. lift above ground<br>Max. digging depth | <br>degree<br>mm (ft.in)<br>mm (ft.in) | <br>54.5<br>545 (1'9")<br>165 (6.5") | <br>56<br>565 (1'10")<br>138 (5.4") | <br>56<br>565 (1'10")<br>138 (5.4") |
| BLADE EQUIPMENT:<br>Type | | Front arc, box section type, hydraulically controlled | | |
| Weight<br>Length<br>Height | kg (lb)<br>mm (ft.in)<br>mm (ft.in) | 826 (1,820)<br>2524 (8'3")<br>850 (2'9") | 835 (1,840)<br>2500 (8'2")<br>860 (2'10") | 835 (1,840)<br>2500 (8'2")<br>860 (2'10") |

| Item | Model | GD663A-2 | GD705A-4 |
|---|---|---|---|
| ADDITIONAL WEIGHT:<br>To operating weight<br>To front axle<br>To rear axle | kg (lb) | +170 (+375)<br>+275 (+610)<br>-105 (-230) | +970 (+2,140)<br>+1100 (+2,450)<br>-140 (-310) |
| ADDITIONAL OVERALL LENGTH:<br>A: Distance between blade edge and center of front tire | mm (ft.in) | 1445 (4'9") | 1610 (5'3") |
| BLADE RANGE:<br>Digging angle<br>Max. lift above ground<br>Max. digging depth | <br>degree<br>mm (ft.in)<br>mm (ft.in) | <br><br>548 (1'10")<br>157 (6.2") | <br>55<br>555 (1'10")<br>110 (4.3") |
| BLADE EQUIPMENT:<br>Type | | Front arc, box section type, hydraulically controlled | |
| Weight<br>Length<br>Height | kg (lb)<br>mm (ft.in)<br>mm (ft.in) | 820 (1,810)<br>2524 (8'3")<br>850 (2'9") | 910 (2,010)<br>2500 (8'2")<br>850 (2'9") |

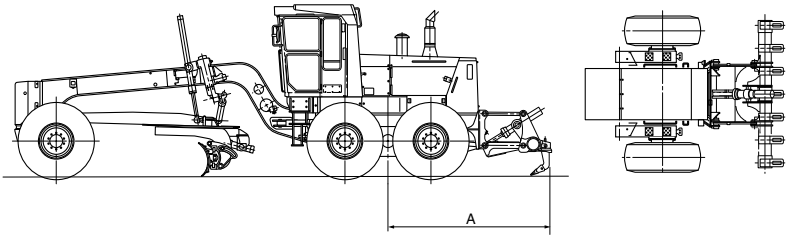
*: As the front counterweight is removed when installing the front blade, "Additional weight" differs from "Blade weight".



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| Item | Model | GD555-5 | GD655-5<br>GD675-5 | GD663A-2 |
|---|---|---|---|---|
| ADDITIONAL WEIGHT:<br>To operating weight<br>To front axle<br>To rear axle | kg (lb) | +1930 (+4,250)<br>+830 (+1,830)<br>+1100 (+2,430) | +1930 (+4,250)<br>+835 (+1,840)<br>+1095 (+2,410) | +1510 (+3,330)<br>+400 (+880)<br>+1110 (+2,450) |
| ADDITIONAL OVERALL LENGTH:<br>A: Distance between ripper end and center of tandem wheel | mm (ft.in) | 3168 (10'5") | 3168 (10'5") | 2974 (9'9") |
| RIPPER RANGE:<br>Cutting angle<br>Max. lift above ground<br>Max. digging depth | <br>degree<br>mm (ft.in)<br>mm (ft.in) | <br>38<br>555 (1'10")<br>425 (1'5") | <br>38<br>555 (1'10")<br>425 (1'5") | <br>38<br>580 (1'11")<br>425 (1'5") |
| RIPPER EQUIPMENT:<br>Type<br><br>Weight<br>Beam length<br>Shanks:<br>No. of shanks/Pitch<br><br>Teeth point type | <br><br><br>kg (lb)<br>mm (ft.in)<br><br>mm (ft.in)<br><br> | <br>Parallerogram type, hydraulically controlled<br>950 (2,090)<br>2303 (7'7")<br><br>3/1068 (3'6")<br>5/534 (1'9")<br>Replaceable | <br>Parallerogram type, hydraulically controlled<br>950 (2,090)<br>2303 (7'7")<br><br>3/1068 (3'6")<br>5/534 (1'9")<br>Replaceable | <br>Parallerogram type, hydraulically controlled<br>950 (2,090)<br>2303 (7'7")<br><br>3/1068 (3'6")<br>5/534 (1'9")<br>Replaceable |

| Item | Model | GD705A-4 | GD755-5R | GD825A-2 |
|---|---|---|---|---|
| ADDITIONAL WEIGHT:<br>To operating weight<br>To front axle<br>To rear axle | kg (lb) | +2080 (+4,590)<br>+180 (+400)<br>+1900 (+4,190) | +2730 (+6,020)<br>+130 (+290)<br>+2600 (+5,730) | +2584 (+5,700)<br>-37 (-82)<br>2621 (+5,780) |
| ADDITIONAL OVERALL LENGTH:<br>A: Distance between ripper end and center of tandem wheel | mm (ft.in) | 3372 (11'1") | 3347 (11'0") | 3490 (11'5") |
| RIPPER RANGE:<br>Cutting angle<br>Max. lift above ground<br>Max. digging depth | <br>degree<br>mm (ft.in)<br>mm (ft.in) | <br>38<br>600 (2'0")<br>380 (1'3") | <br>38<br>625 (2'1")<br>390 (1'3") | <br>42<br>675 (2'3")<br>480 (1'7") |
| RIPPER EQUIPMENT:<br>Type<br><br>Weight<br>Beam length<br>Shanks:<br>No. of shanks/Pitch<br><br>Teeth point type | <br><br><br>kg (lb)<br>mm (ft.in)<br><br>mm (ft.in)<br><br> | <br>Parallerogram type, hydraulically controlled<br>1410 (3,110)<br>2740 (9'0")<br><br>3/1275 (4'2")<br>7/425 (1'5")<br>Replaceable | <br>Parallerogram type, hydraulically controlled<br>1510 (3,330)<br>2643 (8'8")<br><br>3/1245 (4'1")<br>7/415 (1'4")<br>Replaceable | <br>Parallerogram type, hydraulically controlled<br>2014 (4,440)<br>2064 (10'1")<br><br>3/1425 (4'8")<br>7/475 (1'7")<br>Replaceable |



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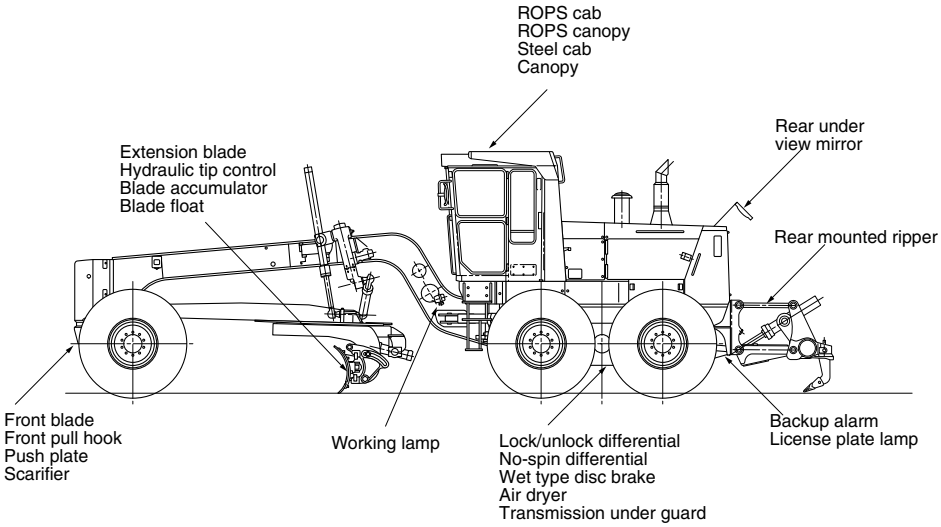
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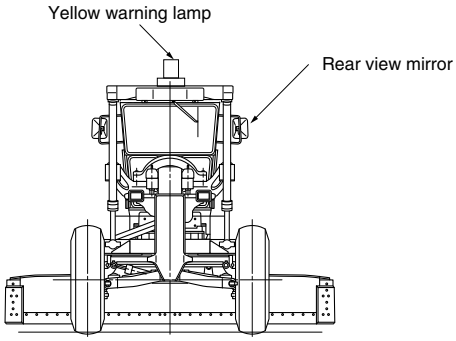

| Item / Model | Weight kg (lb)* | | | | | |
|---|---|---|---|---|---|---|
| | Canvas canopy | Steel cab | ROPS canopy | | ROPS cab | |
| | | | Low profile | Full height | Low profile | Full height |
| GD511A-1 | 43 (95) | 310 (680) | — | 550 (1,210) | — | 830 (1,830) |
| GD555-5 | — | — | — | — | 795 (1,750) | — |
| GD655-5 | — | — | — | — | 795 (1,750) | — |
| GD663A-2 | 43 (95) | 310 (680) | — | 550 (1,210) | — | 830 (1,830) |
| GD675-5 | — | — | — | — | 795 (1,750) | — |
| GD705A-4 | 93 (205) | 350 (770) | — | 540 (1,190) | — | 807 (1,780) |
| GD755-5R | — | — | — | — | 860 (1,900) | — |
| GD825A-2 | — | — | — | — | 1,000 (2,205) | — |

* With ROPS brackets


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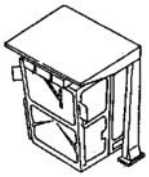
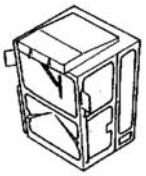
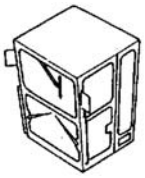
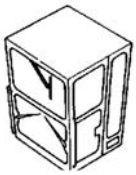
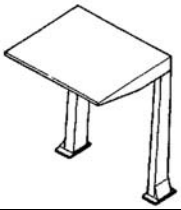





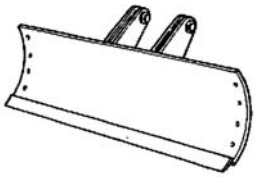
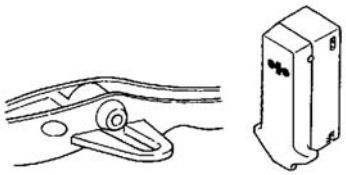
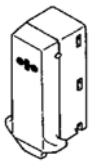
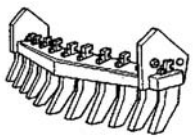
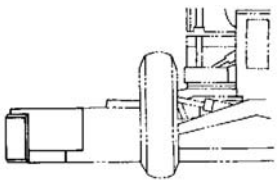
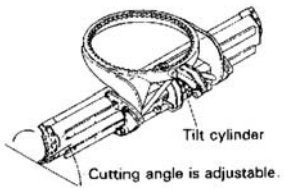
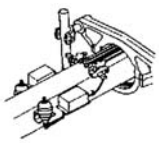
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| Description | Features |
|---|---|
| **ROPS (Roll Over Protective Structure) cab**  | The combination of ROPS and a steel cab ensures safety in places where there is danger of the machine turning over and to protect the operator from wind, rain, cold, sand and sun.<br>Low profile and full height cabs are available. Full height ROPS cab is 90 mm (3.5")higher than the low profile cab. |
| **Deluxe steel cab (Type A)**  | Consisting of a steel framework with glass doors, windshield and windows, it is completely enclosed and lined with noise - absorbing materials.<br>(This cab is available for GD825A only.) |
| **Standard steel cab (Type B)**  | It consists of a steel framework with glass doors, windshield and windows.<br>(This cab is available for all models excluding GD825A). |
| **Simple steel cab (Type C)**  | It consists of a steel framework with glass doors, windshield and windows.<br>Upper front glass is fixed to cab frame.<br>(This cab is available for all models excluding GD825A). |
| **ROPS canopy**  | This ensures safety in places where there is danger of the machine turning over and to protect the operator from the sun. |
| **Canvas canopy, Steel canopy**  | The simple steel frame is topped with a canvas canopy. This protects the operator from the sun. |

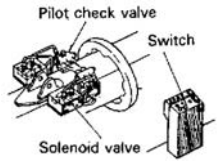
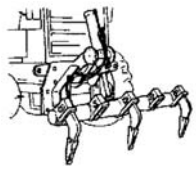
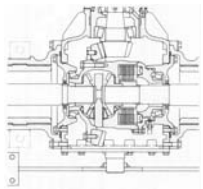
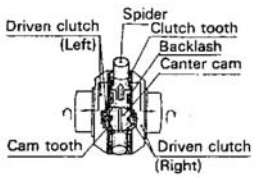
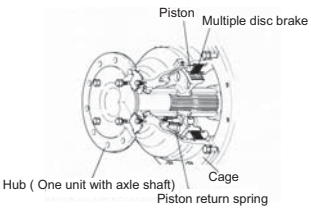
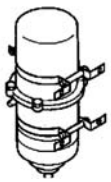

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| Description | Features |
|---|---|
| **Front blade**  | It is an indispensable work tool for volume push - carry operations and for facilitating difficult spreading jobs involving large heaps of slabby or rocky materials unloaded from dump trucks. |
| **Front pull hook**  | Hook mounted front of the machine for towing.<br>There are two kind of front hooks.<br>• Front weight with nails.<br>• U - shape bracket welded on front axle.<br>If front attachments (for example front blade etc), are equipped, this hook is not available. |
| **Push plate**  | This is used for pushing trees down or pushing machine up in muddy terrain.<br>This is used also as a counterweight to prevent the front wheels from coming off the ground during ripping operations. |
| **Scarifier**  | This attachment digs up hard ground, like asphalt, old pavement and frozen surfaces cannot be removed by the blade. The number of teeth used depends upon the ground hardness.<br>High-strength alloy steel tips can be mounted on the teeth to prevent tooth wear and extend their service for economical performance. |
| **Extension blade**  | By extending the blade length on one side or on both sides, a larger operating width is obtained, so the work can be carried out with high efficiency.<br>This can only be used for light duty operations such as leveling soil. It is not possible to carry out bank cutting with extension blade at the bottom. |
| **Hydraulic blade tip control**   | Adjusts the blade - cutting angle according to ground and travel - speed conditions.<br>The angle is freely controlled with a lever operable from the operator's seat. |
| **Blade accumulator**  | To relieve the shock caused by load when using the blade.<br>The load on the blade is kept constant without any need to operate the blade lift lever, so blade operations are easy. |


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| Description | Features |
|---|---|
| **Blade float**<br>  | By setting the hydraulic pressure inside the blade lift cylinder to 0, so that only the weight of the blade is applied to the digging surface, operations such as removing grass become easier. |
| **Rear mounted ripper**<br>  | This attachment can be used to dig out rocks or hard ground not removable by scarifier.<br>A push plate must be mounted at the same time, and the small front weight must be removed. |
| **Lock / unlock differential gear**<br>  | The differential built in the final drive case provides the following precise operations.<br>Excellent leveling even when the machine is turning a corner.<br>Reduced turning radius.<br>Reduced tire wear.<br>By locking the differential, sufficient traction is obtained even in muddy terrain.<br>Lock or unlock are selectable by turning a switch. |
| **Non - spin differential**<br>  | Depending on the ground condition, the locking and unlocking are automatically switched. The advantages are the same as for the lock / unlock differential given above. |
| **Wet type disc brake**<br>  | The brakes are sealed type, so no water or mud can get in.<br>This ensures stable braking at all times. Oil lubrication means wear is kept to the minimum, so the brakes are maintenance free.<br>The brakes are operated pneumatically, so a small operating effort of brake pedal gives secure braking.<br>There are two brake circuits, so even if one of the air circuits should be damaged, it is still possible to brake the machine. |
| **Air dryer**<br>  | The function of the air dryer is to remove the water vapor from the compressed air in the circuit. In this way it protects the components of the equipment and prevents problems in operation in cold areas. |
| **Inspection lamp** | This is used for inspection and maintenance at night. |
| **Yellow warning lamp** | Signifies that the machine is in operation. |
| **License - plate lamp** | Lamp for lighting license plate |


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# BACKHOE LOADERS Sec 6

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SECTION 6

# BACKHOE LOADERS

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## ■ Built with proven HydrauMind excavator technology

- Komatsu's exclusive HydrauMind™ hydraulic system is the ultimate combination of power and precision creating one of the most productive backhoe loaders in the world.
  - Closed center Load Sensing System (CLSS)
  - Load Independent Flow Divider (LIFD) hydraulic valve block
  - 2 working modes for backhoe operations
  - Speed-Up function for loader operations

## ■ Superior lift capacities and breakout forces

- Komatsu's superior lift capacities and breakout forces are achieved exclusively through the HydrauMind hydraulic system.
- The front loader has superb breakout forces and lift capacity due in part to the unique design of the loader.

## ■ Komatsu's ergonomic innovations create the perfect operating environment.

- We ergonomically designed the controls offering ease of operation, using a hydraulic system that responds smoothly and precisely.
- The cab allows for all-around visibility and is extremely quiet.
- The ergonomically designed suspension seat is very comfortable and fully adjustable.

## ■ Multi-function loader control lever's cutting edge design allows for fingertip operation of all key loader functions.

- Transmission disconnect
- Auxiliary hydraulic control
- Rear differential lock
- Hydraulic speed up function
- Kick down (PS version only)

## ■ Low lever efforts allow for PPC-like feel during backhoe operation.

## ■ All-around visibility, compactness and maximum accessibility for maintenance.

## ■ Powered by a new generation of Komatsu engines.

The large cubic displacement of engines, ensures high torque and power, and above all, exceptional reliability.

## ■ Komatsu Backhoe Loaders use service brakes with multiple wet discs and independent circuits operated by two separate pedals.

## ■ A high steering angle combined with excellent maneuverability result in fast cycle times for the operator.

## ■ Komatsu's backhoe loaders are equipped with Power Shuttle transmissions and "Power shift" inverters.

## ■ Komatsu's Electronic Gear Management (EGM) system allows the operator to utilize the Powershift transmission in either manual or automatic mode.

The Komatsu Powershift transmission has been designed to safely allow the operator to perform all functions efficiently. In addition to offering two modes of operation, the Powershift comes standard with:

- Self diagnostics system
- Anti-theft system
- Engagement and automatic disengagement of four wheel drive
- Kick down switch


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| Item | | | Model | WB93R-5E0 | WB93S-5E0 | WB97R-5E0 | WB97S-5E0 |
|---|---|---|---|---|---|---|---|
| OPERATING WEIGHT* | | | kg (lb) | 8070 (17,790) | 8550 (18,850) | 8160 (17,990) | 8700 (19,180) |
| HORSEPOWER: | | | | | | | |
| SAE J1995: | | Gross | kW (HP)/rpm | | | | |
| ISO9249/SAE J1349: | | Net | kW (HP)/rpm | 74 (99.2)/2200 | 74 (99.2)/2200 | 74 (99.2)/2200 | 74 (99.2)/2200 |
| LOADER BUCKET CAPACITY | | | $m^3$ (cu.yd) | 1.03 (1.35) | 1.10 (1.43) | 1.03 (1.35) | 1.10 (1.43) |
| PERFORMANCE: | | | | | | | |
| Travel speeds: | | | km/h (MPH) | | | | |
| Forward | Working | 1st | | 6 (3.7) | 6 (3.7) | 6.5 (4.0) | 6.5 (4.0) |
| | | 2nd | | 10 (6.2) | 10 (6.2) | 11 (6.8) | 11 (6.8) |
| | Travel | 3rd | | 23 (14) | 23 (14) | 23 (14) | 23 (14) |
| | | 4th | | 40 (25) | 40 (25) | 40 (25) | 40 (25) |
| Reverse | Working | 1st | | 6 (3.7) | 6 (3.7) | 6.5 (4.0) | 6.5 (4.0) |
| | | 2nd | | 10 (6.2) | 10 (6.2) | 11 (6.8) | 11 (6.8) |
| | Travel | 3rd | | 23 (14) | 23 (14) | 23 (14) | 23 (14) |
| | | 4th | | 40 (25) | 40 (25) | 40 (25) | 40 (25) |
| Turning radius* (Outside corner of bucket) | | | mm (ft.in) | 4350 (14'3") | 4770 (15'8") | 4350 (14'3") | 4770 (15'8") |
| DIMENSIONS*: | | | | | | | |
| Overall length*** | | | mm (ft.in) | 5817 (19'1") | 5880 (19'4") | 5933 (19'6") | 5856 (19'3") |
| Overall width | | | mm (ft.in) | 2320 (7'7") | 2420 (7'11") | 2320 (7'7") | 2420 (7'11") |
| Overall height** | | | mm (ft.in) | 2900 (9'6") | 2820 (9'3") | 2900 (9'6") | 3009 (9'10") |
| Wheelbase | | | mm (ft.in) | 2173 (7'2") | 2215 (7'3") | 2173 (7'2") | 2215 (7'3") |
| Treads (front) | | | mm (ft.in) | 1910 (6'3") | 1950 (6'5") | 1910 (6'3") | 1950 (6'5") |
| Treads (rear) | | | mm (ft.in) | 1800 (5'11") | 1950 (6'5") | 1800 (5'11") | 1950 (6'5") |
| Articulation angle (each) | | | degree | — | — | — | — |
| ENGINE: | | | | | | | |
| Model | | | | KOMATSU SAA4D104E-1 | KOMATSU SAA4D104E-1 | KOMATSU SAA4D104E-1 | KOMATSU SAA4D104E-1 |
| No. of cylinders- | | | | 4-104 × 132 | 4-104 × 132 | 4-104 × 132 | 4-104 × 132 |
| bore × stroke | | | mm (in) | (4.1 × 5.2) | (4.1 × 5.2) | (4.1 × 5.2) | (4.1 × 5.2) |
| Piston displacement | | | ltr. (cu.in) | 4.485 (274) | 4.485 (274) | 4.485 (274) | 4.485 (274) |
| CAPACITY: | | | | | | | |
| Fuel tank | | | ltr. (U.S. Gal) | 150 (39.6) | 150 (39.6) | 150 (39.6) | 150 (39.6) |

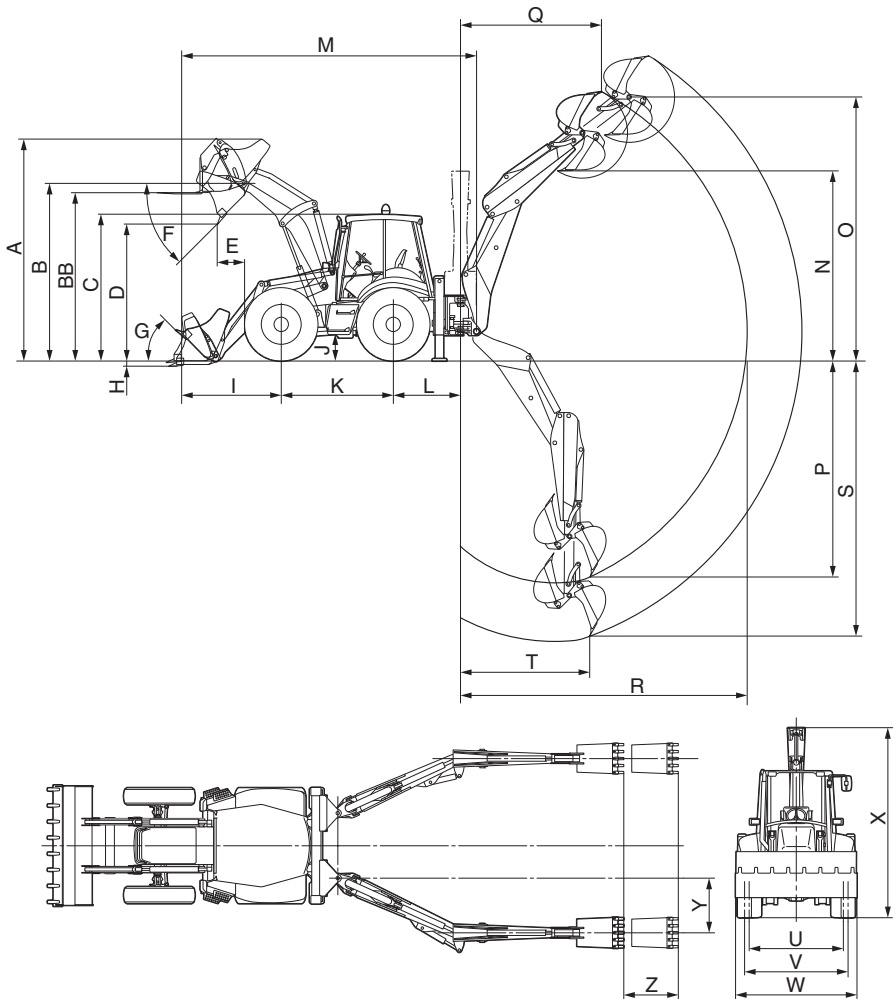
* With standard tires and bucket
** Height to top of the cab
*** Transport length



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FVBH0330

| | A mm (ft.in) | B mm (ft.in) | BB mm (ft.in) | C mm (ft.in) | D mm (ft.in) | E mm (ft.in) | F deg. | G deg. | H mm (ft.in) | I mm (ft.in) | J mm (ft.in) | K mm (ft.in) | L mm (ft.in) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **WB93R-5E0** | 4298 (14'1") | 3428 (11'3") | 3182 (10'3") | 2900 (9'6") | 2778 (9'1") | 724 (2'5") | 43 | 45 | 137 (5.4") | 2017 (6'7") | 416 (1'4") | 2173 (7'2") | 1325 (4'4") |
| **WB93S-5E0** | 4267 (14'0") | 3480 (11'5") | 3165 (10'5") | 2960 (9'9") | 2820 (9'3") | 650 (2'2") | 40 | 45 | 184 (7.2") | 2056 (6'9") | 450 (1'6") | 2215 (7'3") | 1325 (4'4") |
| **WB97R-5E0** | 4298 (14'1") | 3428 (11'3") | 3182 (10'3") | 2900 (9'6") | 2778 (9'1") | 724 (2'5") | 43 | 45 | 137 (5.4") | 2133 (7'0") | 380 (1'3") | 2173 (7'2") | 1325 (4'4") |
| **WB97S-5E0** | 4317 (14'2") | 3530 (11'7") | 3215 (10'7") | 3009 (9'10") | 2870 (9'5") | 595 (1'11") | 40 | 45 | 134 (5.3") | 2143 (7'0") | 455 (1'6") | 2215 (7'3") | 1325 (4'4") |

| | M mm (ft.in) | N mm (ft.in) | O mm (ft.in) | P mm (ft.in) | Q mm (ft.in) | R mm (ft.in) | S mm (ft.in) | T mm (ft.in) | U mm (ft.in) | V mm (ft.in) | W mm (ft.in) | X mm (ft.in) | Y mm (ft.in) | Z mm (ft.in) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **WB93R-5E0** | 5817 (19'1") | 3720 (12'2") | 5792 (19'0") | 4257 (14'0") | 2554 (8'5") | 5754 (18'11") | 4977 (16'4") | 1973 (6'6") | 1800 (5'11") | 1910 (6'3") | 2320 (7'7") | 3750 (12'4") | 605 (2'0") | 1140 (3'9") |
| **WB93S-5E0** | 5880 (19'3") | 3800 (12'6") | 5830 (19'2") | 4158 (13'8") | 2454 (8'1") | 5760 (18'11") | 4850 (15'11") | 1990 (6'6") | 1950 (6'5") | 1950 (6'5") | 2420 (7'11") | 3850 (12'8") | 605 (2'0") | 1140 (3'9") |
| **WB97R-5E0** | 5933 (19'6") | 3895 (12'9") | 6011 (19'9") | 4557 (14'11") | 2760 (9'1") | 6039 (19'10") | 5270 (17'3") | 1973 (6'6") | 1800 (5'11") | 1910 (6'3") | 2320 (7'7") | 3750 (12'4") | 605 (2'0") | 1240 (3'9") |
| **WB97S-5E0** | 5856 (19'3") | 4050 (13'3") | 6100 (20'0") | 4410 (14'6") | 2655 (8'9") | 6040 (19'10") | 5050 (16'7") | 1990 (6'6") | 1950 (6'5") | 1950 (6'5") | 2420 (7'11") | 3895 (12'9") | 605 (2'0") | 1240 (3'9") |



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SECTION 7

# SKID STEER LOADERS Sec 7A

# COMPACT TRACK LOADERS Sec 7B

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SECTION 7A

# SKID STEER LOADERS

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**Specifications** ..... **7A-3**
**Dimensions** ..... **7A-4**



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- **Hydraulic servo controls**
  Easier to use, they require very little effort, while ensuring extremely precise maneuvers.

- **Komatsu CLSS**
  The hydraulic system, which automatically combines force and speed, ensures perfect control overall movements.

  Double-adjustment travel pumps, with automatic power control device (A. P. C.) and axial piston engines with double travel speed, provide above-standard performance, ensuring exceptional versatility and rapidity.

- **Comfort**
  The ease of operation, just two steps to reach the seat, the ergonomic access and the ample space inside the cab assure maximum operating comfort and maximum visibility.

- **Safety**
  The wheelbase and axle distance ensure reduced tire wear and balanced weight distribution, for safe operation on any ground. The low profile of the engine hood guarantees excellent visibility on rear part of the machine.

- **Versatility**
  The foot accelerator ensures greater control over power during operation.

  Ready for use with any equipment, the base version features an auxiliary hydraulic circuit with proportional control.

- **Super flow version**
  The Super Flow system increases the flow of oil available to the equipment, and features a draining system and electrical connections. The joysticks and proportional pedal make it possible to control all the system functions. A second hydraulic circuit is available for equipment that requires simultaneous movements.

- **Easy and quick maintenance**
  The simple opening of the engine hood makes refilling and periodical checks easy. In addition, the tilting radiators can be easily reached by simply opening the rear door.

  One lock only for the hood and the door, which together enclose and protect all service and refill points.
  - Pins with extended greasing intervals (250 hours)
  - Battery with charge gauge
  - Air filter with safety cartridge
  - Removable polyvinyl tank
  - See-through gas oil filter
  - Environmental-friendly draining systems

- **Tilting cab**
  The combined tilting of the cab, engine hood and footboard (patented system) offers complete access to all the components and allows extraordinary maintenance operations to be performed from several positions.


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| Item | Model | SK510-5 | SK714-5 | SK815-5 | SK818-5 |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | 1855 (4,090) | 2530 (5,580) | 2890 (6,370) | 2910 (6,415) |
| HORSEPOWER: | | | | | |
| ISO 9247 (net engine power) | kW (HP)/rpm | 22.5 (30.2)/2800 | 33.6 (45.1)/2800 | 35.2 (47.2)/2800 | 33.6 (45.1)/2800 |
| BUCKET CAPACITY | $m^3$ (cu.yd) | 0.23 (0.30) | 0.35 (0.46) | 0.4 (0.52) | 0.4 (0.52) |
| PERFORMANCE: | | | | | |
| Rated operating capacity | kg (lb) | 455 (1,000) | 650 (1,430) | 700 (1,540) | 870 (1,920) |
| Tipping load | kg (lb) | 910 (2,010) | 1300 (2,870) | 1400 (3,090) | 1740 (3,840) |
| Travel speeds: | km/h (MPH) | | | | |
| Forward Working | | 10 (6.2) | 10.5 (6.5) | 10.5 (6.5) | 10 (6.2) |
| Trave | | | 16 (9.9) | 16 (9.9) | 16 (9.9) |
| Reverse Working | | 10 (6.2) | 10.5 (6.5) | 10.5 (6.5) | 10 (6.2) |
| Travel | | | 16 (9.9) | 16 (9.9) | 16 (9.9) |
| Turning radius* (Outside corner of bucket) | mm (ft.in) | 1700 (5'7") | 2100 (6'11") | 2015 (6'7") | 2015 (6'7") |
| DIMENSIONS*: | | | | | |
| Overall length | mm (ft.in) | 2920 (9'7") | 3200 (10'6") | 3350 (11'0") | 3350 (11'0") |
| Overall width | mm (ft.in) | 1260 (4'2") | 1550 (5'1") | 1730 (5'8") | 1730 (5'8") |
| Overall height** | mm (ft.in) | 1925 (6'4") | 1960 (6'5") | 2000 (6'7") | 2000 (6'7") |
| Wheelbase | mm (ft.in) | 825 (2'8") | 950 (3'1") | 1050 (3'5") | 1050 (3'5") |
| Treads (front and rear) | mm (ft.in) | 1010 (3'4") | 1250 (4'1") | 1385 (4'7") | 1385 (4'7") |
| ENGINE: | | | | | |
| Model | | KOMATSU 3D84E-5KFC | KOMATSU 4D88E-5KFD | KOMATSU S4D84E-6BHFD | KOMATSU 4D88E-5KFD |
| No. of cylinders- bore × stroke | mm (in) | 3-84 × 90 (3.31 × 3.54) | 4-88 × 90 (3.46 × 3.54) | 4-84 × 90 (3.31 × 3.54) | 4-88 × 90 (3.46 × 3.54) |
| Piston displacement | ltr. (cu.in) | 1.50 (91.5) | 2.19 (134) | 2.00 (122) | 2.19 (134) |
| CAPACITY: | | | | | |
| Fuel tank | ltr. (U.S. Gal) | 38.5 (10.2) | 53 (14.0) | 68 (18.0) | 47 (12.4) |

| Item | Model | SK820-5 | | | |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | 2940 (6,480) | | | |
| HORSEPOWER: | | | | | |
| SAE | kW (HP)/rpm | 35.2 (47.2)/2600 | | | |
| BUCKET CAPACITY* | $m^3$ (cu.yd) | 0.4 (0.52) | | | |
| PERFORMANCE: | | | | | |
| Rated operating capacity | kg (lb) | 900 (1,980) | | | |
| Tipping load | kg (lb) | 1800 (3,970) | | | |
| Travel speeds: | km/h (MPH) | | | | |
| Forward Working | | 10.5 (6.5) | | | |
| Travel | | 16 (9.9) | | | |
| Reverse Working | | 10.5 (6.5) | | | |
| Travel | | 16 (9.9) | | | |
| Turning radius* (Outside corner of bucket) | mm (ft.in) | 2015 (6'7") | | | |
| DIMENSIONS*: | | | | | |
| Overall length | mm (ft.in) | 3350 (11'0") | | | |
| Overall width | mm (ft.in) | 1730 (5'8") | | | |
| Overall height** | mm (ft.in) | 2000 (6'7") | | | |
| Wheelbase | mm (ft.in) | 1050 (3'5") | | | |
| Treads (front and rear) | mm (ft.in) | 1385 (4'7") | | | |
| ENGINE: | | | | | |
| Model | | KOMATSU S4D84E-6BMFD | | | |
| No. of cylinders- bore × stroke | mm (in) | 4-84 × 90 (3.31 × 3.54) | | | |
| Piston displacement | ltr. (cu.in) | 2.00 (122) | | | |
| CAPACITY: | | | | | |
| Fuel tank | ltr. (U.S. Gal) | 68 (18.0) | | | |

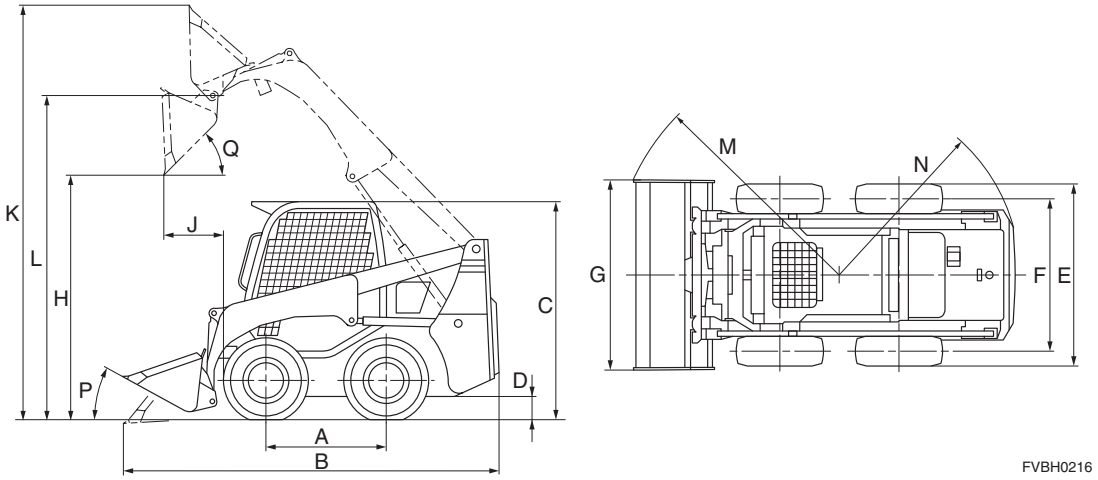
* With standard tires and bucket
** Height to top of the cab



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| Item | Model | SK510-5 | SK714-5 | SK815-5 | SK818-5 |
|---|---|---|---|---|---|
| A: Wheel base | mm (ft.in) | 825 (2'8") | 950 (3'1") | 1050 (3'5") | 1050 (3'5") |
| B: Overall length | mm (ft.in) | 2920 (9'7") | 3200 (10'6") | 3350 (11'0") | 3350 (11'0") |
| C: Overall height | mm (ft.in) | 1925 (6'4") | 1960 (6'5") | 2000 (6'6") | 2000 (6'6") |
| D: Ground clearance | mm (in) | 185 (7.3") | 210 (8.3") | 210 (8.3") | 210 (8.26") |
| E: Width over tires | mm (ft.in) | 1235 (4'1") | 1520 (5'0") | 1660 (5'5") | 1660 (5'5") |
| F: Tread | mm (ft.in) | 1010 (3'4") | 1250 (4'1") | 1385 (4'7") | 1385 (4'5") |
| G: Bucket width | mm (ft.in) | 1260 (4'2") | 1550 (5'1") | 1730 (5'8") | 1730 (5'7") |
| H: Dumping clearance, max. height | mm (ft.in) | 2080 (6'10") | 2140 (7'0") | 2190 (7'2") | 2280 (7'5") |
| J : Reach at max. height | mm (ft.in) | 410 (1'4") | 510 (1'8") | 530 (1'9") | 775 (2'6") |
| K: Operating height (fully raised) | mm (ft.in) | 3485 (11'5") | 3630 (11'11") | 3730 (12'3") | 3820 (12'6") |
| L : Hinge pin height, max. height | mm (ft.in) | 2710 (8'11") | 2850 (9'4") | 2920 (9'7") | 3000 (9'10") |
| M: Turning radius at bucket corner | mm (ft.in) | 1700 (5'7") | 2100 (6'11") | 2015 (6'7") | 2015 (6'7") |
| N: Turning radius at rear tail corner | mm (ft.in) | 1410 (4'8") | 1340 (4'5") | 1615 (5'4") | 1665 (5'5") |
| P: Tilt back angle, carry position | degree | 37 | 30 | 30 | 30 |
| Q: Dump angle, max. height | degree | 38 | 45 | 45 | 45 |

| Item | Model | SK820-5 | | | |
|---|---|---|---|---|---|
| A: Wheel base | mm (ft.in) | 1050 (3'5") | | | |
| B: Overall length | mm (ft.in) | 3350 (11'0") | | | |
| C: Overall height | mm (ft.in) | 2000 (6'7") | | | |
| D: Ground clearance | mm (in) | 210 (8.3") | | | |
| E: Width over tires | mm (ft.in) | 1660 (5'5") | | | |
| F: Tread | mm (ft.in) | 1385 (4'6") | | | |
| G: Bucket width | mm (ft.in) | 1730 (5'8") | | | |
| H: Dumping clearance, max. height | mm (ft.in) | 2280 (7'5") | | | |
| J : Reach at max. height | mm (ft.in) | 775 (2'7") | | | |
| K: Operating height (fully raised) | mm (ft.in) | 3820 (12'6") | | | |
| L : Hinge pin height, max. height | mm (ft.in) | 3000 (9'10") | | | |
| M: Turning radius at bucket corner | mm (ft.in) | 2015 (6'7") | | | |
| N: Turning radius at rear tail corner | mm (ft.in) | 1667 (5'6") | | | |
| P: Tilt back angle, carry position | degree | 30 | | | |
| Q: Dump angle, max. height | degree | 45 | | | |



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SECTION 7B

# COMPACT TRACK LOADERS

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**Features** ..... **7B-2**
**Specifications** ..... **7B-3**
**Dimensions** ..... **7B-4**



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- **Hydraulic servo-controls**
  The PPC servo-controls make the machines extremely user friendly: natural movements and unique efficiency come with minimum effort. The right joystick controls the arm and the bucket, while the left one controls the transmission.

- **Versatility**
  Thanks to the wide supporting surface the tracks offer, the CKs can efficiently work on any type of soil, including mud and snow, thus minimizing downtime related to bad weather. Furthermore, as the ground pressure is much lower than the one characterizing the wheeled versions, these machines can work at their best even on yielding soil, such as sand.

- **The tracks**
  The tracks ensure exceptional stability and traction force on all types of soil. The wide base gives excellent stability to the machine and strongly reduces vibrations and increases operator comfort. The hard steel ensures high resistance to all parts which are most subject to wear, such as gears, rollers and idlers. At the same time, a bigger section and multiple rubber covered steel reinforcements ensure extended duration to the shoes.




- **Two speeds**
  The second speed, which is standard, pushes the up to a 12 km/h top speed and drastically reduces the transfer times within the yard, thus increasing the productivity. The first speed is used while digging or climbing, whenever maximum drawbar pull is required.






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| Item | Model | CK20-1 | CK25-1 | | |
|---|---|---|---|---|---|
| OPERATING WEIGHT* | kg (lb) | 3750 (7,870) | 3820 (8,420) | | |
| HORSEPOWER: | | | | | |
| SAE | kW (HP)/rpm | 51.8 (69.5)/2500 | 51.8 (69.5)/2500 | | |
| BUCKET CAPACITY* | $m^3$ (cu.yd) | 0.4 (0.52) | 0.4 (0.52) | | |
| PERFORMANCE: | | | | | |
| Rated operating capacity | kg (lb) | 930 (2,050) | 1000 (2,200) | | |
| Tipping load | kg (lb) | 2660 (5,860) | 2860 (6,310) | | |
| Travel speeds: | km/h (MPH) | | | | |
| Forward Working | | | | | |
| Trave | | 12.0 (7.5) | 12.0 (7.5) | | |
| Reverse Working | | | | | |
| Travel | | 12.0 (7.7) | 12.0 (7.7) | | |
| Turning radius* | mm (ft.in) | 2100 (6'11") | 2100 (6'11") | | |
| (Outside corner of bucket) | | | | | |
| Ground pressure | $kg/cm^2$ (PSI) | 0.37 (5.26) | 0.37 (5.26) | | |
| DIMENSIONS*: | | | | | |
| Overall length | mm (ft.in) | 3375 (11'1") | 3375 (11'1") | | |
| Overall width | mm (ft.in) | 1730 (5'8") | 1730 (5'8") | | |
| Overall height** | mm (ft.in) | 2070 (6'10") | 2070 (6'10") | | |
| Length of track on ground | mm (ft.in) | 1450 (4'9") | 1450 (4'9") | | |
| Track gauge | mm (ft.in) | 1350 (4'5") | 1350 (4'5") | | |
| Shoe width | mm (in) | 320 (12.6) | 320 (12.6) | | |
| ENGINE: | | | | | |
| Model | | KOMATSU 4D98E-2 | KOMATSU 4D98E-2 | | |
| No. of cylinders- | mm (in) | 4-98 × 110 | 4-98 × 110 | | |
| bore × stroke | | (3.85 × 4.33) | (3.85 × 4.33) | | |
| Piston displacement | ltr. (cu.in) | 3.32 (203) | 3.32 (203) | | |
| CAPACITY: | | | | | |
| Fuel tank | ltr. (U.S. Gal) | 64 (16.9) | 64 (16.9) | | |

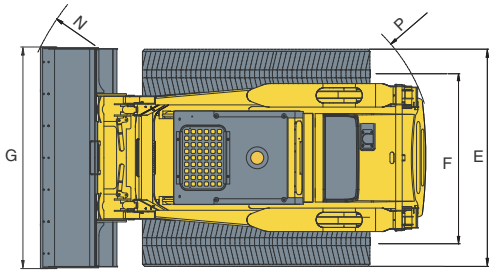
* With standard shoe and bucket
** Height to top of the cab

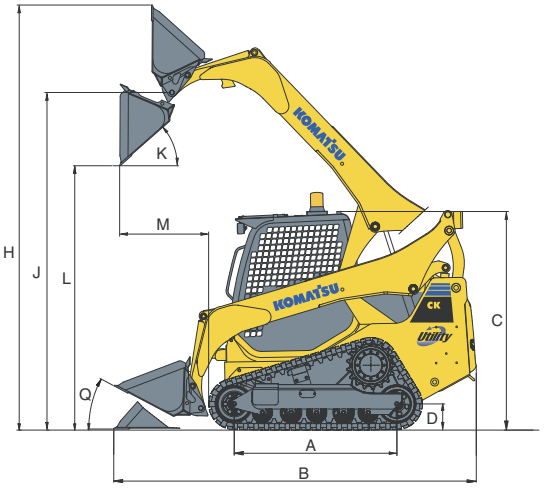


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| Item | Model | CK20-1 | CK25-1 | | |
|---|---|---|---|---|---|
| A: Length of track on ground | mm (ft.in) | 1450 (4'9") | 1450 (4'9") | | |
| B: Overall length | mm (ft.in) | 3375 (11'1") | 3375 (11'1") | | |
| C: Overall height | mm (ft.in) | 2070 (6'1") | 2070 (6'1") | | |
| D: Ground clearance | mm (in) | 240 (9.4") | 250 (9.8") | | |
| E: Width over track | mm (ft.in) | 1670 (5'6") | 1670 (5'6") | | |
| F: Track gauge | mm (ft.in) | 1350 (4'5") | 1350 (4'5") | | |
| G: Bucket width | mm (ft.in) | 1730 (5'8") | 1730 (5'8") | | |
| H: Operating height (fully raised) | mm (ft.in) | 3750 (12'4") | 3820 (12'6") | | |
| J : Hinge pin hight, max. height | mm (ft.in) | 2960 (9'9") | 3010 (9'11") | | |
| K: Dump angle at max. height | degree | 46 | 47 | | |
| L : Dumping clearance | mm (ft.in) | 2190 (7'2") | 2270 (7'5") | | |
| M: Reach at max. height | mm (ft.in) | 620 (2'0") | 450 (1'6") | | |
| N: Turning radius at bucket corner | mm (ft.in) | 2100 (6'11") | 2100 (6'11") | | |
| P: Turning radius at rear tail corner | mm (ft.in) | 1450 (4'9") | 1530 (5'0") | | |
| Q: Tilt back angle, carry position | degree | 28 | 28 | | |



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SECTION 8

# MOBILE CRUSHERS & RECYCLERS Sec 8A

# MOBILE SOIL RECYCLERS Sec 8B

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SECTION 8A

# MOBILE CRUSHERS & RECYCLERS

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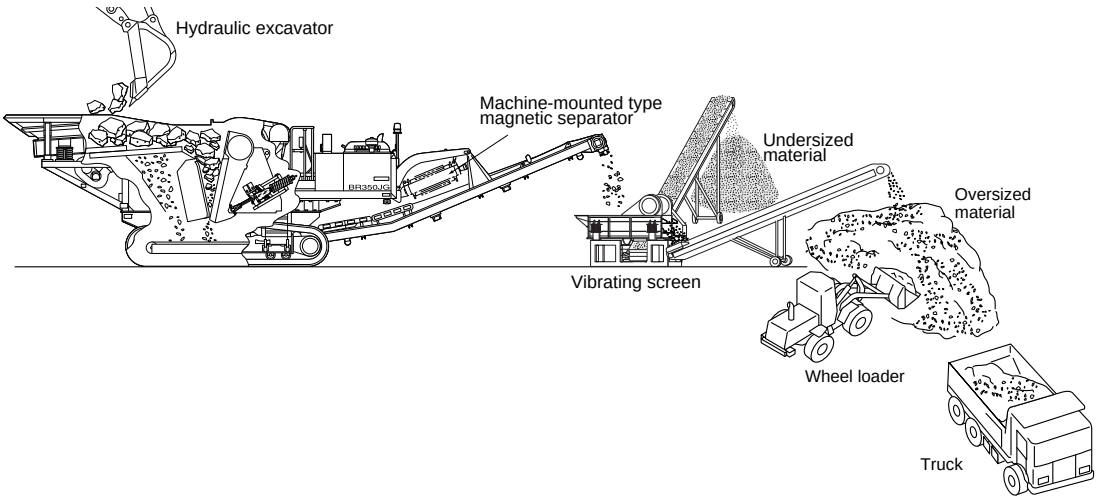


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## Benefits Of Mobile Crusher & Recycler

1. Demolished wasted material (concrete, asphalt, brick, etc.) can be re-used effectively.
2. As the wasted material can be utilized again, the cost for purchasing new material can be saved.
3. The cost for hauling and dumping (of the wasted material) with trucks can be minimized.
4. Even when the processed material should be used outside, the transportation cost can be much saved. (because of the compactness of the material)
5. The elimination of the trucking also offers less generation of the exhaust gas.
6. The machine can be used whenever and wherever you like because of its mobility.





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## ■ Jaw crusher, with superior crushing force and reliability, is installed. (BR100JG, BR380JG, BR580JG)

- Natural rock, concrete, asphalt concrete, etc., can be crushed with strong force.

## ■ Easy transportation and superb maneuverability

- Compact crawler undercarriage is adopted, facilitating job site access/exit.

## ■ Semi-Automatic Material Feeding Control is installed

- The Komatsu original controller optimizes material feeding amount to the crusher.
- Plate feeder with speed controller keeps the operation of crusher uniform and stabilized. Thus, unmanned operation is possible.
  (BR100JG, BR380JG, BR580JG)

## ■ Simple control and easy operation

- Raising/lowering of belt conveyor and removal of foreign materials are easy.
  Crushing work is facilitated by preventive functions of macadam accumulation and debris clogging.
  (BR100JG, BR380JG, BR580JG)

## ■ Options for more effective system

- Ample powered hydraulic-driven optional equipment is available, such as a magnetic separator (chassis mounted), vibratory screen and secondary/tertiary belt conveyors etc., to provide an effective system.

## ■ Low-noise and low vibration design

- Low-noise type engine; sound absorbing material; low-speed high-torque type hydraulic pump; soundproof muffler, etc., are adopted. Thus, overall noise level is low.

## ■ Highly reliable hydraulic drive system

- Crusher, feeder and belt conveyor are driven respectively by independent hydraulic pumps, assuring high reliability and easy maintenance.


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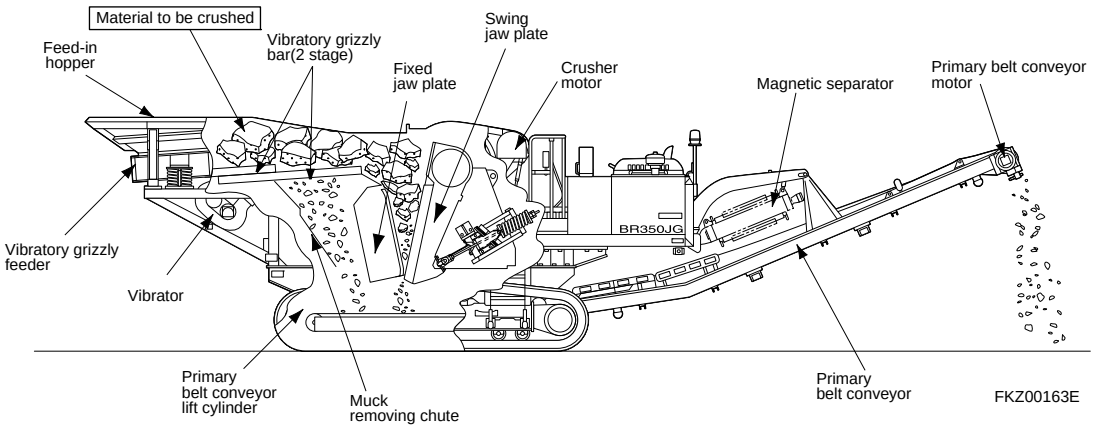

Komatsu mobile crushers are classified into 3 types.

The jaw crusher can crush large blocks and is suitable for crushing concrete debris and natural stone. It has a swing jaw plate and fixed jaw plate. Those jaw plates crunch material.

The impact crusher is used for secondary crushing and granulation of asphalt, concrete debris, and natural stone. It produces round grains in many cases and is suitable for production of relatively fine grains. The blocks put in the impact crusher are thrown in the tangential direction by the blow bar of the rotor which is rotating at high speed and are crushed by collision with the impact plate. They are also crushed by collision with each other.

The shear shreds industrial waste as well as bulky domestic refuse to reduce its volume, thereby contributing to extending the service life of disposal sites.

[JAW CRUSHER]





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| Item | Model | JAW CRUSHER | | |
|---|---|---|---|---|
| | | BR100JG-2 | BR380JG-1E0 | BR580JG-1 |
| MATERIAL | CONCRETE | ⊙ | ⊙ | ⊙ |
| | NATURAL ROCK, STONE | ⊙ | ⊙ | ⊙ |
| | ASPHALT | ○ | ○ | |
| | WOOD, TIRE, URBAN WASTE | | | |
| MAXIMUM FEED SIZE mm | CONCRETE DEBRIS | 600 × 500 × 300 | 1000 × 900 × 475 | 1200 × 950 × 600 |
| | NATURAL ROCK, STONE | 250 × 250 × 250 | 425 × 425 × 425 | 600 × 600 × 600 |
| CRUSHER OUTPUT mm | | 0-40 to 0-80**<br>0-50 to 0-80*** | 0-50 to 0-150**<br>0-50 to 0-150*4 | 0-55 to 0-200**<br>0-100 to 0-200*** |
| CRUSHING CAPACITY ton/h | | 18-56**<br>20-54*** | 60-175**<br>50-240*4 | 100-460**<br>130-400*** |

* Asphalt/concrete debris
** Concrete debris
*** Natural stone (Andesite)
*4 Natural stone (Sandstone)

**NOTE:** Crushing capacity contains muck.



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| Item | Model | Jaw crusher | | |
|---|---|---|---|---|
| | | BR100JG-2 | BR380JG-1E0 | BR580JG-1 |
| OPERATING WEIGHT | kg (lb) | 9900 (21,830) | 34000 (74,960) | 49000 (108,000) |
| HORSEPOWER:<br>SAE J1995: Gross<br>ISO9249/SAE J1349: Net | <br>kW(HP)/rpm<br>kW(HP)/rpm | <br><br>40.5 (54)/2100 | <br>149 (200)/2050<br>140 (187)/2050 | <br>262.5 (352)/1900<br>257 (345)/1900 |
| PERFORMANCE:<br>Max. feed-in grain size<br><br>Travel speed | <br>mm (in)<br><br>km/h (MPH) | Concrete debris<br>600×500×300<br>(23.6×19.7×11.8)<br>2.5 (1.6) | Concrete debris<br>475×900×1000<br>(18.7×35.4×39.4)<br>3.0 (1.9) | <br>600×950×1200<br>(23.6×37.4×47.2)<br>3.0 (1.9) |
| CRUSHER:<br>Crushing capacity<br>Concrete debris<br><br>Natural stones | <br><br>ton (U.S.ton)/h | <br><br>18 ~ 56<br>(20 ~ 62)<br>20 ~ 54*<br>(33 ~ 60) | <br><br>60 ~ 175<br>(66 ~ 193)<br>50 ~ 240**<br>(55 ~ 265) | <br><br>110 ~ 460<br>(121 ~ 507)<br>180 ~ 400<br>(198 ~ 441) |
| ENGINE:<br>Model<br>No. of cylinders-<br>bore × stroke<br>Piston displacement | <br><br>mm<br>(in)<br>ltr. (cu.in) | KOMATSU<br>4D95LE<br>4-95×115<br>(3.74×4.53)<br>3.26 (199) | KOMATSU<br>SAA6D107E-1<br>6-107×124<br>(4.21×4.88)<br>6.69 (408) | KOMATSU<br>SAA6D125E-5<br>6-125×150<br>(4.92×5.91)<br>11.04 (674) |
| DIMENSIONS:<br>Overall length*4<br>Overall height (transport)<br>Overall width (transport)<br>Length of track on ground<br>Track gauge | <br><br>mm (ft.in) | <br>8070 (26'6")<br>2700 (8'10")<br>2200 (7'3")<br>2115 (6'11")<br>1700 (5'7") | <br>12500 (41'0")<br>3200 (10'6")<br>2810 (9'3")<br>3275 (10'9")<br>2280 (7'6") | <br>14540 (47'8")<br>3820 (12'6")<br>3090 (10'2")<br>3700 (12'2")<br>2480 (8'2") |
| CAPACITY:<br>Fuel tank<br>Hydraulic tank | <br>ltr. (U.S. Gal) | <br>130 (34.3)<br>90 (23.8) | <br>400 (106)<br>209 (55.2) | <br>650 (172)<br>248 (65.5) |
| Applicable base machine (Engine/undercarriage) | | PC60-7/PC58UU-3 | PC200-7 | |

* Andesite
** Sand stones
*** Concrete debris
*4 Including conveyor

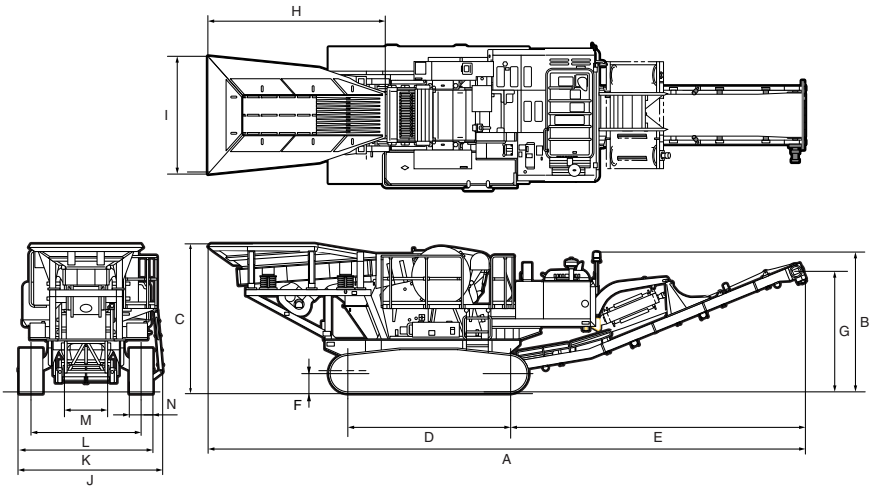
**NOTE:** Crushing capacity is the sum of crushed volume and muck removal by the Vibratory Grizzly Feeder.



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Unit: mm (ft.in)

| | BR100JG-2 | BR380JG-1E0 | BR580JG-1 |
|---|---|---|---|
| A | 8070 (26'6") | 12500 (41'0") | 14540 (47'8") |
| | 8070* (26'6") | 12500* (41'0") | 14495* (47'7") |
| B | 2700 (8'10") | 3200 (10'6") | 3465 (11'4") |
| C | 2515* (8'3") | 3200* (10'6") | 3365* (11'0") |
| | 2515 (8'3") | 3200 (10'6") | 3820 (12'6") |
| D | 2115 (6'11") | 3275 (10'9") | 3700 (12'2") |
| E | 3795 (12'5") | 6080 (20'0") | 7060 (23'2") |
| F | 205 (8") | 300 (12") | 200 (7.9") |
| G | 1500 (4'11") | 2800 (9'2") | 3000 (9'10") |
| H | 2165 (7'1") | 3770 (12'4") | 4400 (14'5") |
| I | 1840 (6') | 2500 (8'2") | 2625 (8'7") |
| J | 2345 (7'8") | — | — |
| | 2200* (7'3") | — | — |
| K | 2100 (6'11") | 2780 (9'1") | 2980 (9'9") |
| L | 1700 (5'7") | 2280 (7'6") | 2480 (8'2") |
| M | 600 (24") | 1050 (41.3") | 1050 (41.3") |
| N | 400 (16") | 500 (20") | 500 (20") |

* at transportation



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Calculation of the production capacity of a mobile crusher varies largely with the type of the crusher, properties of supplied material and rocks, quantity of muck in the material, clearance of discharge setting, rotation speed of the crusher, and size of the products required by the customer, etc.

The following are the basic elements for calculation of production capacity of each crusher.

## ■ Relationship between elements for calculation of production capacity of jaw crusher

| Production capacity | Large > Small | | Remarks |
|---|---|---|---|
| Clearance of discharge setting | Wide | Narrow | |
| Hardness of material | Soft | Hard | Hard material may crush easily |
| Ratio of muck in material (in crusher) | Low | High | |
| Wetness of material | Dry | Wet | |
| Impurities in material | Less | Many | |
| Supply rate in crusher | – | High | Efficiency becomes highest when supply rate is 60 – 70% of volume of crusher. |
| Size of material | Small | Large | |

* When recommending production capacity, confirm the properties of the rock samples from the customer's quarry by crushing them actually.


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SECTION **8B**

# MOBILE SOIL RECYCLERS

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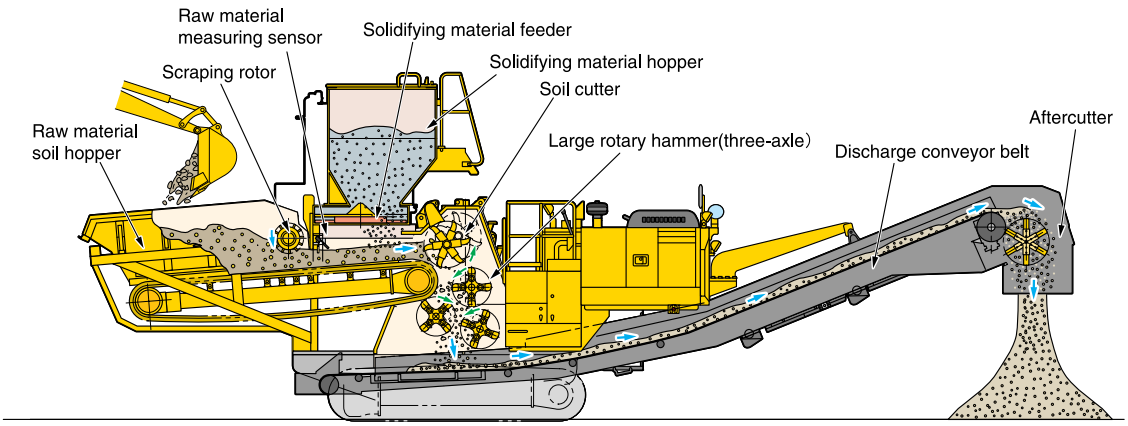


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- Waste soil in the course of various construction job site can be processed on site, allowing the soil to be recycled.
- Costs for waste soil disposing, new materials and transportation can be greatly reduced by on site recycling.






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| Item | Model | BZ210 |
|---|---|---|
| OPERATING WEIGHT | kg (lb) | 20500 (45,190) |
| HORSEPOWER | kW (HP)/RPM | 107 (144)/1950 |
| MIXER PERFORMANCE: | | |
| Processing capacity | $m^3$/h (cu.yd/h) | 40 - 150 (52 -196) |
| Mixing method | | Soil cutter and triple rotary hammer |
| Row material soil hopper volume | $m^3$ (cu.yd) | 2.0 (2.6) |
| Max. material size | mm (in) | 200 (7.9") |
| Solidifying material hopper capacity | $m^3$ (cu.yd) | 3.0 (3.9) |
| Solidifying material feed adjustment range | kg/$m^3$ (lb/cu.yd) | 9 - 400 (15 - 674) |
| ENGINE: | | KOMATSU |
| Model | | SAA6D102E |
| No. of cylinder- bore × stroke | mm | 6-102 × 120 |
| | (in) | (4.02 × 4.72) |
| Piston displacement | ltr. (cu.in) | 5.88 (359) |
| DIMENSIONS: | | |
| Overall length* | mm (ft.in) | 13210 (43'4") |
| Overall height (transport) | | 4560 (15'0") |
| Overall width (transport) | | 2850 (9'4') |
| Length of track on ground | | 2750 (9') |
| Track gauge | | 2350 (7'9') |
| CAPACITY: | | |
| Fuel tank | ltr. (U.S. Gal) | 400 (107) |
| Hydraulic tank | | 240 (63) |

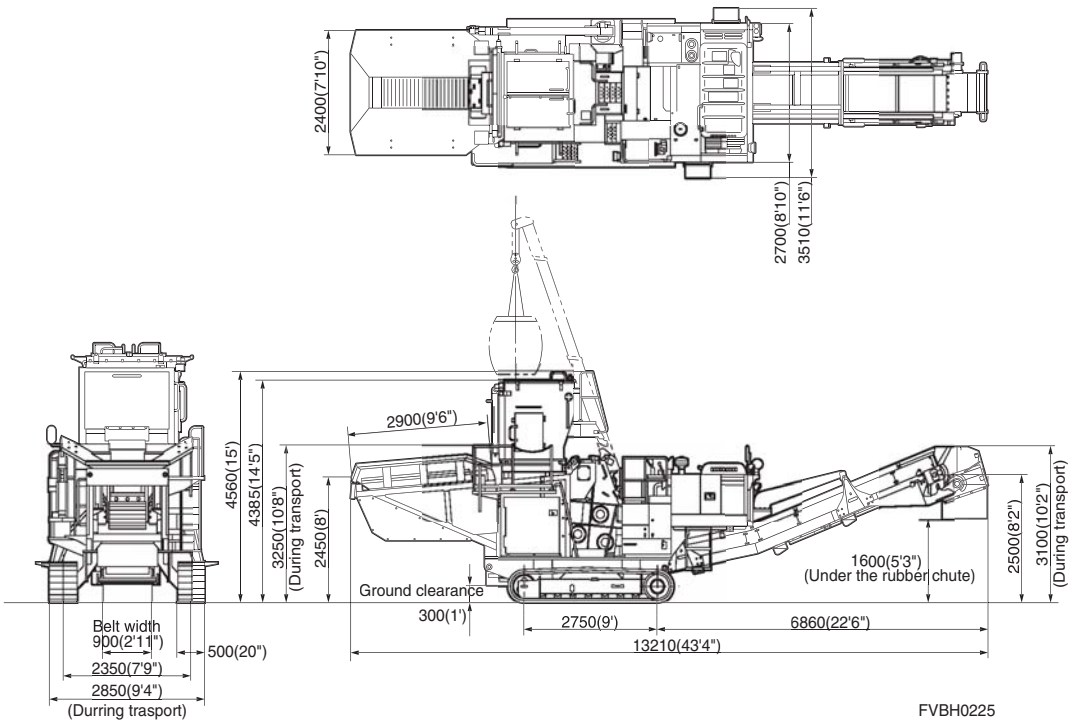
* Including conveyer



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SECTION 9

# FOREST MACHINES

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Komatsu Forest AB is an international group with its head office and technology center in Umea, Sweden. Komatsu Forest produces the Komatsu brand of forestry machines and is one of the world's largest manufacturers of forestry machines. Komatsu Forest has approximately 1,300 employees and is represented on all markets where mechanized forestry is used. The company includes the two manufacturing units Komatsu Forest AB Sweden and Komatsu Forest LLC USA. Komatsu Forest has its own sales companies in Australia, Brazil, Finland, Norway, the United Kingdom, USA, Sweden and Germany. Komatsu Forest AB is owned by the Japanese company Komatsu Ltd.

For more information about Komatsu Forest and Valmet products, visit: www.komatsuforest.com




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SECTION 9A

# HARVESTERS

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- **Powerful and efficient engine**
  Specially developed engines for forest machines. Six-cylinders turbo diesel with electronic common rail fuel injection which produces a rapid response to increased loads. As it has been specially developed for forest machines , it delivers maximum torque even at low revs. The engines has also been provided with optimized cooling with a computer-controlled fan that detects the temperature. This results in maximum performance combined with reduced fuel consumption. 941 engine fulfils EPA Tier 3 and EU Stage 3A requirements. 901, 911 and 931 fullfil EPA Tier 4 Interim and EU Stage 3B requirements utilizing SCR exhaust after treatment technology.

- **Fast and maneuverable crane**
  The cranes are simple and robust and have hydraulic or parallel action. A design with a low centre of gravity and a centrally positioned crane gives an excellent stability. The stabilizer in the rear axle is connected to the cabs and the cranes leveling. With the more lightweight harvester heads the cranes achieves a reach up to11 meters.

- **Operator comfort**
  Leveling produces extremely operator-friendly cabs, where the operator is always sitting flat. This consequently generates extraordinarily good ergonomics, which enable the driver to retain concentration throughout the shift without becoming tired. The slewing cab and the side-mounted crane means that the harvester head is always in focus and the visibility perfect. Low engine noise also contributes to the excellent comfort.

- **Easy maintenance**
  The machines are extremely operationally reliable, which minimize the stoppages. They are also easy to maintain and just about all service work can be carried out from ground level. Daily service and checkpoints are naturally easily accessable. Machines are often equipped with centralised greasing system for maximum utilisation of the components which increase durability of the products.

- **Excellent control and information system**
  The control and information system, MaxiXplorer, links together the office, the machine and industry in an effective chain. Maxi covers a large number of different programs, for example for machine control, price list management, GIS, production and working info.


901 TX 6WD


911


931


941


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| Item | Model | 901TX.1 | 911.5 | 931.1 |
|---|---|---|---|---|
| OPERATING WEIGHT (approx.)<br>6WD | kg (lb) | 16800 (37,040) | 17300 (38,140) | 19400 (42,770) |
| HORSEPOWER (DIN)<br>Gross | kW (HP)/rpm | 150 (204)/1900 | 170 (228)/1700 | 193 (259)/1700 |
| PERFORMANCE:<br>Traction force<br><br>Travel speed Hi<br>Lo | kN<br>kgf (lbf)<br>km/h (MPH) | 152<br>15500 (34,180)<br>0 – 25 (15.5)<br>— | 162<br>16520 (36,430)<br>0 – 25 (15.5)<br>— | 175<br>17850 (39,350)<br>0 – 25 (15.5)<br>— |
| ENGINE:<br>Model<br>Torque | <br><br>Nm/rpm | AGCO SISU Power<br>66AWI<br>950/1200-1500 | AGCO SISU Power<br>74AWI<br>1000/1200-1500 | AGCO SISU Power<br>74AWI<br>1100/1500 |
| HYDRAULIC SYSTEM:<br>Hydraulic pump<br>Max. flow<br>Working pressure | <br>ltr. (U.S.Gal)/min.<br>MPa (PSI) | <br>Variable capacity<br>270 (71.3)<br>24.8 (3597) | <br>Variable capacity<br>310 (81.9)<br>25 (3625) | <br>Variable capacity<br>313 (91)/1650<br>27 (3916) |
| CRANE (BOOM):<br>Model<br>Reach with harvester head<br><br>Lifting moment, gross<br>Slewing torque, gross | <br>m<br>(ft.in)<br>kNm (lbf-ft)<br>kNm (lbf-ft) | <br>CRH16/CRH16DT<br>10/11<br>(32'10"/36'1")<br>170 (125,386)<br>40.8 (30,110) | <br>CRH18/CRH18DT<br>10/11<br>(32'10"/36'1")<br>186.0 (137,190)<br>40.8 (30,090) | <br>CRH22;9.8m/8.5m<br>9.8/8.5<br>(32'2"/27'11")<br>217 (160,100)<br>47 (34,670) |
| WHEEL & AXLES<br>Front<br><br><br>Rear | | <br>650/45 × 24.5<br>710/40 × 24.5<br><br>650/45 × 24.5<br>710/45 × 24.5 | <br>600/55 × 26.5<br>710/45 × 26.5<br><br>600/65 × 34<br>700/55 × 34<br>710/55 × 34 | <br>600/55 × 26.5<br>710/45 × 26.5<br><br>600/65 × 34<br>700/55 × 34 |
| CAPACITY (Refilled)<br>Fuel tank | ltr. (U.S. Gal) | 370 (98) | 370 (98) | 370 (98) |
| Application Harvester Head | | Komatsu 340<br>Komatsu 350.1 | Komatsu 350.1<br>Komatsu 360.2<br>Komatsu 365 | Komatsu 360.2<br>Komatsu 365<br>Komatsu 370.2 |

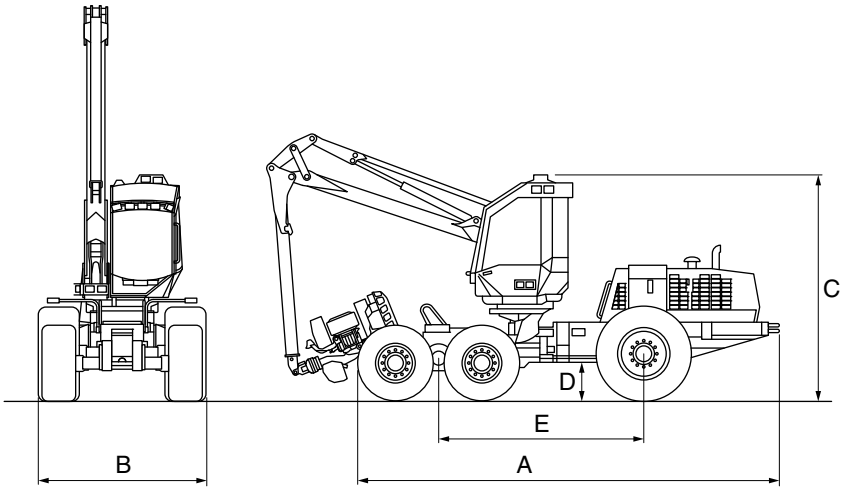
| Item | Model | 941.1 | | |
|---|---|---|---|---|
| OPERATING WEIGHT (approx.)<br>6WD | kg (lb) | 23500 (51,800) | | |
| HORSEPOWER (DIN)<br>Gross | kW (HP)/rpm | 210 (285)/1600 | | |
| PERFORMANCE:<br>Traction force<br><br>Travel speed Hi<br>Lo | kN<br>kgf (lbf)<br>km/h (MPH) | 190<br>19370 (42,700)<br>0 – 25 (15.5)<br>— | | |
| ENGINE:<br>Model<br>Torque | <br><br>Nm/rpm | AGCO SISU Power<br>84CTA<br>1300/1500 | | |
| HYDRAULIC SYSTEM:<br>Hydraulic pump<br>Max. flow<br>Working pressure | <br>ltr. (U.S.Gal)/min.<br>MPa (PSI) | <br>Variable capacity<br>346 (91)<br>26 (3843) | | |
| CRANE (BOOM):<br>Model<br>Reach with harvester head<br><br>Lifting moment, gross<br>Slewing torque, gross | <br>m<br>(ft.in)<br>kNm (lbf-ft)<br>kNm (lbf-ft) | <br>CRH24;10m/CRH24;8m<br>10/8.1<br>(32'10"/26'7")<br>273 (201,300)<br>51 (37,600) | | |
| WHEEL & AXLES<br>Front<br><br><br>Rear | | <br>650/65 × 26.5<br>750/55 × 26.5<br><br>700/70 × 34 | | |
| CAPACITY (Refilled)<br>Fuel tank | ltr. (U.S. Gal) | 550 (145) | | |
| Application Harvester Head | | Komatsu 370.2<br>Komatsu 370E | | |



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| Item | | Model | 901TX.1 | 911.5 | 931.1 | 941.1 |
|---|---|---|---|---|---|---|
| **A** Length | | mm (ft.in) | 7065 (23'2") | 7170 (23'6") | 7360 (24'2") | 8075 (26'6") |
| **B** Width | Min.<br>Max. | mm (ft.in) | 2735 (9'0")<br>2895 (9'6") | 2730 (8'11")<br>2940 (9'8") | 2730 (8'11")<br>2940 (9'8") | 2980 (9'9")<br>3180 (10'5") |
| **C** Height | | mm (ft.in) | 3735 (12'3") | 3740 (12'3") | 3910 (12'10") | 3995 (13'1") |
| **D** Ground clearance | | mm (ft.in) | 635 (2'1") | 650 (2'2") | 665 (2'2") | 650 (2'2") |
| **E** Wheel base | | mm (ft.in) | 3500 (11'6") | 3500 (11'6") | 3700 (12'2") | 4025 (13'2") |



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## Installation kit for Komatsu harvester heads on Komatsu PC200, PC210 and PC228

Komatsu installation system makes it easy to fit harvester heads to excavators. The kit provides a well-proven and complete solution that easily and inexpensively transforms an excavator into an efficient forestry machine.

The system is especially designed for Komatsu excavators and works with all harvester heads in the Komatsu 300 series. The kit includes complete installation instructions, with hydraulics and electrical diagrams. The thorough documentation ensures high reliability and simplifies troubleshooting.

The installation kit provides rapid access to all necessary components, including the mounting adapter, the hydraulic lines and the electrical circuits. In addition, the kit includes important details for increased operator safety.





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## MEMO



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SECTION 9B

# FORWARDERS

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- **Powerful engines and a great pulling force**
  Six-cylinders (four in 830.3 and 840TX) turbo diesel with electronic common rail fuel injection. The engines has been specially designed for tough forest work and delivers a powerful torque even at lower revs. This produces good traction even with a full load, with an impressive pulling force. 830.3 and 840TX engines fulfil EPA Tier 3 and EU Stage 3A requirements. 855, 865 and 895 fullfil EPA Tier 4 Interim and EU Stage 3B requirements utilizing SCR exhaust after treatment technology.

- **High stability and mobility**
  Komatsu well-known, back-to-front center pivot, with the steering joint in the front frame and the articulation in the rear frame provide the machine with extraordinary stability. Very good off-road properties means full use of the machines speed, even in sensitive forests. It creeps forward, following its tracks back and forth, and does not cut corners. The very low centre of gravity, high ground clearance and external dimensions, all contribute to the machines accessibility.

- **Outstanding loader**
  Strong and fast loaders with up to 8.5 m (27'11") reach. Great reliability is ensured by the outer boom and lift cylinders, the hose routing and the hose routing between the machine and the crane. Crane maneuvering is smooth thanks to limit dampening. The crane tip solution, Komatsu ProTec means a completely protected hose passage in the crane tip between the crane and grapple and a braking technique that effectively dampens grapple swing.

- **Impressive load capacity**
  Komatsu forwarders are true workmates and real pack mules with right qualities to guarantee high productivity. The chassis is of a sturdy design, dimensioned for high tonnages. The load capacity is up to 20 tons and equipped the bunk system, LoadFlex, provides an extra 1.4 m (4'7") bunk width.

- **Optimized comfort**
  The cabs are ergonomically designed down to smallest detail. Visibility is always good, whether loading, driving or unloading. Everything is close at hand for the operator, even though the cab is unusually spacious inside. Komatsu cabs are known for low noise and vibration levels. A good operator environment allows operators to concentrate better throughout their work shifts and remain highly productive.

- **Intelligent control and information system**
  Komatsu forwarders are fitted with the intelligent and easy-to-use MaxiXplorer control system. It controls all interaction between the machine, the transmission and the crane and ensures that the operator always get the most out of the machine. Operating data collection and production reports are included in the system, which even provides information about forwarders status, running time and total production volume.


830


840TX 8WD/6WD


855 8WD/6WD


865 8WD/6WD


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| Item | | Model | 830.3 | 840TX | 855 |
|---|---|---|---|---|---|
| OPERATING WEIGHT (approx.) | | | | | |
| 6WD | | kg (lb) | — | 13800 (30,420) | 15900 (35,030) |
| 8WD | | | 10500 (23,150) | 14800 (32,630) | 17700 (39,020) |
| HORSEPOWER (DIN) | | | | | |
| Gross | | kW (HP)/rpm | 107 (145)/2000 | 129 (175)/2000 | 150 (201)/1500-1900 |
| PERFORMANCE: | | | | | |
| Gross load | | kgf (lbf) | 9000 (19,850) | 12000 (26,460) | 13000 (28,660) |
| Bunk area | | $m^2$ (sq ft) | 3.4 - 4.1 (36.6 - 44) | 3.2 - 4.1 (34.4 - 44.1) | 3.2 - 4.1 (34.4 - 44.1) |
| Traction power | | kN | 110 | 155 | 164 |
| | | kgf (lbf) | 11220 (24,730) | 15810 (34,860) | 16720 (36,855) |
| Travel speed | Hi | km/h (MPH) | 0 – 25 (15) | 0 - 23 (14.3) | 0 - 20/23 (12.5/14.3)* |
| | Lo | | — | — | — |
| ENGINE: | | | | | |
| Model | | | AGCO SISU Power 44CWA | AGCO SISU Power 49CWA | AGCO SISU Power 66AWI |
| Torque | | Nm/rpm | 600/1400 | 750/1500 | 950/1200 - 1500 |
| HYDRAULIC SYSTEM: | | | | | |
| Hydraulic pump | | ltr. (U.S.Gal)/ min. | Variable capacity 170 (45) | Variable capacity 290 (76.6) | Variable capacity 290 (76.6) |
| Max. flow | | MPa (PSI) | 23.5 (3,410) | 23.5 (3,410) | 23.5 (3,410) |
| Working pressure | | | | | |
| LOADER AND GRAPLE | | | | | |
| Loader | | | CRF5 | CRF 8.1 | CRF 8.1 |
| Lifting torque, gross | | kNm (lbf·ft) | 74 (54,600) | 106.1 (78,300) | 106.1 (78,300) |
| Slewing torque, gross | | kNm (lbf·ft) | 22 (16,150) | 28.7 (21,170) | 28.7 (21,170) |
| Reach | | m (ft.in) | 6.85 (22'6") | 7.8 (25'7") | 7.8 (25'7") |
| Grapple | | | Komatsu G25 | Komatsu G28 | Komatsu G28 |
| WHEEL & AXLES | | | | | |
| 6WD front | | | — | 710/55 × 34 | 600/65 × 34 |
| | | | | 600/65 × 34 | 700/55 × 34 |
| | | | | | 710/55 × 34 |
| 6WD rear | | | — | 710/40 × 24.5 | 600/55 × 26.5 |
| | | | | 650/45 × 24.5 | 710/45 × 26.5 |
| 8WD front | | | 600/50 × 22.5 | 710/40 × 24.5 | 600/55 × 26.5 |
| | | | 650/45 × 22.5 | 650/45 × 24.5 | 710/45 × 26.5 |
| 8WD rear | | | 700/45 × 22.5 | 710/40 × 24.5 | 600/55 × 26.5 |
| | | | 710/40 × 22.5 | 650/45 × 24.5 | 710/45 × 26.5 |
| Turning radius | 6WD | mm (ft.in) | — | — | — |
| | 8WD | | 6656 (21'10") | 7662 (25'2") | 8200 (26'11") |
| CAPACITY (Refilled) | | | | | |
| Fuel tank | | ltr. (U.S.Gal) | 100 (26.4) | 160 (42.3) | 165 (43.6) |

* Without/with steering wheel



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| Item | Model | 865 | 890.3 | |
|---|---|---|---|---|
| OPERATING WEIGHT (approx.)<br>6WD<br>8WD | kg (lb) | <br>17100 (37,700)<br>18900 (41,670) | <br>16800 (37,040)<br>19100 (42,110) | |
| HORSEPOWER (DIN)<br>Gross | kW (HP)/rpm | <br>158 (212)/1500-1900 | <br>170 (231)/1700 | |
| PERFORMANCE:<br>Gross load<br>Bunk area<br><br>Traction power<br><br>Travel speed Hi<br>Lo | <br>kgf (lbf)<br>$m^2$ (sq ft)<br><br>kN<br>kgf (lbf)<br>km/h (MPH) | <br>15000 (33,070)<br>3.3 - 4.5<br>(35.5 - 48.4)<br>193<br>19670 (39150)<br>0 - 20/23 (12.5/14.3)*<br>— | <br>18000 (39,680)<br>5.6 - 6.0<br>(60.3- 64.6)<br>207<br>21100 (46535)<br>0 - 25 (15.5)<br>— | |
| ENGINE:<br>Model<br>Torque | <br><br>Nm/rpm | <br>AGCO SISU Power 74AWI<br>1000/1500 | <br>AGCO SISU Power 74CTA<br>1000/1500 | |
| HYDRAULIC SYSTEM:<br>Hydraulic pump<br>Max. flow<br>Working pressure | <br>ltr. (U.S.Gal)/ min.<br>MPa (PSI) | <br>Variable capacity<br>290 (76.6)<br>26 (3,770) | <br>Variable capacity<br>340 (89.8)<br>23.5 (3,410) | |
| LOADER AND GRAPLE<br>Loader<br>Lifting torque, gross<br>Slewing torque, gross<br>Reach<br><br>Grapple | <br><br>kNm (lbf·ft)<br>kNm (lbf·ft)<br>m (ft.in) | <br>CRF11<br>126 (92900)<br>28.7 (21170)<br>7.8<br>(25'7")<br>Komatsu G28 | <br>CRF14<br>155 (114300)<br>41.3 (30460)<br>7.5<br>(24'7")<br>Komatsu G36 | |
| WHEEL & AXLES<br>6WD front<br><br><br>6WD rear<br><br><br>8WD front<br><br><br>8WD rear<br><br><br>Turning radius 6WD<br>8WD | <br><br><br><br><br><br><br><br><br><br><br><br>mm (ft.in) | <br>600/65 × 34<br>700/55 × 34<br>710/55 × 34<br>600/55 × 26.5<br>710/45 × 26.5<br><br>600/55 × 26.5<br>710/45 × 26,5<br><br>600/55 × 26.5<br>710/45 x 26.5<br><br>—<br>8248 (27'1") | <br>700/70 × 34<br><br><br>650/65 × 26.5<br>750/55 × 26.5<br>750/55 × 30.5<br>650/65 × 26.5<br>750/55 × 26.5<br>750/45 × 30.5<br>650/65 × 26.5<br>750/55 × 26.5<br>750/45 × 30.5<br>9147 (30'0")<br>9295 (30'6") | |
| CAPACITY (Refilled)<br>Fuel tank | <br>ltr. (U.S.Gal) | <br>165 (43.6) | <br>210 (55.5) | |

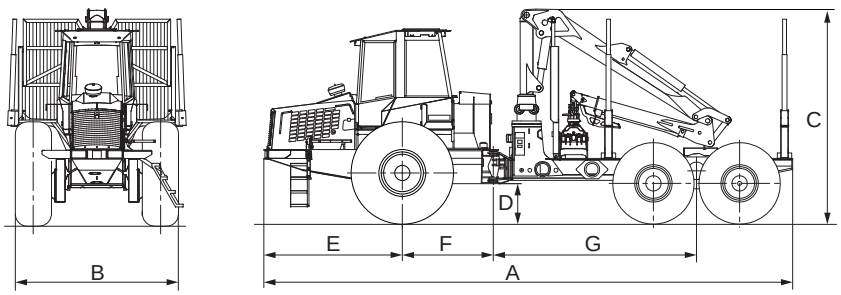
* Without/with steering wheel



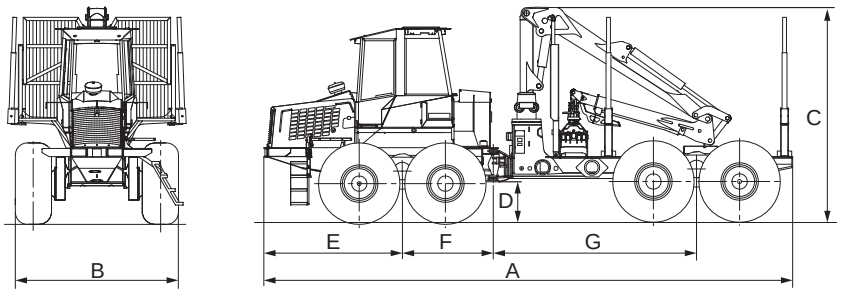
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FVBH0361




FVBH0362

| Item | Model | 830.3 (8W) | 840TX (6W) | 840TX (8W) | 855 (6W) |
|---|---|---|---|---|---|
| **A** Length | mm (ft.in) | 8122 (26'8") | 9020 (29'7") | 9020 (29'7") | 9829 (32'3") |
| **B** Width | mm (ft.in) | 2600 (8'6") | 2890 (9'6") | 2890 (9'6") | 2690 (8'10") |
| **C** Height | mm (ft.in) | 3526 (11'7") | 3783 (12'5") | 3783 (12'5") | 3844 (12'7") |
| **D** Ground clearance | mm (ft.in) | 622 (2'0") | 656 (2'2") | 656 (2'2") | 643 (2'1") |
| **E** From front to front axle | mm (ft.in) | 2409 (7'11") | 2250 (7'5") | 2250 (7'5") | 2669 (8'9") |
| **F** From front to axle to waist | mm (ft.in) | 1850 (6'1") | 1670 (5'6") | 1670 (5'6") | 1750 (5'9") |
| **G** From waist to back axle | mm (ft.in) | 2300 (7'7") | 2997 (9'10") | 2997 (9'10") | 3296 (10'10") |

| Item | Model | 855 (8W) | 865 (6W) | 865 (8W) | 890.3 (6W) |
|---|---|---|---|---|---|
| **A** Length | | 9829 (32'3") | 9829 (32'3") | 9829 (32'3") | 9710 (31'10") |
| **B** Width | mm (ft.in) | 2656 (8'9") | 2690 (8'10") | 2756 (9'1") | 2990 (9'10") |
| **C** Height | mm (ft.in) | 3844 (12'7") | 3844 (12'7") | 3844 (12'7") | 3950 (13'0") |
| **D** Ground clearance | mm (ft.in) | 677 (2'3") | 643 (2'1") | 677 (2'3") | 740 (2'5") |
| **E** From front to front axle | mm (ft.in) | 2669 (8'9") | 2669 (8'9") | 2669 (8'9") | 2540 (8'4") |
| **F** From front to axle to waist | mm (ft.in) | 1750 (5'9") | 1750 (5'9") | 1750 (5'9") | 1670 (5'6") |
| **G** From waist to back axle | | 3296 (10'10") | 3296 (10'10") | 3296 (10'10") | 3730 (12'3") |

| Item | Model | 890.3 (8W) | | | |
|---|---|---|---|---|---|
| **A** Length | | 9710 (31'10") | | | |
| **B** Width | mm (ft.in) | 2990 (9'10") | | | |
| **C** Height | mm (ft.in) | 3970 (13'0") | | | |
| **D** Ground clearance | mm (ft.in) | 760 (2'6") | | | |
| **E** From front to front axle | mm (ft.in) | 2540 (8'4") | | | |
| **F** From front to axle to waist | mm (ft.in) | 1670 (5'6") | | | |
| **G** From waist to back axle | | 3730 (12'3") | | | |



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## MEMO

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SECTION 9C

# TRACKED FELLER BUNCHERS & HARVESTERS

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**Features** ..... **9C-2**
**Specifications** ..... **9C-3**
**Dimensions** ..... **9C-4**



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- Unique set back boom design offers a greater working range. Numerous boom options ranging from 6.53m - 9.42m (21'5" - 30'11"), providing excellent stability and a wide cutting sweep for long reach harvesting or felling. Configuration options designed to best suit application demands include: 8 hydraulic systems, 2 booms, 4 arms.

- A powerful Cummins 300hp Tier 3 engine delivers excellent hydraulic performance. An auto-reversing fan helps keeps the radiator free of debris. An auxiliary hydraulic oil cooler with temperature controlled fan cools only when needed , saving power and fuel.

- Service features: Swing out doors for good component access. Remote mounted engine oil filter. 24V vacuumpump prevents oil spill during hydraulic system maintenance. Equipped with engine monitoring system.

- Nothing performs like Komatsu's closed loop track drive design. The XT series can simultaneously travel, reach, cut, and swing without compromising between travel and work equipment.

- A well equipped, comfortable cab is designed for efficiency. Controls are positioned to minimize operator fatigue. Large tinted windows provide a commanding view of the work area (an optional sky window is available). Non-glare surfaces eliminate eye strain and keep the operator fresh during long shifts.

- Easy-to-use IQAN digital control system provides smooth machine performance for felling or harvesting configurations. Built-in machine protection systems have active self diagnostics and troubleshooting capability. Joy stick controls are adjustable and programmable allowing operators the flexibility to fine tune their own response characteristics.

- The XT leveling machine's heavy duty two cylinder system provides simultaneous front/rear/side leveling. The leveling cylinders are protected inside the carbody (center frame) which has a flat underside to minimize hang up on stumps and rocks.

- Undercarriage features: Large Komatsu final drives. Komatsu 8.5" (216mm) pitch track → XT430/ XT430L. Komatsu 9.0" (230mm) pitch track → XT445/XT450L. Grease sealed track rollers. Integrated welded roller guards with track shoe support. Large track roller debris openings. Choice of track support slides or carrier rollers.



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| Item | Model | XT430-2 | XT430L-2 | XT445L-2 | XT450L-2 |
|---|---|---|---|---|---|
| BASE MACHINE WEIGHT | kg (lb) | 27660 (60,990) | 27290 (60,165) | 30390 (67,000) | 31520 (69,490) |
| HORSEPOWER (DIN)<br>Gross | kW (HP)/rpm | 224 (300)/2000 | 224 (300)/2000 | 224 (300)/2000 | 224 (300)/2800 |
| PERFORMANCE:<br>Tractive effort<br>Travel speed<br>Swing torque | kgf (lbf)<br>km/h (MPH)<br>kgm (ft-lbs) | 28010 (61,775)<br>4.8 (3.0)<br>6512 (47,100) | 28010 (61,775)<br>4.8 (3.0)<br>6512 (47,100) | 33710 (74,315)<br>5.3 (3.3)<br>6512 (47,100) | 33710 (74,315)<br>5.3 (3.3)<br>6512 (47,100) |
| LIFTING CAPACITY (w/o att.)<br>at 3.05 m (10')<br>at 4.57 m (15')<br>at 6.1 m (20') | kg (lb) | <br>11000 (24,250)<br>8255 (18,200)<br>5216 (11,500) | <br>11000 (24,250)<br>8255 (18,200)<br>5216 (11,500) | <br>11000 (24,250)<br>8255 (18,200)<br>5216 (11,500) | <br>11000 (24,250)<br>8255 (18,200)<br>5216 (11,500) |
| ENGINE:<br>Model<br>Torque | <br>kgm (ft-lbs)/rpm | <br>Cummins QSC8.3<br>138.2 (1000)/1500 | <br>Cummins QSC8.3<br>138.2 (1000)/1500 | <br>Cummins QSC8.3<br>138.2 (1000)/1500 | <br>Cummins QSC8.3<br>138.2 (1000)/1500 |
| HYDRAULIC SYSTEM:<br>Hydraulic pump<br>Max. flow | <br>ltr. (U.S.Gal)/ min. | <br>Variable capacity | <br>Variable capacity | <br>Variable capacity | <br>Variable capacity |
| Track shoe width/<br>Ground pressure<br>600 mm (23.6") single grouser<br>600 mm (23.6") double grouser<br>700 mm (27.6") single grouser<br>700 mm (27.6") double grouser<br>900 mm (35.4") triple grouser | kg/cm$^2$ (PSI) | <br>0.54 (7.74)<br>—<br>—<br>0.48 (6.8) | <br>0.57 (8.16)<br>—<br>—<br>0.50 (7.16)<br>— | <br>0.61 (8.74)<br>—<br>0.54 (7.62)<br>—<br>— | <br>0.64 (9.07)<br>—<br>0.56 (7.9)<br>—<br>— |
| CAPACITY (Refilled)<br>Fuel tank | ltr. (U.S.Gal) | 852 (225) | 700 (185) | 700 (185) | 1362 (360) |

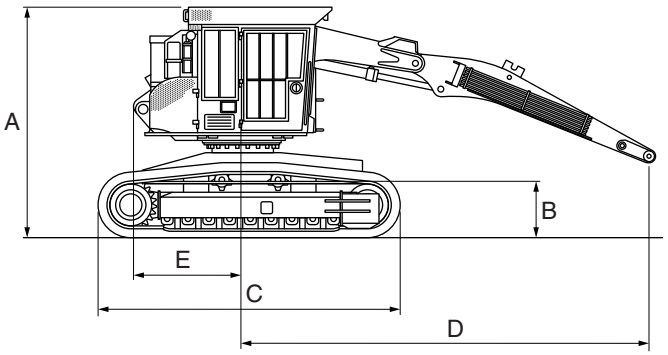
* : With 370 Heavester head



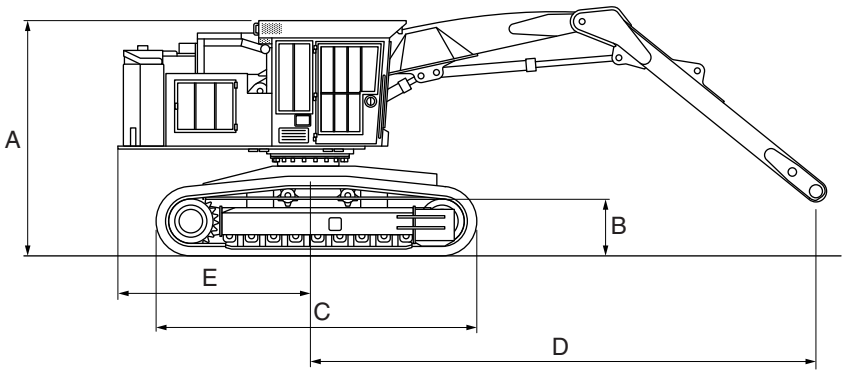
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FVBM0363




FVBH0364

| Item | Model | XT430-2 | XT430L-2 | XT445L-2 | XT450L-2 |
|---|---|---|---|---|---|
| Overall width | mm (ft.in) | | | | |
| STD 600 mm (23.6") shoe | | 3140 (10'4") | 2935 (9'8") | 3140 (10'4") | 3170 (10'5") |
| OPT 700 mm (27.6") shoe | | 3240 (10'8") | 3035 (10'0") | 3240 (10'8") | 3270 (10'9") |
| OPT 900 mm (35.4") shoe | | | | — | — |
| **A** Overall height | mm (ft.in) | 3595 (11'10") | 3775 (12'5") | 3850 (12'8") | 3880 (12'9") |
| **B** Ground clearance | mm (ft.in) | 730 (2'5") | 730 (2'5") | 810 (2'8") | 810 (2'8") |
| **C** Track length | mm (ft.in) | 4915 (16'1") | 4590 (15'1") | 4770 (15'8") | 4770 (15'8") |
| **D** Reach max. | mm (ft.in) | 6530 (21'5") | 6530 (21'5") | 6530 (21'5") | 6530 (21'5") |
| **E** Tail swing radius | mm (ft.in) | 1470 (4'10") | 1470 (4'10") | 1470 (4'10") | 1470 (4'10") |



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SECTION **9D**

# HARVESTER HEADS

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**Specifications and Dimentions ..... 9D-2**

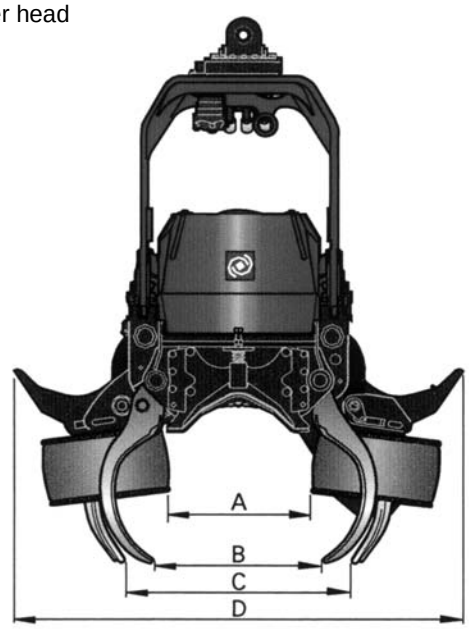


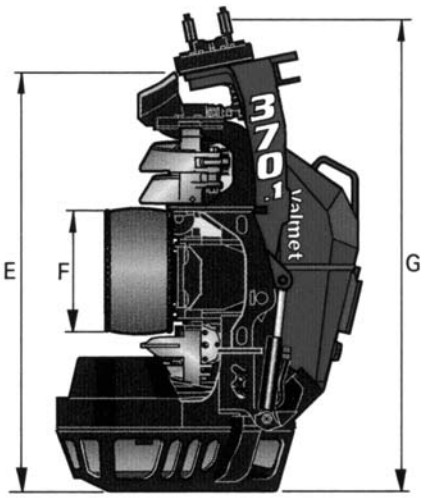
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Harvester head




| Item | Model | 340 | 350.1 | 360.2 | 365 |
|---|---|---|---|---|---|
| WEIGHT<br>Incl. topping saw | kg (lb) | 760 (1,675) | 960 (2,116) | 1245 (2,744) | 1200 (2,646) |
| Feed force (gross)<br><br>Feed speed | kN<br>kgf<br>(lbf)<br>m/s (ft/s) | 18<br>1835<br>(4,045)<br>0 - 5 (0 - 16.4) | 16,5 - 25,3<br>1680 - 2580<br>(3,710 - 5,690)*<br>0 - 5 (0 - 16.4) | 25.3<br>2580<br>(5,690)<br>0 - 5 (0 - 16.4) | 23.5 - 28.3<br>2400 - 2890<br>(5,306 - 6,362)<br>0 - 5 (0 - 16.4) |
| DIMENSIONS:<br>Cutting diameter<br>A Roller opening, max.<br>B Opening upper knives<br>C Opening lower knives<br>D Width max.<br>E Height to vertical knife<br>F Roller diameter<br>G Height including rotator | mm (in) | <br>530 (20.9")<br>420 (16.5")<br>450 (17.7")<br>—<br>1130 (44.5")<br>1225 (48.2")<br><br>1575 (62.0") | <br>600 (23.6")<br>520 (20.5")<br>600 (23.6")<br>—<br>1400 (55.1")<br>1290 (50.8")<br>395 (15.5")<br>1440 (56.7") | <br>650 (25.6")<br>550 (21.7")<br>640 (25.2")<br>—<br>1720 (67.7")<br>1650 (65.0")<br>460 (18.1")<br>1800 (70.9") | <br>650 (25.6")<br>650 (25.6")<br>625 (24.6")<br>700 (27.6")<br>1720 (67.7")<br>1540 (60.6")<br>470 (18.5")<br>1720 (67.7") |

| Item | Model | 370.2 | 370E | 378 | 378E |
|---|---|---|---|---|---|
| WEIGHT<br>Incl. topping saw | kg (lb) | 1470 (3,241) | 1600 (3,527)** | 2060 (4,541) | 1850 (4,078) |
| Feed force (gross)<br><br>Feed speed | kN<br>kgf<br>(lbf)<br>m/s (ft/s) | 28.3 - 30.8*<br>2875 - 3130<br>(6,340 - 6,900)<br>0 - 5 (0 - 16.4) | 21 - 30.8*<br>2400-3500<br>(5,280 - 7,710)<br>0 - 5 (0 - 16.4) | 36.3/39.6<br>3700/4040<br>(8,160/8,905)<br>0 - 4.5 (14.8) | 26.6<br>2710<br>(5,980)<br>0 - 6 (0 - 20) |
| DIMENSIONS:<br>Cutting diameter<br>A Roller opening, max.<br>B Opening upper knives<br>C Opening lower knives<br>D Width max.<br>E Height to vertical knife<br>F Roller diameter<br>G Height including rotator | mm (in) | <br>700 (27.6")<br>600 (23.6")<br>640 (25.2")<br>750 (29.5")<br>1950 (76.8")<br>1780 (70.1")<br>547 (21.5")<br>1920 (75.6") | <br>700 (27.6")<br>600 (23.6")<br>640 (25.2")<br>750 (29.5")<br>1950 (76.8")<br>1780 (70.1")<br>547 (21.5")<br>2080 (81.9") | <br>700 (27.6")<br>650 (25.6")<br>675(28.0")<br>—<br>1650 (65.0")<br>—<br>450 (17.7")<br>1995 (78.5") | <br>650 (25.6")<br>645 (25.4")<br>725 (28.5")<br>—<br>1560 (61.4")<br>1650 (65.0")<br>460 (18.1")<br>2000 (78.7") |

* Depending on feed roller motor
** Topping saw is discontinued.

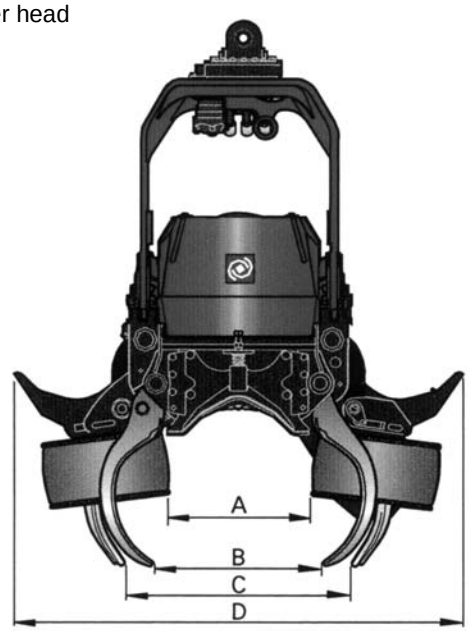


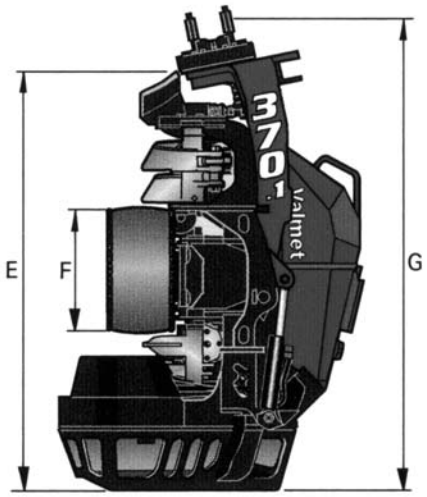
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Harvester head




| Item | Model | 378P | 398 | | |
|---|---|---|---|---|---|
| WEIGHT<br>Incl. topping saw | kg (lb) | 1780 (3,924) | 2785 (6,140) | | |
| Feed force (gross)<br><br>Feed speed | kN<br>kgf<br>(lbf)<br>m/s (ft/s) | 26.6<br>2710<br>(5,980)<br>0 - 6 (0 - 20) | 40<br>4077<br>(9000)<br>0 - 5 (0 - 16.4) | | |
| DIMENSIONS:<br>Cutting diameter<br>A Roller opening, max.<br>B Opening upper knives<br>C Opening lower knives<br>D Width max.<br>E Height to vertical knife<br>F Roller diameter<br>G Height including rotator | mm (in) | <br>610 (24.0")<br>645 (25.4")<br>670 (26.4")<br>—<br>1570 (61.8")<br>—<br>460 (18.1")<br>1505 (59.3") | <br>780 (31")<br>—<br>800 (32")<br>—<br>1800 (71")<br>2025 (80")<br>500 (19.7")<br>2440 (97") | | |

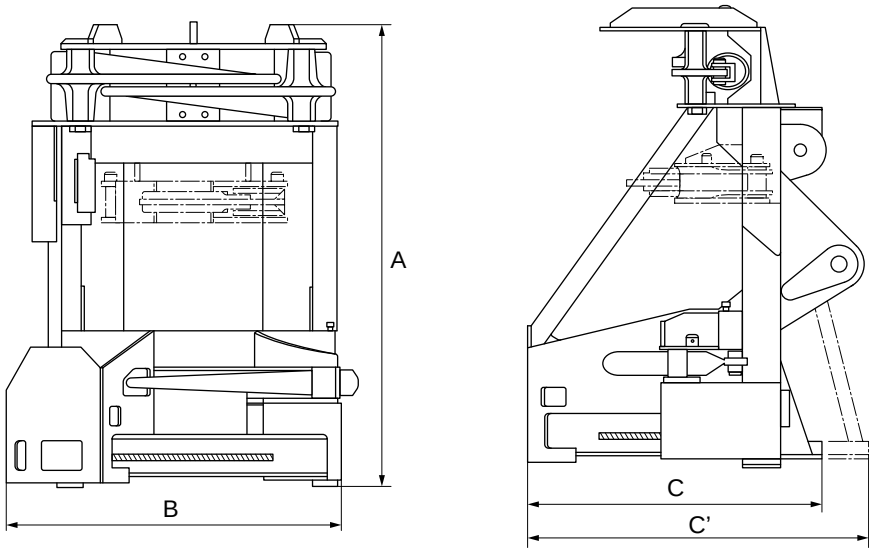
* Depending on feed roller motor
** Topping saw is discontinued.



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Felling head




FVBH0458

| Item | Model | 233 | |
|---|---|---|---|
| SPECIFICATIONS | | | |
| Bar saw weight | kg (lb) | 1640 (3,616) | |
| Optional accumlator | kg (lb) | 159 (350) | |
| Optional lateral tilt | kg (lb) | 231 (510) | |
| Cutting capacity | mm (in) | 609 (28"), 838 (33") | |
| Cycle time | sec | 2 – 7 | |
| Saw bar length | mm (in) | 914 (36") or 1092 (43") | |
| HYDRAULICS | | | |
| Hydraulic requirement | ltr (U.S. Gal)/min | 132 (35) – 227 (60) | |
| System pressure | kg/cm$^2$ (PSI) | 175 (2,500) – 257 (3,650) | |
| DIMENSIONS: | | | |
| A: Height | mm (in) | 1880 (74") | |
| B: Width | mm (in) | 1359 (53.5") | |
| C: Length | mm (in) | 28" Capacity: 1219 (48") | |
| C': Length | mm (in) | 33" Capacity: 1384 (54.5") | |


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# GENERATOR SETS Sec 10

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SECTION 10

# GENERATOR SETS

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1. New Engine

Komatsu "Air-to-Air Aftercooled Engine" has been introduced. (Except for EGS45-5 to EGS300-6 , and EGS650-6)

- High Output (Performance)
- Low Fuel Consumption
- Low Noise
- Lighter Weight and Compactness
- Longer Oil Change Interval
- Easy Maintenance
- High Quality, High Reliability, High Durability

2. Easy Operation and Control

2-1.Engine & Generator control panel is arranged in one box, and located in front of Generator.
So the operator can monitor the operating status easily by viewing the meters.
Advantage:

- Simple : Minimized control equipment and wiring
- Easy Maintenance

2-2.Compact Engine Control Unit
EGS Series generators have a compact engine control unit ( 1 box type ) for easy operation and maintenance.
Advantage and Functions

- Microprocessor : Control status and factor are programmed in Microprocessor.
- High Reliability : Engine control circuit is integrated in printed boards.
- Easy selection : A Mode Key Switch for Off / Auto / Manual
- Built-in AMF function : Auto Start / Stop, Cranking with attempts and Cool running are Standard Function.
- Iconic, Symbols and LED : Operating process and Alarm condition can be monitored.

3. High qualified electricity with Brushless, Self-excited AC Alternator

- Maintenance-Free : Brushless, Direct coupling with engine
- High Electric Characteristic : Standard 2/3 pitch windings avoid excessive neutral currents.
- Excellent Voltage Build-Up : Originally designed excited field system and high efficient steel
- Stable Voltage Regulation : Built-in type Automatic Voltage regulator (AVR)
- High Efficient Cooling : Class H insulation with forced air-circulation
- Permanent Magnet Generator (PMG) (Optional ) : PMG systems provides constant excitation
- Voltage Adjustment (Optional accessory by model ) : The voltage can be adjusted manually.
- Dual Voltage (Optional) : Two kinds of voltage can be given.

4. Safe Running (Protection)

- MCCB (Molded Case Circuit Breaker) can be opened by Over Current automatically.
- The engine can be stopped by High coolant temperature / Low oil pressure automatically
- The engine can be stopped by Over speed .
- Engine stop system : Energized in Run mode
  The engine can be stopped automatically in case of the following condition.
  (1) Over speed, (2) High coolant temperature, (3) Low oil pressure, (4) Emergency button is pushed.

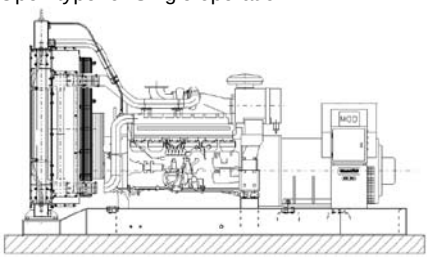
5. Various Generator Type

EGS Series Generator has 4 types.

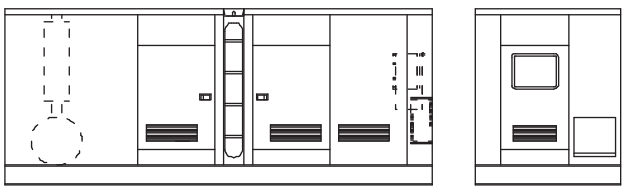
(1) Bonnet & Soundproof type with Control panel and MCCB : For single operation at residential area
(2) Non Bonnet type with Control panel and MCCB : For single operation in the room
(3) Non Bonnet type with Engine control panel : For parallel operation in the room

*** Typical Generator Type**

Open type for Single operation



Bonnet & Soundproof type




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| Model | Bonnet & Soundproof Type | EGS45BS-6 | | | | EGS65BS-6 | | | | EGS120BS-6 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item | Open Type | EGS45-6 | | | | EGS65-6 | | | | EGS120-6 | | | |
| **GENERATOR** | | | | | | | | | | | | | |
| Rated output | Frequency | 50 Hz | | 60 Hz | | 50 Hz | | 60 Hz | | 50 Hz | | 60 Hz | |
| | Prime Output | kVA | kW | kVA | kW | kVA | kW | kVA | kW | kVA | kW | kVA | kW |
| | | 35 | 28 | 41 | 33 | 50 | 40 | 58 | 46 | 100 | 80 | 118 | 94 |
| | Standby Output | 39 | 31 | 45 | 36 | 55 | 44 | 63 | 51 | 110 | 88 | 129 | 103 |
| **ENGINE** | | | | | | | | | | | | | |
| Model | | Komatsu 4D95LE-2 | | | | Komatsu S4D95LE-2 | | | | Komatsu S6D102E-1 | | | |
| Horsepower kW (HP) | Prime (at 1500, 1800 RPM) | 31.1 (41.7) | | 36.7 (49.2) | | 44.8 (60.1) | | 51.8 (69.4) | | 92.7 (124) | | 104.4 (140) | |
| | Standby (at 1500, 1800 RPM) | 34.8 (46.6) | | 40.2 (53.9) | | 49.3 (66.1) | | 58.4 (78.3) | | 107.4 (144) | | 121.4 (163) | |
| No. of cylinders | | 4 - inline | | | | 4 - inline | | | | 6 - inline | | | |
| Bore × stroke mm (in) | | 95 × 115 (3.74 × 4.53) | | | | 95 × 115 (3.74 × 4.53) | | | | 102 × 120 (4.02 × 4.72) | | | |
| Piston displacement ltr. (cu.in) | | 3.26 (199) | | | | 3.26 (199) | | | | 5.88 (3.59) | | | |
| Aspiration | | Natural | | | | Turbocharged | | | | Turbocharged | | | |
| Electric system | Starter motor | 12 V – 2.2 kW | | | | 12 V – 2.2 kW | | | | 24 V – 4.5 kW | | | |
| | Alternator | 12 V – 35 A | | | | 12 V – 35 A | | | | 24 V – 25 A | | | |
| | Battery | 12 V – 100 Ah × 1 | | | | 12 V – 100 Ah × 1 | | | | 12 V – 100 Ah × 2 | | | |
| **GENERATOR SET** | | | | | | | | | | | | | |
| Capacity ltr. (U.S. Gal) | Coolant | 10.3 (2.72) | | | | 10.3 (2.72) | | | | 19 (5.02) | | | |
| | Lubricant | 8.0 (2.11) | | | | 8.5 (2.25) | | | | 22 (5.81) | | | |
| | Fuel tank Bonnet & Soundproof Type | 150 (39.6) | | | | 150 (39.6) | | | | 200 (52.8) | | | |
| | Fuel Tank Open (Option) | 150 (39.6) | | | | 150 (39.6) | | | | 200 (52.8) | | | |
| Dry weight* kg (lb) | Bonnet & Soundproof Type | 1200 (2,650) | | | | 1200 (2,650) | | | | 1900 (4,190) | | | |
| | Open Type | 800 (1,760) | | | | 800 (1,760) | | | | 1300 (2,870) | | | |
| Dimensions (L × W × H) mm (ft.in) | Bonnet & Soundproof Type | 2600 × 850 × 1340 (8'6" × 2'9" × 4'5") | | | | 2600 × 850 × 1400 (8'6" × 2'9" × 4'7") | | | | 3400 × 950 × 1750 (11'2" × 3'1" × 5'9") | | | |
| | Open Type | 1800 × 880 × 1800 (5'11" × 2'11" × 5'11") | | | | 1800 × 880 × 1800 (5'11" × 2'11" × 5'11") | | | | 2200 × 950 × 1520 (7'3" × 3'1" × 5'0") | | | |

| Model | Bonnet & Soundproof Type | EGS160BS-7 | | | | EGS240BS-6 | | | | EGS300BS-6 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item | Open Type | EGS160-7 | | | | EGS240-6 | | | | EGS300-6 | | | |
| **GENERATOR** | | | | | | | | | | | | | |
| Rated output | Frequency | 50 Hz | | 60 Hz | | 50 Hz | | 60 Hz | | 50 Hz | | 60 Hz | |
| | Prime Output | kVA | kW | kVA | kW | kVA | kW | kVA | kW | kVA | kW | kVA | kW |
| | | 129 | 103 | 155 | 124 | 200 | 160 | 238 | 190 | 276 | 221 | 303 | 242 |
| | Standby Output | 145 | 116 | 173 | 138 | 220 | 176 | 261 | 209 | 304 | 243 | 333 | 266 |
| **ENGINE** | | | | | | | | | | | | | |
| Model | | Komatsu SAA6D102E-2 | | | | Komatsu S6D125-1 | | | | Komatsu SA6D125-2 | | | |
| Horsepower kW (HP) | Prime (at 1500, 1800 RPM) | 113 (151) | | 134 (180) | | 172 (230) | | 204 (273) | | 238 (319) | | 261 (350) | |
| | Standby (at 1500, 1800 RPM) | 128 (171) | | 152 (204) | | 189 (253) | | 225 (301) | | 262 (351) | | 287 (385) | |
| No. of cylinders | | 6 - inline | | | | 6 - inline | | | | 6 - inline | | | |
| Bore × stroke mm (in) | | 102 × 120 (4.02 × 4.72) | | | | 125 × 150 (4.92 × 5.91) | | | | 125 x 150 (4.92 x 5.91) | | | |
| Piston displacement ltr. (cu.in) | | 5.88 (3.59) | | | | 11.04 (673) | | | | 11.04 (673) | | | |
| Aspiration | | Turbocharged Air to Air Aftercooled | | | | Turbocharged | | | | Turbocharged Aftercooled | | | |
| Electric system | Starter motor | 24 V – 4.5 kW | | | | 24 V – 5.5 kW | | | | 24 V – 5.5 kW | | | |
| | Alternator | 24 V – 25 A | | | | 24 V – 35A | | | | 24 V – 35A | | | |
| | Battery | 12 V – 120 Ah × 2 | | | | 12 V – 150 Ah x 2 | | | | 12 V – 150 Ah x 2 | | | |
| **GENERATOR SET** | | | | | | | | | | | | | |
| Capacity ltr. (U.S. Gal) | Coolant | 25 (6.6) | | | | 59 (15.6) | | | | 60 (15.9) | | | |
| | Lubricant | 22 (5.8) | | | | 30 (7.93) | | | | 40 (10.6) | | | |
| | Fuel tank Bonnet & Soundproof Type | 230 (60.8) | | | | 570 (151) | | | | 570 (151) | | | |
| | Fuel Tank Open (Option) | 230 (60.8) | | | | 470 (124) | | | | 470 (124) | | | |
| Dry weight* kg (lb) | Bonnet & Soundproof Type | 2200 (4,850) | | | | 4000 (8,820) | | | | 4400 (9,700) | | | |
| | Open Type** | 1600 (3,530) | | | | 2200 (4,850) | | | | 2700 (5,950) | | | |
| Dimensions (L × W × H) mm (ft.in) | Bonnet & Soundproof Type | 3770 × 950 × 1750 (12'4" × 3'1" × 5'9") | | | | 4040 × 1590 × 2170 (13'3" × 5'3" × 7'1") | | | | 4040 × 1590 × 2170 (13'3" × 5'3" × 7'1") | | | |
| | Open Type** | 2570 × 950 × 1600 (8'5" × 3'1" × 5'3") | | | | 2880 × 1120 × 1630 (9'5" × 3'8" × 5'4") | | | | 3000 × 1120 × 1680 (9'10" × 3'8" × 5'6") | | | |

* Including coolant water and lubricant oil



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| Model | Bonnet & Soundproof Type | EGS360BS-6 | | | | EGS380BS-6 | | | | EGS500BS-6 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item | Open Type | EGS360-6 | | | | EGS380-6 | | | | EGS500-6 | | | |
| **GENERATOR** | | | | | | | | | | | | | |
| Rated output | Frequency | 50 Hz | | 60 Hz | | 50 Hz | | 60 Hz | | 50 Hz | | 60 Hz | |
| | Prime Output | kVA | kW | kVA | kW | kVA | kW | kVA | kW | kVA | kW | kVA | kW |
| | | — | — | 360 | 288 | 350 | 280 | — | — | — | — | 505 | 404 |
| | Standby Output | — | — | 396 | 317 | 385 | 308 | — | — | — | — | 556 | 445 |
| **ENGINE** | | | | | | | | | | | | | |
| Model | | Komatsu SAA6D125-P380 | | | | Komatsu SAA6D125-P400 | | | | Komatsu SAA6D140-P460 | | | |
| Horsepower kW (HP) | Prime (at 1500, 1800 RPM) | — | | 310 (415) | | 298 (400) | | — | | — | | 430 (577) | |
| | Standby (at 1500, 1800 RPM) | — | | 341 (457) | | 328 (440) | | — | | — | | 474 (635) | |
| No. of cylinders | | 6 - inline | | | | 6 - inline | | | | 6 - inline | | | |
| Bore × stroke mm (in) | | 125 x 150 (4.92 x 5.91) | | | | 125 × 150 (4.92 × 5.91) | | | | 140 × 165 (5.51 × 6.50) | | | |
| Piston displacement ltr. (cu.in) | | 11.04 (673) | | | | 11.04 (673) | | | | 15.24 (930) | | | |
| Aspiration | | Turbocharged Air to Air Aftercooled | | | | Turbocharged Air to Air Aftercooled | | | | Turbocharged Air to Air Aftercooled | | | |
| Electric system | Starter motor | 24 V – 7.5 kW | | | | 24 V – 7.5 kW | | | | 24 V – 7.5 kW | | | |
| | Alternator | 24 V – 35A | | | | 24 V – 35A | | | | 24 V – 35A | | | |
| | Battery | 12 V – 150 Ah x 2 | | | | 12 V – 150 Ah × 2 | | | | 12 V – 200 Ah × 2 | | | |
| **GENERATOR SET** | | | | | | | | | | | | | |
| Capacity ltr. (U.S. Gal) | Coolant | 70 (18.5) | | | | 70 (18.5) | | | | 72 (19.0) | | | |
| | Lubricant | 62 (16.4) | | | | 62 (16.4) | | | | 74 (19.6) | | | |
| | Fuel tank Bonnet & Soundproof Type | 570 (151) | | | | 570 (151) | | | | 600 (159) | | | |
| | Fuel Tank Open (Option) | 470 (124) | | | | 470 (124) | | | | 600 (159) | | | |
| Dry weight kg (lb) | Bonnet & Soundproof Type | 4800 (10,580) | | | | 5000 (11,020) | | | | 6300 (13,890) | | | |
| | Open Type | 2800 (6,170) | | | | 3000 (6,610) | | | | 3700 (8,160) | | | |
| Dimensions (L × W × H) mm (ft.in) | Bonnet & Soundproof Type | 4340 × 1590 × 2200 (14'3" × 5'3" × 7'3") | | | | 4340 × 1590 × 2200 (14'3" × 5'3" × 7'3") | | | | 5040 × 1870 × 2200 (16'6" × 6'2" × 7'3") | | | |
| | Open Type | 3300 × 1120 × 1785 (10'10" × 3'8" × 5'10") | | | | 3300 × 1120 × 1790 (10'10" × 3'8" × 5'10") | | | | 3500 × 1410 × 1840 (11'6" × 4'8" × 6'0") | | | |

| Model | Bonnet & Soundproof Type | EGS630BS-6 | | | | EGS760BS-6 | | | | EGS850BS-6 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Container & Soundproof | — | | | | — | | | | EGS850BS-6C | | | |
| Item | Open Type | EGS630-6 | | | | EGS760-6 | | | | EGS850-6 | | | |
| **GENERATOR** | | | | | | | | | | | | | |
| Rated output | Frequency | 50 Hz | | 60 Hz | | 50 Hz | | 60 Hz | | 50 Hz | | 60 Hz | |
| | Prime Output | kVA | kW | kVA | kW | kVA | kW | kVA | kW | kVA | kW | kVA | kW |
| | | 500 | 400 | — | — | — | — | 758 | 606 | 705 | 564 | — | — |
| | Standby Output | 550 | 440 | — | — | — | — | 833 | 667 | 776 | 620 | — | — |
| **ENGINE** | | | | | | | | | | | | | |
| Model | | Komatsu SAA6D140-P580 | | | | Komatsu SAA6D170-P740 | | | | Komatsu SAA6D170-P800 | | | |
| Horsepower kW (HP) | Prime (at 1500, 1800 RPM) | 430 (577) | | — | | — | | 639 (856) | | 597 (800) | | — | |
| | Standby (at 1500, 1800 RPM) | 474 (635) | | — | | — | | 703 (942) | | 656 (880) | | — | |
| No. of cylinders | | 6 - inline | | | | 6 - inline | | | | 6 - inline | | | |
| Bore × stroke mm (in) | | 140 × 165 (5.51 × 6.50) | | | | 170 × 170 (6.69 × 6.69) | | | | 170 × 170 (6.69 × 6.69) | | | |
| Piston displacement ltr. (cu.in) | | 15.24 (930) | | | | 23.15 (1413) | | | | 23.15 (1413) | | | |
| Aspiration | | Turbocharged Air to Air Aftercooled | | | | Turbocharged Air to Air Aftercooled | | | | Turbocharged Air to Air Aftercooled | | | |
| Electric system | Starter motor | 24 V – 7.5 kW | | | | 24 V – 11 kW | | | | 24 V – 11 kW | | | |
| | Alternator | 24 V – 35A | | | | 24 V – 35A | | | | 24 V – 35A | | | |
| | Battery | 12 V – 200 Ah × 2 | | | | 12 V – 200 Ah × 2 | | | | 12 V – 200 Ah × 2 | | | |
| **GENERATOR SET** | | | | | | | | | | | | | |
| Capacity ltr. (U.S. Gal) | Coolant | 102 (26.9) | | | | 145 (38.3) | | | | 145 (38.3) | | | |
| | Lubricant | 77 (20.3) | | | | 147 (38.8) | | | | 147 (38.8) | | | |
| | Fuel tank Bonnet & Soundproof Type | 600 (159) | | | | 750 (198) | | | | 750 (198) | | | |
| | Fuel Tank Open (Option) | 600 (159) | | | | 750 (198) | | | | 750 (198) | | | |
| | Fuel Tank Container & Soundproof | — | | | | — | | | | 1000 (264) | | | |
| Dry weight kg (lb) | Bonnet & Soundproof Type | 6500 (14,330) | | | | 9400 (20,720) | | | | 9700 (21,380) | | | |
| | Container & Soundproof | — | | | | — | | | | 9000 (19,840) | | | |
| | Open Type | 3900 (8,600) | | | | 5700 (12,570) | | | | 6000 (13,230) | | | |
| Dimensions (L × W × H) mm (ft.in) | Bonnet & Soundproof Type | 5040 × 1870 × 2200 (16'6" × 6'2" × 7'3") | | | | 5730 × 2050 × 2550 (18'10" × 6'9" × 8'4") | | | | 5730 × 2050 × 2550 (18'10" × 6'9" × 8'4") | | | |
| | Container & Soundproof | — | | | | — | | | | 6060 × 2440 × 2600 (19'11" × 8'0" × 8'6") | | | |
| | Open Type | 3500 × 1510 × 1850 (11'6" × 4'11" × 6'1") | | | | 4000 × 1690 × 1960 (13'1" × 5'6" × 6'5") | | | | 4100 × 1690 × 1960 (13'5" × 5'6" × 6'5") | | | |



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| Model | Bonnet & Soundproof Type | EGS1000BS-7 | | | | EGS1050BS-7 | | | | EGS1200BS-6 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Container & Soundproof | — | | | | — | | | | EGS1200BS-6C | | | |
| | | — | | | | — | | | | EGS1200BS-6CT | | | |
| Item | Open Type | EGS1000-7 | | | | EGS1050-7 | | | | EGS1200-6 | | | |
| **GENERATOR** | | | | | | | | | | | | | |
| Rated output | Frequency | 50 Hz | | 60 Hz | | 50 Hz | | 60 Hz | | 50 Hz | | 60 Hz | |
| | Prime Output | kVA | kW | kVA | kW | kVA | kW | kVA | kW | kVA | kW | kVA | kW |
| | | — | — | 920 | 736 | 860 | 688 | — | — | 1000 | 800 | — | — |
| | Standby Output | — | — | 1000 | 800 | 915 | 732 | — | — | 1100 | 880 | — | — |
| **ENGINE** | | | | | | | | | | | | | |
| Model | | Komatsu SAA6D170E-P910 | | | | Komatsu SAA6D170E-P970 | | | | Komatsu SAA12V140-P1150 | | | |
| Horsepower kW (HP) | Prime (at 1500, 1800 RPM) | — | | 772 (1035) | | 723 (969) | | — | | 861 (1154) | | — | |
| | Standby (at 1500, 1800 RPM) | — | | 858 (1150) | | 769 (1031) | | — | | 947 (1269) | | — | |
| No. of cylinders | | 6 - inline | | | | 6 - inline | | | | 12 Vee | | | |
| Bore × stroke mm (in) | | 170 × 170 (6.69 × 6.69) | | | | 170 × 170 (6.69 × 6.69) | | | | 140 × 165 (5.51 × 6.50) | | | |
| Piston displacement ltr. (cu.in) | | 23.15 (1413) | | | | 23.15 (1413) | | | | 30.48 (1860) | | | |
| Aspiration | | Turbocharged Air to Air Aftercooled | | | | Turbocharged Air to Air Aftercooled | | | | Turbocharged Air to Air Aftercooled | | | |
| Electric system | Starter motor | 24 V – 11 kW | | | | 24 V – 11 kW | | | | 24 V – 7.5 kW × 2 | | | |
| | Alternator | 24 V – 35A | | | | 24 V – 35A | | | | 24 V – 35A | | | |
| | Battery | 12 V – 200 Ah × 4 | | | | 12 V – 200 Ah × 4 | | | | 12 V – 200 Ah × 4 | | | |
| **GENERATOR SET** | | | | | | | | | | | | | |
| Capacity ltr. (U.S. Gal) | Coolant | 183 (48.3) | | | | 183 (48.3) | | | | 238 (62.9) | | | |
| | Lubricant | 141 (37.3) | | | | 141 (37.3) | | | | 157 (41.5) | | | |
| | Fuel tank Bonnet & Soundproof Type | 1300 (343) | | | | 1300 (343) | | | | 1350 (357) | | | |
| | Fuel Tank Container | — | | | | — | | | | 1500 (396) | | | |
| | | — | | | | — | | | | 1400 (370) | | | |
| | Fuel Tank Open (Option) | 900 (238) | | | | 900 (238) | | | | 850 (225) | | | |
| Dry weight kg (lb) | Bonnet & Soundproof Type | 10300 (24,030) | | | | 10500 (23,150) | | | | 13600 (29,980) | | | |
| | Container & Soundproof | — | | | | — | | | | 17000 (37,480) | | | |
| | | — | | | | — | | | | 12500 (27,560) | | | |
| | Open Type | 6400 (14,770) | | | | 6600 (14,550) | | | | 7400 (16,310) | | | |
| Dimensions (L × W × H) mm (ft.in) | Bonnet & Soundproof Type | 5830 × 1990 × 2540 (19'2" × 6'6" × 8'4") | | | | 5830 × 1990 × 2540 (19'2" × 6'6" × 8'4") | | | | 7540 × 2340 × 3200 (24'9" × 7'8" × 10'6") | | | |
| | Container & Soundproof | — | | | | — | | | | 12200 × 2440 × 2900 (40'0" × 8'0" × 9'6") | | | |
| | | — | | | | — | | | | 6060 × 2440 × 2600 (19'11" × 8'0" × 8'6") | | | |
| | Open Type | 4120 × 1790 × 2080 (13'6" × 5'10" × 6'10") | | | | 4120 × 1790 × 2080 (13'6" × 5'10" × 6'10") | | | | 4170 × 2090 × 2260 (13'8" × 6'10" × 7'5") | | | |



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### High quality:

The Komatsu diesel engine is a true achievement of our total engine production system-from casting all the way through machining processes using Komatsu-made machine tools to the final steps of assembly.

### Proven reliability

The Komatsu diesel engine is matched with our heavy-duty construction equipment to create a powerful combination of unbeatable performance and high durability.

### Economical operations:

The Direct injection system and special fuel-minimizing design of Komatsu diesel engines provide maximum economy. Low lubricant consumption is also a remarkable advantage.

### Compact design:

Advanced design and an efficient production system make Komatsu diesel engines compact and lightweight, enhancing their versatility.

### Low-noise operation:

Ideal designs keep engine noise and vibration to a minimum.

### Wider applications:

A wide range of optional equipment offers a variety of applications to meet specific customer requirements.

### Low emission engine (EPA Tier 3 and EU Stage 3A emissions certified.):

Komatsu engine meets the emission regulations of North America, Europe, Japan, etc. by employing the advanced technologies. The followings are examples of the technologies.

**High-pressure injection system**

Fuel is sprayed more finely to prevent increase of NOx and particulate matter by heightening the fuel pressure injected into the cylinder.

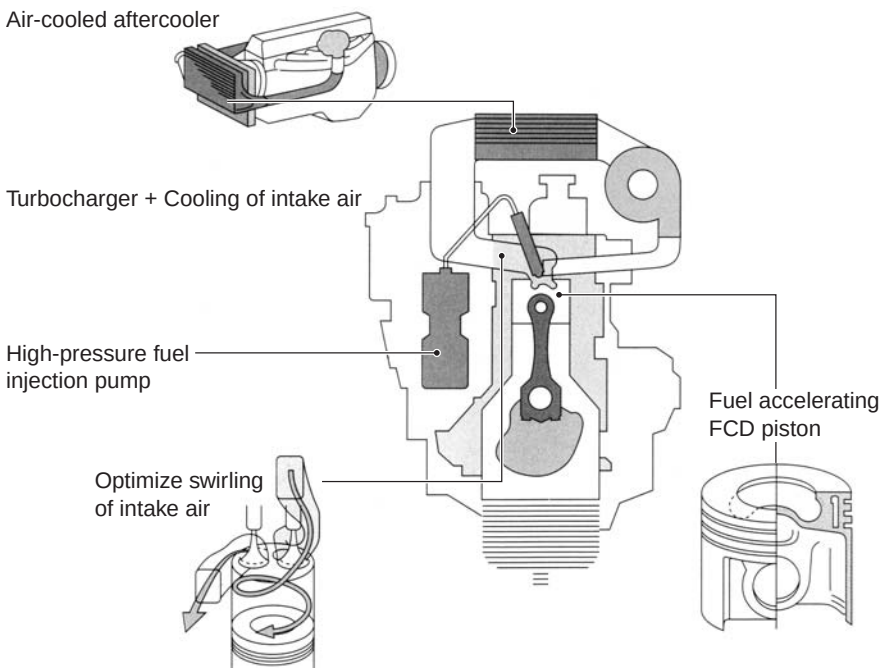
**Air-cooled aftercooler**

Intake air temprature pressurized by the turbocharger is lowered largely by the air-cooled aftercooler having high cooling capacity to prevent increase of NOx caused by high combustion temperature and increase the intake air density for less fuel consumption.

**Optimized shape of combustion chamber by use of FCD piston**

The shape of the combustion chamber is optimized by employing an FCD piston having high strength and the air flow speed is heightened by improving the shape of the air intake passage. With these technologies, particulate matter is reduced.

## Komatsu low-emission diesel engine





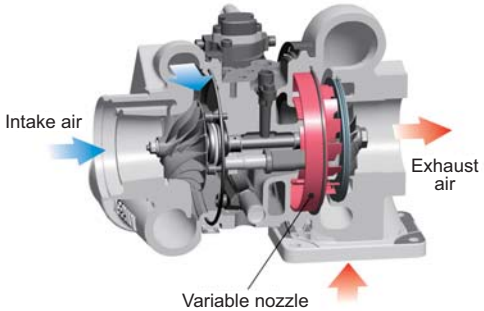
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## Komatsu's new engine technology (EPA Tier 4 Interim and EU Stage 3B emissions certified.)

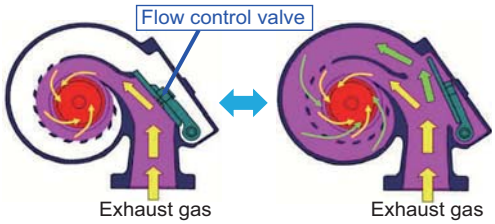
### Newly designed Komatsu Variable Geometry Turbocharger (KVGT)

A newly designed variable geometry turbocharger features Komatsu proprietary technology that varies the air-flow and delivers optimum air quantity to the engine combustion chamber under all speed and load conditions. The result is cleaner exhaust gas and improved fuel economy while maintaining power and performance.
(SAA6D107E-2, SAA6D114E-5, SAA6D125E-6, SAA6D140E-6)



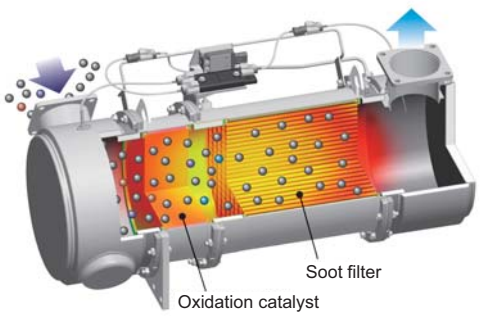

### Newly designed Variable Flow Turbocharger (VFT)

A newly designed variable flow turbocharger features simple and reliable technology that varies the intake air-flow. Exhaust turbine wheel speed is controlled by flow control valve and it enables to deliver optimum air quantity to the engine combustion chamber under all speed and load conditions. The result is cleaner exhaust gas while maintaining power and performance.
(SAA4D95LE-6)



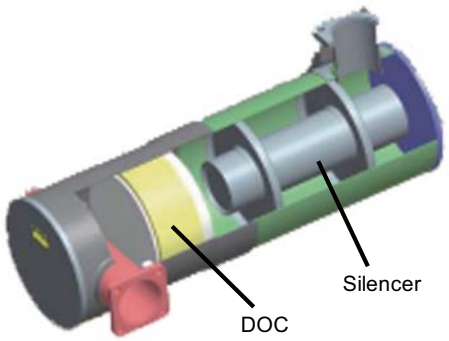

### Newly designed Komatsu Diesel Particulate Filter (KDPF)

Komatsu has designed and developed a high efficiency diesel particulate filter that captures more than 90% of PM. Passive and active regeneration is initiated automatically by the engine controller as needed to burn the particulates while the engine is running allowing uninterrupted machine operation. A special oxidation catalyst with fuel injection system eliminates the need for a traditional fuel burner thereby reducing maintenance costs and increasing reliability.
(SAA6D107E-2, SAA6D114E-5, SAA6D125E-6, SAA6D140E-6)




### Newly designed Komatsu Diesel Oxidation Catalyst (KDOC)

Komatsu has designed and developed a simple and high efficiency diesel oxidation catalyst. This system enables to eliminate the need of the PM regeneration and to simplify the engine control system. High performance exhaust noise silencer is also integrated and it contributes the engine noise reduction.
(SAA4D95LE-6)



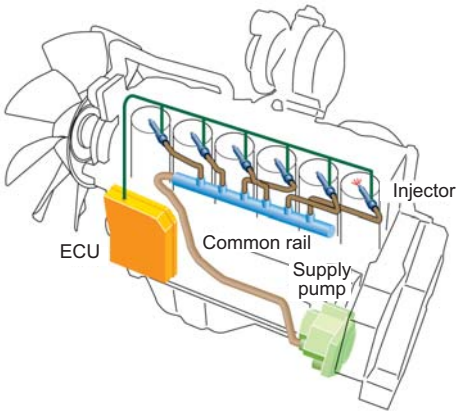


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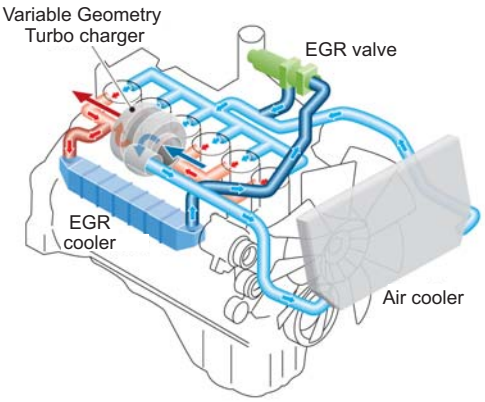

**Heavy duty High Pressure Common Rail (HPCR) Fuel Injection System**

Computer controlled heavy duty HPCR system delivers a precise quantity of pressurized fuel into the engine combustion chamber using multiple injections to achieve complete fuel burn and reduce exhaust emissions. Fuel injector life has been improved through the use of ultra-hard wear resistant materials such as diamond-like carbon.
(SAA4D95LE-6, SAA6D107E-2, SAA6D114E-5, SAA6D125E-6, SAA6D140E-6)




**Larger more robust cooled Exhaust Gas Recirculation (EGR) System**

Cooled EGR, a technology well-proven in existing Komatsu engines, has increased capacity to further reduce NOx to Tier 4 levels. Larger more robust components ensure reliable performance during the demanding work conditions of construction equipment.
(SAA4D95LE-6, SAA6D107E-2, SAA6D114E-5, SAA6D125E-6, SAA6D140E-6)




**Redesigned combustion chamber at top of piston**

The fuel/air combustion chamber located at the top of the engine piston has a new shape designed to improve combustion and further reduce NOx, PM, fuel consumption and noise. (SAA4D95LE-6, SAA6D107E-2, SAA6D114E-5, SAA6D125E-6, SAA6D140E-6)

**Komatsu Closed Crankcase Ventilation (KCCV)**

Oil mist trap efficiency is significantly increased from previous “Breather”s, from around 50% trap efficiency to 95% trap efficiency. Almost oil mist free crankcase gas (blow-by gas) is delivered back to the intake.
(SAA4D95LE-6, SAA6D107E-2, SAA6D114E-5, SAA6D125E-6, SAA6D140E-6)




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| Main Engines Mounted on the Komatsu machines | | | | | | |
|---|---|---|---|---|---|---|
| MODEL | HORSEPOWER (GROSS) kW (HP)/RPM | CONFIGURATION | ASPIRATION* | FUEL INJECTION SYSTEM** | DISPLACEMENT ltr. (in$^3$) | BORE × STROKE mm (in) |
| 4D95LE-2 | 48.5 (66)/2600 | 4In-Line | NA | DI | 3.26 (199) | 95 × 115 (3.74 × 4.53) |
| S4D95LE-3 | 63.3 (86)/2600 | 4In-Line | T | DI | 3.26 (199) | 95 × 115 (3.74 × 4.53) |
| SAA4D95LE-5 | 74.3 (100)/2400 | 4In-Line | TAA | DI | 3.26 (199) | 95 × 115 (3.74 × 4.53) |
| SAA4D95LE-6 | 73.4 (101)/2600 | 4In-Line | TAA | DI | 3.26 (199) | 95 × 115 (3.74 × 4.53) |
| SAA6D95LE-1 | 114 (154)/3000 | 6In-Line | TAA | DI | 4.89 (298) | 95 × 115 (3.74 × 4.53) |
| 4D102E-1 | 52 (69)/2500 | 4In-Line | NA | DI | 3.92 (239) | 102 × 120 (4.02 × 4.72) |
| S4D102E-1 | 74 (99)/2500 | 4In-Line | T | DI | 3.92 (239) | 102 × 120 (4.02 × 4.72) |
| SA4D102E-1 | 81 (108)/2500 | 4In-Line | TA | DI | 3.92 (239) | 102 × 120 (4.02 × 4.72) |
| SAA4D102E-2 | 99 (133)/2200 | 4In-Line | TAA | DI | 3.92 (239) | 102 × 120 (4.02 × 4.72) |
| 6D102E-1 | 74 (99)/2250 | 6In-Line | NA | DI | 5.88 (359) | 102 × 120 (4.02 × 4.72) |
| S6D102E-1 | 123 (165)/2500 | 6In-Line | T | DI | 5.88 (359) | 102 × 120 (4.02 × 4.72) |
| SA6D102E-2 | 86 (115)/2300 | 6In-Line | TA | DI | 5.88 (359) | 102 × 120 (4.02 × 4.72) |
| SAA6D102E-2 | 160 (215)/2000 | 6In-Line | TAA | DI | 5.88 (359) | 102 × 120 (4.02 × 4.72) |
| SAA6D102E-2 | 166 (225)/2200 | 6In-Line | TAA | DI | 6.69 (408) | 107 × 124 (4.21 × 4.88) |
| SAA4D107E-1 | 110.3 (148)/2200 | 4In-Line | TAA | DI | 4.46 (272) | 107 × 124 (4.21 × 4.88) |
| SAA6D107E-1 | 166 (222)/2200 | 6In-Line | TAA | DI | 6.69 (408) | 107 × 124 (4.21 × 4.88) |
| S6D108E-2 | 136 (182)/2500 | 6In-Line | T | DI | 7.145 (436) | 108 × 130 (4.25 × 5.12) |
| SA6D108E-2 | 180 (242)/2500 | 6In-Line | TA | DI | 7.145 (436) | 108 × 130 (4.25 × 5.12) |
| SAA6D108E-2 | 199 (266)/2600 | 6In-Line | TAA | DI | 7.145 (436) | 108 × 130 (4.25 × 5.12) |
| S6D114E-1 | 153 (205)/2200 | 6In-Line | T | DI | 8.27 (505) | 114 × 135 (4.49 × 5.31) |
| SA6D114E-1 | 176 (236)/1750 | 6In-Line | TA | DI | 8.27 (505) | 114 × 135 (4.49 × 5.31) |
| SA6D114E-2 | 165.5 (222)/2200 | 6In-Line | TA | DI | 8.27 (505) | 114 × 135 (4.49 × 5.31) |
| SAA6D114E-1 | 172 (230)/2200 | 6In-Line | TAA | DI | 8.27 (505) | 114 × 135 (4.49 × 5.31) |
| SAA6D114E-2 | 190 (254)/2200 | 6In-Line | TAA | DI | 8.27 (505) | 114 × 135 (4.49 × 5.31) |
| SAA6D114E-3 | 213 (286)/2000 | 6In-Line | TAA | DI | 8.27 (505) | 114 × 135 (4.49 × 5.31) |
| SAA6D114E-5 | 202 (275)/1950 | 6In-Line | TAA | DI | 8.85 (540) | 114 × 144.5 (4.49 × 5.09) |
| 6D125E-2 | 133 (179)/2200 | 6In-Line | NA | DI | 11.04 (674) | 125 × 150 (4.92 × 5.91) |
| S6D125E-2 | 188 (252)/2200 | 6In-Line | T | DI | 11.04 (674) | 125 × 150 (4.92 × 5.91) |
| SA6D125E-3 | 220 (296)/2000 | 6In-Line | TA | DI | 11.04 (674) | 125 × 150 (4.92 × 5.91) |
| SAA6D125E-3 | 276 (370)/2200 | 6In-Line | TAA | DI | 11.04 (674) | 125 × 150 (4.92 × 5.91) |
| SAA6D125E-5 | 302 (406)/2100 | 6In-Line | TAA | DI | 11.04 (674) | 125 × 150 (4.92 × 5.91) |
| SAA6D125E-6 | 302 (410)/2000 | 6In-Line | TAA | DI | 11.04 (674) | 125 × 150 (4.92 × 5.91) |
| S6D140E-2 | 294 (394)/2100 | 6In-Line | T | DI | 15.24 (930) | 140 × 165 (5.51 × 6.50) |
| SA6D140E-2 | 327 (438)/2100 | 6In-Line | TA | DI | 15.24 (930) | 140 × 165 (5.51 × 6.50) |
| SA6D140E-3 | 316 (423)/2100 | 6In-Line | TA | DI | 15.24 (930) | 140 × 165 (5.51 × 6.50) |
| SAA6D140E-2 | 390 (523)/2100 | 6In-Line | TAA | DI | 15.24 (930) | 140 × 165 (5.51 × 6.50) |
| SAA6D140E-3 | 397 (532)/2100 | 6In-Line | TAA | DI | 15.24 (930) | 140 × 165 (5.51 × 6.50) |
| SAA6D140E-5 | 441 (592)/2000 | 6In-Line | TAA | DI | 15.24 (930) | 140 × 165 (5.51 × 6.50) |
| SAA6D140E-6 | 353 (480)/2000 | 6In-Line | TAA | DI | 15.24 (930) | 140 × 165 (5.51 × 6.50) |
| SA12V140-1 | 783 (1050)/2100 | 12V | TA | DI | 30.5 (1861) | 140 × 165 (5.51 × 6.50) |
| SDA12V140E-1 | 671 (899)/2000 | 12V | TAA | DI | 30.5 (1861) | 140 × 165 (5.51 × 6.50) |
| SA12V170E-2 | 917 (1229)/1800 | 12V | TA | DI | 46.3 (2825) | 170 × 170 (6.69 × 6.69) |
| SA6D170E-3 | 427 (573)/1800 | 6In-Line | TA | DI | 23.15 (1413) | 170 × 170 (6.69 × 6.69) |
| SAA6D170E-3 | 713 (956)/2000 | 6In-Line | TAA | DI | 23.15 (1413) | 170 × 170 (6.69 × 6.69) |
| SAA6D170E-5 | 560 (750)/2000 | 6In-Line | TA | DI | 23.15 (1413) | 170 × 170 (6.69 × 6.69) |
| SAA12V140E-3 | 895 (1200)/1900 | 12V | TAA | DI | 30.5 (1861) | 140 × 165 (5.51 × 6.50) |
| QSK60 | 2019 (2700)/1900 | 16V | TAA | DI | 60.2 (3674) | 159 × 190 (6.26 × 7.48) |

* Aspiration
- NA: Natural Aspiration
- T: Turbocharged
- TA: Turbocharged and after-cooled
- TAA: Turbocharged and after-cooled (air cooled)

** Fuel Injection System
- DI: Direct Injection
- PC: Pre-combustion
- TC: Turbulence-chamber


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| Engine Model | Machine | | | | |
|---|---|---|---|---|---|
| | Bulldozer | Excavator | Wheel Loader | Dunp Truck | Other |
| 3D67E-2A | | PC14R-3 PC16R-3<br>PC18MR-3 | | | |
| 3D76E-6 | | PC20MR-3 PC22MR-3<br>PC26MR-3 | | | |
| 3D82AE-6 | | PC27MR-3 | | | |
| S4D87E-1 | | PC56-7 | | | |
| 3D88E-6 | | PC30MR-3 PC35MR-3 | | | |
| 4D88E-6 | | PC45MR-3 PC55MR-3 | WA50-6 | | |
| 4D98E-3 | | PC80MR-3 | | | |
| 4D95LE-2 | D21A-8E0<br>D21P-8E0 | | | | EGS45-6<br>BR100JG-2 |
| 4D95-LEW-5 | | | WA65-6<br>WA70-6 | | |
| S4D95LE-2 | | | | | EGS65-6 |
| SAA4D95LE-3 | | PC110-7 PC130-7<br>PC130F-7 | | | |
| SAA4D95LE-5 | D31EX/PX-22<br>D37EX/PX-22 | PC78US-8 PC88MR-8<br>PC60-8 PC70-8<br>PC138US-8 PC130-8<br>PW98MR-8 PC118MR-8 | WA150-6<br>WA150PZ-6 | | |
| SAA4D95LE-6 | D37EX/PX-23<br>D39EX/PX-23 | PC138USLC-10 | | | |
| S6D95L-1 | | | | | GD511A-1 |
| S4D102E-1 | | | WA120-3 | | |
| SAA4D102E-2 | | PC160LC-7 | WA150-5 | | |
| SAA4D104E-1 | | | | | WB93R-5<br>WB93S-5<br>WB97R-5<br>WB97S-5 |
| S6D102E-2 | | | WA180-3 | | EGS120-6 |
| SA6D102E-2 | | | WA320-3CU | | |
| SAA6D102E-2 | | PC200-7 PC270-7<br>PC220/LC-7 | WA200/PT-5<br>WA250/PT-5<br>WA320-5 | | BZ210 |
| SAA4D107E-1 | D39EX/PX-22 | PC160LC-8 PW148-8<br>PC190LC/NLC-8 PW160-8 | WA200PZ-6<br>WA200-6 | | |
| SAA4D107E-1-A | | HB205-1 HB215LC-1 | | | |
| SAA6D107E-1 | D51EX/PX-22<br>D61EX/PX-15E0 | PC200/LC-8 PC200/LC-8M0<br>PC220/LC-8 PC220/LC-8M0<br>PC210/LC/NLC-8 PC228US/USLC-8<br>PC230NHD-8 PC240LC-8<br>PC270/LC-8 PW180-7<br>PW200-7 PW220-7 | WA250-6<br>WA320-6<br>WA320PZ-6<br>WA380-6<br>WA380Z-6<br>WA380-7 | | GD555-5<br>GD655-5<br>GD675-5<br>BR380JG-1E0 |
| SAA6D107E-2 | D61EX/PX-23 | PC210/LC-10 PC290LC/NLC-10<br>PC240LC/NLC-10 | | | |
| S6D108-1 | | | WA380-3 | | |
| S6D114E-1 | D68ESS-12 | | | | |
| SA6D114E-2 | D63E-12 | | | | |
| SAA6D114E-2 | | PC300/LC-7 PC350/LC-7<br>PC360-7 | WA380-5 | | |
| SAA6D114E-3 | D65EX/PX-16 | PC300/LC-8 PC350LC-8 | WA430-6 | | |
| SAA6D114E-5 | D65EX/PX-17<br>D65WX-17 | PC360LC/NLC-10<br>PC390LC-10 | | | |
| 6D125 | | | | | GD663A-2 |
| S6D125-1 | | | WA470-3 | | GD705A-4 |
| S6D125-2 | D85ESS-2 | | | | |
| S6D125E-2 | D85C-21<br>D85ESS-2A | | | | |
| SAA6D125E-3 | | PC400/LC-7 PC450/LC-7 | WA430-5<br>WA470-5<br>WA470-5 | HM300-1<br>HM350-1<br>HD255-5 | |
| SAA6D125E-5 | D85EX/PX-15E0<br>D85EX/PX-15R0 | PC400/LC-8 PC450/LC-8<br>PC400/LC-8R PC450/LC-8R<br>OC550LC-8 | WA470-6<br>WA480-6 | HM300-2<br>HM300-2R | BR580JG-1 |
| SAA6D125E-6 | | PC490LC-10 | WA470-7 | HM300-3 | |
| S6D140E-2 | | | | | GD825A-2 |



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| Engine Model | Machine | | | | |
|---|---|---|---|---|---|
| | Bulldozer | Excavator | Wheel Loader | Dunp Truck | Other |
| SA6D140-2 | D155C-1<br>D355C-3 | | | | |
| SA6D140E-2 | D155A-5 | | | | |
| SA6D140E-3 | | PC600/LC-7 | WA500-3 | | |
| SAA6D140E-3 | | PC750-7<br>PC800-7 | | HD325-6 HM400-1<br>HD405-6 | |
| SAA6D140E-5 | D155A-6<br>D155AX-6<br>D275A-5R<br>D275AX-5E0 | PC600/LC-8R1 PC600/LC-8E0<br>PC650LC-8E0 PC650LC-8R<br>PC700LC-8E0 PC700LC-8R<br>PC800/LC-8E0 PC800/LC-8R1<br>PC850-8E0 | WA500-6<br>WA500-6R | HD325-7 HM350-2<br>HD325-7R HM350-2R<br>HD405-7 HM400-2<br>HD405-7R | |
| SAA6D140E-6 | D155AX-7 | | WA500-7 | HM400-3 | |
| SDA6D140E-3 | D275A-5 | | | | |
| SA6D170E-3 | D375A-5 | | | | |
| SAA6D170E-3 | | PC1250-7 | WA600-3<br>WA700-3 | HD465-7<br>HD605-7 | WD600-3 |
| SAA6D170E-5 | D375A-6<br>D375A-6R<br>D375A-5R | PC1250/LC-8 PC1250-8R | WA600-6<br>WA600-6R | HD465-7R HD605-7R<br>HD465-7E0 HD605-7E0 | WD600-6 |
| SA12V140-1 | | | WA800-3<br>WA900-3 | | WD900-3 |
| SAA12V140E-3 | D475A-5E0 | PC2000-8 | WA800-3E0<br>WA900-3E0 | HD785-7 | |
| SAA12V140E-5 | D475A-5E0 SD | | | | |
| SA12V170E-3 | D575A-3<br>D575A-3 SD | | | | |
| SSA12V159 | | PC3000-6 (Tier 1) PC5500-6 (Tier 1) | | | |
| SSA12V159E-2 | | PC3000-6 (Tier 2) PC5500-6 (Tier 2) | | | |
| SDA12V160 | | | | HD1500-7 (Tier 1) | |
| SDA16V159 | | | | 730E | |
| SDA16V159E-2 | | | | HD1500-7 (Tier 2) | |
| SDA16V160 | | PC4000-6 (Tier 1) | | 830E-AC | |
| SDA16V160E-2 | | PC4000-6 (Tier 2) PC8000-6 (Tier 2) | | | |
| SSDA16V160 | | | | 860E-1K 930E-4 | |
| SSDA16V160E-2 | | | WA1200-6 | | |
| SSDA18V170 | | | | 930E-4SE 960E-2<br>960E-2K | |



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## Fueling deration rate

| | ENGINE | 0 ~ 750 m (0 ~ 2500 ft.) | 750 ~ 1500 m (2500 ~ 5000 ft.) | 1500 ~ 2300 m (5000 ~ 7500 ft.) | 2300 ~ 3000 m (7500 ~ 1000 ft.) | 3000 ~ 3800 m (10000 ~ 12500 ft.) | 3800 ~ 4600 m (12500 ~ 15000 ft.) |
|---|---|---|---|---|---|---|---|
| D31EX/PX-22 | SAA4D95LE-5 | 100 | 100 | 100 | 100 | 97 | 97 |
| D37EX/PX-22* | SAA4D95LE-5 | 100 | 100 | 100 | 100 | 97 | 97 |
| D37EX/PX-23* | SAA4D95LE-6 | 100 | 100 | 100 | 100 | 99 | 98 |
| D39EX/PX-22* | SAA4D107E-1 | 100 | 100 | 100 | 98 | 97 | 85 |
| D39EX/PX-23* | SAA4D95LE-6 | 100 | 100 | 100 | 97 | 93 | 87 |
| D51EX/PX-22* | SAA6D107E-1 | 100 | 100 | 100 | — | — | — |
| D61EX/PX-15E0* | SAA6D107E-1 | 100 | 100 | 100 | — | — | — |
| D61EX/PX-23* | SAA6D107E-2 | 100 | 100 | 100 | — | — | — |
| D63E-12 | SA6D114E-2 | 100 | 100 | 100 | 100 | — | — |
| D65EX-12 | SA6D125E-3 | 100 | 100 | 100 | 100 | 100 | 96 |
| D65EX/PX-16* | SAA6D114E-3 | 100 | 100 | 100 | 100 | 97 | — |
| D65EX/PX-17* | SAA6D114E-5 | 100 | 100 | 100 | 95 | 85 | — |
| D68ESS-12 | S6D114E-1 | 100 | 100 | 100 | 100 | 95 | 81 |
| D85ESS-2 | S6D125-2 | 100 | 100 | 100 | 100 | 100 | 96 |
| D85EX/PX-15E0* | SAA6D125E-5 | 100 | 100 | 100 | 100 | 100 | 100 |
| D85EX/PX-15R* | SAA6D125E-5 | 100 | 100 | 100 | 100 | 100 | 100 |
| D155A-5 | SA6D140E-2 | 100 | 100 | 100 | 100 | 97 | 86 |
| D155A-6* | SAA6D140E-5 | 100 | 100 | 100 | — | — | — |
| D155AX-6* | SAA6D140E-5 | 100 | 100 | 100 | — | — | — |
| D155AX-7* | SAA6D140E-6 | 100 | 100 | 100 | 100 | — | — |
| D275A-5 | SDA6D140E-3 | 100 | 100 | 100 | 100 | 100 | 90 |
| D275A-5R | SAA6D140E-5 | 100 | 100 | 100 | 100 | 98 | 93 |
| D275AX-5E0* | SAA6D140E-5 | 100 | 100 | 100 | 100 | 96 | 90 |
| D375A-5* | SA6D170E-3 | 100 | 100 | 100 | 93 | 84 | 78 |
| D375A-5R* | SAA6D170E-5 | 100 | 100 | 100 | 100 | 96 | 92 |
| D375A-6* | SAA6D170E-5 | 100 | 100 | 97 | 92 | 87 | 80 |
| D375A-6R* | SAA6D170E-5 | 100 | 100 | 100 | 100 | 95 | 89 |
| D475A-5E0** | SAA12V140E-3 | 100 | 100 | 100 | 98 | 97 | 94 |
| D475/ASD-5E0** | SAA12V140E-3 | 100 | 100 | 100 | 98 | 97 | 94 |
| D575A-3 | SA12V170-1 | 100 | 100 | 100 | 100 | — | — |
| D575A-3 SD | SA12V170-1 | 100 | 100 | 100 | 100 | — | — |
| | | | | | | | |
| PC60-8 | SAA4D95LE-5 | 100 | 100 | 100 | 100 | — | — |
| PC70-8 | SAA4D95LE-5 | 100 | 100 | 100 | 100 | — | — |
| PC78US-8* | SAA4D95LE-5 | 100 | 100 | 100 | 100 | — | — |
| PC88MR-8* | SAA4D95LE-5 | 100 | 100 | 100 | 100 | — | — |
| PC110-7 | SAA4D95LE-3 | 100 | 100 | 100 | 100 | 95 | 90 |
| PC118MR-8 | SAA4D95LE-5 | 100 | 100 | 100 | 100 | 95 | 90 |
| PC130-8* | SAA4D95LE-5 | 100 | 100 | 100 | 100 | 95 | 90 |
| PC130-7 | SAA4D95LE-3 | 100 | 100 | 100 | 100 | 95 | 90 |
| PC138US-8* | SAA4D95LE-5 | 100 | 100 | 100 | 100 | 95 | 90 |
| PC138USLC-10 | SAA4D95LE-6 | 100 | 100 | 100 | 100 | 100 | 96 |
| PC160LC-8* | SAA4D107E-1 | 100 | 100 | 100 | 100 | — | — |
| PC160LC-7 | SAA4D102E-2 | 100 | 100 | 100 | 95 | 90 | 80 |
| PC190LC/NLC-8* | SAA4D107E-1 | 100 | 100 | 100 | 100 | — | — |
| HB205/215LC-1* | SAA4D107E-1-A | 100 | 88 | 82 | 80 | — | — |
| PC200/LC-8* | SAA6D107E-1 | 100 | 100 | 100 | 100 | 100 | 95 |
| PC200/LC-8M0* | SAA4D107E-1 | 100 | 100 | 100 | 100 | 100 | 95 |
| PC200/LC-7 | SAA6D102E-2 | 100 | 100 | 100 | 100 | 90 | 85 |
| PC210/LC-10* | SAA6D107E-2 | 100 | 100 | 100 | — | — | — |
| PC210/LC/NLC-8* | SAA6D107E-1 | 100 | 100 | 100 | 100 | 100 | 95 |
| PC220/LC-8* | SAA6D107E-1 | 100 | 100 | 100 | 100 | 99 | 92 |
| PC220/LC-8M0* | SAA6D107E-1 | 100 | 100 | 100 | 100 | 99 | 92 |
| PC220/LC-7 | SAA6D102E-2 | 100 | 100 | 100 | 100 | 90 | 85 |
| PC228US/USLC-8* | SAA6D107E-1 | 100 | 100 | 100 | 100 | 100 | 95 |
| PC230NHD-8* | SAA6D107E-1 | 100 | 100 | 100 | 100 | 99 | 92 |

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(3)*: With automatic altitude deration
(4)**: Automatic deration depending on altitude and turbo inlet air temperature (ambient temperature) is applied only to SAA12V140E-3.
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|---|---|---|---|---|---|---|---|
| PC240LC/NLC-10* | SAA6D107E-2 | 100 | 100 | 100 | — | — | — |
| PC240LC-8* | SAA6D107E-1 | 100 | 100 | 100 | 100 | 99 | 92 |
| PC270/LC-8* | SAA6D107E-1 | 100 | 100 | 100 | 100 | 92 | 76 |
| PC270-7 | SAA6D102E-2 | 100 | 100 | 100 | 95 | 90 | 85 |
| PC290LC/NLC-10* | SAA6D107E-2 | 100 | 100 | 100 | — | — | — |
| PC300/LC-7,PC350/LC-7 | SAA6D114E-2 | 100 | 100 | 100 | 93 | 82 | 75 |
| PC300/350/LC-8* | SAA6D114E-3 | 100 | 100 | 100 | 93 | — | — |
| PC360LC/NLC-10* | SAA6D114E-5 | 100 | 100 | 100 | 99 | 87 | 76 |
| PC360-7 | SAA6D114E-2 | 100 | 100 | 100 | 93 | 82 | 75 |
| PC390LC-10* | SAA6D114E-5 | 100 | 100 | 100 | 99 | 87 | 76 |
| PC400/LC-7,PC450-7 | SAA6D125E-3 | 100 | 100 | 100 | 100 | 95 | 90 |
| PC400/450/LC-8* | SAA6D125E-5 | 100 | 100 | 98 | 95 | 87 | 82 |
| PC400/450/LC-8R* | SAA6D125E-5 | 100 | 100 | 100 | 99 | 92 | 82 |
| PC490LC-10* | SAA6D125E-6-A | 100 | 100 | 97 | 93 | — | — |
| PC550LC-8* | SAA6D125E-5-A | 100 | 100 | 98 | 95 | 87 | 82 |
| PC600/LC-8* | SAA6D140E-5 | 100 | 100 | 100 | 100 | 96 | 88.5 |
| PC600/LC-8Çq1* | SAA6D140E-5 | 100 | 100 | 100 | 100 | 97 | 89 |
| PC650LC-8R* | SAA6D140E-5 | 100 | 100 | 100 | 100 | 97 | 89 |
| PC600ÅE650/LC-8E0* | SAA6D140E-5 | 100 | 100 | 100 | 100 | 96 | 88.5 |
| PC600/LC-7 | SAA6D140E-3 | 100 | 100 | 100 | 92 | 85 | 78 |
| PC700LC-8E0* | SAA6D140E-5 | 100 | 100 | 100 | 100 | 96 | 88.5 |
| PC700LC-8R* | SAA6D140E-5 | 100 | 100 | 100 | 100 | 97 | 89 |
| PC750•800-7 | SAA6D140E-3 | 100 | 100 | 100 | 100 | 100 | 93 |
| PC800•850/LC-8E0* | SAA6D140E-5 | 100 | 100 | 98 | 92 | 84 | 76 |
| PC800•850-8R1* | SAA6D140E-5 | 100 | 100 | 100 | 100 | 96 | 88 |
| PC1250-7* | SAA6D170E-3 | 100 | 100 | 100 | 100 | 100 | 93 |
| PC1250/LC-8* | SAA6D170E-5 | 100 | 100 | 98 | 95 | 89 | 81 |
| PC1250-8R* | SAA6D170E-5 | 100 | 100 | 100 | 100 | 94 | 89 |
| PC2000-8** | SAA12V140E-3 | 100 | 100 | 100 | 100 | 94 | 89 |
| PC3000-6 | SAA12V159 | 100 | 100 | 100 | 100 | 92 | 84 |
| PC4000-6 | SDA16V160 | 100 | 100 | 100 | 100 | 100 | 92 |
| PC5500-6 | SSA12V159 | 100 | 100 | 100 | 100 | 92 | 84 |
| PC8000-6 | SDA16V160 | 100 | 100 | 100 | 100 | 96 | 86 |
| | | | | | | | |
| HD255-5 | SAA6D125E-3 | 100 | 100 | 100 | 100 | 94 | 87 |
| HD325-6,HD405-6 | SAA6D140E-3 | 100 | 100 | 100 | 100 | 97 | 86 |
| HD325-7,HD405-7* | SAA6D140E-5 | 100 | 100 | 100 | 98 | 92 | 82 |
| HD325-7R,HD405-7R* | SAA6D140E-5 | 100 | 100 | 100 | 100 | 96 | 89 |
| HD465-7,HD605-7* | SAA6D170E-3 | 100 | 100 | 100 | 100 | 94 | 86 |
| HD465-7E0,HD605-7E0* | SAA6D170E-5 | 100 | 100 | 97 | 92 | 85 | 79 |
| HD465-7R,HD605-7R* | SAA6D170E-5 | 100 | 100 | 100 | 100 | 93 | 88 |
| HD785-7** | SAA12V140E-3 | 100 | 100 | 100 | 98 | 95 | 86 |
| HD1500-7 | SDA12V160 | 100 | 100 | 100 | 100 | 100 | 98-88 |
| | SDA16V159E-2 | 100 | 100 | 100-96 | 96-86 | 86-76 | 76-66 |
| 730E | SSA16V159 | 100 | 100 | 100 | 100-92 | 92-82 | 82-72 |
| | SDA16V159E-2 | 100 | 100 | 100 | 100-92 | 92-82 | 82-72 |
| 830E-1AC | SDA16V160 | 100 | 100 | 100-92 | 92-82 | 82-72 | 72-62 |
| | SDA16V160E-2 | 100 | 100 | 100-92 | 92-82 | 82-72 | 72-62 |
| 860E-1K | SSDA16V160 | 100 | 100 | 100 | 100 | 98 | 98-88 |
| | SSDA16V160E-2 | 100 | 100 | 100 | 100 | 98 | 98-88 |
| 930E-4 | SSDA16V160 | 100 | 100 | 100 | 100 | 98 | 98-88 |
| | SSDA16V160E-2 | 100 | 100 | 100 | 100 | 98 | 98-88 |
| 930E-4SE | SSDA18V170 | 100 | 100 | 100 | 100 | 100 | 100 |
| 960E,960E-2K | SSDA18V170 | 100 | 100 | 100 | 100 | 100 | 100 |
| | | | | | | | |
| HM300-1 | SAA6D125E-3 | 100 | 100 | 100 | 100 | 93 | 86 |
| HM300-2* | SAA6D125E-5 | 100 | 100 | 100 | 93 | 85 | 78 |
| HM300-2R* | SAA6D125E-5 | 100 | 100 | 100 | 100 | 95 | 86 |

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|---|---|---|---|---|---|---|---|
| HM300-3* | SAA6D125E-6 | 100 | 100 | 100 | 100 | — | — |
| HM350-1 | SAA6D140E-3 | 100 | 100 | 100 | 100 | 100 | 100 |
| HM350-2* | SAA6D140E-5 | 100 | 100 | 100 | 100 | 99 | 93 |
| HM350-2R* | SAA6D140E-5 | 100 | 100 | 100 | 100 | 100 | 100 |
| HM400-1 | SAA6D140E-3 | 100 | 100 | 100 | 100 | 100 | 100 |
| HM400-2* | SAA6D140E-5 | 100 | 100 | 100 | 100 | 99 | 93 |
| HM400-2R* | SAA6D140E-5 | 100 | 100 | 100 | 100 | 100 | 94 |
| HM400-3 | SAA6D140E-6 | 100 | 100 | 100 | 98 | — | — |
| | | | | | | | |
| WA150-5 | SAA4D102E-2 | 100 | 100 | 100 | 100 | 86 | 75 |
| WA150-6* | SAA4D95LE-5 | 100 | 100 | 94 | 89 | 80 | 71 |
| WA150PZ-6* | SAA4D95LE-5 | 100 | 100 | 94 | 89 | 80 | 71 |
| WA200-5 | SAA6D102E-2 | 100 | 100 | 100 | 99 | 91 | 86 |
| WA200-6* | SAA4D107E-1 | 100 | 100 | 100 | 91 | 83 | 69 |
| WA200PZ-6* | SAA4D107E-1 | 100 | 100 | 100 | 91 | 83 | 69 |
| WA250-5 | SAA6D102E-2 | 100 | 100 | 100 | 93 | 86 | 81 |
| WA250-6* | SAA6D107E-1 | 100 | 100 | 100 | 100 | 100 | 100 |
| WA250PZ-6* | SAA6D107E-1 | 100 | 100 | 100 | 100 | 100 | 100 |
| WA320-3 CUSTOM | SA6D102E-2 | 100 | 100 | 100 | — | — | — |
| WA320-5 | SAA6D102E-2 | 100 | 100 | 100 | 82 | 78 | 65 |
| WA320-6* | SAA6D107E-1 | 100 | 100 | 100 | 90 | 84 | 78 |
| WA320PZ-6* | SAA6D107E-1 | 100 | 100 | 100 | 90 | 84 | 78 |
| WA380-3 | S6D108-1 | 100 | 100 | 100 | — | — | — |
| WA380-5 | SAA6D114E-2 | 100 | 100 | 100 | 96 | 87 | 80 |
| WA380-6* | SAA6D107E-1 | 100 | 100 | 100 | 100 | 90 | 75 |
| WA380Z-6* | SAA6D107E-1 | 100 | 100 | 100 | 100 | 90 | 75 |
| WA380-7* | SAA6D107E-2 | 100 | 100 | 100 | — | — | — |
| WA430-5 | SAA6D125E-3 | 100 | 100 | 100 | 100 | 100 | 95 |
| WA430-6* | SAA6D114E-3 | 100 | 100 | 100 | 93 | 87 | — |
| WA470-3 | S6D125-1 | 100 | 100 | 100 | 100 | 93 | 86 |
| WA470-5 | SAA6D125E-3 | 100 | 100 | 100 | 100 | 100 | 93 |
| WA470-6* | SAA6D125E-5 | 100 | 100 | 100 | 100 | 94 | 88 |
| WA470-7* | SAA6D125E-6 | 100 | 100 | 100 | 100 | — | — |
| WA480-6* | SAA6D125E-5 | 100 | 100 | 100 | 90 | 84 | 78 |
| WA500-3 | SA6D140E-3 | 100 | 100 | 100 | 98 | 91 | 85 |
| WA500-6* | SAA6D140E-5 | 100 | 100 | 100 | — | — | — |
| WA500-6R* | SAA6D140E-5 | 100 | 100 | 100 | 100 | 95 | 86 |
| WA500-7* | SAA6D140E-6 | 100 | 100 | 100 | 100 | — | — |
| WA600-3 | SAA6D170E-3 | 100 | 100 | 100 | 95 | 88 | 83 |
| WA600-6* | SAA6D170E-5 | 100 | 100 | 97 | 92 | 86 | 80 |
| WA600-6R* | SAA6D170E-5 | 100 | 100 | 100 | 100 | 95 | 90 |
| WA700-3* | SAA6D170E-3 | 100 | 100 | 96.5 | 92 | 84 | 76 |
| WA800-3, WA900-3 | SA12V140-1 | 100 | 100 | 100 | 95 | 90 | 80 |
| WA800-3E0** | SAA12V140E-3 | 100 | 100 | 100 | 98 | 92 | 83 |
| WA900-3E0** | SAA12V140E-3 | 100 | 100 | 100 | 95 | 88 | 78 |
| WA1200-6 | SSDA16V160E-2 | 100 | 100 | 100 | 100 | 100 | 88 |
| | | | | | | | |
| WD600-3 | SAA6D170E-3 | 100 | 100 | 100 | 95 | 88 | 83 |
| WD600-6 | SAA6D170E-5 | 100 | 100 | 97 | 92 | 86 | 80 |
| WD900-3 | SA12V140-1 | 100 | 100 | 100 | 95 | 90 | 80 |
| | | | | | | | |
| GD511A-1 | S6D95L-1 | 100 | 100 | 100 | 95 | — | — |
| GD555-3 | SAA6D102E-2 | 100 | 100 | 100 | 97 | 90 | 82 |
| GD555-5* | SAA6D107E-1 | 100 | 100 | 100 | 100 | 98 | 89 |
| GD655-5* | SAA6D107E-1 | 100 | 100 | 100 | 94 | 89 | 85 |
| GD663A-2 | 6D125-1 | 100 | 100 | 100 | 100 | 100 | — |
| GD675-5* | SAA6D107E-1 | 100 | 100 | 100 | 94 | 89 | 85 |
| GD705A-4 | S6D125-1 | 100 | 100 | 100 | 100 | 100 | 96 |

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|---|---|---|---|---|---|---|---|
| GD755-5R* | SAA6D125E-5 | 100 | 100 | 100 | 100 | 94 | 90 |
| GD825A-2 | S6D140E-2 | 100 | 100 | 100 | 100 | 100 | 94 |

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SECTION 12

# TIRES Sec 12

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SECTION 12

# TIRES

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| Service | TRA classification | Tread | Use |
|---|---|---|---|
| **Earthmover** | **E-1** | Rib | For front wheels of dump trucks |
| | **E-2** | Traction | For scrapers used on sandy ground and soft soil where traction is necessary. |
| | **E-3** | Rock | For dump trucks and scrapers used where resistance against external damage and abrasion is important. |
| | **E-4** | Rock Deep Tread | For scrapers and dump trucks used where resistance against external damage and abrasion is required. |
| | **E-7** | Flotation | For carry-all scrapers stronger than E3, used where only flotation is needed. |
| **Grader** | **G-1** | Rib | For front wheels of graders. |
| | **G-2** | Traction | For rear wheels of graders used where traction is necessary. |
| | **G-3** | Rock | For rear wheels of graders used where resistance against external damage and abrasion is necessary, rather than traction. |
| **Loader** | **L-2** | Traction | For loaders and dozers used on sandy ground where traction is necessary. |
| | **L-3** | Rock | For loaders and dozers used on mountain sand and on rocks where resistance against external damage and abrasion is necessary. |
| | **L-4** | Rock Deep Tread | For loaders and dozers used where resistance against external damage and abrasion is required to be stronger than those of L3. |
| | **L-4S** | Smooth Deep Tread | For loaders and dozers used where resistance against external damage and abrasion is required to be stronger than those of L-3S. |
| | **L-5** | Rock Extra-Deep Tread | For loaders and dozers used where resistance against external damage and abrasion is required to be stronger than L4. |
| | **L-5S** | Smooth Extra-Deep Tread | For loaders used where resistance against external damage and abrasion is required to be stronger than that of L-4S. |
| **Compactor** | **G-1** | Smooth Tread | For Tire rollers |
| **Log-skidder** | **G-1** | Intermediate | For skidder |


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## TIRE PATTERN

| TRA classfication | Maker | | | | |
|---|---|---|---|---|---|
| | BRIDGESTONE | MICHELIN | TOYO | GOODYEAR | YOKOHAMA |
| E1 | | XRIB | | | |
| E2 | *VKT, VHS<br>VSB, VFT<br>●VLT | XGC, XHC, XLB<br>XMP, XS, XVC<br>XNOPLUS Indice E | | ●GP-2B<br><br>●RL-2+ | |
| E3 | *VEL, *L317<br>*RL, *WL<br>*VL2, ●VMT<br>●VSTL | ●XADN<br>XAD65, XHAD<br>XKB, XTS, XRB<br>XRDN | ●T-332, ●T-351<br><br>●T-352, *G-18 | ●GP-3D, ●TL-3A+<br>*HRL-3A, *EV-3+<br>*RL-3+ | ●RT31, ●RL31<br>●RB31<br>*Y-38, *Y-67 |
| E4 | *VELS, *VRLS<br>*VRLSA, *ELS2<br>*RLS, *VMTP<br>*VZTP, *VMTS<br>*RLS2, *VALS<br>●VLTS | *X-QUARRY<br>*XDTA4<br>*XDRA<br>●XADT<br>XDC, XDM, XHD1<br>XHAUL, XKD1<br>XRS, XZH | *T-431, *T-433<br>*T-451, *T-452<br>*T-452A, *T-452B<br>*T-453, *G-18ET<br>*G-36ET<br>*G-36ETB | ●GP-4BAT<br>●GP-4D<br>*HRL-4B, *GP-4C<br>*RT-4A, *GP-4B<br>*RL-4J/4J II<br>*RL-4H/4H II<br>*RL-4A, *RL-4B | *RB41, *Y-523<br>*Y-530, *Y-523U |
| E7 | VSJ, AL, SCP2 | XRIB, XS | | | |
| G1 | RG | | R-3 | | Y-37 |
| G2 | VKT, FG, GL | XGLA2, XMPS<br>XSNOPLUS, XTLA | G-15, G-15A<br>G-57S | | RT21, Y-103<br>Y-25, Y420 |
| G3 | | XHA, XHAD, XHF<br>XLD, XRA, XRDN | | | Y-67 |
| G4 | | XLDD1, XRD1 | | | |
| G5 | | XLDD2 | | | |
| L2 | FG | XM27, XM37<br>XGLA2, XMPS<br>XTLA<br>XSNOPLUS | G-15, G-15A<br>G-22 | | Y103 |
| L3 | VSTL, TL<br>VL2, VL2A<br>VMT, RL | XHA, XHAD, XHF<br>XKA, XLD, XRA<br>XRDN, XZSL<br>STABIL'X XZSL | T-332, T-351<br>T-352, G-39<br>G-18, G-18A<br>G-18S, G-62 | | RT31, RL31, RB31<br>Y-575, Y-67<br>Y-526 |
| L4 | NL, RLS<br>RLS2 | XRD1A<br>XDD1A<br>XMINED1<br>XKD1, XLDD1 | G-64, T-453<br>G-18ET | | Y-545, Y-67ET<br>Y-522, Y-69ET<br>Y-69KET, Y-69U |
| L5 | VSDL, VSDT<br>DL<br>DL2, DL2A | XLDD2A<br>XMINED2<br>XRD2 | G-65A, S-26<br>G-65, S-26<br>G-25, G-55 | | Y-524, Y524Z<br>Y69KSET, Y-69SET<br>Y-525, Y-69U |

* : For Rigid Dump Truck
● : For Articulated Dump Truck



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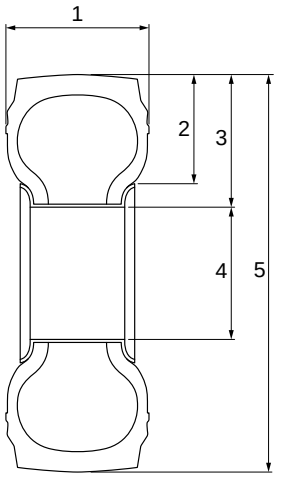

## 1. TIRE SIZE DESIGNATION

Indicating dimensions of tire:

Generally speaking the designation of tires refers to their size in inches and their ply rating (PR). The size of a tire means the width of and the diameter of the rim (inside diameter of tire), while the ply rating shows the strength of the carcass.

1. Tire width (cross-sectional width)
2. Tire height
3. Cross-sectional height
4. Rim diameter
5. Tire outside diameter

| | | | | | |
|---|---|---|---|---|---|
| Bias | Nominal tire width | - | Nominal rim diameter | - | Ply rating |
| | 24.00 | - | 49 | - | 48PR |
| Radial | Nominal tire width | - | Nominal rim diameter | - | Star mark |
| | 24.00 | - | 49 | - | ★★ |



FVBH0367

Nowadays the ply rating shows the strength of the tire; it no longer shows the number of layers of cord cloth. Originally the term "ply" did in fact refer to the number of layers of cord cloth, and was therefore an indication of the tire strength. But with the development of new materials, the original cotton cord cloth changed first to rayon and has now been replaced by nylon or steel wire.

This has made it possible to greatly increase the strength without increasing the number of layers of material. Consequently the term "ply rating" has come to be used to indicate the strength of the tire rather than to express the actual number of plies.

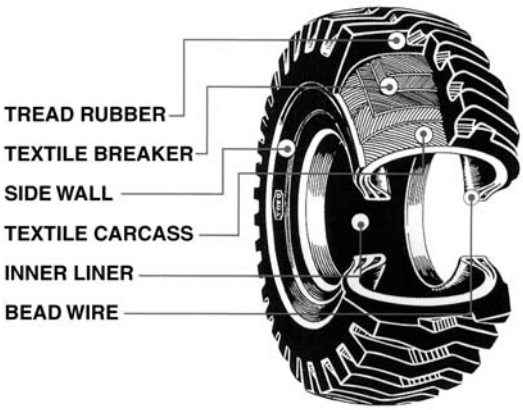
Stars (*,**,***) are used to indicate the strength of radial tires.

## 2. STRUCTURE AND FUNCTION OF TIRE

### 2-1 Conventional Tire

#### a) Tread

The tread compound used is resistant to abrasions and cuts. Tread patterns give the tire good traction, longer serviceability and higher resistance to cutting.




#### b) Breaker

Extra layers of rubber-coated cord are placed between the outer plies and the tread. They prevent cuts reaching the ply cords through tread, and absorb shocks.

#### c) Plies

A tire is composed of several layers of plies, coated on both sides by a rubber compound. These maintain inflation pressure of the tires supporting load. These plies are made of high tensile nylon cord.

The term "Ply Rating", according to the Tire and Rim Association (TRA), is defined as follows:

"A given tire with its maximum recommended load when used in specific type service. It is an index of tire strength and does not necessarily represent the number of cord plies in the tire."

#### d) Inner liner

The inner liner is a rubber layer covering the inside from bead to bead of a tubeless tire, corresponding to the tube of an ordinary tube tire. It prevents the loss of inflation pressure of the tire.


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**e) Beads**

Beads are the parts which fix the tire to the rim. All plies are tied into bundles of steel wire. The beads fit on the rim perfectly, preventing the tire from slipping out of the rim contour while the vehicle is in motion.

**f) O-Ring (rim packing)**

When the tire is inflated this rubber ring prevents air breaking through gaps in the rim.

**g) Side-walls**

Side-walls are covers made of a flexible rubber compound to protect the sides of the tire. Side-walls are designed to cushion the plies from shocks and cuts, and to flex and bend without cracking, under ordinary usage.

**h) Tubes and Flaps**

Function of the tube is to retain air or inert gases under pressure within the cord body. The flap protects the tube from damage by the rim and tire beads.

### 2-2 Shredded Wire Under Tread Tire

Shredded wire under tread tire has a special rubber layer strengthened by the shredded wire between the tread and breaker. The shredded wire rubber-layer has the following benefits.

(1) Protects against cuts, not only reducing repair expenses, but improving the overall performance of vehicles.

(2) Prevents small cuts from spreading.

(3) Prevents penetration into the tire of water, dust, mud and pebbles, which can lead to cut-separation.

(4) Cut-free strength ensures a greater number of recaps.

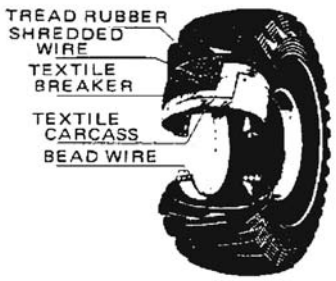



**Fig.3 Construction of shredded wire under tread tire**

### 2-3 Steel Breaker Tire

Rock pattern tires often feature breaker material. The breaker was changed from nylon to steel in order to resist cuts and cut bursts.

(1) Tread cuts do not extend to bursting.

(2) Puncturing of tires is reduced.

(3) There is less carcass damage to the tire so that tire can be re-treaded many times.

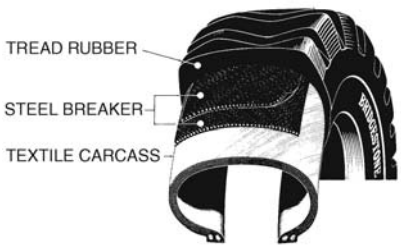



**Fig.4 Construction of steel breaker tire**

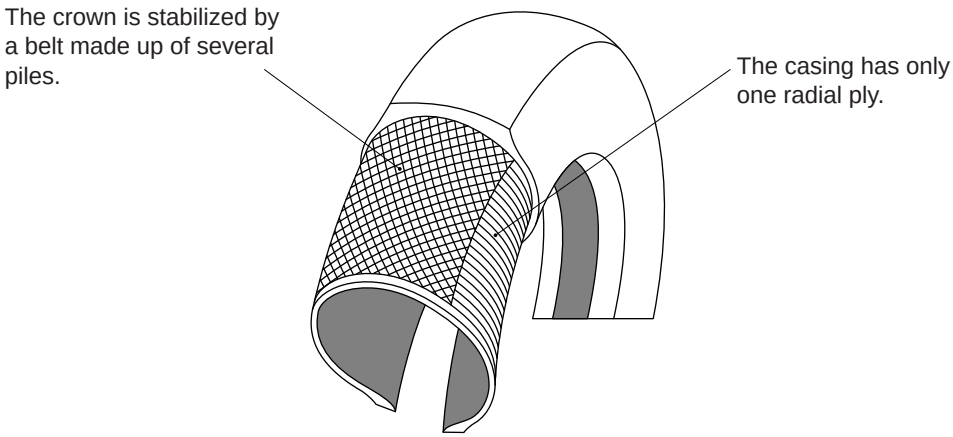
### 2-4 Side Steel Breaker Tire

In this tire the steel breaker is extended to the side-wall of the tire to protect it against side damage. The construction is similar to that described above.


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### 2-5 Radial Tire



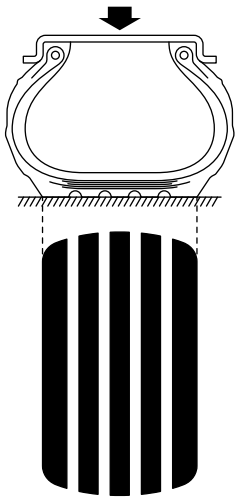

FVBH0370

The side-wall and tread areas function separately.

The tread is unaffected by the flexing of the side-walls, so there is:

- less deformation of the tire contact areas on the ground ;
- less friction with the ground.

There is no movement between casing plies.



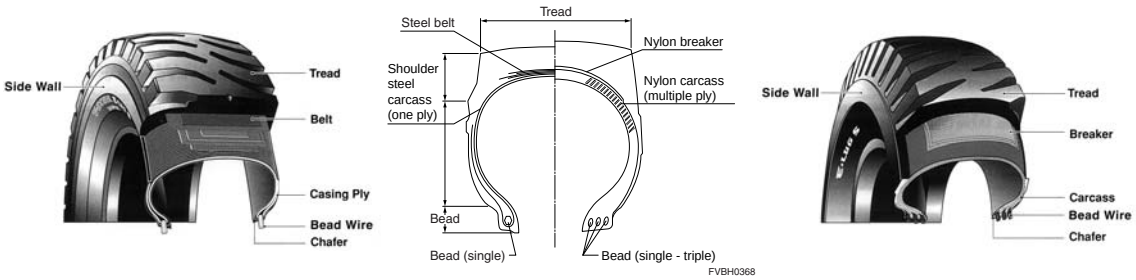
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## 3. COMPARISON OF BIAS AND RADIAL TIRES

### 3-1 Structure and features of tires

| | Structure of radial tires | Structure of bias tires |
|---|---|---|
| |  | |
| Carcass | The carcass cord faces in a radial direction (at 90° across the tire).<br>• There is one layer (ply) | The carcass cord faces at bias (angle to the tire).<br>• Several plies are placed on top of each other and at an angle to each other. |
| Side wall | Only a single ply is used, so the side wall is flexible.<br>• To improve the resistance of the side wall to cuts, the carcass is turned up. | The plies are placed on top of each other at an angle, so the side wall is thick. |
| Tread | To distribute the load around the circumference there is a steel belt layer which gives the tread high rigidity. | A breaker is used to protect the carcass and to prevent the tread and carcass from separating (Normally, a nylon breaker is used. Steel breakers are not suited for high speed travel.) |
| Bead | Single bead structure | There are multiple plies, so there are also multiple beads. (For dump trucks, there are normally three). |
| Tire inflation pressure | Because of the structure of the tire, the inflation pressure is higher than with bias tires. | Normally 5 - 7 kg/cm$^2$ |

### 3-2 Suitable tire

| Feature required | | Suitable | |
|---|---|---|---|
| | | Radial | Bias |
| Wear life | | ○ | |
| High speed travel (heat resistance) | | ○ | |
| Cut resistance | Penetration resistance | ○ | |
| | Sidecut resistance | | ○ |
| Fuel consumption | | ○ | |
| Travelability (traction, flotation) Riding comfort | | ○ | |
| | | ○ | |
| Cost | Initial cost | | ○ |
| | Operating cost | ○ | |


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## 4. TREAD PATTERN

The tread pattern can be divided broadly into the type in Fig. 1, which has no circumferential groove in the tread center, the type in Fig. 2, which has transversal grooves, and the type in Fig. 3, which has a block pattern. Generally speaking, the first type provides excellent resistance to cutting and wear, while the second type provides excellent traction on slippery surfaces. The block pattern is typical of radial tires giving good all round performance.

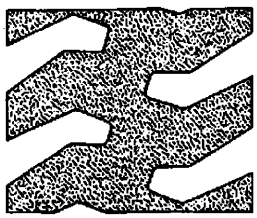


Fig.1

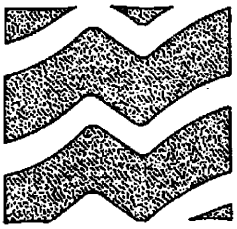


Fig.2

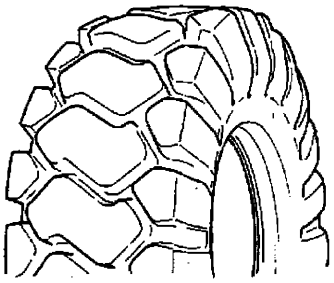


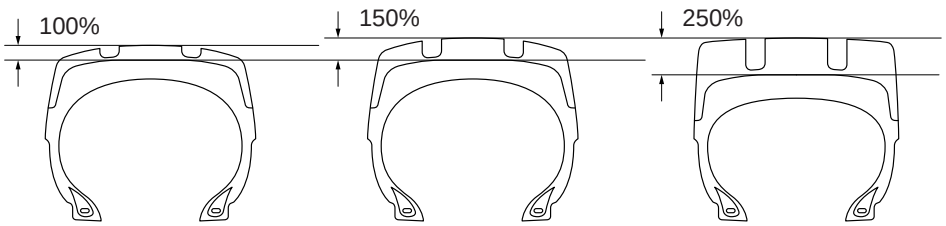
Fig.3

## 5. DEPTH OF TREAD GROOVE ON ROCK-TYPE TIRES

There are the following depths of grooves for dump truck tires. The main feature of the deep groove tire is the large amount of wear tolerance.

**Table 2-2**

| Category of groove depth | TRA code | General use | Groove depth |
|---|---|---|---|
| **General groove** | **E3** | Hard soil, general | 100 |
| **Deep groove** | **E4** | When it is necessary to have greater resistance to external damage and resistance to wear than with E 3. | Approx. 150 |




## 6. TKPH (TMPH)

The primary task of heavy-duty tires is to haul heavy loads faster and over longer distances. This heavy load hauling inevitably results in heat built-up inside the tires, and tires have limitation of temperature.

If this limitation is reached, deterioration of the tire will begin at an early stage of operation. Accordingly, it is necessary when selecting tires, to determine the amount of work will keep the tire within a safe range to avoid over-heating when a vehicle is operated under given conditions.

The amount of work done under the given conditions and within a safe range is shown as the "TON-KILO-PER-HOUR" ("TON-MILE-PER-HOUR") which can be determined by the following formula:

**TKPH(TMPH) = (Average tire load) × (Average speed)**

**Average tire load** = 1/2 (tire load when vehicle carries no load + tire load when vehicle is loaded)

$$\textbf{Average speed} = \frac{\text{round trip distance} \times \text{number of job cycles per day}}{\text{total hours of operation per day}}$$

- Total hours of operation include recess and dead time.


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## 7. TIRE CHARACTERISTICS

The optimum tires should be selected for their applicable operation or job and terrain conditions depending on the cutting (wear) resistance and heat resistance. These resistant qualities are indicated as follows:

### (1) CR (cutting resistance)

Excellent durability against cuts and wear due to excess road crown, imbedded or loose rocks, sharp objects, etc.

### (2) HR (Heat resistance)

A resistant quality against the internal heat generation makes a machine suitable for long hauls.

### (3) GP (General purpose)

Tires having medium degree of the above resistant qualities, CR and HR.

### (4) Shredded wire under tread and steel breaker types

These types of tires are made more durable against cuts than the CR with special precautions to limit tire wear and cutting by incorporating the layer of steel cord between tread and casing, or by providing a cord - reinforced rubber interlay between the tire cover and plies to shield the plies against penetration by sharp objects.

Selection of tires to match required characteristics (tire structure, quality of rubber)

| Specification / Required characteristics | | Tread rubber quality | | | Structure | | |
|---|---|---|---|---|---|---|---|
| | | Standard | Heat resistance | Cut resistance | Nylon breaker | Steel breaker | Side steel breaker |
| Wear resistance | | ○ | △ | ⊙ | ○ | ○ | ○ |
| Cut resistance | Tread | ○ | △ | ⊙ | ○ | ⊙ | ⊙ |
| | Side | ○ | ○ | ○ | ○ | ○ | ⊙ |
| Heat resistance | | ○ | ⊙ | △ | ○ | △ | △ |
| Traction, flotation | | ○ | ○ | ○ | ○ | ○ | ○ |

⊙ : Excellent ○ : Good △ : Fair

Because of the structure and quality of the rubber used for the tread, cut resistance and wear resistances are mutually opposite to heat resistance, so when selecting tires, always check the TKPH.

Depending on the tire, super heat-resistant (SHR) and super cut-resistant (SCR) tread rubber are available, so ask your tire distributor for details of tires that are not listed in the operation manual.


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## 8. TIRE INDENTIFICATION

| Tire characteristics | BRIDGESTONE | MICHELIN | YOKOHAMA | TOYO |
|---|---|---|---|---|
| CR<br>(Cut-resistant) | 2A<br>(cut-resistant)<br>2V*<br>(Special cut-resistance)<br>2Z*<br>(Special cut-resistance) | A4<br>A | CP<br>(Cut protected)<br>CP-C<br>(Cut protected specification)<br>CP-S<br>(Cut protected and reinforced specification) | CR<br>(Cut-resistant) |
| GP<br>(General purpose) | 1A<br>(Standard) | B4<br>B | REG<br>(Regular)<br>PE-R<br>(Regular specification)<br>RE-T<br>(Regular heat-resistant specification) | SP<br>(Standard purpose) |
| HR<br>(Heat-resistant) | 3A<br>(Heat-resistant) | C4<br>C | HR<br>(Heat resistant)<br>HR-H<br>(Heat-resistant specification)<br>HR-V<br>(Heat-resistant and reinforced specification) | HR<br>(Heat resistant) |

* Bias tire only

### Code indentification for MICHELIN tires

**Type A4**: Particularly resistant to cuts, tread tearing and abrasion on very rough surfaces.

**Type A**: Particularly resistant to cuts, tread tearing and abrasion at average speeds which are higher than those for A4 (above).

**Type B4**: Compromise solution between abrasion resistance and average speed on rough surfaces. (available in sizes 49 inch rim diameter and above)

**Type B**: Higher resistance to internal heat generation on surfaces which are not particularly rough.

**Type C4**: For running on long cycles at high speeds on well maintained roads.

**Type C**: Very high resistance to high average speeds on long cycles run on well maintained roads

### Code indentification for GOODYEAR

| Compound Code | Compound Type |
|---|---|
| 2 | Ultra Heat Resistant |
| 3 | Heat Resistant |
| 4 | Abrasion Resistant |
| 6 | Ultra Abrasion Resistant |

| Construction Code | Construction Type |
|---|---|
| S | Standard |
| H | Heavy Duty |
| HR | Heavy High Speed |
| HW | Extra Heavy Duty |


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**Selecting tires suitable to working conditions (Structure of tire and quality of rubber)**

Examples of procedure for selecting tires of dump truck and wheel loader

| | Procedure for selecting tires | | |
|---|---|---|---|
| Dump truck | (1) Carrying material in mine (limestone) or stone crushing pit (RDT, ADT) | | |
| | Tires generate little heat<br>Tires have high chance to be cut | Cut resistance<br>Abrasion resistance | Deep-groove (E-4)<br>Cut-resistant rubber<br>Steel breaker |
| | (2) Carrying material in mine (coal, iron ore, etc.) (RDT, ADT) | | |
| | Tires generate much heat<br>Tires have medium chance to be cut<br>Working speed is high | Heat resistance<br>Abrasion resistance<br>Cut resistance | General-groove,<br>deep-groove E3, E4<br>Heat-resistant tread rubber<br>Radial structure |
| | (3) Carrying material in dam construction or civil engineering field (RDT, ADT) | | |
| | Tires generate much heat<br>Tires have medium chance to be cut | Heat resistance<br>Abrasion resistance<br>Cut resistance | General-groove,<br>deep-groove (E3, E4)<br>Heat-resistant tread rubber<br>Radial structure |
| | (4) Carrying material on soft (muddy) ground (ADT) | | |
| | Tires generate little heat<br>Tires have high chance to be cut<br>Ground pressure is low | Cut resistance<br>High floating performance<br>Abrasion resistance | General-groove,<br>deep-groove (E3, E4)<br>Heat-resistant tread rubber<br>Radial structure |
| Wheel loader | (1) Mining and collecting natural stones | | |
| | Tires generate little heat<br>Tires have high chance to be cut<br>Abrasion life is short | Cut resistance<br>Abrasion resistance | Deep-groove or ultra deep-groove (L-4, L-5)<br>Cut-resistant tread rubber<br>General-groove (L3) + Steel breaker or side steel breaker |
| | (2) Loading products of mine or stone crushing pit | | |
| | Tires generate little heat<br>Tires have low chance to be cut<br>Abrasion life is long | Durability of carcass<br>Crack resistance<br>(Deterioration) | General-groove (L3) |
| | (3) Loading and carrying sand and gravel | | |
| | Tires generate little heat<br>Tires have little chance to be cut<br>Abrasion life is long | Durability of carcass<br>Crack resistance<br>Traction | General-groove (L3)<br>Traction (L-2) |
| | (4) Load and carry operation | | |
| | Tires generate much heat<br>Tires have little chance to be cut<br>Abrasion life is long | Heat resistance<br>Crack resistance | Heat-resistant tread rubber<br>General-groove (L3)<br>Traction (L-2) |

**NOTE:** Some tires in the above table cannot be selected for some destinations.


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SECTION 13A

# FOR SEVERE ENVIRONMENTS

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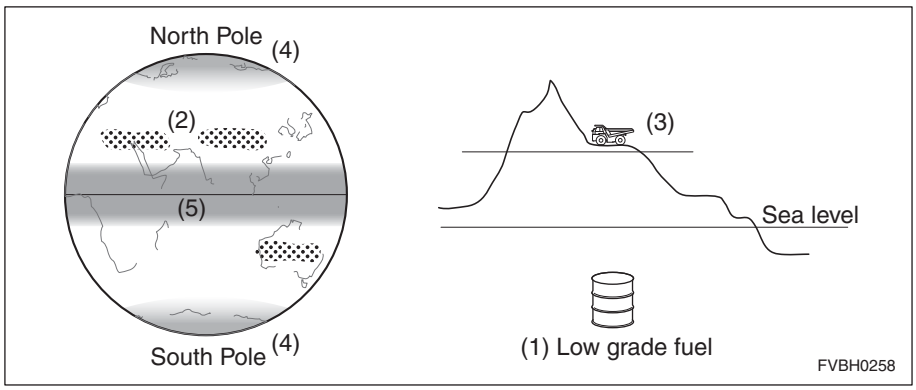

KOMATSU products are designed to meet various application requirements in a wide range of natural environment and social situations on the globe. For operation under extremely severe environmental conditions, where the mere standard spec is inadequate, KOMATSU offer a variety of options for special application to be added to or substituted for the standard spec so as to reach the full potential of the machine even in such conditions.

Machine operating conditions that require special care are as follows:

- Fuel quality: (1) areas where low grade fuel is generally used
- Ambient air quality: (2) areas where sand/dust will be thickly blown up
- Altitude: (3) areas at very high altitudes
- Ambient air temperature: (4) areas whose climate is cold or frigid, (5) tropical regions

In this chapter, why such special care is necessary and what are in the special spec are explained with typical examples.

It is recommended to consult KOMATSU through the distributor for actual choice of a spec for such special application.





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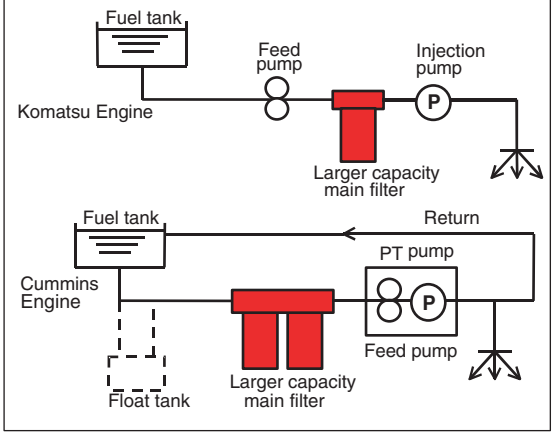
The quality of fuel depends on the districts and fuel suppliers. In addition, if the fuel is stored under bad condition, its quality may be lowered.

1) Dirt

Since dirt in the fuel clogs the filter quickly, it can lower the engine power. In addition, it can lower circulation of the fuel and wear the internal parts of the injection pump quickly. To solve this problem, a filter of finer mesh should be used or the number of filters should be increased.

(Additional fuel filter for low grade fuel)

**Additional Fuel Filter**
Point: Increased filtration area and/or number of filters to avoid clogging due to low grade fuel (A heavy oil, etc)

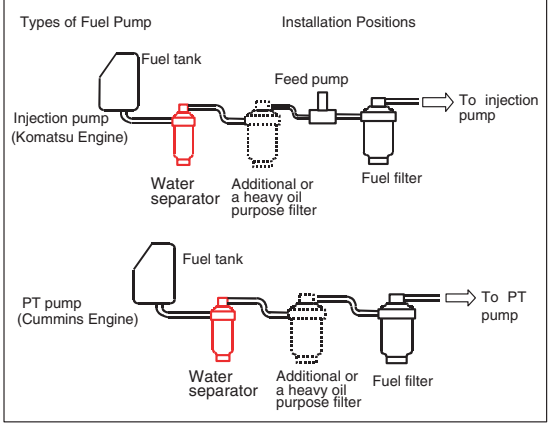


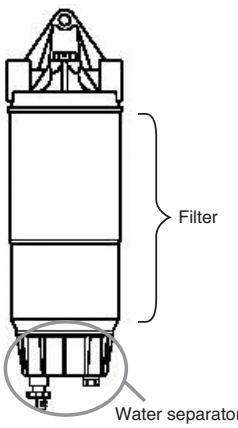

This figure shows an example.
It is not applicable to every model.

2) Water

Water in fuel rusts the fuel piping. In addition, it lowers lubrication performance, and that wear the sliding parts of the injector, injection pump, etc. To solve this problem, a water separator should be installed.

**Water Separator**
Point: Fuel-water separator to be installed when there are water contamination (>0.1%) risks due to poor fuel storage or environmental factor




Example) Filter and water separator unit

3) Sulfur

If fuel contains sulfur, sulfuric acid is produced and it accelerates internal corrosion. If it is obliged to use fuel containing sulfur by 0.5% or more, use high TBN (Total Base Number) oil.

If fuel containing sulfur is used, the oil is deteriorated quickly and it should be replaced at shorter intervals.

For detail, see MAINTENANCE in the Operation & Maintenance manual.



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This specification should be applied to not only sandy terrain but also dusty terrain. It is essential when the view range is 0 meter.

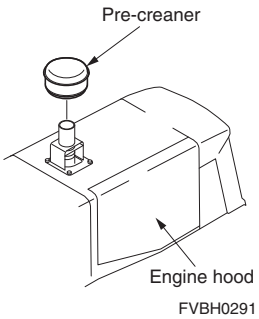
1) Quick clogging of air cleaner

If the air cleaner is clogged quickly, the engine power lowers, the exhaust temperature rises, and wear of the internal parts of the engine is accelerated. If the exhaust temperature rises above the allowable level, the cylinder head may crack and the valves may melt.

In addition, the rotating parts are worn quickly and the radiator core fins are also worn quickly by the collision of grains of sand. The radiator dust-proof grid is prepared to prevent quick wear of the radiator core fins. It is not necessary, however, if the hydraulic suction fan is installed.

2) Cyclone-type pre-cleaner

While the dust accumulated in the conventional US pre-cleaner must be removed by hand, the dust swirled and sucked into TURBO-II and Enginaire (as example) are discharged automatically by a centrifugal force.




(Example)




TURBO-II



Enginaire

3) 5-stage dust indicator

The 5-stage dust indicator shows how much the air cleaner is clogged and if the air cleaner can be used again after it is cleaned.

(Example)

Conventional type




OK/NG (not OK) display only

New type




New part number: 08672-01000
(Current part number: 600-184-1920)
<The main unit and connectors are set.>

Negative pressure display part
The clogging state is self-evident from the five stages scale displayed on the yellow display unit.

The air cleaner element must be replaced with new one after it is cleaned 6 times. If this new indicator is used, however, the air cleaner element can be replaced according to its clogging condition. As a result, the maintenance cost can be reduced.



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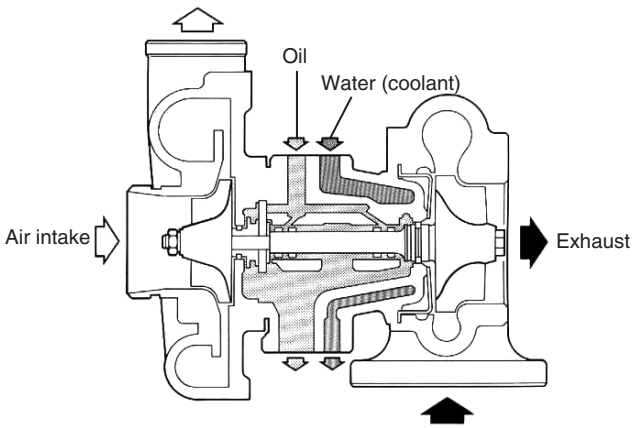
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As altitude is increased, air is more rarefied (atmospheric oxygen is reduced) and the quantity of fuel is increased for the quantity of air. As a result, combustion becomes incomplete and the exhaust temperature rises. The rise of the exhaust temperature can cause a serious engine trouble such as melting of the valves. In addition, the air resistance decreases and the turbocharger speed rises extremely and its lifespan is shortened remarkably.

1) The fuel injection rate must be reduced to secure a proper air-fuel ratio for combustion. If a mechanical injection pump is employed, it must be readjusted mechanically. If fuel is controlled electronically, the software of the engine controller must be changed.

2) Turbocharger
   1) The turbocharger may need to be replaced with one equipped with an over-speed prevention device.
   2) The turbocharger may need to be replaced with a water-cooled one to prevent shortening of its lifespan caused by high temperature.

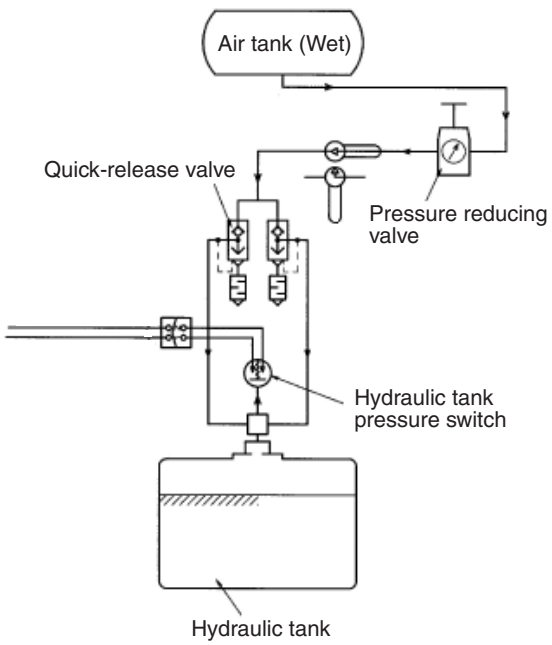
   (Example: Water-cooled turbocharger)




3) Pressurized hydraulic tank

   As the atmospheric pressure lowers, the hydraulic oil may be aerated, and that may cause cavitation in pumps. To prevent this problem, a pressurizing system may be required.

   (Example: Pressurization of hydraulic tank of HD785-5)



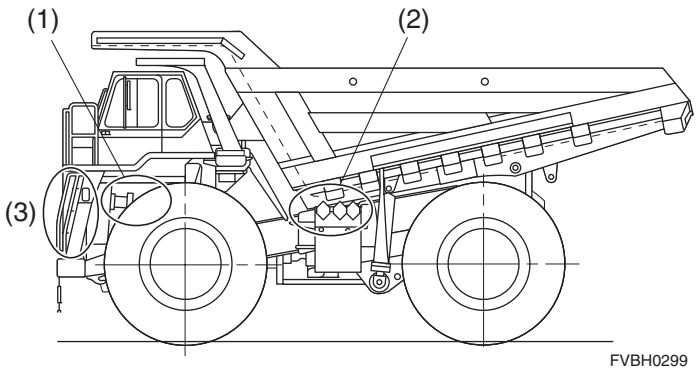

It is reported that simple pressurization with a conventional tank cap is sufficient for a machine equipped with a hydraulic tank at a high position like a hydraulic excavator.

Necessity of pressurizing system must be checked for each model.

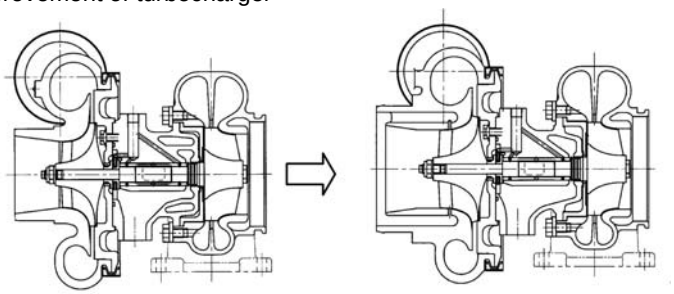

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(Example: HD785-5 with high altitude specification)




1) Change of engine specifications
   - Improvement of turbocharger

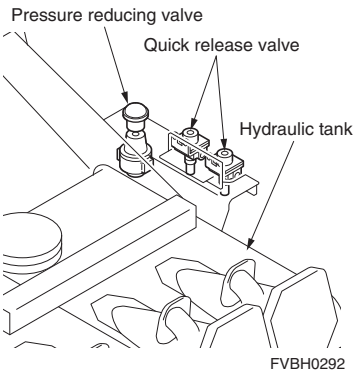


Current turbocharger

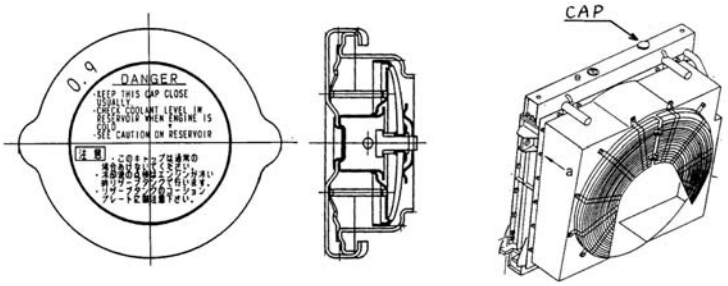
Improved turbocharger
Inlet circulation type

   - Derating of engine output
     Fuel injection derating: 20%

2) Pressurization of hydraulic tank
   The hydraulic tank is pressurized with air to prevent cavitation caused by lowering of suction pressure of the hydraulic pumps.




3) Pressurization of radiator
   The radiator cap is replaced to prevent lowering of boiling point at high altitude.




Standard specification: 0.7 kg/cm$^2$ -> High-altitude specification: 0.9 kg/cm$^2$


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In a cold district or a cold season, the engine does not start easily because of the low temperature. The reasons for this phenomenon is that the battery lowers in function and cannot supply a necessary current and the resistance to rotation increases as the viscosity of the lubricating oil of the power train and hydraulic oil increases. In addition, if the temperature lowers below -20°C, the oil in the track rollers and final drive solidifies. As a result, the floating seals are dragged and the O-rings are broken, and that can cause internal breakage.

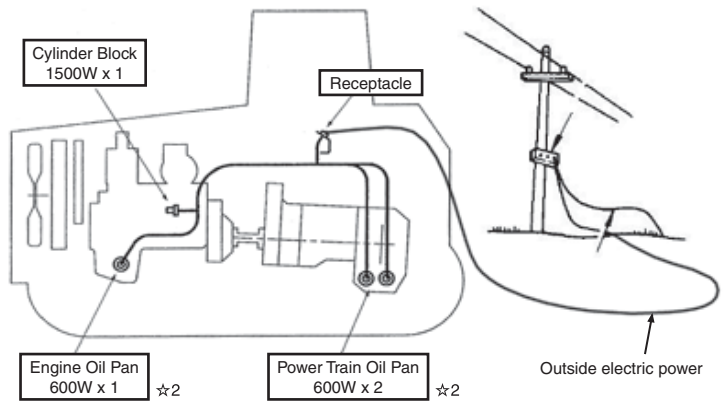
To solve these problems, the following measures are necessary.

(Example)

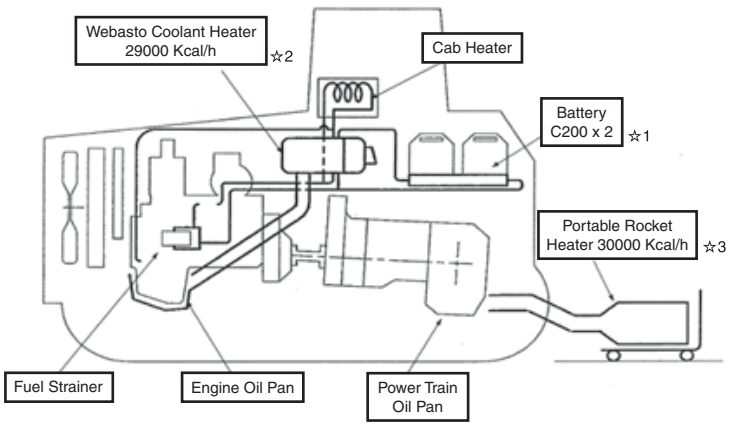
| Part / Spec / Minimum ambient temp. | Cold weather<br>-30 ~ -20°C | Extremely cold weather<br>-50 ~ -30°C | Note | Purpose |
|---|---|---|---|---|
| Battery (☆1)<br>Starting motor<br>Alternator | Large-capacity<br>Large-capacity<br>Large-capacity | Large-capacity<br>Large-capacity<br>Large-capacity | Cable | Improvement of startability (On drive side) |
| Measures to prevent overcooling<br>• Reversible fan | Necessary | Necessary | Since hydraulic driven fan can rotate in reverse, reversible fan is not necessary. | Prevention of lowering of power |
| • Radiator curtain<br>• Radiator shutter<br>• Kilting | Necessary<br>Unnecessary<br>Unnecessary | Necessary<br>Necessary<br>Necessary | | |
| Reduction of dragging torque<br>• Oil pan heater (☆2)<br>• Combustion heater (☆3) | Unnecessary<br>Unnecessary | Necessary<br>Necessary | | Improvement of startability (Lowering of resistance on driven side) |
| Undercarriage<br>• Employment of seals coated with nylon<br>• Employment of oil which does not solidify even at -55°C | Necessary<br>Necessary | Necessary<br>Necessary | | Prevention of breakage of undercarriage caused by solidification of oil |

(Example) D275A-5 with extremely cold weather specification (cold weather specification for CIS)

1) Warmth keeping for easy engine start




2) Preheating system for low-temperature start






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## Arctic Temperature Requirements for the Komatsu Hydraulic Mining Shovels PC 3000 / PC 4000 / PC 5500 / PC8000

| Elements | Temperature down to –25°C | Temperature down to –40°C | Temperature down to –50°C |
|---|---|---|---|
| High stress steel structure | X | manufacture's check ISO V-notch test 27 J at –40°C | manufacture's certificate ISO V-notch test 27 J at –50°C |
| Castings and forgings | X | manufacture's check ISO V-notch test 27 J at –40°C | manufacture's certificate ISO V-notch test 27 J at –50°C |
| Screws and bolts | X | material change | material change |
| Electric cable | X | material change | material change |
| Batteries | X | preheating | preheating |
| Hoses | X | X | ICE-Champion flange sealings changed |
| Engine start | ether start | preheating + ether start | preheating + ether start low idle adjusted to 1100 rpm |
| Engine coolant | X | preheating | preheating |
| Engine oil | X | preheating | preheating |
| Hydraulic oil | X | preheating | preheating |
| Pump drive gear boxes | X | preheating | preheating |
| Cab base electric cabinet | X | preheating | preheating |
| Cab | X | preheating | preheating |
| Machinery house | X | X | preheating closed from below air-inlet and - outlet reduced |
| Sealings | X | partly material change | partly material change |
| Cylinder | X | material change of bolts | material change of sealings and scraper |
| Travel motor | X | X | preheating by hydraulic circuit |

X = standard delivery (no changes)



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If the machine is used in a jobsite where the atmospheric temperature exceeds +40°C and rises up to +50°C, the temperature of the coolant and lubricating oil may rise above the allowable limit. Under this condition, the engine and power train overheat and the lifespan of each part is shortened.

1) Large-sized radiator cooling fans

   It is necessary to cool the coolant and lubricating oil properly. (Example: HD785-5, HD985-5)

2) Antifreeze

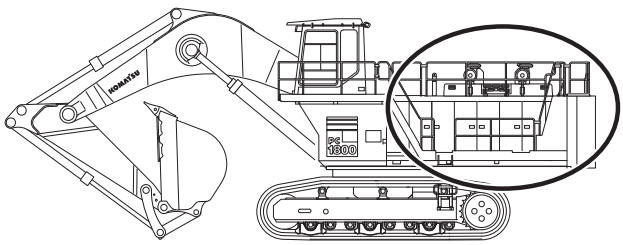
   Antifreeze is not necessary naturally. Since fresh water is used, the heat balance is improved about 4°C. Corrosion resistor must be added and replaced periodically, however, to prevent rusting of inside of the engine.

   It is also important for protection of the engine to use soft water such as city water, since water in rivers and ponds is hard in many cases.

Some large-sized models for Australia can operate up to +55°C.

(Example) PC1800-6 with +55°C specification

1) Large-sized radiator cooling fan
   - Increase of oil cooler capacity
   - Increase of radiator capacity
   - Increase of fan diameter and speed
   - Improvement of air flow in engine hood (Addition of perforated cover for door on pump side and duct on radiator side)



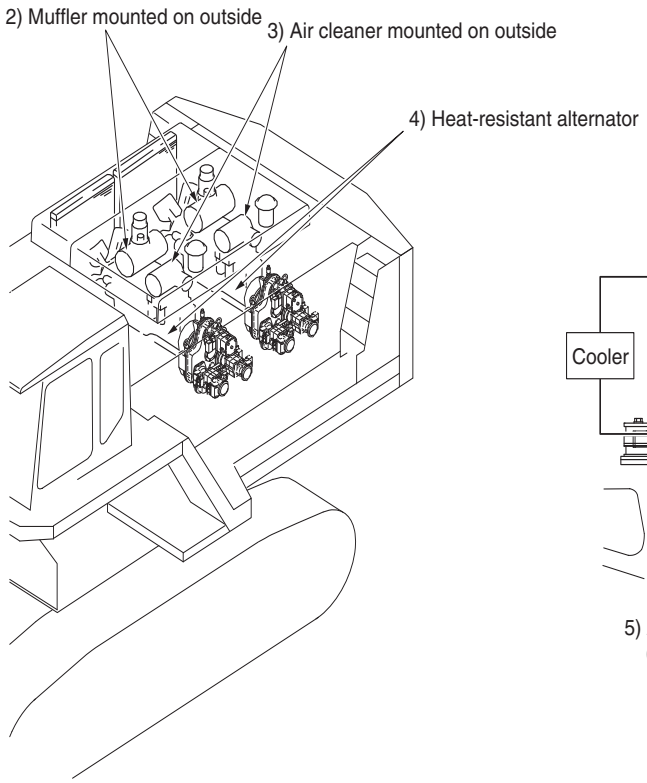
FVPM2967A

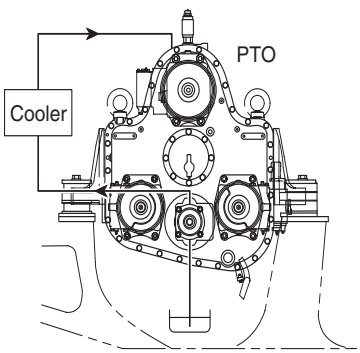
2) Muffler mounted on outside

3) Air cleaner mounted on outside

4) Heat-resistant alternator

5) Additional PTO cooler (installed in front of radiator)




5) Additional PTO cooler
(Installed in front of radiator)

FVBH0293


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# SECTION 13B

# FOR MINING

## CONTENTS


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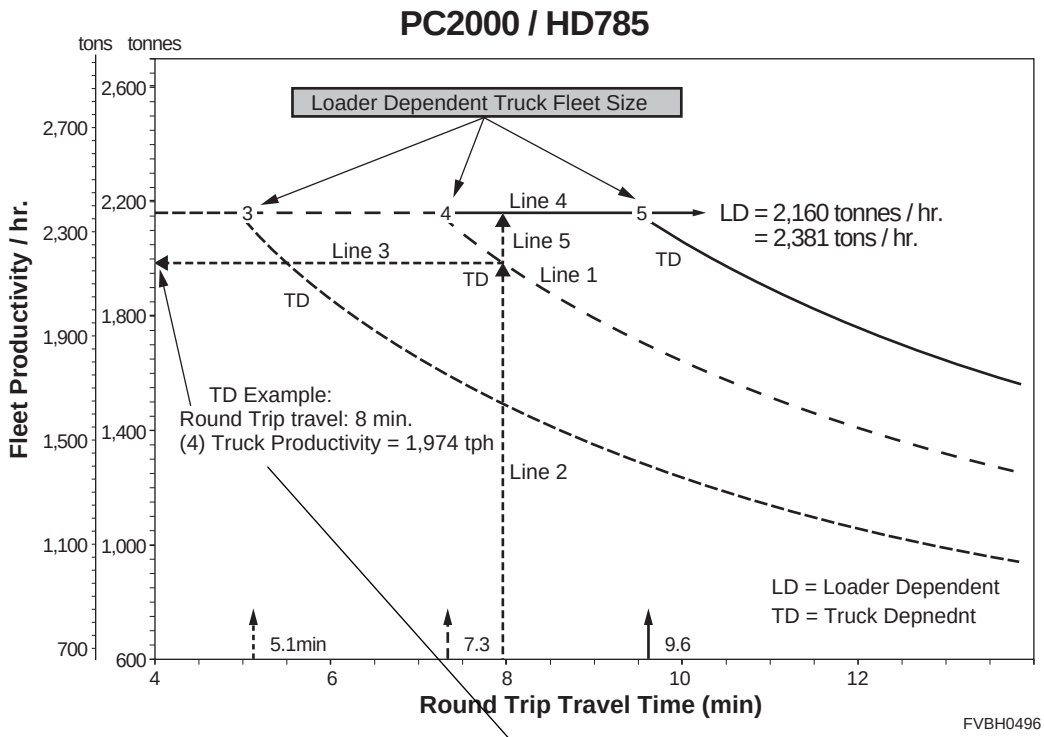

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## What is HAT?

- The Haulage Analysis Tool (HAT) v4.0 software program generates haulage fleet performanceresults in both graphical and digital formats.
- Built-in sensitivity analysis allows the user to study productivity and cost variability as Round TripTravel Time and Truck Fleet Size change, which can be of value when identifying the proper fleet configuration for variable application conditions.

## How to Read HAT Output?




**Parameter:**

| | |
|---|---|
| Loading Tool = | PC2000 |
| Hauling Tool = | HD785 |
| Material Density (kg / lcm) = | 1,780 |
| Material Swell (%) = | 30% |
| Bucket Size (lcm) = | 12 |
| Bucket Fill (%) = | 95% |
| Cycle Time (sec) = | 30 |
| No. of Passes = | 4 |
| Truck Payload (tonnes) = | 81 |
| Truck Spot Time (sec) = | 15 |
| Efficiency (min / hr) = | 60 |

lcm: loose cubic meter

| tph | | FLEET PERFORMANCE | | |
|---|---|---|---|---|
| | | 3 Trucks | 4 | 5 |
| RTTT (min) | 3 | 2,160 | 2,160 | 2,160 |
| | 4 | 2,160 | 2,160 | 2,160 |
| | 6 | 1,857 | 2,160 | 2,160 |
| | 8 | 1,480 | 1,974 | 2,160 |
| | 10 | 1,230 | 1,641 | 2,051 |

Loader Dependent - LD
Truck Dependent - TD


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## How to obtain productivity in a Truck Dependent (TD) application:

**Graphical Method:**

1) For a given Round Trip Travel Time figure, draw a vertical line to the curved line (tail) that represents the desired fleet size. (Example: an 8 minute Travel Time and a (4) truck haulage fleet, see Line 2 and Line 1 respectively).
2) Draw a horizontal line left from the intersection of Line 1 and Line 2. Where this line intersects the vertical axis is the productivity of the fleet in this application. (Example: see Line 3, 1,974 tph).

**Matrix Method:**

1) Within the matrix, for any given Round Trip Travel Time and Haulage Fleet Size configuration, a white cell represents Truck Dependent Productivity. (Example: an 8 minute Travel Time and a (4) truck haulage Fleet = 1,974 tph).

## How to determine productivity in a Loader Dependent (LD) application:

**Graphical Method:**

1) Loader Dependent productivity is constant and is displayed at the right end of Line 4. (Example: 2,160 tonnes / hr.).

**Matrix Method:**

1) Within the matrix, any productivity in a shaded cell represents a Loader Dependent Application. (Example: 2,160 tonnes / hr.).

## How to determine the number of trucks required for a Loader Dependent Application:

1) For any Round Trip Travel Time, draw a vertical line to Line 4. (Example: 8 minute Round Trip Travel Time, see Line 5).
2) The Loader Dependent Fleet Size value to the right of this intersection represents the fleet size in this application. (Example: 5 trucks).

## How to obtain the productivity of a Single Truck:

**Truck Dependent Application:**

1. First follow the steps to obtain Truck Dependent Fleet Productivity.

   Divide the Truck Dependent Fleet Productivity by the number of trucks to determine Single Truck productivity. (Example: 1,974 tph ÷ (4) Trucks = 494 tph).

**Loader Dependent Application:**

1. First follow the steps to obtain Loader Dependent Fleet Productivity.

   Divide the Loader Dependent Fleet Productivity by the number of trucks to determine Single Truck productivity. (Example: 2,160 tph ÷ (5) Trucks = 432 tph).

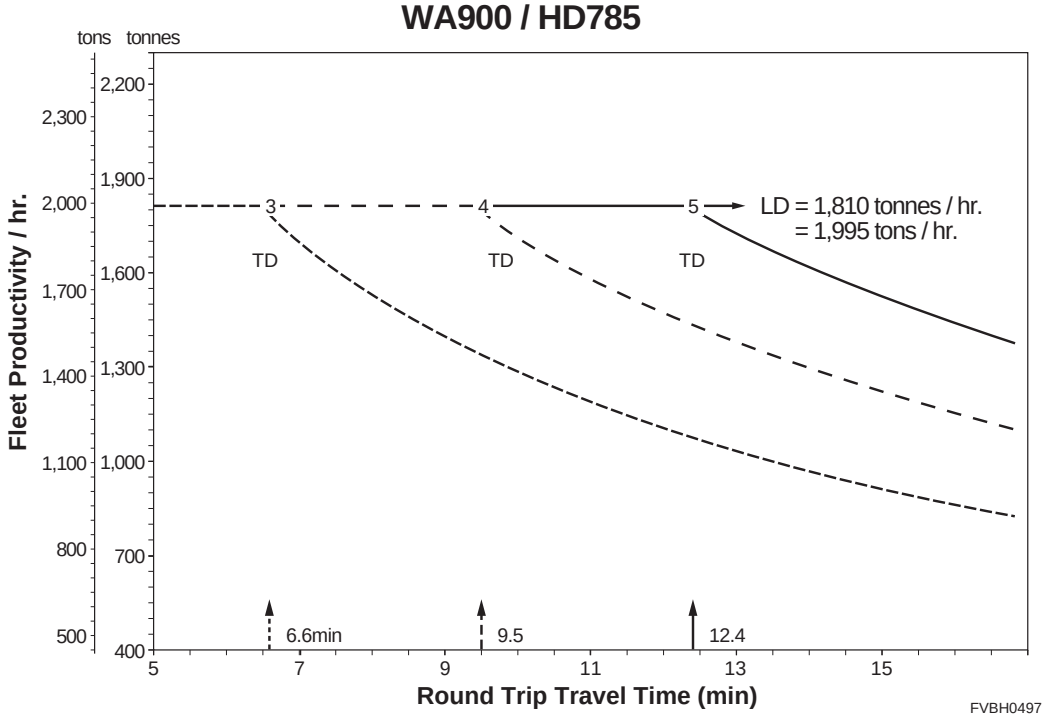
   Note: In a Loader Dependent Application, the productivity of a single truck includes wait time at the loader.


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## WA900 / HD785




**Parameter:**

| | |
|---|---|
| Loading Tool = | WA900 |
| Hauling Tool = | HD785 |
| Material Density (kg / lcm) = | 1,780 |
| Material Swell (%) = | 30% |
| Bucket Size (lcm) = | 13 |
| Bucket Fill (%) = | 95% |
| Cycle Time (sec) = | 40 |
| No. of Passes = | 4 |
| Truck Payload (tonnes) = | 88 |
| Truck Spot Time (sec) = | 15 |
| Efficiency (min / hr) = | 60 |

| tph | | FLEET PERFORMANCE | | |
|---|---|---|---|---|
| | | 3 Trucks | 4 | 5 |
| RTTT (min) | 2 | 1,810 | 1,810 | 1,810 |
| | 4 | 1,810 | 1,810 | 1,810 |
| | 6 | 1,810 | 1,810 | 1,810 |
| | 8 | 1,530 | 1,810 | 1,810 |
| | 11 | 1,187 | 1,582 | 1,810 |

Loader Dependent - LD
Truck Dependent - TD

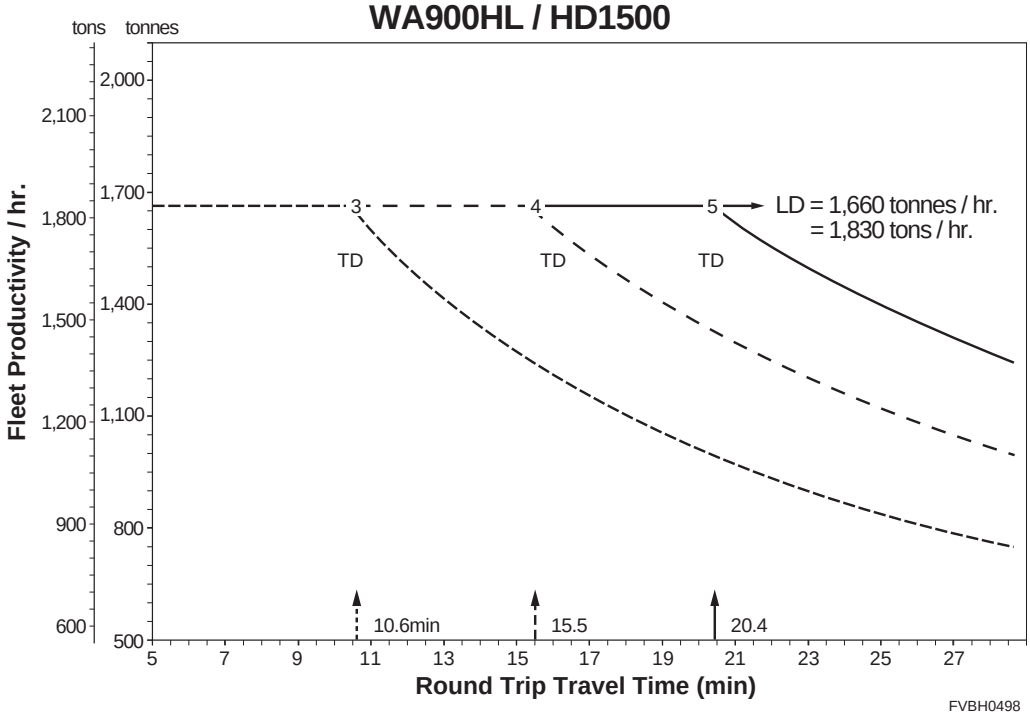


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## WA900HL / HD1500




**Parameter:**

| | |
|---|---|
| Loading Tool = | WA900 HL |
| Hauling Tool = | HD1500 |
| Material Density (kg / lcm) = | 1,780 |
| Material Swell (%) = | 30% |
| Bucket Size (lcm) = | 11.5 |
| Bucket Fill (%) = | 95% |
| Cycle Time (sec) = | 40 |
| No. of Passes = | 7 |
| Truck Payload (tonnes) = | 136 |
| Truck Spot Time (sec) = | 15 |
| Efficiency (min / hr) = | 60 |

| tph | | FLEET PERFORMANCE | | |
|---|---|---|---|---|
| | | 3 Trucks | 4 | 5 |
| RTTT (min) | 6 | 1,660 | 1,660 | 1,660 |
| | 10 | 1,660 | 1,660 | 1,660 |
| | 15 | 1,265 | 1,660 | 1,660 |
| | 19 | 1,048 | 1,398 | 1,660 |
| | 24 | 863 | 1,151 | 1,439 |

Loader Dependent - LD
Truck Dependent - TD

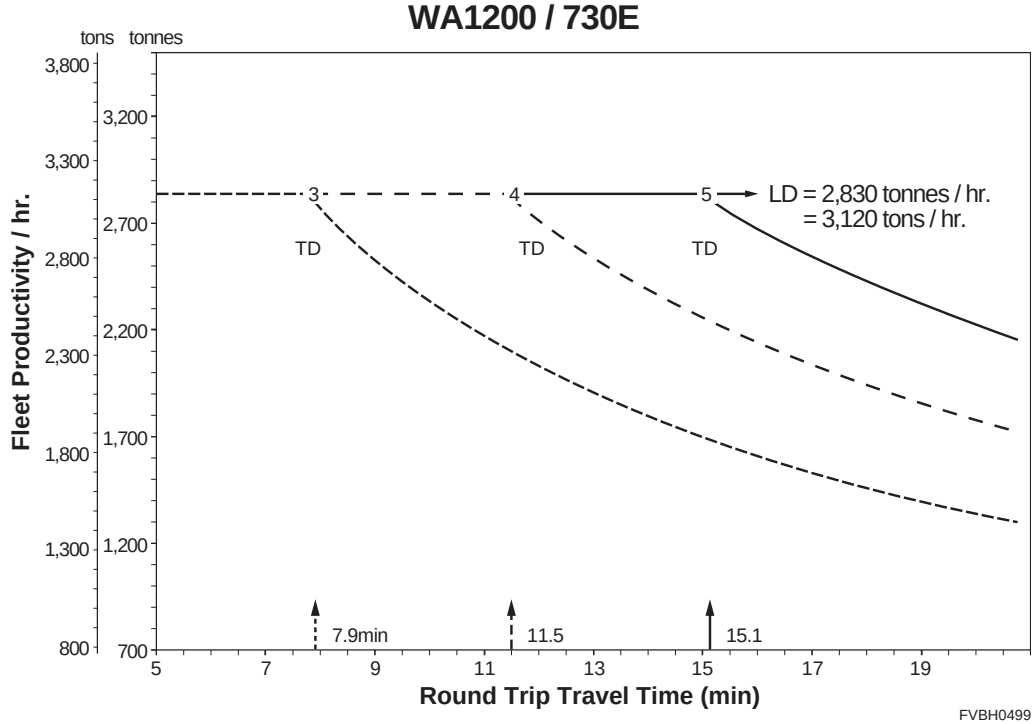


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## WA1200 / 730E




**Parameter:**

| | |
|---|---|
| Loading Tool = | WA1200 |
| Hauling Tool = | 730E |
| Material Density (kg / lcm) = | 1,780 |
| Material Swell (%) = | 30% |
| Bucket Size (lcm) = | 20 |
| Bucket Fill (%) = | 95% |
| Cycle Time (sec) = | 40 |
| No. of Passes = | 5 |
| Truck Payload (tonnes) = | 169 |
| Truck Spot Time (sec) = | 15 |
| Efficiency (min / hr) = | 60 |

| tph | | FLEET PERFORMANCE | | |
|---|---|---|---|---|
| | | 3 Trucks | 4 | 5 |
| RTTT (min) | 6 | 2,830 | 2,830 | 2,830 |
| | 9 | 2,531 | 2,830 | 2,830 |
| | 12 | 2,026 | 2,701 | 2,830 |
| | 15 | 1,688 | 2,251 | 2,830 |
| | 18 | 1,447 | 1,930 | 2,412 |

Loader Dependent - LD
Truck Dependent - TD

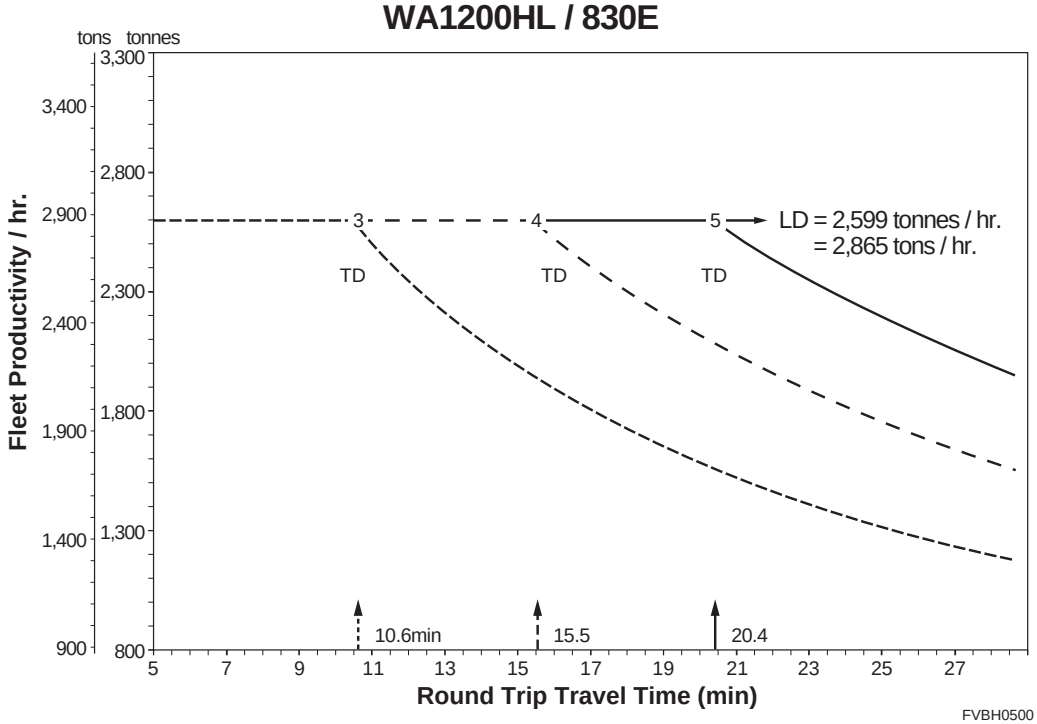


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## WA1200HL / 830E




**Parameter:**

| | |
|---|---|
| Loading Tool = | WA1200HL |
| Hauling Tool = | 830E |
| Material Density (kg / lcm) = | 1,780 |
| Material Swell (%) = | 30% |
| Bucket Size (lcm) = | 18 |
| Bucket Fill (%) = | 95% |
| Cycle Time (sec) = | 40 |
| No. of Passes = | 7 |
| Truck Payload (tonnes) = | 213 |
| Truck Spot Time (sec) = | 15 |
| Efficiency (min / hr) = | 60 |

| tph | | FLEET PERFORMANCE | | |
|---|---|---|---|---|
| | | 3 Trucks | 4 | 5 |
| RTTT (min) | 6 | 2,599 | 2,599 | 2,599 |
| | 10 | 2,599 | 2,599 | 2,599 |
| | 15 | 1,981 | 2,599 | 2,599 |
| | 19 | 1,642 | 2,189 | 2,599 |
| | 24 | 1,352 | 1,803 | 2,254 |

Loader Dependent - LD
Truck Dependent - TD

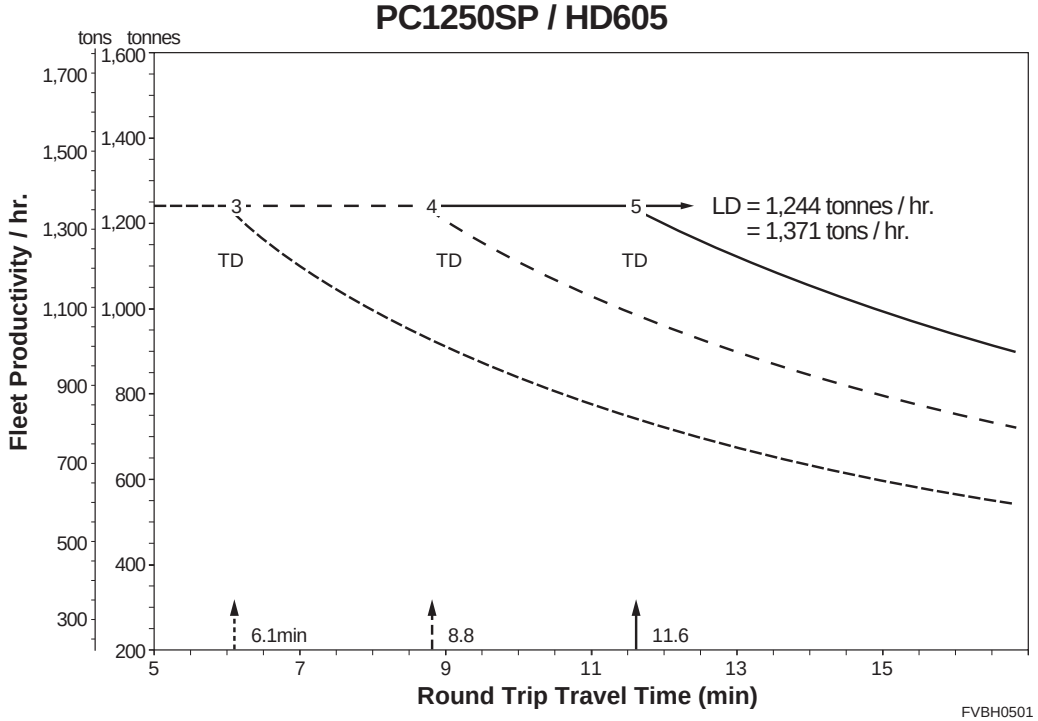


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## PC1250SP / HD605




**Parameter:**

| | |
|---|---|
| Loading Tool = | PC1250SP |
| Hauling Tool = | HD605 |
| Material Density (kg / lcm) = | 1,780 |
| Material Swell (%) = | 30% |
| Bucket Size (lcm) = | 6.7 |
| Bucket Fill (%) = | 95% |
| Cycle Time (sec) = | 30 |
| No. of Passes = | 5 |
| Truck Payload (tonnes) = | 57 |
| Truck Spot Time (sec) = | 15 |
| Efficiency (min / hr) = | 60 |

| tph | | FLEET PERFORMANCE | | |
|---|---|---|---|---|
| | | 3 Trucks | 4 | 5 |
| RTTT (min) | 2 | 1,244 | 1,244 | 1,244 |
| | 4 | 1,244 | 1,244 | 1,244 |
| | 6 | 1,244 | 1,244 | 1,244 |
| | 8 | 991 | 1,244 | 1,244 |
| | 11 | 769 | 1,025 | 1,244 |

Loader Dependent - LD
Truck Dependent - TD

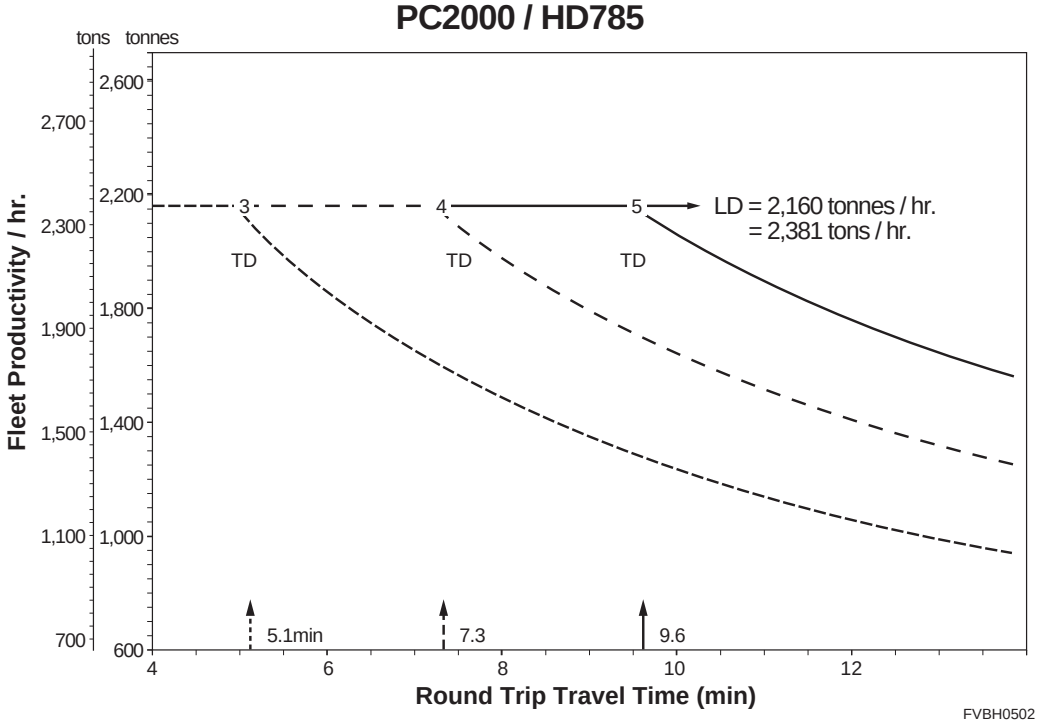


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## PC2000 / HD785




**Parameter:**

| | |
|---|---|
| Loading Tool = | PC2000 |
| Hauling Tool = | HD785 |
| Material Density (kg / lcm) = | 1,780 |
| Material Swell (%) = | 30% |
| Bucket Size (lcm) = | 12 |
| Bucket Fill (%) = | 95% |
| Cycle Time (sec) = | 30 |
| No. of Passes = | 4 |
| Truck Payload (tonnes) = | 81 |
| Truck Spot Time (sec) = | 15 |
| Efficiency (min / hr) = | 60 |

| tph | | FLEET PERFORMANCE | | |
|---|---|---|---|---|
| | | 3 Trucks | 4 | 5 |
| RTTT (min) | 3 | 2,160 | 2,160 | 2,160 |
| | 4 | 2,160 | 2,160 | 2,160 |
| | 6 | 1,857 | 2,160 | 2,160 |
| | 8 | 1,480 | 1,974 | 2,160 |
| | 11 | 1,230 | 1,641 | 2,051 |

Loader Dependent - LD
Truck Dependent - TD

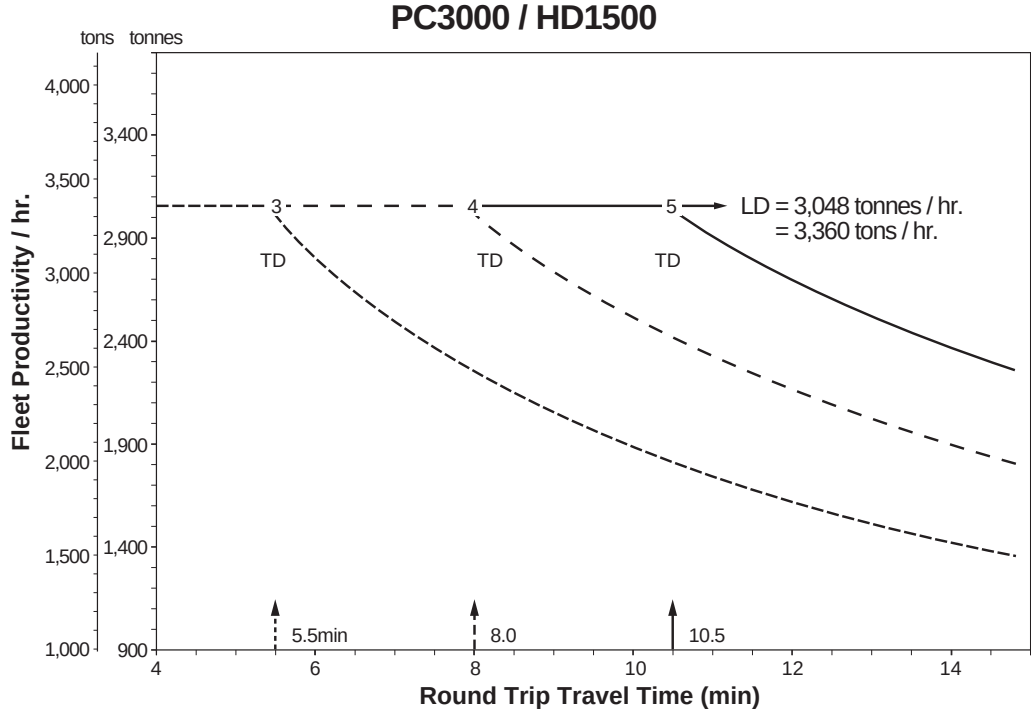


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## PC3000 / HD1500




FVBH0503

**Parameter:**

| | |
|---|---|
| Loading Tool = | PC3000 |
| Hauling Tool = | HD1500 |
| Material Density (kg / lcm) = | 1,780 |
| Material Swell (%) = | 30% |
| Bucket Size (lcm) = | 15 |
| Bucket Fill (%) = | 95% |
| Cycle Time (sec) = | 27 |
| No. of Passes = | 5 |
| Truck Payload (tonnes) = | 127 |
| Truck Spot Time (sec) = | 15 |
| Efficiency (min / hr) = | 60 |

| tph | | FLEET PERFORMANCE | | |
|---|---|---|---|---|
| | | 3 Trucks | 4 | 5 |
| RTTT (min) | 2 | 3,048 | 3,048 | 3,048 |
| | 4 | 3,048 | 3,048 | 3,048 |
| | 6 | 2,805 | 3,048 | 3,048 |
| | 8 | 2,252 | 3,003 | 3,048 |
| | 10 | 1,881 | 2,509 | 3,048 |

Loader Dependent - LD
Truck Dependent - TD

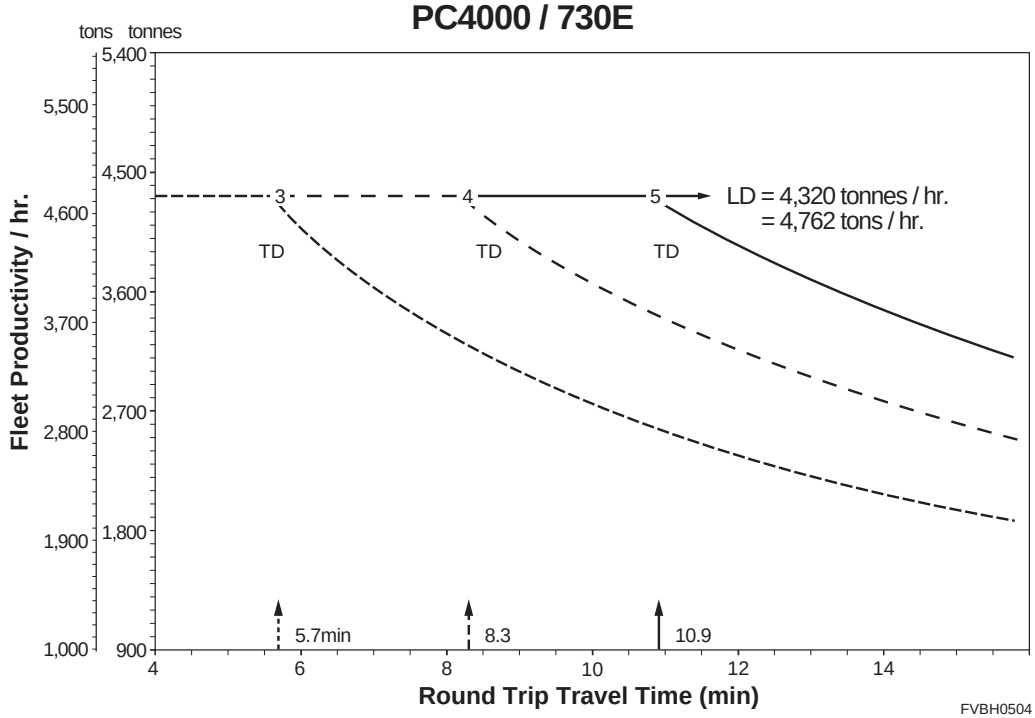


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## PC4000 / 730E




**Parameter:**

| | |
|---|---|
| Loading Tool = | PC4000 |
| Hauling Tool = | 730E |
| Material Density (kg / lcm) = | 1,780 |
| Material Swell (%) = | 30% |
| Bucket Size (lcm) = | 22 |
| Bucket Fill (%) = | 95% |
| Cycle Time (sec) = | 28 |
| No. of Passes = | 5 |
| Truck Payload (tonnes) = | 186 |
| Truck Spot Time (sec) = | 15 |
| Efficiency (min / hr) = | 60 |

| tph | RTTT (min) | FLEET PERFORMANCE 3 Trucks | 4 | 5 |
|---|---|---|---|---|
| | 2 | 4,320 | 4,320 | 4,320 |
| | 4 | 4,320 | 4,320 | 4,320 |
| | 6 | 4,075 | 4,320 | 4,320 |
| | 8 | 3,277 | 4,320 | 4,320 |
| | 10 | 2,741 | 3,654 | 4,320 |

Loader Dependent - LD
Truck Dependent - TD

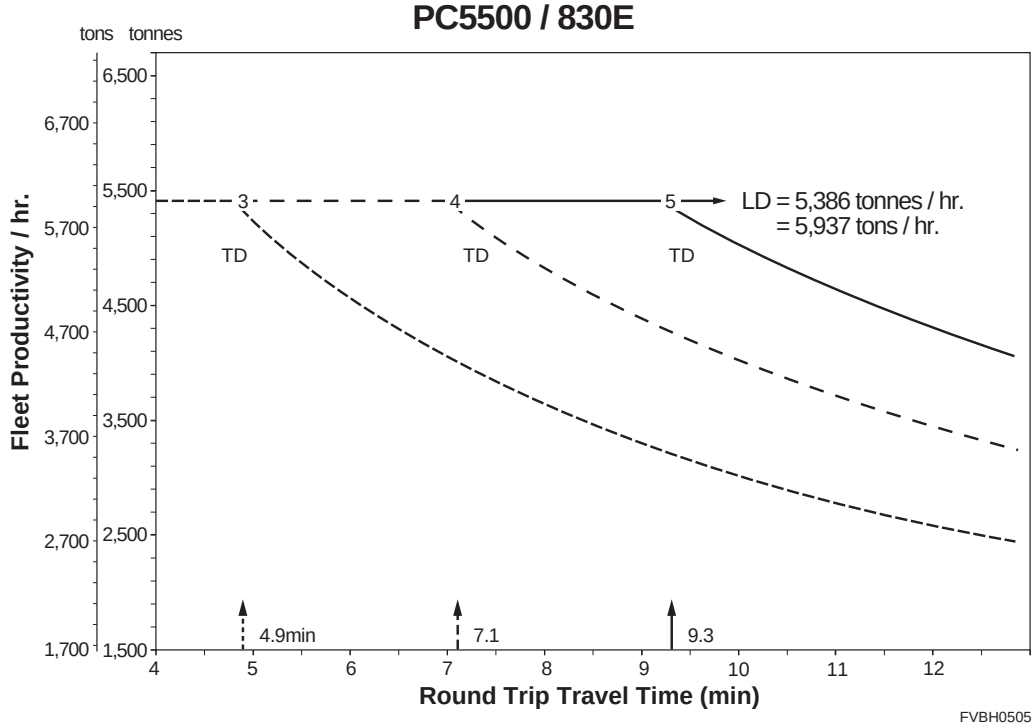


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## PC5500 / 830E




**Parameter:**

| | |
|---|---|
| Loading Tool = | PC5500 |
| Hauling Tool = | 830E |
| Material Density (kg / lcm) = | 1,780 |
| Material Swell (%) = | 30% |
| Bucket Size (lcm) = | 29 |
| Bucket Fill (%) = | 95% |
| Cycle Time (sec) = | 29 |
| No. of Passes = | 4 |
| Truck Payload (tonnes) = | 196 |
| Truck Spot Time (sec) = | 15 |
| Efficiency (min / hr) = | 60 |

| tph | | FLEET PERFORMANCE | | |
|---|---|---|---|---|
| | | 3 Trucks | 4 | 5 |
| RTTT (min) | 3 | 5,386 | 5,386 | 5,386 |
| | 4 | 5,386 | 5,386 | 5,386 |
| | 6 | 4,523 | 5,386 | 5,386 |
| | 8 | 3,600 | 4,800 | 5,386 |
| | 9 | 3,267 | 4,356 | 5,386 |

Loader Dependent - LD
Truck Dependent - TD

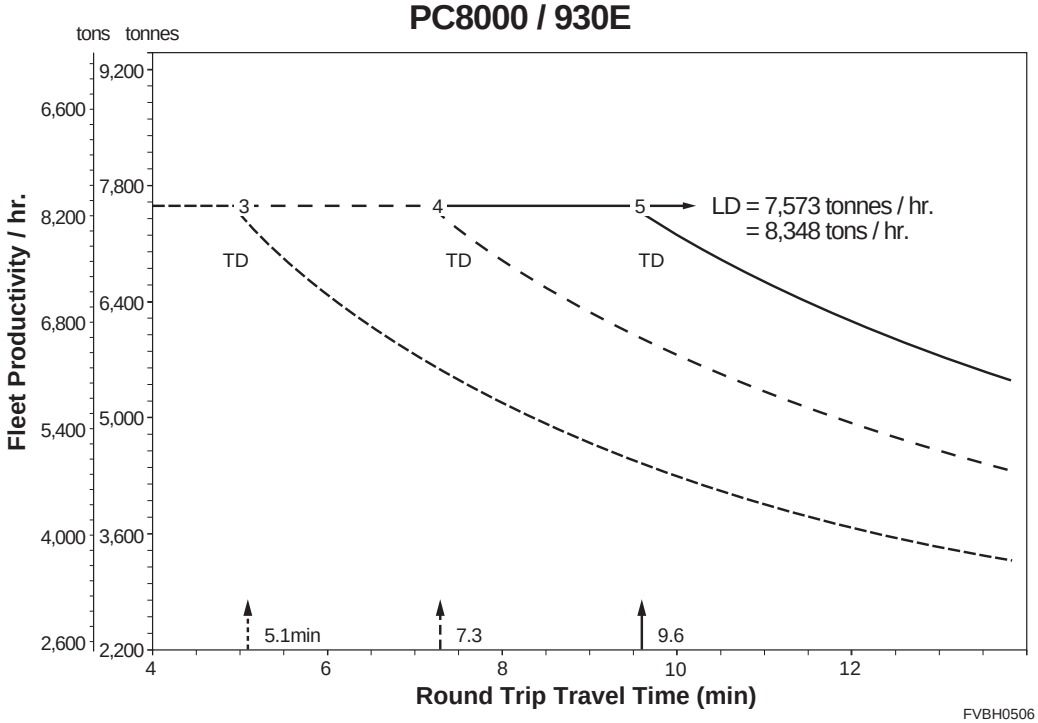


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## PC8000 / 930E




**Parameter:**

| | |
|---|---|
| Loading Tool = | PC8000 |
| Hauling Tool = | 930E |
| Material Density (kg / lcm) = | 1,780 |
| Material Swell (%) = | 30% |
| Bucket Size (lcm) = | 42 |
| Bucket Fill (%) = | 95% |
| Cycle Time (sec) = | 30 |
| No. of Passes = | 4 |
| Truck Payload (tonnes) = | 284 |
| Truck Spot Time (sec) = | 15 |
| Efficiency (min / hr) = | 60 |

| tph | | FLEET PERFORMANCE | | |
|---|---|---|---|---|
| | | 3 Trucks | 4 | 5 |
| RTTT (min) | 3 | 7,573 | 7,573 | 7,573 |
| | 4 | 7,573 | 7,573 | 7,573 |
| | 6 | 6,512 | 7,573 | 7,573 |
| | 8 | 5,190 | 6,920 | 7,573 |
| | 10 | 4,314 | 5,752 | 7,190 |

Loader Dependent - LD
Truck Dependent - TD



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## MEMO

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SECTION 14A

# PRODUCTIVITY

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When planning mechanized projects, one extremely important issue is how to calculate the production of the machines.

The first step when estimating the production is to calculate a theoretical value as explained below. This theoretical value is then adjusted according to actual figures obtained from past experience in similar operations.

On the basis of these figures (particularly those for job efficiency) it will be possible to determine values suitable for the project which will be neither over-optimistic nor wasteful.

Therefore it is first necessary to fully understand the theoretical calculations and to be able to obtain a figure for working efficiency which is feasible on that job site.

From this it is possible to obtain a realistic figure for the work volume that can be attained.

**Method of calculating production**

It is usual to express the production of construction machines in terms of production per hour ($m^3$/h or cu.yd./h).

This is basically calculated from the haul volume per cycle, and the number of cycles.

$$\mathbf{Q = q \times N \times E = q \times \frac{60}{Cm} \times E}$$

**where Q : Hourly production ($m^3$/hr; $yd^3$/hr)**

**q : Production ($m^3$; $yd^3$) per cycle, of loose, excavated soil (This is determined by the machine capacity.)**

**N : Number of cycles per hour = $\frac{60}{Cm}$**

**Cm : Cycle time (in minutes)**

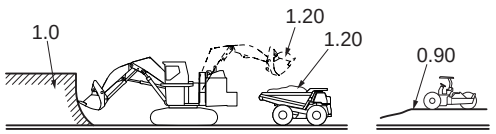
**E : Job efficiency (see the item 2)**

**1. Earth volume conversion factor (f)**

The volume of any amount of earth depends on whether the soil is in its natural ground condition (that is, unexcavated), whether it is loose, or whether it has been compacted.

This conversion factor depends on the type of soil and the operating state, but as a general rule, the values in the following table are used.

To obtain only the productivity of a construction machine, the earth volume conversion factor is taken as Table 1 and machine productivity is expressed in terms of loose earth. However, when planning actual projects, work volume is calculated in terms of unexcavated earth or compacted earth, so care must be taken to convert these figures.



Changes in earth volume

FVBH0440

**Example:**

1,000 $m^3$ of unexcavated earth has to be hauled.

a) What will its volume be when it has been excavated ready for hauling?

b) What will its volume be if it is then compacted?

| | Unexcavated volume | | Loose volume | | Compacted volume |
|---|---|---|---|---|---|
| **Ordinary soil :** | **1,000 $m^3$** | **× 1.25 =** | **1,250 $m^3$** | **1,250 × 0.72 =** | **900 $m^3$** |
| **Gravel :** | **1,000 $m^3$** | **× 1.13 =** | **1,130 $m^3$** | **1,130 × 0.91 =** | **1,030 $m^3$** |
| **Soft rock :** | **1,000 $m^3$** | **× 1.65 =** | **1,650 $m^3$** | **1,650 × 0.74 =** | **1,220 $m^3$** |

**Earth volume conversion factor (f)**


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**Table 1 Earth volume conversion factor (f)**

| Nature of earth | Initial | Conditions of earth to be moved | | |
|---|---|---|---|---|
| | | Bank condition | Loosened condition | Compacted condition |
| Sand | (A)<br>(B)<br>(C) | 1.00<br>0.90<br>1.05 | 1.11<br>1.00<br>1.17 | 0.95<br>0.86<br>1.00 |
| Sandy clay | (A)<br>(B)<br>(C) | 1.00<br>0.80<br>1.11 | 1.25<br>1.00<br>1.39 | 0.90<br>0.72<br>1.00 |
| Clay | (A)<br>(B)<br>(C) | 1.00<br>0.70<br>1.11 | 1.43<br>1.00<br>1.59 | 0.90<br>0.63<br>1.00 |
| Gravelly soil | (A)<br>(B)<br>(C) | 1.00<br>0.85<br>0.93 | 1.18<br>1.00<br>1.09 | 1.08<br>0.91<br>1.00 |
| Gravel | (A)<br>(B)<br>(C) | 1.00<br>0.88<br>0.97 | 1.13<br>1.00<br>1.10 | 1.03<br>0.91<br>1.00 |
| Solid or rugged gravel | (A)<br>(B)<br>(C) | 1.00<br>0.70<br>0.77 | 1.42<br>1.00<br>1.10 | 1.29<br>0.91<br>1.00 |
| Broken limestone, sandstone and other soft rocks | (A)<br>(B)<br>(C) | 1.00<br>0.61<br>0.82 | 1.65<br>1.00<br>1.35 | 1.22<br>0.74<br>1.00 |
| Broken granite, basalt and other hard rocks | (A)<br>(B)<br>(C) | 1.00<br>0.59<br>0.76 | 1.70<br>1.00<br>1.30 | 1.31<br>0.77<br>1.00 |
| Broken rocks | (A)<br>(B)<br>(C) | 1.00<br>0.57<br>0.71 | 1.75<br>1.00<br>1.24 | 1.40<br>0.80<br>1.00 |
| Blasted bulky rocks | (A)<br>(B)<br>(C) | 1.00<br>0.56<br>0.77 | 1.80<br>1.00<br>1.38 | 1.30<br>0.72<br>1.00 |

(A) Bank condition (B) Loosened condition (C) Compacted condition

**2. Job efficiency (E)**

When planning a project, the hourly productivity of the machines needed in the project is the standard productivity under ideal conditions multiplied by a certain factor. This factor is called job efficiency.

Job efficiency depends on many factors such as topography, operator's skill, and proper selection and disposition of machines. Time out of an hour machine use is actually used.

It is very difficult to estimate a value for job efficiency due to the many factors involved. Therefore, efficiency is given in the following section as a rough guide.


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## BULLDOZERS

**(DOZING)**

The hourly production of a bulldozer when excavating or dozing can be obtained by using the following fomula:

$$Q = q \times \frac{60}{Cm} \times e \times E$$

where **Q : Hourly production ($m^3$ /hr; $yd^3$/hr)** **q : Production per cycle ($m^3$; $yd^3$)**
**Cm : Cycle time (in minutes)** **e : Grade factor**
**E : Job efficiency**

### 1. Production per cycle (q)

For dozing operations, the production per cycle is theoretically calculated as follows:

$q = q_1 \times a$ **$q_1$ : Blade capacity ($m^3$; $yd^3$)** **a : Blade fill factor**

When calculating the standard productivity of a bulldozer, the figure used for the volume of earth hauled in each cycle, was taken as blade capacity. In fact, production per cycle differs with the type of soil, so the blade fill factor is used to adjust this figure. See Table 2 to select the factor.

**Table 2 Blade Fill Factor (a)**

| Dozing conditions | | Blade fill factor (a) |
|---|---|---|
| **Easy dozing** | Full blade of soil can be dozed as completely loosened soil. Low water contented, no-compacted sandy soil, general soil, stockpile material. | 1.1 ~ 0.9 |
| **Average dozing** | Soil is loose, but impossible to doze full blade of soil. Soil with gravel, sand, fine crushed rock. | 0.9 ~ 0.7 |
| **Rather difficult dozing** | High water content and sticky clay, sand with cobbles, hard dry clay and natural ground. | 0.7 ~ 0.6 |
| **Difficult dozing** | Blasted rock, or large pieces of rock | 0.6 ~ 0.4 |

### 2. Cycle time (Cm)

The time needed for a bulldozer to complete one cycle (dozing, reversing and gear shifting) is calculated by the following formula:

$$Cm\ (min.) = \frac{D}{F} + \frac{D}{R} + Z$$

where **D : Haul distance (m; yd)** **F : Forward speed (m/min.; yd./min.)**
**R : Reverse speed (m/min.; yd./min.)** **Z : Time required for gear shifting (min.)**

**(1) Forward speed/reverse speed**

As a rule a speed range of 3-5 km/h for forward, and 5-7 km/h for reverse should be chosen.

**(2) Time required for gear shifting**

| | Time required for gear shifting |
|---|---|
| Direct-drive type | 0.10 min. |
| TORQFLOW (Torque converter type) | 0.05 min. |

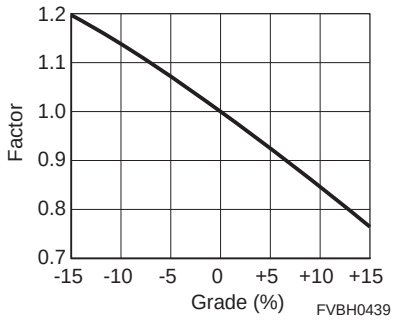

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### 3. Grade factor (e)

Production is affected by the grade of the ground when dozing.

The grade factor can be selected in the right hand side graph.




### 4. Job efficiency (E)

The following table gives typical job efficiency as a rough guide. To obtain the actual production figure, determine the efficiency in accordance with actual operating conditions. Time out of an hour machine use is actually used.

| Operating conditions | Job efficiency |
|---|---|
| Good | 0.83 |
| Average | 0.75 |
| Rather poor | 0.67 |
| Poor | 0.58 |

**(RIPPING)**

Ripping production varies greatly according to such conditions as the properties of the rock, the method of operation, and the operator's skill. Therefore, it is difficult to estimate. However, from available data, the relationship as shown on the ripper section can be seen between seismic velocity and production.

**(RIPPING AND DOZING)**

In normal ripping operations, ripping and dozing operations are carried out repeatedly in turn. The combined production for ripping and dozing operations is calculated using the following formula.

$$Q = \frac{QR \times QD}{QR + QD}$$

Where Q = Ripping and dozing production ($m^3$/hr ; $yd^3$/hr)
QR = Ripping production ($m^3$/hr ; $yd^3$/hr)
QD = Dozing production ($m^3$/hr ; $yd^3$/hr)

When making the calculation, it is necessary to use the same unit (natural rock position, loose rock condition, soil condition) for production QR and QD.


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## DOZER SHOVELS AND WHEEL LOADERS

**(LOADING)**

Generally, the hourly production can be obtained by using the following formula:

$$Q = q \times \frac{60}{Cm} \times E$$

where Q : Hourly production ($m^3$ /hr; $yd^3$ /hr) q : Production per cycle ($m^3$; $cu.yd^3$)
Cm : Cycle time (min.) E : Job efficiency

### 1. Production per cycle (q)

$$q = q_1 \times K$$

Where $q_1$ : The heaped capacity given in the specifications sheet
K : Bucket fill factor ..... The actual volume in the bucket differs depending on the type of loading material.
Bucket fill factor is used for that reason.

**(1) Bucket fill factor**

**Table 3 Bucket fill factor**

| Loading condition | Wheel loader | Dozer shovel |
|---|---|---|
| A : Easy loading | 1.0 ~ 1.1 | 1.0 ~ 1.1 |
| B : Average loading | 0.85 ~ 0.95 | 0.95 ~ 1.0 |
| C : Rather difficult loading | 0.8 ~ 0.85 | 0.9 ~ 0.95 |
| D : Difficult loading | 0.75 ~ 0.8 | 0.85 ~ 0.9 |

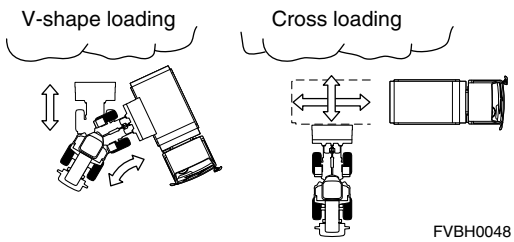
**Table 4 Loading conditions**

| Operation conditions | | Remarks |
|---|---|---|
| **Easy loading (A)** | Loading from a stockpile or from rock excavated by another excavator, bucket can be filled without any need for digging power.<br>Sand, sandy soil, with good water content conditions. | • Loading sand or crushed rock products<br>• Soil gathering such as loading of soil dozed by a bulldozer. |
| **Average loading (B)** | Loading of loose stockpiled soil more difficult to load than category A but possible to load an almost full bucket.<br>Sand, sandy soil, clayey soil, clay, unscreened gravel, compacted gravel, etc.<br>Or digging and loading of soft soil directly in natural ground condition. | Digging and loading of sandy natural ground. |
| **Rather difficult loading (C)** | Difficult to load a full bucket. Small crushed rock piled by anther machine. Finely crushed rock, hard clay, sand mixed with gravel, sandy soil, clayey soil and clay with poor water content conditions. | Loading of small crushed rock |
| **Difficult loading (D)** | Difficult to load bucket, large irregular shaped rocks forming big air pockets. Rocks blasted with explosives, boulders, sand mixed with boulders, sandy soil, clayey soil, clay, etc. | Loading of blasted rock |

### 2. Cycle time (Cm)

The following tables show the standard cycle time according to loading method and operating conditions.

It is possible to shorten a cycle time still more than the standard cycle time by minimizing moving distance.






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**(1) V-shape loading**

**Table 5 Average cycle time for wheel loader**

Unit: min.

| Loading conditions \ Bucket size | | ~ 3 $m^3$ | 3.1 ~ 5 $m^3$ | 5.1 $m^3$ ~ |
|---|---|---|---|---|
| A | Easy | 0.45 | 0.55 | 0.65 |
| B | Average | 0.55 | 0.65 | 0.70 |
| C | Rather difficult | 0.70 | 0.70 | 0.75 |
| D | Difficult | 0.75 | 0.75 | 0.80 |

**Table 6 Average cycle time for dozer shovel**

Unit: min.

| Loading conditions \ Bucket size | | ~ 3 $m^3$ | 3.1 ~ 5 $m^3$ |
|---|---|---|---|
| A | Easy | 0.55 | 0.60 |
| B | Average | 0.60 | 0.70 |
| C | Rather difficult | 0.75 | 0.75 |
| D | Difficult | 0.80 | 0.80 |

**(2) Cross loading**

**Table 7 Average cycle time for wheel loader**

Unit: min.

| Loading conditions \ Bucket size | | ~ 3 $m^3$ | 3.1 ~ 5 $m^3$ | 5.1 $m^3$ ~ |
|---|---|---|---|---|
| A | Easy | 0.40 | 0.50 | 0.60 |
| B | Average | 0.50 | 0.60 | 0.65 |
| C | Rather difficult | 0.65 | 0.65 | 0.70 |
| D | Difficult | 0.70 | 0.75 | 0.75 |

**Table 8 Average cycle time for dozer shovel**

Unit: min.

| Loading conditions \ Bucket size | | ~ 3 $m^3$ | 3.1 ~ 5 $m^3$ |
|---|---|---|---|
| A | Easy | 0.55 | 0.60 |
| B | Average | 0.60 | 0.70 |
| C | Rather difficult | 0.75 | 0.75 |
| D | Difficult | 0.80 | 0.80 |

### 3. Job efficiency (E)

The following table gives typical job efficiency as a rough guide. To obtain the actual production figure, determine the efficiency in accordance with actual operating conditions.

| Operating conditions | Job efficiency |
|---|---|
| Good | 0.83 |
| Average | 0.80 |
| Rather poor | 0.75 |
| Poor | 0.70 |

**(LOAD AND CARRY)**

$$Q = q \times \frac{60}{Cm} \times E$$

**where** **Q : Hourly production ($m^3$/hr; $yd^3$/hr)** **q : Production per cycle ($m^3$; $yd^3$)**
**Cm : Cycle time (min.)** **E : Job efficiency**

### 1. Production per cycle (q)

$$q = q_1 \times K$$

**where** **$q_1$ : The heaped capacity given in the specifications sheet**
**K : Bucket fill factor**

**(1) Bucket fill factor**

In a load and carry operation, fully heaped bucket causes soil spillage from bucket during hauling, so partially heaped bucket is recommendable.

Use a bucket fill factor of 0.7 ~ 0.9.



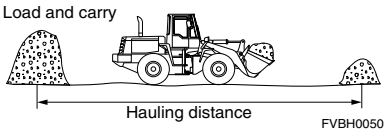
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## 2. Cycle time (Cm)

$$Cm = \frac{D}{\frac{1000VF}{60}} + \frac{D}{\frac{1000VR}{60}} + Z$$




**Where D : Hauling distance (m, yd)** **VF : Travel speed with load (km/hr; MPH)**
**VR: Return speed (km/hr; MPH)** **Z : Fixed time (min)**

### (1) Travel speed for wheel loader

| Operation conditions | | Speed km/hr(MPH) | |
|---|---|---|---|
| | | Loaded | Empty |
| **Good** | Hauling on well compacted flat road, few bumps in road surface, no meeting other machines, can concentrate on L & C. | 10 ~ 23 (6.2 ~ 14) | 11 ~ 24 (6.8 ~ 15) |
| **Average** | Few bumps on road surface, flat road, some auxiliary work carrying large lumps of rock. | 10 ~ 18 (6.2 ~ 11) | 11 ~ 19 6.8 ~ 12) |
| **Rather poor** | Bumps in road surface, high rate of auxiliary work. | 10 ~ 15 (6.2 ~ 9.3) | 10 ~ 16 (6.2 ~ 10) |
| **Poor** | Large bumps in road, meeting other machines, difficult to carry out smooth work, large amount of auxiliary work. | 9 ~ 12 (5.6 ~ 7.5) | 9 ~ 14 (5.6 ~ 8.7) |

### (2) Fixed time (Z)

$$Z = t_1 + t_2 + t_3 + t_2$$

**where Z : 0.60 ~ 0.75 (min.)** **$t_1$ : Loading time (0.20 ~ 0.35 min.)**
**$t_2$ : Turning time (0.15 min.)** **$t_3$ : Dumping time (0.10 min. )**

## 3. Job efficiency (E)

The following table gives typical job efficiency as a rough guide. To obtain the actual production figure, determine the efficiency in accordance with actual operating conditions.

| Operating conditions | Job efficiency |
|---|---|
| Good | 0.83 |
| Average | 0.80 |
| Rather poor | 0.75 |
| Poor | 0.70 |



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**HYDRAULIC**

## (CONSTRUCTION APPLICATION)

$$Q = q \times \frac{3600}{Cm} \times E$$

where Q : Hourly production ($m^3$ /hr; $yd^3$ /hr) q : Production per cycle ($m^3$; $yd^3$)
Cm : Cycle time (sec.) E : Job efficiency

### 1. Production per cycle (q)

$$q = q_1 \times K$$

where $q_1$ : Bucket capacity (heaped) ($m^3$; $yd^3$) K : Bucket fill factor

**(1) Bucket fill factor**

The bucket fill factor varies according to the nature of material.

A suitable factor can be selected from the table, taking into consideration the applicable excavating conditions.

**Table 9 Bucket fill factor (Backhoe)**

| ~ PC2000 | Excavating Conditions | Bucket fill factor |
|---|---|---|
| **Easy** | Excavating natural ground of clayey soil, clay, or soft soil | **1.1 ~ 1.2** |
| **Average** | Excavating natural ground of soil such as sandy soil and dry soil | **1.0 ~ 1.1** |
| **Rather difficult** | Excavating natural ground of sandy soil with gravel | **0.8 ~ 0.9** |
| **Difficult** | Loading blasted rock | **0.7 ~ 0.8** |

**Table 10 Bucket fill factor (Loading shovel)**

| ~ PC2000 | Excavating Conditions | Bucket fill factor |
|---|---|---|
| **Easy** | Loading clayey soil, clay, or soft soil | **1.0 ~ 1.1** |
| **Average** | Loading loose soil with small diameter gravel | **0.95 ~ 1.0** |
| **Rather difficult** | Loading well blasted rock | **0.90 ~ 0.95** |
| **Difficult** | Loading poorly blasted rock | **0.85 ~ 0.90** |


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### 2. Cycle time (Cm)

Cycle time = Excavating time + swing time (loaded ) + dumping time + swing time (empty)

However, here we use **cycle time = (standard cycle time) × (conversion factor)**

The standard cycle time for each machine is determined from the following table.

**Table 11 Standard cycle time for backhoe** **Unit: sec**

| Range / Model | Swing angle 45° ~ 90° | Swing angle 90° ~ 180° | Range / Model | Swing angle 45° ~ 90° | Swing angle 90° ~ 180° |
|---|---|---|---|---|---|
| PC78 | 10 ~ 13 | 13 ~ 16 | PC270, PC290 | 15 ~ 18 | 18 ~ 21 |
| PW148 | 11 ~ 14 | 14 ~ 17 | PC300, PC350 | 15 ~ 18 | 18 ~ 21 |
| PC130, PC138US | 11 ~ 14 | 14 ~ 17 | PC400, PC450 | 16 ~ 19 | 19 ~ 22 |
| PC160 | 13 ~ 16 | 16 ~ 19 | PC600, PC700 | 17 ~ 20 | 20 ~ 23 |
| PW160, PW180 | 13 ~ 16 | 16 ~ 19 | PC750, PC800, PC850 | 18 ~ 21 | 21 ~ 24 |
| PC190 | 13 ~ 16 | 16 ~ 19 | PC1250 | 22 ~ 25 | 25 ~ 28 |
| PC200, PC210, PC228US | 13 ~ 16 | 16 ~ 19 | PC2000 | 24 ~ 27 | 27 ~ 30 |
| PW200, 220 | 14 ~ 17 | 17 ~ 20 | | | |
| PC220, PC230, PC240 | 14 ~ 17 | 17 ~ 20 | | | |

**Table 12 Standard cycle time for loading shovel**

| Model | sec |
|---|---|
| PC400 | 16 ~ 20 |
| PC600, PC750, PC800 | 18 ~ 22 |
| PC1250 | 20 ~ 24 |
| PC2000 | 27 ~ 31 |

**Table 13 Conversion factor for excavator**

| Digging condition: (Digging depth / Specified max. digging depth) | Dumping condition: Easy (Dump onto spoil pile) | Normal (Large dump target) | Rather difficult (Small dump target) | Difficult (Small dump target requiring maximum dumping reach) |
|---|---|---|---|---|
| Below 40% | 0.7 | 0.9 | 1.1 | 1.4 |
| 40 ~ 75% | 0.8 | 1 | 1.3 | 1.6 |
| Over 75% | 0.9 | 1.1 | 1.5 | 1.8 |

### 3. Job efficiency (E)

The following table gives typical job efficiency as a rough guide. To obtain the actual production figure, determine the efficiency in accordance with actual operating conditions.

| Operating conditions | Job efficiency |
|---|---|
| Good | 0.83 |
| Average | 0.75 |
| Rather poor | 0.67 |
| Poor | 0.58 |


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## (MINING APPLICATION)

The production for Mining Shovels shuld be calculated on loaded trucks per hour

Hourly production = loaded truck per hour x truck capacity x time utilisation

**Qh = Tn x Tq x E**

Theoretical loaded trucks per hour = 3600 sec/(Loading time per truck + spotting time per truck)

**Tn = 3600/(tT + tsp)**

Loading time per truck = (truck size/bucket capacity) rounded x cycle time

**tT = (Tq/(Bc x K x loose density)) rounded x tc**

Gh = hourly production (ton/hr; US ton/hr)
Tn = number of loaded trucks per hour
Tq = truck capacity (ton; US ton)
E = time utilisation per hour (%)

tT = truck loading time (sec)
tsp = truck spotting time (sec)

Bc = bucket capacity ($m^3$; cu.yd)
K = bucket fill factor (%)
tc = cycle time (sec)

Yearly production = (hours per year - service hours) x availability x mine efficiency

**QY = Qh x (hy - hs) x Sa x M**

QY = yearly production
hy = theoretical hours per year (hr)
hs = service hour per year (hr)
Sa = mining shovel availability (%)
M = mine efficiency (%)

**1. Cycle time (tc)**

The following tables give a rough guide line for estimating a production.

**Attention:**

1) Cycle times are average figures and for diggable material only
2) With skilled operator only
3) Every 10 degrees more swing will increase the cycle time by 1 second
4) Cycle times for standard attachments only
5) Following cycle times are without commitment, due to different job side conditions


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**(1) Backhoe**

| Model | Digging conditions | | | Backhoe application |
|---|---|---|---|---|
| | Easy | Average | Severe | |
| PC3000 | 23 ~ 25 | 26 ~ 28 | 29 ~ 31 | • Truck on lower level<br>• Average swing 45° |
| PC4000 | 23 ~ 26 | 27 ~ 29 | 30 ~ 32 | |
| PC5500 | 24 ~ 27 | 28 ~ 30 | 31 ~ 33 | |
| PC8000 | 25 ~ 28 | 29 ~ 31 | 32 ~ 34 | |

| Model | Digging conditions | | | Backhoe application |
|---|---|---|---|---|
| | Easy | Average | Severe | |
| PC3000 | 32 ~ 35 | 36 ~ 38 | 39 ~ 41 | • Truck on upper level<br>• Average swing 120°<br>• Optimized working depth 4-5 m (13'1"–16'5") |
| PC4000 | 33 ~ 36 | 37 ~ 39 | 40 ~ 42 | |
| PC5500 | 34 ~ 37 | 38 ~ 40 | 41 ~ 43 | |
| PC8000 | 35 ~ 38 | 39 ~ 41 | 42 ~ 44 | |

| Model | Digging conditions | | | Backhoe application |
|---|---|---|---|---|
| | Easy | Average | Severe | |
| PC3000 | 26 ~ 29 | 30 ~ 32 | 33 ~ 35 | • Split bench application<br>• Average swing 90°–120° |
| PC4000 | 27 ~ 30 | 31 ~ 33 | 34 ~ 36 | |
| PC5500 | 28 ~ 31 | 32 ~ 34 | 35 ~ 37 | |
| PC8000 | 29 ~ 32 | 33 ~ 35 | 36 ~ 38 | |

**(2) Front shovel**

| Model | Digging conditions | | | Front shovel application |
|---|---|---|---|---|
| | Easy | Average | Severe | |
| PC3000 | 24 ~ 26 | 27 ~ 29 | 30 ~ 32 | • Truck on same level<br>• Average swing 60° |
| PC4000 | 24 ~ 27 | 28 ~ 30 | 31 ~ 33 | |
| PC5500 | 25 ~ 28 | 29 ~ 31 | 32 ~ 34 | |
| PC8000 | 26 ~ 29 | 30 ~ 32 | 33 ~ 35 | |

## 2. Time utilisation per hour (E)

The following table gives typical time utilisation as a rough guide. To obtain the actual production figure, determine the value in accordance with actual operating conditions.

| Operating conditions | Time utilisation |
|---|---|
| Good | 0.83 |
| Average | 0.75 |
| Rather poor | 0.67 |
| Poor | 0.58 |

## 3. Bucket fill factor (K)

The bucket fill factor varies according to the nature of material.
A suitable factor can be selected from the table, taking into consideration the applicable excavating conditions.

**Bucket fill factor (Backhoe)**

| PC2000 ~ PC8000 | Excavating Conditions | Bucket fill factor |
|---|---|---|
| **Easy** | Excavating natural ground of clayey soil, clay, or soft soil | **1.0** |
| **Average** | Excavating natural ground of soil such as sandy soil and dry soil | **0.95** |
| **Severe** | Excavating natural ground of sandy soil with gravel<br>Loading blasted rock | **0.9** |

**Bucket fill factor (Front shovel)**

| PC2000 ~ PC8000 | Excavating Conditions | Bucket fill factor |
|---|---|---|
| **Easy** | Loading clayey soil, clay, or soft soil | **1.0** |
| **Average** | Loading loose soil with small diameter gravel | **0.95** |
| **Severe** | Loading well blasted rock<br>Loading poorly blasted rock | **0.9** |


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## DUMP TRUCKS

When carrying out operations using a suitable number of dump trucks of suitable capacity to match the loader, the operating efficiency is calculated in the following order:

### 1. Estimating the cycle time

The cycle time of a dump truck consists of the following factors.

(1) Time required for loader to fill dump truck
(2) Hauling time
(3) Time required for unloading (dumping) plus time expended for standby until unloading is started.
(4) Time required for returning
(5) Time required for dump truck to be positioned for loading and for the loader to start loading

Accordingly, the cycle time = (1) + (2) + (3) + (4) + (5)

The cycle time is calculated as follows:

**Cycle time of dump truck (Cmt)**

$$Cmt = n \times Cms + \frac{D}{V_1} + t_1 + \frac{D}{V_2} + t_2$$

(1) (2) (3) (4) (5)

**(1) : Loading time**
**(2) : Hauling time**
**(3) : Dumping time**
**(4) : Returning time**
**(5) : Spot and delay time**

**Where, n: Number of cycles required for loader to fill dump truck**
**$n = C_1/(q_1 \times K)$**
**$C_1$ : Rated capacity of dump truck ($m^3$, $yd^3$)**
**$q_1$ : Bucket capacity of loader ($m^3$, $yd^3$)**
**K : Bucket fill factor of loader**
**Cms: Cycle time of loader (min)**
**D: Hauling distance of dump truck (m, yd)**
**$V_1$: Average speed of loaded truck (m/min, yd/min)**
**$V_2$: Average speed of empty truck (m/min, yd/min)**
**$t_1$: Time required for dumping + time required for standby until dumping is started (min)**
**$t_2$: Time required for truck to be positioned and for loader to start loading (min)**

#### 1) Loading time

The time required for a loader to load a dump truck is obtained by the following calculation.

**Loading time = Cycle time (Cms) × No. of cycles to fill dump truck (n)**

##### a) Cycle time of loader (Cms)

The cycle time of a loader is dependent on the type of loader (excavator, crawler type loader, wheel loader, etc.)

For the cycle time of loaders, refer to the section pertaining to the estimation of the production of loaders.


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**b) Number of cycles required for loader to fill dump truck full (n)**

The payload of a dump truck depends on its capacity or weight.

Where the payload is determined by the capacity, $\mathbf{n = \frac{\text{Rated capacity (m}^3\text{, yd}^3\text{) of dump truck}}{\text{Bucket capacity (m}^3\text{, yd}^3\text{)} \times \text{bucket fill factor}}}$

Where the payload is determined by the weight, $\mathbf{n = \frac{\text{Rated capacity (m}^3\text{, yd}^3\text{) of dump truck}}{\text{Bucket capacity (m}^3\text{, yd}^3\text{)} \times \text{bucket fill factor} \times \text{specific weight}}}$

* The bucket capacity and the body capacity, as a general rule, refer to heaped capacity but may be used to refer to struck capacity depending on the nature of materials to be handled.

* The bucket fill factor is determined by the nature of soil to be excavated or loaded. In case of dozer shovels or wheel loaders, a suitable factor can be selected from among those given in Table 3, 9, 10 according to the applicable loading condition.

**2) Material hauling time and returning time**

The time taken to haul a load and return empty, can be calculated by dividing the haul road into sections according to the rolling resistance and grade resistance, as follows.

**a) Rolling resistance and grade resistance**

As described above, the haul road is divided into several sections according to the rolling resistance and grade resistance. All of these rolling resistance and grade resistance values are summed up, resulting in the totals for each resistance.

The rolling resistance for the haul road conditions can be selected by referring to Table 14. The grade resistance can be obtained by averaging the gradients in all sections, which is converted (from degrees to percent). Table 15 indicates the grade resistance values (%) converted from the angles of gradients.

**Table 14 Rolling resistance**

| Haul road conditions | Rolling resistance |
|---|---|
| Well-maintained road, surface is flat and firm, properly wetted, and does not sink under weight of vehicle | 2% |
| Same road conditions as above, but surface sinks slightly under weight of vehicle | 3.5% |
| Poorly maintained, not wetted, sinks under weight of vehicle | 5.0% |
| Badly maintained, road base not compacted or stabilized, forms ruts easily | 8.0% |
| Loose sand or gravel road | 10.0% |
| Not maintained at all, soft, muddy, deeply rutted | 15 to 20% |

**Table 15 Grade resistance (%) converted from angle (°) of gradient**

| Angle | % (sin $\alpha$) | Angle | % (sin $\alpha$) | Angle | % (sin $\alpha$) |
|---|---|---|---|---|---|
| 1 | 1.8 | 11 | 19.0 | 21 | 35.8 |
| 2 | 3.5 | 12 | 20.8 | 22 | 37.5 |
| 3 | 5.2 | 13 | 22.5 | 23 | 39.1 |
| 4 | 7.0 | 14 | 24.2 | 24 | 40.2 |
| 5 | 8.7 | 15 | 25.9 | 25 | 42.3 |
| 6 | 10.5 | 16 | 27.6 | 26 | 43.8 |
| 7 | 12.2 | 17 | 29.2 | 27 | 45.4 |
| 8 | 13.9 | 18 | 30.9 | 28 | 47.0 |
| 9 | 15.6 | 19 | 32.6 | 29 | 48.5 |

**b) Selection of the travel speed**

The speed range suited to the resistance, and the maximum speed, can be obtained by using the Travel Performance Curve appears in the spec sheet.

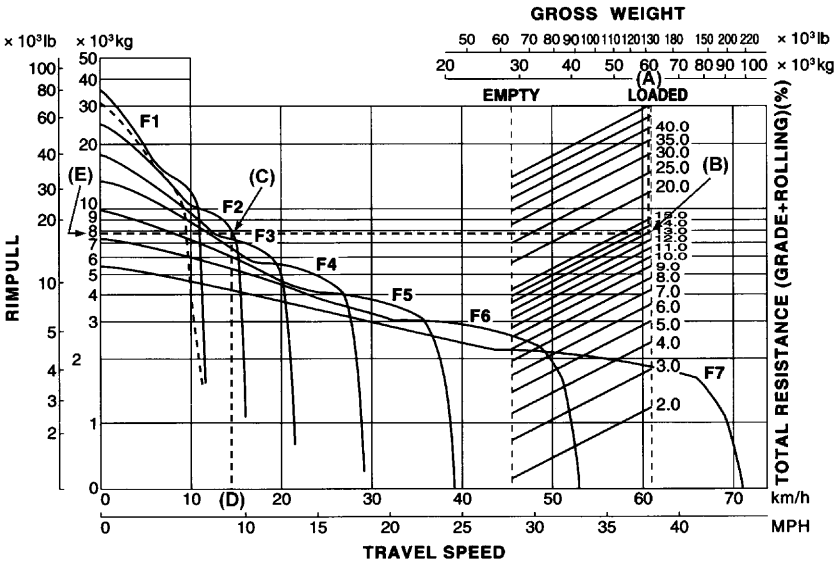
To use, first draw a vertical line according to the vehicle's weight (A) and mark the point (B) corresponding to total resistance (the sum of rolling resistance and grade resistance).

Next, draw a horizontal line from (B), then mark (C) where the line intersects the rimpull curve and read (E) for the rimpull. For travel speed (D), draw a vertical line downward from (C). For instance, when traveling a 8% gradient and encountering a 5 % rolling resistance, a vehicle with a maximum payload should have a rimpull of 8 tons (8.8 ton) and travel at a speed of 15.0 km/h (9.3 MPH) in forward 2nd gear.


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**Fig. 1 KOMATSU HD325 Dump Truck Travel Performance Curve**




The maximum speed thus obtained is a theoretical value, and in order to convert this maximum speed to a practicable average speed, the speed should be multiplied by a speed factor. An applicable speed factor can be selected from the following table.

**How to select a speed factor**

If a truck is to start off downhill, gear shifting to a desired speed can be accomplished in a short time. In such a case, a rather higher value should be used in each range of factors. On the other hand, if a truck is to start off on a level road or uphill, it will take a comparatively long time for gear-shifting to a desired speed to be accomplished and thus, the lower factor value should be selected in an applicable range of factors.

**Table 16 Speed factors**

| Distance of each section of haul road, m | When making a standing start | When running into each section |
|---|---|---|
| 0 - 100 | 0.25 - 0.50 | 0.50 - 0.70 |
| 100 - 250 | 0.35 - 0.60 | 0.60 - 0.75 |
| 250 - 500 | 0.50 - 0.65 | 0.70 - 0.80 |
| 500 - 750 | 0.60 - 0.70 | 0.75 - 0.80 |
| 750 - 1000 | 0.65 - 0.75 | 0.80 - 0.85 |
| 1000 - | 0.70 - 0.85 | 0.80 - 0.90 |

Thus, the average speed can be obtained in the following manner:

**The average speed =**
**Maximum vehicle speed obtained from the travel performance curve × (Speed factor)**

The above average speed is applicable in ordinary driving conditions. If there is any factor retarding the vehicle speed, an applicable factor should be used.

**The following can be cited as factors retarding a vehicle speed.**

- Vehicles passing each other on a narrow road
- Sharp curve or many curves in the road
- Points giving poor visibility
- Narrow bridges or at railway crossings, intersections of roads
- Extreme differences in rolling resistance
- Pot-holes on the road
- Un-experienced or unskilled operators

These factors should be eliminated wherever possible.


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**c) Hauling time**

If the hauling distance in each section is divided by the average speed given in the preceding paragraph, the hauling time in each section will be obtained. If all of these times (for hauling and returning) are added together, they will give the total hauling and returning time.

**Hauling time and returning time in each section**

$$= \frac{\text{Length of section (m)}}{\text{Average speed (m/min.)}}$$

**d) Vehicle speed limitation for a downhill run**

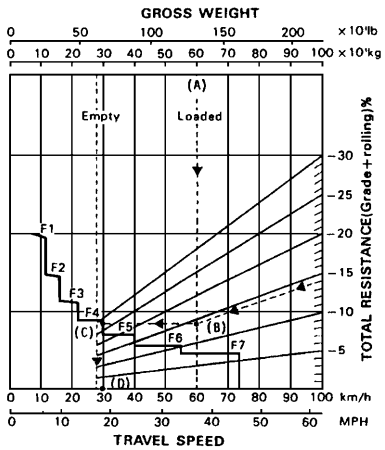
Calculation of a vehicle speed as described in Paragraphs a) to c) is effected with the total resistance in 0 or in a plus value. If the total resistance is a minus value, the vehicle speed will ordinarily be limited by the retarder function with a given distance.

In the case of the HD325 dump truck, the maximum speed at which the truck can safely go down a hill can be obtained in the brake performance curve in Fig. 2. (Grade distance continuous).

For example, assume the total resistance is –14% (gradient resistance is –16% plus rolling resistance +2%) on the "continuous grade" graph. First, draw a vertical line from the total vehicle weight(A) so that it crosses the slanted line of 14% total resistance(B). From(B), draw a horizontal line to the left and it will cross the stair curve at (C).

Finally, draw a vertical line from(C) and read(D) the maximum speed for driving safely down the slope. In this case, a vehicle with a 32-ton payload should travel at approximately 30 km/h (18.6 MPH) in forward 4th gear.

**Fig. 2 HD325 Brake Performance (Grade distance continuous)**




**3) Dumping time**

This is the period from the time when the dump truck enters the dumping area, to the time when the dump truck starts its return journey after completing the dumping operation. The length of the dumping time depends on the operating conditions, but average dumping times for favorable average and unfavorable conditions are given by the following table.

However, particularly adverse conditions giving rise to extremely long dumping times are excluded.

| Operating conditions | $t_1$, min. |
|---|---|
| Favorable | 0.5 to 0.7 |
| Average | 1.0 to 1.3 |
| Unfavorable | 1.5 to 2.0 |

**4) Time required for the truck to be positioned and for the loader to begin loading.**

The time taken for the truck to be positioned and for the loader to begin loading also depends on the operating conditions. As a general rule, a suitable time can be selected from the table at right.

| Operating conditions | $t_2$, (min.) |
|---|---|
| Favorable | 0.1 to 0.2 |
| Average | 0.25 to 0.35 |
| Unfavorable | 0.4 to 0.5 |

As has so far been described, the cycle time of a dump truck can be estimated by using the values for factors obtained according to paragraph 1) to 4).


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**2. Estimating the number of dump trucks required (M)**

The quantity of dump trucks required for use in combination with a loader working at its maximum operating efficiency can be estimated by the following formula:

$$M = \frac{\text{Cycle time of a dump truck}}{\text{Loading time}} = \frac{Cmt}{n \times Cms}$$

**Where, n : Number of cycles required for a loader to fill a dump truck**
**Cms : Cycle time of loader (min)**
**Cmt : Cycle time of dump truck (min)**

**3. Estimating the productivity of dump trucks**

The total hourly production P of several dump trucks where they are doing the same job simultaneously is estimated by the following formula:

$$P = C \times \frac{60}{Cmt} \times E_t \times M$$

**Where, P : Hourly production ($m^3$/h;$yd^3$/hr)**
**$E_t$ : Job efficiency of dump truck**
**M : Q'ty of dump trucks in operation**
**C : Production per cycle $C = n \times q_1 \times K$**
**Where, n : Number of cycles required for loader to fill dump truck**
**$q_1$ : Bucket capacity of loader ($m^3$, $yd^3$)**
**K : Bucket fill factor of loader**
**Cmt : Cycle time of dump truck**

Table 16 gives typical job efficiency as a rough guide.

To obtain the actual production figure, determine the efficiency in accordance with actual operating conditions.

**Table 16 Job efficiency of dump truck (Et)**

| Operating conditions | Job efficiency |
|---|---|
| Good | 0.83 |
| Average | 0.80 |
| Rather poor | 0.75 |
| Poor | 0.70 |

**4. Combined use of dump trucks and loaders**

**When dump trucks and loaders are used in combination, it is most desirable that the operating capacity of the dump trucks be equal to that to the loaders. That is, conditions satisfying the following equation are most desirable. Consequently, if the value of the left equation is larger, the group of dump trucks has a surplus capacity. On the other hand, if the value of the right equation is larger, the group of loaders has a surplus capacity.**

$$C \times \frac{60}{Cmt} \times E_t \times M \geqq q_1 \times K \times \frac{60}{Cms} \times Es$$

**Where, Cms : Cycle time of a loader (min)**
**$q_1$ : Bucket capacity (heaped ($m^3$; $yd^3$))**
**Es : Job efficiency of loader**
**K : Bucket fill factor**

The left equation has already been described. The right equation has the following meaning.


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**EXAMPLE**

- **A HD325, working in combination with a WA600, is hauling excavated material to a spoil-bank 500 meters away.**
  **What is the hauling capacity of the HD325?**

Working conditions for dump truck:

Haul distance: flat road: 450 m
slope: 50 m
gradient of slope: 10%

Haul road condition:
Road with sunken surface, not wetted, poorly maintained.

Type of soil:
Sandy clay (loose density 1.6 tons/ $m^3$)

Job efficiency:
0.83 (good operating conditions)

Speed limits:
For safety purposes, the following maximum speeds should not be exceeded.

| | | Speed |
|---|---|---|
| Flat | Loaded | 40 km/h |
| | Unloaded | 60 km/h |
| Uphill | Loaded | 20 km/h |
| | Unloaded | 40 km/h |
| Downhill | Loaded | 20 km/h |
| | Unloaded | 40 km/h |

Wheel Loader: Bucket capacity : 5.4$m^3$ (7.1cu.yd)
Cycle time : 0.65 min
Bucket fill factor : 0.9
Job efficiency : 0.83

**Answer**

**(a) Cycle time (Cmt)**

**(i) Loading time**

Cycle time of loader Cms = 0.65 min

Number of cycles required for loader to fill dump truck

$$n = \frac{\text{Rated capacity of dump truck}}{\text{Bucket capacity} \times \text{bucket fill factor} \times \text{loose density}} = \frac{32 \text{ tons (max. payload)}}{5.4\ m^3 \times 0.9 \times 1.6} = 4.12$$

n is taken to be 4.

Loading time = n × Cms = 4 × 0.65 = 2.60 min.

**(ii) Hauling time and returning time**

The hauling distance is divided up and the time taken to cover each section should be calculated.

| | | | | | |
|---|---|---|---|---|---|
| Hauling: | 1 Flat | 330 m | Returning: | 4 Flat | 120 m |
| | 2 Uphill | 50 m | | 5 Downhill | 50 m |
| | 3 Flat | 120 m | | 6 Flat | 330 m |

Net weight of dump truck (unloaded): 27,200 kg (figure in specifications)

**Loaded weight :**

Weight when loaded = n × bucket capacity × bucket fill factor × loose specific gravity × 1,000
= 4 × 5.4 $m^3$ × 0.9 × 1.6 × 1,000 = 31,104 kg

Weight of loaded dump truck= 27,200 kg + 31,104 kg = 58,304 kg

Using the Travel Performance Curve and Brake Performance Curve, the maximum speed for each section can be calculated.
The values for HD325 can be calculated from PERFORMANCE CURVE on the section 7A.


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The result is shown in the table below and the table of Hauling time and Returning time is 3.00 min.

**Calculation of Hauling time and Returning time**

| | | Dis-tance | Grade Resis-tance | Rolling Resis-tance | Total Resis-tance | Speed Range | Max. Travel Speed | Speed Factor | Ave. Speed | Time Taken |
|---|---|---|---|---|---|---|---|---|---|---|
| Hauling (Loaded) | Flat | 330 | 0 | 5% | 5% | F5 | 36 km/h (600 m/min) | 0.50 | 300.0 m/min | 1.10 min |
| | Uphill | 50 | 10 % | 5% | 15% | F2 | 11 km/h (183 m/min) | 0.60 | 109.8 m/min | 0.46 |
| | Flat | 120 | 0 | 5% | 5% | F5 | 36 km/h (600 m/min) | 0.60 | 300.0 m/min | 0.40 |
| Returning (Unloaded) | Flat | 120 | 0 | 5% | 5% | F6 | 53 km/h (883 m/min) | 0.35 | 309.1 m/min | 0.39 |
| | Down-hill | 50 | -10 % | 5% | -5% | F6 | *40 km/h (667 m/min) | 0.70 | 466.9 m/min | 0.11 |
| | Flat | 330 | 0 | 5% | 5% | F6 | 53 km/h (883 m/min) | 0.70 | 618.1 m/min | 0.54 |

| Total | 3.00 min |
|---|---|

*: In the Brake Performance Curve (Fig. 2), the figure for total resistance is given as –5%. This means that when driving unloaded and using the speed range F6 as shown in the diagram, it is enough to press the accelerator pedal and keep within the speed limit.

**(iii) Dumping time and standby time**

$t_1$ = 1.15 min. (average)

**(iv) Time required for the dump truck to be positioned for loading, and for the loader to start loading**

$t_2$ = 0.3 min. (average)

**(v) Cycle time**

Cmt = 2.60 + 3.00 + 1.15 + 0.3 = 7.05 min.

**(b) Estimating the production of dump truck**

$$P = C \times \frac{60}{Cmt} \times Et = 19.44 \times \frac{60}{7.05} \times 0.83 = 137.3\ m^3/h$$

C = n × bucket capacity × bucket fill factor = 4 × 5.4 × 0.9 = 19.44 $m^3$


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## MOTOR GRADERS

The motor grader is used for many purposes such as maintaining roads, final finishing for earthmoving projects, trenching and bank cutting.

Therefore there are many methods of expressing its operating capacity.

### 1. Calculating the hourly operating area ($m^2$/h)

$$Q_A = V \times (L_e - L_o) \times 1000 \times E$$

**Where** $Q_A$ **: Hourly operating area ($m^2$/hr)**
$V$ **: Working speed (km/hr)**
$L_e$ **: Effective blade length (m)**
$L_o$ **: Width of overlap (m)**
$E$ **: Job efficiency**

**NOTE:** Graders usually operate on long stretches, so the time required for gear shifting or turning can be ignored.

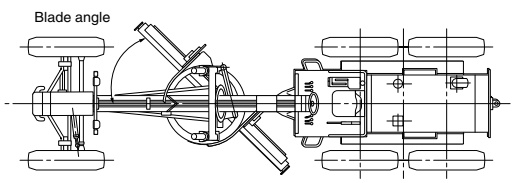
#### 1) Working speed (V)

Road repair : 2 to 6 km/h
Bank finishing: 1.6 to 2.6km/h
Field grading : 1.6 to 4 km/h
Trenching : 1.6 to 4 km/h
Snow-removal: 7 to 25 km/h
Leveling : 2 to 8 km/h

#### 2) Effective blade length (Le), width of overlap (Lo)

Since the blade is normally angled when cutting or grading the surface, the effective blade length depends on the angle.

The width of overlap is usually 0.3 m. Following table gives the values to be used when applying the formula.




| Blade length (m) | Effective blade length (m) | |
|---|---|---|
| | Blade angle 60° | Blade angle 45° |
| 2.2 | 1.9 | 1.6 |
| 2.5 | 2.2 | 1.8 |
| 2.8 | 2.4 | 2.0 |
| 3.05 | 2.6 | 2.2 |
| 3.1 | 2.7 | 2.2 |
| 3.4 | 2.9 | 2.4 |
| 3.7 | 3.2 | 2.6 |
| 4.0 | 3.5 | 2.8 |
| 4.3 | 3.7 | 3.0 |
| 4.9 | 4.2 | 3.5 |

#### 3) Job efficiency (E)

The following table gives typical job efficiency as a rough guide. To obtain the actual production figure, determine the efficiency in accordance with actual operating conditions.

| Operating conditions | Job efficiency |
|---|---|
| Road repair, leveling | 0.8 |
| Snow-removal (V-type plow) | 0.7 |
| Spreading, grading | 0.6 |
| Trenching, snow-removal | 0.5 |

### 2. When calculating the time required to finish a specific area.

$$T = \frac{N \times D}{V \times E}$$

**Where** $T$ **= Working time (h)**
$N$ **= Number of trips**
$D$ **= Working distance (km)**
$V$ **= Working speed (km/hr)**
$E$ **= Job efficiency**


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**Number of trips (N)**

When a grader is operating in a job site, and leveling parallel strips, the number of trips can be calculated by using the following formula:

$$N = \frac{W}{Le - Lo} \times n$$

Where W : Total width to be leveled (m) Le : Effective blade length (m)
Lo : Width of overlap (m)
n : Number of grading required to finish the surface to the required flatness.

## SOIL COMPACTORS

There are two ways of expressing the productivity of compactors: by the volume of soil compacted, and by the area compacted.

**1. Expressing productivity by the volume of soil compacted.**

When calculating the productivity by the volume of soil compacted, the following formula is used.

$$\mathbf{Q = \frac{W \times V \times H \times 1000 \times E}{N}}$$

**Where**

**Q = Hourly production ($m^3$/hr)(volume of soil compacted)**
**V = Operating speed (km/hr)**
**W = Effective compaction width per pass (m)**
**H = Compacted thickness for one layer (m)**
**N = Number of compaction (number of passes by compactor)**
**E = Job efficiency**

**1) Operating speed (V)**

As a general rule the following values are used.

| | |
|---|---|
| Road roller | about 2.0 km/hr |
| Tire roller | about 2.5 km/hr |
| Vibration roller | about 1.5 km/hr |
| Soil compactor | 4 - 10 km/hr |
| Tamper | about 1.0 km/hr |

**2) Effective compaction width (W)**

| Type of Equipment | W |
|---|---|
| Macadam roller | Driving wheel width - 0.2 m |
| Tandem roller | Driving wheel width - 0.2 m |
| Soil compactor | (Driving wheel width × 2) - 0.2 m |
| Tire roller | Outside-to-outside distance of most outside tires - 0.3 m |
| Large vibratory roller | Roller width - 0.2 m |
| Small vibratory roller | Roller width - 0.1 m |
| Bulldozer | (Width of track shoe × 2) - 0.3 m |

**3) Compacted thickness for one layer (H)**

Compacted thickness is determined from compaction specifications or from the results of tests, but as a general rule, it is 0.2 ~ 0.5 m in loosened soil.


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**Number of trips (N)**

When a grader is operating in a job site, and leveling parallel strips, the number of trips can be calculated by using the following formula:

$$N = \frac{W}{Le - Lo} \times n$$

Where W : Total width to be leveled (m) Le : Effective blade length (m)
Lo : Width of overlap (m)
n : Number of grading required to finish the surface to the required flatness.


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SECTION **14B**

# EARTHMOVING DATA

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## SOIL CLASSIFICATION FOR EARTH-MOVING OPERATIONS

Various classifications have been established properly for soil depending on the purposes of earth-moving operations. Generally speaking, however, detailed classifications of soil are not required for the ordinary earth-moving operations.

Rather, attention is required to be given to whether the soil to be handled is of special ores or contains special clay minerals.

Hereinafter is described the knowledge necessary for earth work planning prior to such operations as digging, loading, hauling, pushing (spreading), rolling compaction, etc., on ordinary terrain.

* Data (figures) to be given hereinafter vary largely depending on various operating and environmental conditions. Consequently, before starting the earth work, tests should be conducted to obtain correct data for operations.

Some knowledge of the weight data per unit volume of materials of their major ingredients is important for their handling or hauling in mines, etc.. The specific weight data of some major types of soil and ingredients are given below.

### WEIGHT DATA OF MATERIALS

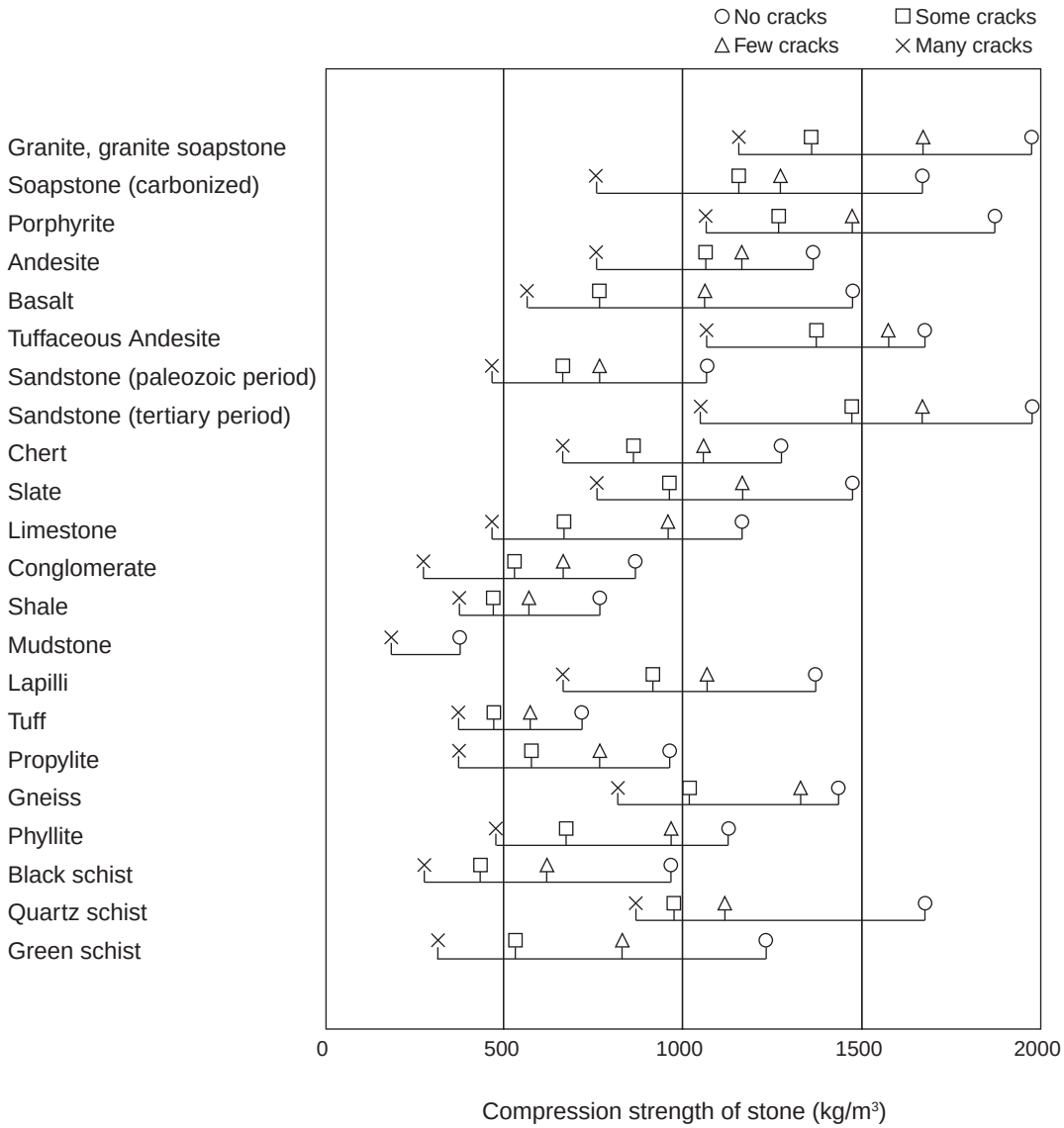
| Material | | Specific Gravity (ton/m$^3$) | |
|---|---|---|---|
| | | Bank | Crushed (Loose) |
| **Basalt** | | 2.95 | 1.7 |
| **Bauxite** | | 1.9 | 1.42 |
| **Caliche** | | 2.26 | 1.25 |
| **Carnotite, uranium ore** | | 2.2 | 1.63 |
| **Cinders** | | 0.86 | 056 |
| **Clay** | | 1.8 | 1.45 |
| **Clay & gravel** | | 2.0 | 1.45 |
| **Coal** | **Anthracite** | 1.3 | 1.0 |
| | **Bituminous** | 0.59 ~ 0.89 | 0.53 ~ 0.65 |
| **Decomposed Rock -**<br>**75% Rock, 25% Earth**<br>**50% Rock, 50% Earth**<br>**25% Rock, 75% Earth** | | <br>2.0<br>2.1<br>2.2 | <br>1.75<br>1.75<br>1.65 |
| **Earth -**<br>**Dry**<br>**Wet**<br>**Loam** | | <br>1.8<br>2.0<br>1.54 | <br>1.4<br>1.6<br>1.25 |
| **Granite** | | 2.8 | 1.6 |
| **Gravel** | | 2.17 | 1.93 |
| **Gypsum** | | 3.17 | 1.81 |
| **Hematite, iron ore** | | 3.5 | 2.0 |
| **Limestone** | | 2.8 | 1.6 |
| **Magnetite, iron ore** | | 5.05 | 2.9 |
| **Peat** | **Dry** | 0.60 ~ 0.70 | 0.40 ~ 0.50 |
| | **Wet** | 1.80 ~ 2.00 | 1.10 ~ 1.20 |
| **Pyrite, iron ore** | | 3.03 | 2.85 |
| **Sand -**<br>**Dry**<br>**Dump**<br>**Wet** | | <br>1.6<br>1.9<br>2.08 | <br>1.42<br>1.69<br>1.84 |
| **Sand & clay** | **Loose** | 2.02 | 1.6 |
| | **Compacted** | — | 2.4 |
| **Sand & gravel** | **Dry** | 1.93 | 1.72 |
| | **Wet** | 2.23 | 2.02 |
| **Sandstone** | | 2.7 | 1.55 |
| **Slag** | | 2.94 | 1.75 |
| **Snow** | **Dry** | — | 0.13 |
| | **Wet** | — | 0.52 |
| **Stone** | | 2.67 | 1.6 |
| **Taconite** | | 2.36 ~ 2.7 | 1.63 ~ 1.9 |
| **Top soil** | | 1.37 | 0.95 |
| **Trap rock** | | 2.50 ~ 2.70 | 1.60 ~ 1.80 |


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## ROCK TYPES AND COMPRESSION STRENGTHS






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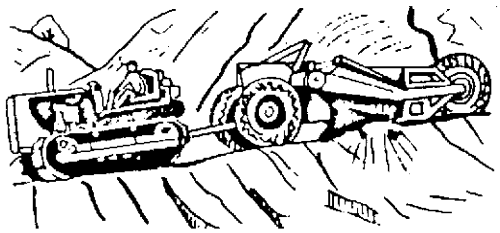


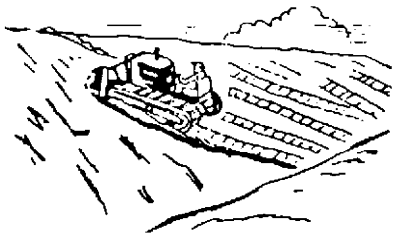
# HAULING PERFORMANCE OF CONSTRUCTION MACHINES

## INTRODUCTION

"What Model or type of a tractor is most suitable to pull this trailer?" "Is this bulldozer capable of going up this hill while pulling that scraper loaded full?"

In order to give explicit answers to these questions, it is necessary to have the right understanding of the hauling performance of vehicles.





For easy understanding, let us explain the hauling performance with the following machine capabilities and related elements.

**(1) The inherent machine capability**
**(2) Elements limiting the inherent machine capability**
**(3) Machine capabilities required for earthmoving operations**

## INHERENT MACHINE CAPABILITY

### 1. What is the inherent machine capability?

**a) Output power**

The engine horsepower of a construction machine is the most essential power of those developed by the machine itself. This can be estimated by multiplying one element (traction force) by another element (a travel speed). Accordingly, where the engine of a machine develops a rated power; the smaller the travel speed, the larger the traction force or drawbar pull will be. On the contrary, the larger the travel speed, the smaller the drawbar pull.

**b) Gear-shifting**

Gear-shifting is effected to determine the optimum drawbar pull and travel speed required for accomplishing a given job. Therefore, a machine has several gears to be selected by shifting for the optimum travel speed.

### 2. Direct-drive type tractor

The table below gives the drawbar pull and travel speeds of a direct-drive type bulldozer.

| Gear-shifting | Travel speed km/h | Rated drawbar pull kg | Max. drawbar pull kg |
|---|---|---|---|
| F1 | 2.5 | 27600 | 34500 |
| F2 | 3.5 | 19700 | — |
| F3 | 4.9 | 14100 | — |
| F4 | 6.4 | 10780 | — |
| F5 | 8.9 | 7670 | — |
| F6 | 12.9 | 5350 | — |



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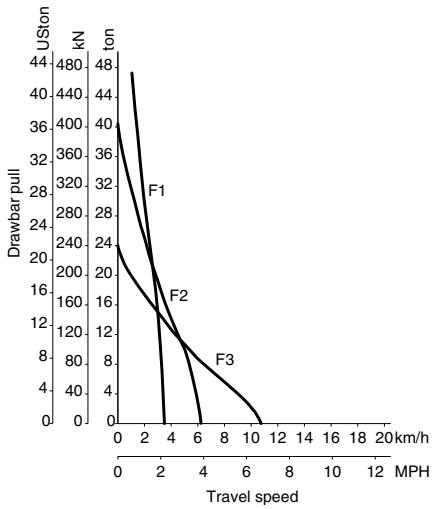

The rated drawbar pull is such a traction force that can be developed at the rated engine power and the rated revolutions (rpm). The rated drawbar pull is normally estimated by taking into account the travelling resistance (which will be explained later) and the mechanical loss of power in its line from the engine to the sprockets.

The maximum drawbar pull is the maximum traction force that can be developed by a machine and is estimated from the maximum engine torque. In other words, the maximum drawbar pull of a machine can be developed by the lugging ability of its prime mover and is practically obtained in a low gear. Consequently, the maximum drawbar pull is shown only at F1 on the specifications.

### 3. TORQFLOW-drive type tractor

In a TORQFLOW-drive type tractor, the relationships between the travel speeds and drawbar pull are obtained from the combined performance between the engine and the torque converter.

In a TORQFLOW-drive machine, it is difficult to relate both the drawbar pull and travel speeds directly to the engine revolutions. Thus, the hauling performance is indicated by curves. The graph at right gives the hauling performance curves of the TORQFLOW-drive type bulldozer.




## ELEMENTS LIMITING THE INHERENT MACHINE CAPABILITY

### 1. What are the elements limiting the inherent machine capability or power? These are;

a) Traction between the undercarriage (tracks or wheels) and the road surface.

b) Altitude

Altitude in b) will be described in a separate issue and herein is examined the problem of traction between the undercarriage and the road surface.

### 2. Traction between the undercarriage and road surface

"When a motor vehicle cannot be moved due to slipping on the snow-covered road, what should be done to move the vehicle?"

The answers are;

| Solution | | Reason |
|---|---|---|
| (1) Add load to the driving wheels. | ⇒ | The traction force is increased with the added load. |
| (2) Install chain to the wheel tires or replace the tires with the spiked type. | ⇒ | The undercarriage is made so as to develop more traction. |
| (3) Scatter sand or spread straw mats on the road surface. | ⇒ | The critical traction force is increased by the higher coefficient of traction. |

The above facts can also be applied to a crawler tractor. Now, let us look at the coefficient of cohesion and the critical traction force or traction used in the above table.

The critical traction is the maximum traction available depending on the cohesive condition of the road surface. This can be estimated by the following formula.


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$Fd = \mu d \cdot Gd$

Where, Fd : Critical traction (kg)

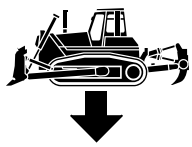
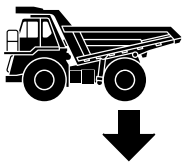
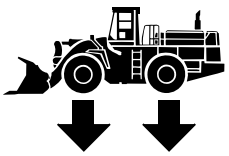
$\mu d$ : Coefficient of traction

Gd : Weight imposed on the driving wheels (kg)

The coefficient of traction depends on the condition of the road surface. Any applicable coefficient of traction can be selected from among those given in the table below.

| | Tractor w/pneumatic tires | Crawler tractor |
|---|---|---|
| **Dry concrete** | **0.95** | **0.45** |
| **Dry macadam road** | **0.70** | |
| **Wet macadam road** | **0.65** | |
| **Dry unpaved plain road** | **0.60** | **0.90** |
| **Dry ground** | **0.55** | **0.90** |
| **Wet ground** | **0.45** | **0.85** |
| **Dry loose terrain** | **0.40** | **0.60** |
| **Loose gravel** | **0.36** | **0.25** |
| **Loose sand** | **0.27** | **0.30** |
| **Muddy ground** | **0.25** | **0.25** |
| **Packed snow** | **0.20** | **0.15** |
| **Ice** | **0.12** | **0.12** |

Weight to be imposed on the driving wheels can be determined by referring to the table below

| Crawler type tractor | 2-wheel drive machine | 4-wheel drive machine |
|---|---|---|
|  |  |  |
| **Total weight of tractor** | **Weight imposed on the driving wheels** | **Total weight of tractor** |

**Example (1)** Assume that the D155 tractor pulling a towed compactor must do compaction in a dry, loose terrain. What is the critical drawbar pull?

**Solution:** The operating weight of the D155 tractor is 26730 kg. Then, $Fd = 0.60 \times 26730 = 16040$ kg

**Example (2)** What are the values of the drawbar pull which the D50A-15 bulldozer can develop at F1 and F2 in a dry, loose terrain?

**Solution:** The operating weight of the D50A-15 bulldozer is 11400 kg. Its critical drawbar pull is $11400 \times 0.60 = 6840$ kg.

The rated drawbar pull indicated in its specifications is 8280 kg at F1 or 5920 kg at F2.

Consequently

at F1: The rated drawbar pull is 8280kg, but the tracks will start shoe slip at the drawbar pull beyond 6840kg, making it impossible for its drawbar pull to be utilized to the full. Thus, the critical drawbar pull practically available is 6840 kg.

at F2: The rated drawbar pull is 5920kg. Thus, the drawbar pull can be utilized to the full.



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## MACHINE CAPABILITIES REQUIRED FOR EARTHMOVING OPERATIONS

### 1. What are the elements limiting the machine capabilities required for earthmoving operations?

When a truck is traveling on the road or going uphill, the following phenomena will be encountered as a matter of course.

| Phenomenon | | Influential element |
|---|---|---|
| (1) The travel speed of a truck with load on the flat road should vary when the same truck with the same load travels on the rugged or rutted surface. | ⇒ | Rolling resistance |
| (2) When traveling on the flat road or going uphill in the same operating gear, the travel speed should vary as a matter of course. | ⇒ | Grade resistance |

### 2. Rolling resistance

When a vehicle is traveling on the ground or road, the retarding force of ground against wheels or tracks should take place. Such a resistance varies depending on the ground or road surface conditions.

The rolling resistance is measured in the ratio to the vehicle weight and can be estimated by the following formula.

$$Wr = \mu r \bullet G$$

Where, Wr: Rolling resistance (kg) μr: Coefficients of rolling resistance
G: Vehicle operating weight

The coefficient of rolling resistance can be selected from among those given in the table below, according to the ground or road surface conditions.

The coefficient of rolling resistance can be selected from among those given in the table below, according to the ground or road surface conditions.

| Type and conditions of ground | μr (%) | | |
|---|---|---|---|
| | Vehicle w/iron wheel treads | Crawler tractor | Tractor w/pneumatic tires wheels |
| Iron truck | 1.0 | | |
| Concrete floor | 2.0 | 2.8 | 2.3 |
| Macadam road | 2.9 | 3.3 | 2.8 |
| Wood pavement | 2.5 | | |
| Dry unpaved plain road | 4.5 | 4.6 | 3.5 |
| Firm terrain | 10.0 | 5.5 | 4.0 |
| Dry, loose terrain | 11.5 | 6.5 | 4.5 |
| Soft terrain | 16.0 | 8.0 | 9.0 |
| Loose gravel | 15.0 | 9.0 | 12.0 |
| Loose sand | 15.0 | 9.0 | 12.0 |
| Muddy ground | | 12.0 | 16.0 |
| Packed snow | | | 3.7 |
| Ice | | | 2.0 |

In a crawler tractor, too, the rolling resistance should vary depending on the type of applied soil. The representative values of rolling resistance, however, are taken into account in preparing the curves for drawbar pull and hauling performance of crawler tractors. Therefore, the varying rolling resistance may practically be ignored.



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**Example (3)** What is the rolling resistance of the D85-12 tractor to pull the RS12 scraper (empty). The ground surface is in a soft terran.

**Solution:** The weight of an RS12 scraper (empty) is 10500 kg
The rolling resistance = 0.09 × 10500 = 945kg

**Example (4)** What is the rolling resistance of the D155 tractor to pull the RS24 scraper loaded full. The ground surface is in a dry loose terran.

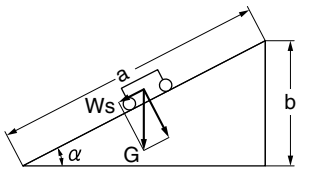
**Solution:** The net weight of an RS24 is 18000 kg
The maximum payload is 34080 kg
The gross weight is 52080 kg
Thus, the rolling resistance = 0.045 × 52080 = 2340 kg

### 3. Grade resistance

The grade resistance is the retarding force of gravity to be encountered when a vehicle is going uphill. The grade resistance can be estimated by the following formula.

**Ws= G·sin α**

**Where, Ws : Grade resistance (kg)**
**G : Operating weight of a vehicle (kg)**
**α : Angle formed with the horizon (degree)**



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A grade (degree) and sin α can be selected from among those given in the table below.

**Grade resistance (%) converted from angle (°) of gradient**

**Grade resistance (%) converted from angle (°) of gradient**

| Angle | % (sin α) | Angle | % (sin α) | Angle | % (sin α) |
|---|---|---|---|---|---|
| 1 | 1.8 | 11 | 19.0 | 21 | 35.8 |
| 2 | 3.5 | 12 | 20.8 | 22 | 37.5 |
| 3 | 5.2 | 13 | 22.5 | 23 | 39.1 |
| 4 | 7.0 | 14 | 24.2 | 24 | 40.2 |
| 5 | 8.7 | 15 | 25.9 | 25 | 42.3 |
| 6 | 10.5 | 16 | 27.6 | 26 | 43.8 |
| 7 | 12.2 | 17 | 29.2 | 27 | 45.4 |
| 8 | 13.9 | 18 | 30.9 | 28 | 47.0 |
| 9 | 15.6 | 19 | 32.6 | 29 | 48.5 |
| 10 | 17.4 | 20 | 34.2 | 30 | 50.0 |

**Example (5)** What is the grade resistance against the D50A-15 angledozer going uphill at 15° ?

**Solution:** The operating weight of the D50A-15 angledozer is 11400 kg. Thus, the grade resistance will be 11400 × 0.259=2950 kg

### 4. Hauling resistance

The hauling resistance is the grand total of the rolling resistance, grade resistance, accelerating resistance and air resistance. However, construction machines are slow in the travel speed. Normally, the hauling resistance of construction machines may be considered to be the total of the rolling resistance and grade resistance.

The grade resistance acts so as to retard the uphill traveling of a vehicle, whereas the grade resistance acts so as to accelerate the downhill traveling. The above relationships can be indicated as follows:



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| Conditions | Haul resistance |
|---|---|
| Uphill traveling | Rolling resistance + grade resistance |
| Traveling on flat, level surface | Rolling resistance. |
| Downhill traveling | Rolling resistance – grade resistance |

**Example (6)** What is the hauling resistance against the D60-6 tractor going uphill at 4° in a dry, loose terrain, while pulling an RS08 scraper with maximum load?

**Solution:** The gross weight of the RS08 with maximum load is 18870 kg.

The rolling resistance factor is 0.045. Thus, the rolling resistance is 0.045 × 18870 = 850 kg

The weight of the D60-6 tractor is 12550 kg.

The gross weight of the RS08 is 18870 kg.

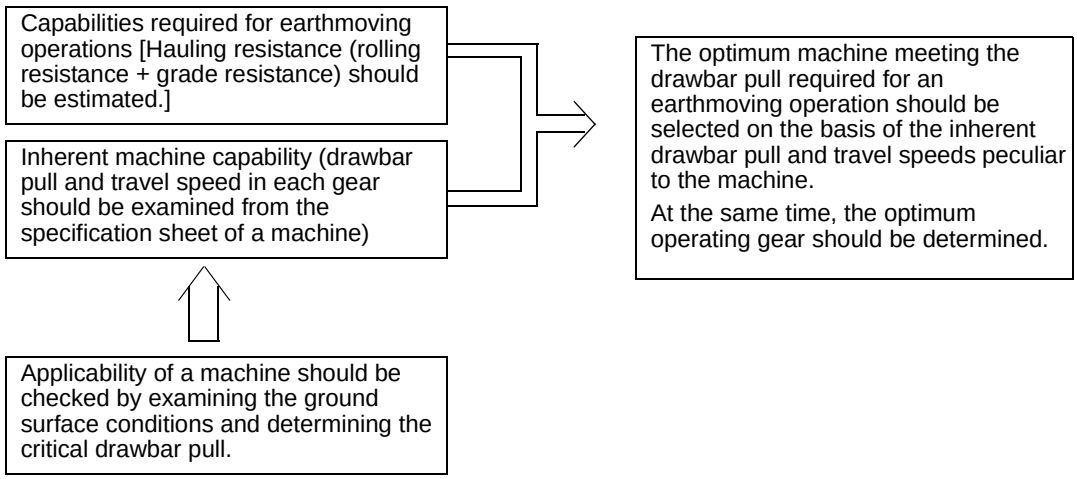
Then, the total weight of both machines is 31420 kg

Consequently, the grade resistance is 0.07 × 31420 = 2200 kg.

Thus, the hauling resistance is 850 + 2200 = 3050 kg.

## SUMMARY AND APPLICATION

### 1. Summary




### 2. Application

**Example (7)** Assume that the D65 tractor is used to pull a wheeled wagon (the empty weight: 17 tons) with a 50-ton load in a dry, loose terrain.

What are the operating gears and the corresponding approx. travel speeds available on a flat, level ground? What is the degree of a hill climbable under the same condition?

**Solution:** **The rolling resistance**

Weight of the wagon (empty): 17000 kg  Payload: 50000 kg

Total weight: 67000 kg  Coefficient of rolling resistance: 0.045

Consequently the rolling resistance against the wagon is 67000 × 0.045 = 3015 kg



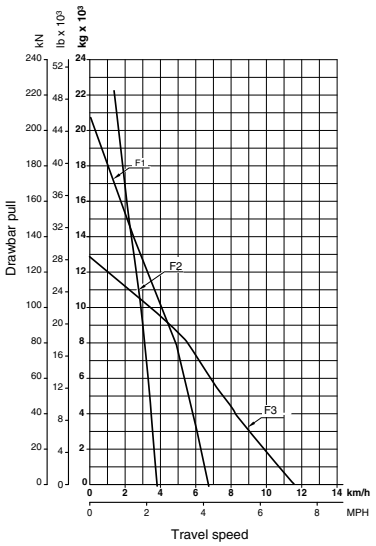
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**Operating gears and travel speeds on flat, level ground**

From the hauling performance curves below, the operating gears and travel speeds at a 3015 kg drawbar pull are:

approx. 9.0 km/h at F3 or

approx. 6.0 km/h at F2




**Critical drawbar pull**

The operating weight of D65 tractor: 12750 kg

Coefficient of traction: 0.60

Consequently, the critical drawbar pull is 12750 × 0.60 = 7650 kg

**Degree of a climbable hill (gradeability)**

Tractor weight + wagon weight + pay load = 12750 + 17000 + 50000 = 79750 kg

The grade resistance retarding per angle of grade is 79750 × 0.018 = 1435 kg

**Consequently,**

$$\textbf{Gradeability} \left( \frac{\textbf{Critical drawbar pull – rolling resistance}}{\textbf{Grade resistance per angle of grade}} \right) \textbf{ will be } \frac{\textbf{7650 – 3015}}{\textbf{1435}} \textbf{ = 3.2 (degree)}$$

The explanations made so far on the travelling or hauling performance of construction machines pertain only to the traveling of individual machines and the pulling of towed vehicles by tractors. For instance where a tractor pulls a scraper, it can be judged whether the tractor can be used for this purpose, but it can not be determined whether the tractor can perform a digging or a loading operation under the same conditions as mentioned above. Operators or field-superintendents are requested to keep it in mind that such a judgement should be based on the operators' accumulated experiment or on the reference for such operating combinations or cooperation among towing tractors and towed vehicles as recommended by KOMATSU.


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**TRAFFICABILITY**

Operating efficiency of a construction machine depends largely on the ground surface on which the machine travels. In clay, loam or clayey soil high in water or moisture content, the bearing force of soil is low and a "kneading" phenomenon is liable to occur. Consequently, there are cases where a construction machine cannot be operated because of the type and conditions of soil. The degree of the traveling capability of a construction machine is called the traffic-ability.

In general, traffic-ability is indicated by a cone index No. (The method of measuring a cone index No. will be described later.)

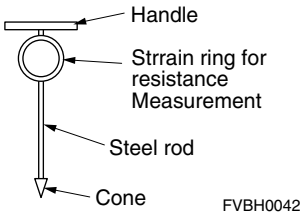
The larger the cone index number becomes, the higher the traffic-ability of the machine will become. In other words, on the soil larger in cone index No., a construction machine will be able to travel easier.

The minimum cone index numbers required for various types of construction machines to perform digging, hauling operations, etc. are given below.

| Cone index No. | Type of construction machine | Ground pressure ($kg/cm^2$) |
|---|---|---|
| Below 2 | Ultra swamp bulldozer (PL class) | 0.15 ~ 0.25 |
| 2 to 4 | Swamp bulldozer (P Class) | 0.2 ~ 0.3 |
| 4 to 5 | Small-size bulldozer (D20 ~ D31) | 0.3 ~ 0.6 |
| 5 to 7 | Medium-size bulldozer (D41~D75S) | 0.6 ~ 0.8 |
| 7 to 10 | Large-size bulldozer (D85 ~ D575) & towed scraper | 0.7 ~ 1.5 |
| 10 to 13 | Motor scraper | |
| 15 & more | Dump truck | |

**NOTE:**

In determining a cone index, apply the cone penetrometer at 3 or 4 points at least to average the variations in the measured values.




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* Cone index numbers (qc)

A cone index number is measured by means of a cone penetro-meter in a cone penetration test.
A rod with a cone at the tip is pushed into the soil by hand.
The pressure required to advance the cone at a slow constant rate is known as the penetration resistance.
The penetration resistance is read out on the dial gauge.
Thereby, the shearing strength of soil can be estimated.
Then, a cone index number can be obtained by referring the estimated shearing strength to the conversion table attached to the meter.

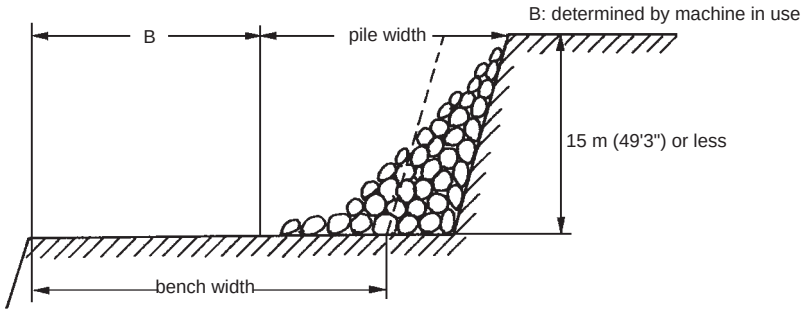


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## 1. Blasting and bench width

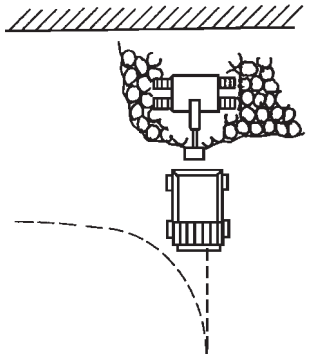
Minimum bench width should be at least twice the cutting face height.




## 2. Machine and bench width

### 2.1 Excavator loading to the dump truck

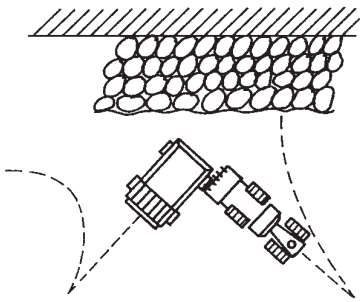
Bench width must be at least three times the dump truck's turning radius.



| Model | Min. turning radius m (ft.in) | Bench width m (ft.in) |
|---|---|---|
| HD255 | 7 (23') | 21 (68'11") |
| HD325 | 7.2 (23'7") | 22 (72'2") |
| HD405 | 7.2 (23'7") | 22 (72'2") |
| HD465 | 8.5 (27'11") | 26 (85'4") |
| HD605 | 8.5 (27'11") | 26 (85'4") |
| HD785 | 10.1 (33'2") | 30 (98'5") |
| HD1500 | 12.2 (40') | 37 (121'5") |
| 730E | 14.0 (45'11") | 42 (137'10") |
| 830E | 14.2 (46'7") | 43 (141'1") |
| 860E | 15.5 (50'10") | 47 (154'2") |
| 930E | 15.2 (48'9") | 46 (150'11") |
| 960E | 16.0 (52'6") | 48 (157'6") |

### 2.2 Wheel loader loading to the dump truck

Bench width must be at least three times the wheeled loader's length.



| Model | Wheel loader length m (ft.in) | Bench width m (ft.in) |
|---|---|---|
| WA500 | 9.9 (32'6") | 30 (98'5") |
| WA600 | 12.0 (39'4") | 36 (118'1") |
| WA700 | 12.5 (41') | 38 (124'8") |
| WA800 | 14.1 (46'3") | 43 (141'1") |
| WA900 | 14.5 (47'7") | 44 (144'4") |
| WA1200 | 19.1 (62'8") | 56 (183'9") |


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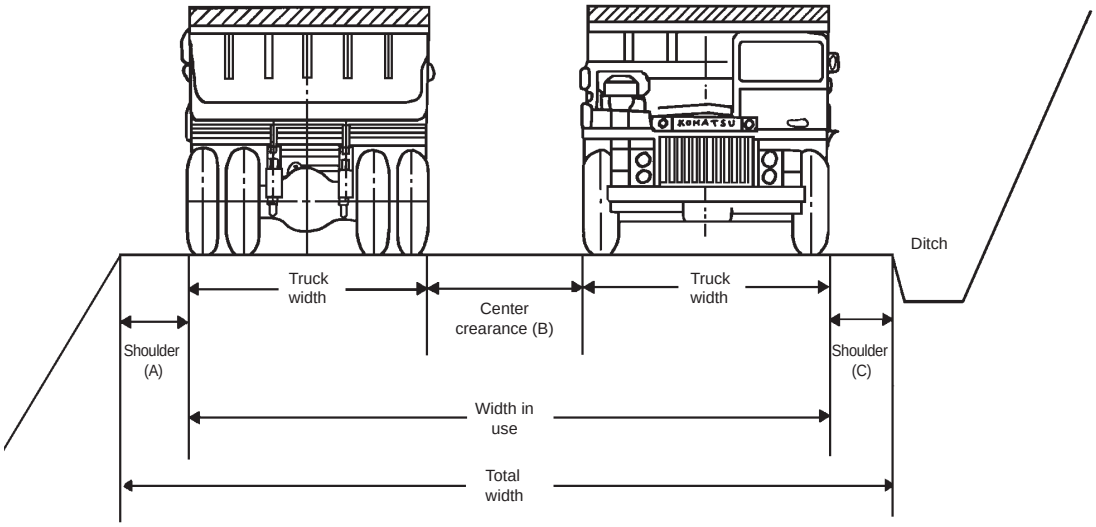

## 3. Haul road planning

### 3.1 Dump truck width and haul road size

The width dump truck haul road must have sufficient room to accommodate the model of dump truck planned for use on the site.

**In order to accommodate one lane in each direction, with trucks going 30 km/h (18.6 MPH), the haul road must be at least four times the truck width**

Dump truck width and haul road size




| Model | Speed km/h (MPH) | Center clearance (B) m (ft.in) | Downhill shoulder (A) m (ft.in) | Uphill shoulder (C) m (ft.in) | Total road width m (ft.in) |
|---|---|---|---|---|---|
| HD255-5<br>Truck width<br>3.2 m (10'6") | 20 (12.4)<br>30 (18.6)<br>40 (24.9) | 2.0 (6'7")<br>2.5 (8'2")<br>3.0 (9'10") | 2.0 (6'7")<br>2.0 (6'7")<br>2.0 (6'7") | 1.0 (3'3")<br>1.5 (4'11")<br>1.5 (4'11") | 11.4 (37'5")<br>12.4 (40'8")<br>12.9 (42'4") |
| HD325-6<br>Truck width<br>3.7 m (12'2") | 20 (12.4)<br>30 (18.6)<br>40 (24.9) | 3.0 (9'10")<br>3.0 (9'10")<br>3.5 (11'6") | 2.0 (6'7")<br>3.0 (9'10")<br>3.0 (9'10") | 1.5 (4'11")<br>1.5 (4'11")<br>2.0 (6'7") | 13.8 (45'3")<br>14.9 (48'11")<br>15.9 (52'2") |
| HD405-6<br>Truck width<br>3.7 m (12'2") | 20 (12.4)<br>30 (18.6)<br>40 (24.9) | 3.0 (9'10")<br>3.0 (9'10")<br>3.5 (11'6") | 2.0 (6'7")<br>3.0 (9'10")<br>3.0 (9'10") | 1.5 (4'11")<br>1.5 (4'11")<br>2.0 (6'7") | 13.8 (45'3")<br>14.9 (48'11")<br>15.9 (52'2") |
| HD465-7<br>Truck width<br>4.6 m (15'1") | 20 (12.4)<br>30 (18.6)<br>40 (24.9) | 3.0 (9'10")<br>3.5 (11'6")<br>3.5 (11'6") | 3.0 (9'10")<br>3.0 (9'10")<br>3.5 (11'6") | 1.5 (4'11")<br>2.0 (6'7")<br>2.5 (8'2") | 16.7 (54'10")<br>17.7 (58'1")<br>18.7 (61'4") |
| HD605-7<br>Truck width<br>4.6 m (15'1") | 20 (12.4)<br>30 (18.6)<br>40 (24.9) | 3.0 (9'10")<br>3.5 (11'6")<br>3.5 (11'6") | 3.0 (9'10")<br>3.0 (9'10")<br>3.5 (11'6") | 1.5 (4'11")<br>2.0 (6'7")<br>2.5 (8'2") | 16.7 (54'10")<br>17.7 (58'1")<br>18.7 (61'4") |
| HD785-7<br>Truck width<br>5.48 m (18'0") | 20 (12.4)<br>30 (18.6)<br>40 (24.9) | 3.5 (11'6")<br>4.0 (13'1")<br>4.5 (14'9") | 3.5 (11'6")<br>4.5 (14'9")<br>4.5 (14'9") | 2.5 (4'11")<br>2.5 (6'7")<br>3.0 (8'2") | 20.5 (67'3")<br>22.0 (72'2")<br>23.0 (75'6") |
| HD1500<br>Truck width<br>6.1 m (20'0") | 20 (12.4)<br>30 (18.6)<br>40 (24.9) | 3.5 (11'6")<br>4.0 (13'1")<br>4.5 (14'9") | 3.5 (11'6")<br>4.5 (14'9")<br>4.5 (14'9") | 2.5 (8'2")<br>2.5 (8'2")<br>3.0 (9'10") | 21.7 (71'2")<br>23.2 (76'1")<br>24.2 (79'5") |


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| Model | Speed km/h (MPH) | Center clearance (B) m (ft.in) | Downhill shoulder (A) m (ft.in) | Uphill shoulder (C) m (ft.in) | Total road width m (ft.in) |
|---|---|---|---|---|---|
| 730E<br>Truck width<br>7.25 m (23'9") | 20 (12.4)<br>30 (18.6)<br>40 (24.9) | 3.5 (11'6")<br>4.0 (13'1")<br>4.5 (14'9") | 4.0 (13'1")<br>5.0 (16'5")<br>5.0 (16'5") | 2.5 (8'2")<br>2.5 (8'2")<br>3.0 (9'10") | 24.5 (80'5")<br>26.0 (85'4")<br>27.0 (88'7") |
| 830E<br>Truck width<br>7.26 m (23'10") | 20 (12.4)<br>30 (18.6)<br>40 (24.9) | 3.5 (11'6")<br>4.0 (13'1")<br>4.5 (14'9") | 4.0 (13'1")<br>5.0 (16'5")<br>5.0 (16'5") | 2.5 (8'2")<br>2.5 (8'2")<br>3.0 (9'10") | 24.5 (80'5")<br>26.0 (85'4")<br>27.0 (88'7") |
| 860E<br>Truck width<br>8.33 m (27'4") | 20 (12.4)<br>30 (18.6)<br>40 (24.9) | 4.0 (13'1")<br>4.5 (14'9")<br>5.0 (16'5") | 4.0 (13'1")<br>5.0 (16'5")<br>5.0 (16'5") | 2.5 (8'2")<br>2.5 (8'2")<br>3.0 (9'10") | 27.2 (89'3")<br>28.7 (94'2")<br>29.7 (97'5") |
| 930E-3<br>Truck width<br>8.69 m (20'6") | 20 (12.4)<br>30 (18.6)<br>40 (24.9) | 4.0 (13'1")<br>4.5 (14'9")<br>5.0 (16'5") | 4.0 (13'1")<br>5.0 (16'5")<br>5.0 (16'5") | 2.5 (8'2")<br>2.5 (8'2")<br>3.0 (9'10") | 27.9 (91'6")<br>29.4 (96'6")<br>30.4 (99'9") |

3.2 Haul road grade

For best fuel efficiency and safety against slippage, etc, the road's grade should ideally be under 10%.


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SECTION 15

# OWNING & OPERATING COSTS Sec 15

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SECTION 15

# OWNING & OPERATING COSTS

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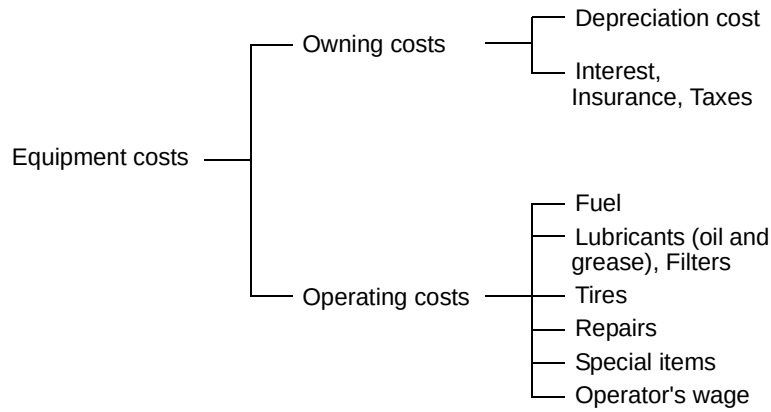
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## Estimation of the Owning & Operating Costs

Along with the trend for mechanization adopted for economical and satisfactory job accomplishment, equipment costs now occupy a large proportion of the overall construction cost. Therefore, the estimation of the equipment costs has become more important. Success or failure in a contract for a construction job is virtually dependent on the estimates of the equipment costs. In other words, careful consideration of the equipment costs is of prime importance, if a contractor is to fulfill the contract at a profit. Unless estimates are made properly, there will occur cases where a construction job cannot be accomplished at a profit.

There are two types of equipment costs: owning costs and operating costs. Owning costs refer to the costs incurred even if the machine is not working. They include depreciation, interest, taxes and insurance. Operating costs are the costs incurred in actually operating the machine. They include costs for repair, fuel, lubricants, tires, special items (consumable parts such as ground engaging tool) and operator's wages.




We would like to explain **one method** of estimating the owning and operating costs of construction equipment in this handbook.

**The owning and operating costs of construction equipment can vary widely because they are influenced by many factors: the type of work the machine does, local prices of material, labor, fuel and lubricants, interest rates, etc. Accordingly it is very dangerous to estimate the costs relying entirely on an established form of calculation method.**

In this Manual, however, we will make approximate estimates of general application of the equipment costs. Accordingly, if users want more accurate values of the costs, we hope that they will make estimates by taking into account their own reference data and territorial or environmental conditions.

**Depreciation period, and repair and periodic maintenance cost are especially affected by specific application and type of work. Therefore, if you need those data, we suggest that you contact the local Komatsu distributor with necessary information.**

The equipment owning and operating costs are calculated in units of $/m$^3$, $/m$^2$ or $/h, etc., depending on the type of construction work. The costs in $/m$^3$ or $/m$^2$ are obtained by dividing the cost in $/h by production (m$^3$/h) and thus, it is recommended that the owning and operating costs be calculated in the unit of $/h as generally accepted.

### 1. Owning cost

The equipment owning cost is the expense required, as a matter of course, for the purchase and possession of the equipment as a property of its owner and consists of the following two items.

**(1) Depreciation**

**(2) Interest, insurance and taxes**

#### 1-1. Depreciation

In general, depreciation is a tax term referring to the legally permitted decline in value from the original purchase price of equipment, and is an assessable property (expressed in units of years). Depreciation referred to herein is a business practice for conserving the investment in the form of purchased equipment, in other words, for making preparations in a systematic manner for the fund necessary for replacing the existing equipment with new or any other equipment.

$$\text{Depreciation} = \frac{\text{Net Depreciation Value}}{\text{Depreciation Period in Hours}}$$

Net depreciation value means Original purchase price minus Resale or Trade-in price.

The depreciation period varies considerably according to the equipment operating conditions. It is also affected by the speed of fund collection desired by the user, environmental and economic conditions in its applied territory. Furthermore, it goes without saying that maintenance of equipment is a significant


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factor in determining the economical life of the equipment. Proper maintenance will extend the life of equipment. On the other hand, poor or improper maintenance will shorten the life. There is the legal depreciation period in each country for tax purpose. However, in the business, it is rather usual to employ the equipment owning period as the depreciation period. The equipment owning period is strongly affected by the economical life of the equipment (Years or hours for which the equipment can be used gainfully).
When you need to estimate the value of the economical life for a specific product, please consult your distributor or Komatsu representative. They can suggest you with the appropriate values from their experience and the data they have. (The former handbook contained the depreciation period, but they are removed because the straight numbers sometimes mislead the readers.)
The net depreciation value is the net amount to be considered in the depreciation of equipment.

In case of crawler-type tractors, their purchase prices are used to calculate the net depreciation value. In wheel type equipment, their tire values should be deducted from the purchase prices, because, unlike the undercarriages of crawler-type equipment, tires wear out earlier than the equipment chassis proper, and tires are not cheap. Further, there is a possibility of tires becoming unserviceable suddenly in unexpected accidents. Hence, it is necessary in tire depreciation to include their degrees of wear into the operating cost.

**Resale or trade-in values**

At the time of resale or trade-in, construction machines have a value.

Some users will hope that in terms of book value the machine will depreciate completely within the depreciation period. Other users will hope that the residual value expressed as resale value or trade-in value will be left. For these users the resale value or trade-in value is an important factor in reducing the capital invested. This value is also a factor when deciding to purchase a new machine.

The resale value or trade-in value changes greatly according to the territory. Therefore the conditions in that territory must be considered when determining these values. However, major factors in deciding resale value or trade-in value are the hours of operation, nature of work and working environment. The real resale value or trade-in value cannot be decided simply, but when a realistic value is decided it is subtracted from the purchase price to give the Net Depreciation value. It is then possible to obtain the depreciation from the Net Depreciation Value.

### 1-2. Interest, insurance and taxes

Whether or not purchased equipment is actually in operation, its users must pay interest, insurance and taxes. Interest refers to the interest on the investment, when the investment is covered by the user's own fund or to the interest on the debt, when the investment is covered by a debt. In either case, the interest will be an equal amount.

Insurance and taxes are imposed on the annual residual values of the equipment, which requires knowledge of depreciation as prescribed by the tax law. The depreciation rate or the depreciation period (whether it is a fixed amount or a fixed rate) vary according to the country. For the correct values of insurance and taxes on the residual value in a country, the calculation formulas established in that country must be used.

Interest, insurance and taxes are imposed on the residual value that is the difference between the purchase price and the depreciated amount. This residual value decreases every year. However, when the user calculates owning & operating costs, it is convenient to consider interest, insurance and taxes as a constant amount paid out each year. For this reason, the machine will be considered here to depreciate by a constant annual amount. A calculation is made of the average value of the residual value at the beginning of each year within the depreciation period, and interest, insurance and taxes are imposed on this value. By dividing this value by the number of hours the user expects to operate the machine in one year, the hourly value can be calculated.

This can be calculated by using the following formula.

$$\textbf{Interest, insurance, tax} = \frac{\text{Factor} \times \text{Delivered price} \times \text{Annual rates}}{\text{Annual use in hours}}$$

The annual rates are the total of those of interest, insurance and tax.
The factor can be obtained by using Table 1 or can be calculated by the following formula.

$$\textbf{Factor} = 1 - \frac{(n-1)(1-r)}{2n}$$


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where **n: Depreciation period**

**r: Trade-in value rate =** $\frac{\text{Machine worth at trade-in or resale time}}{\text{Delivered price}}$

(Example)

Delivered price: $100,000 Annual rates: 15% Annual use in hours: 2,000 hrs

Trade-in value: $25,000 Depreciation period (n) : 4 years

**Solution**

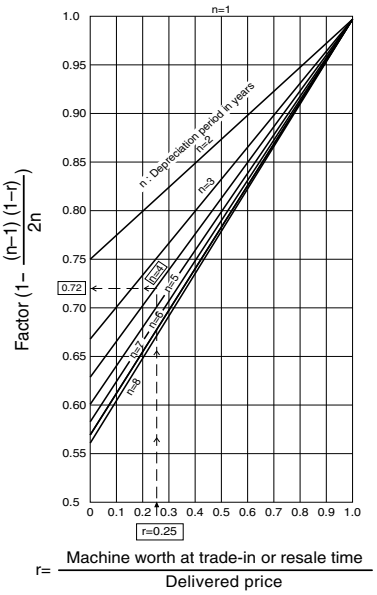
$\mathbf{r} = \frac{25{,}000}{100{,}000} = 0.25$

$\mathbf{Factor} = 1 - \frac{(4-1)(1-0.25)}{2 \times 4} = 0.72$

When obtaining the factor by using Table 1.
Enter r = 0.25 in Table 1
Move vertically to n = 4 line and horizontally to left axis.
Applicable factor is 0.72

**Interest, insurance, tax =** $\frac{0.72 \times \$100{,}000 \times 0.15}{2{,}000}$ **= $3.59**

**Table 1 Factor of Interest, Insurance, Taxes**




## 2. Operating cost

The equipment operating costs are proportional to the time that the equipment works. Items considered in this category are as follows:

(1) Fuel
(2) Lubricants (oil and grease), Filters and Periodic Maintenance Labor
(3) Tires
(4) Repair Cost
(5) Special items (Ground engaging tools)
(6) Operator's wage

### 2-1. Fuel

More definite fuel consumption data should be measured in the field.

It is possible, however, to anticipate the actual or approximate consumption values according to the actual operating conditions without measuring the consumption. **Table 3** gives the hourly fuel consumption values for KOMATSU construction machines. In this table, the average values are given, provided that the job conditions are classified into three different ranges of application. If a user has data on certain operating conditions, more correct or realistic values will be obtained by applying these data in similar operating conditions, provided that the equipment is limited to the same type as that used in the user's data.

To estimate hourly fuel cost, select the job condition based on application and find hourly fuel consumption.

Hourly fuel cost = Hourly fuel consumption × Local unit price of fuel

### 2-2. Lubricants (oil and grease), filters and periodic maintenance labor

It is possible to measure the consumption of lubricants and grease in the same manner as the fuel consumption. The consumption values of lubricants and grease are also obtained by calculation on the basis of lubrication intervals, but they are affected greatly by the type of machines and their operating conditions, which makes it difficult to specify the consumption suited for various machines and their operating conditions. **Table 4** gives the data based on the oil use per hour for your reference.

**Hourly Lubricant Consumption = Oil replacement amount (liter) ÷ Oil change interval (hour)**

Prices of lubricants vary in countries or areas and, therefore, the local price (price in that country or area) should be used.

In KOMATSU construction machines, filter replacement intervals are standardized for each machine model. Thus, the cost of filter can be calculated from the local price of filter and the replacement interval. The hourly filter cost is the total of the hourly costs for each type of filter.


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**(Example)**

$$\text{Hourly cost of filter A} = \frac{\text{Number of filters A} \times \text{Local price of filter A}}{\text{Replacement interval of filter A}}$$

The same method is used for calculating the hourly filter cost of other filters. For quick estimation, hourly filter costs are about 50% of hourly lubricant costs. If they are used in the dusty terrain, the calculated value should be multiplied by a proper factor.

**If necessary, we suggest you to contact the local Komatsu distributor with necessary information to get the assistance for estimating them.**

### 2-3. Tires

As has been described in Depreciation, tires are in the category of consumable parts and tires are generally expensive. Therefore, it is better to include the tire cost as an individual item in the operating costs. Tire cost is calculated by the following formula.

$$\text{Hourly tire cost} = \frac{\text{Tire price}}{\text{Estimated life}}$$

As tire prices vary in each country or area, the price of tires actually bought by a user should be applied. It is difficult to indicate definitely the tire life, because the tire life is affected by many factors. However, the general measurements for the life expectancy of tires can be indicated on the basis of past experience and data obtained from the tire manufacturers. Refer to **Table 4**.

In this table, the approximate life values are given for three different types of conditions. The optimum value for a certain ground condition is one of those obtained by a user in experience on similar ground conditions. When recapped tires are to be used, their prices and life expectancy must be changed correspondingly.

### 2-4. Repair cost

Components or parts of a machine will in due course wear and sometimes fail. To keep a machine in a properly maintained condition, these components or parts must be replaced. It is natural for the repair cost of a machine to start from a small amount and gradually increase with time as the machine is operated. The repair cost of a machine can be estimated actually as described above with respect to the machine operating time. However, in general, repair cost is considered as an average of total repair costs throughout the service life of a machine. In other words, it is based on the concept that part of repair cost to be paid later should be laid aside in advance.

**Repair costs are more greatly affected by the machine operating conditions than by any other cost items. It depends greatly on the job, operating techniques or operator's skill, proper maintenance, etc. In a specific job application, calculation for repair cost should be made on the basis of the data accumulated in the past. If such data are not available, the calculation should be made with due consideration of experience.**

**Repair Cost are affected by specific application and type of work as well.**
**Therefore, we suggest that you contact the local Komatsu distributor with nesessary information for the repair cost estimation.**

### 2-5. Special items (Ground engaging tools)

In the objects of repair, the repair costs include the machine and its attachments. Some parts of a machine wear faster than others. These parts are the ground engaging tools and not included in the category of repair but in a group of special items. Life expectancy of ripper points, ripper shanks and shank protector is given in **Table 5**.

### 2-6. Operator wages

Operator hourly wages vary according to the country and area. Thus, the wages actually paid by users should be used.


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### 3. Example of calculation

**PC200 is delivered for $92,811 at a job site.**

**Applications:**

Mass excavation or trenching where machine digs all the time in natural bed clay soils. Some traveling and steady, full throttle operation.

**Net Depreciation Value**

Since the machine is a crawler-type, tires are not involved. This owner knows from experience that at trade-in time, the machine will be worth approximately 10% of its delivered price 4 years from now.

**Trade-in value is $9,281**

**Net depreciation value = $92,811 – $9,281 =$83,530**

## Owning cost

**Depreciation:**

Putting 10,000 hours as the example depreciation period.

$$\textbf{Depreciation} = \frac{\$83{,}530}{10{,}000} = \$8.35$$

**Interest, Insurance, Taxes**

Owner plans to use machine during 4 years and about 2,500 hours per year.

$$\textbf{Trade-in value rate(r)} = \frac{\$9{,}281}{\$92{,}811} = 0.1$$

Calculate the Factor according to depreciation period and trade-in value rate, which is 0.66.

Enter the annual rates of interest, insurance and taxes and total them, which is 0.14 as an example.

$$\textbf{Interest, insurance, taxes cost} = \frac{0.66 \times \$92{,}811 \times 0.14}{2{,}500} = \$3.43$$

Add up the depreciation cost and interest, insurance, taxes cost for total owning.

## Operating cost

**Fuel:** See **Table 3**.

The intended application is in medium range. The estimated fuel consumption from table is 12.5 liter/hour.

Cost of fuel in this area is $0.2/liter.

Consumption × Unit cost = 12.5 liter/hr × $0.2/liter = $2.5

**Lubricants, Filters and Periodic Maintenance labor:**

Use local Komatsu distributor's estimation. (For calculation example: use $0.39)
Tires are not involved, since the machine is crawler type.

**Repair Cost**

Use local Komatsu distributor's estimation. (For calulation example: use $3.30)

**Repairs =** $3.30

Since the machine does not have fast wear parts like ripper points of bulldozer or cutting edge of motor grader, special item can be disregarded.

Operator hourly wage in this area is $16.00.

Add up the fuel cost, lubricant grease filter costs, repair cost and operator's hourly wage for operating cost.

## Total hourly owning and operating costs

Add up the total owning cost and total operating cost.

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**Examle**

Estimated Owning and Operating Costs :

Machine & Model : Hydraulic Excavator PC200

Attachments : Standard bucket 0.8m$^3$ (SAE heaped)

Delivered Price (including attachments) : $92,811

Less Tire Price :

Front :

Rear :

Total Tire Price :

Delivered Price Less Tire :

Trade-in Value or Resale Value (optional) : $9,281

Net Depreciation Value : $83,530

**Owning costs**

Depreciation :

$$\frac{\text{Net Depreciation Value}}{\text{Depreciation Period in Hours}} = \frac{\$83{,}530}{10{,}000} = \$8.35$$

Interest, Insurance, Taxes :

Depreciation Period : 4 Years

$$\text{Trade-in value rate (r)} = \frac{\text{Trade-in Value or Resale Value}}{\text{Delivered Price}} = \frac{9{,}281}{92{,}811} = 0.1$$

$$\text{Factor} = 1 - \frac{(n-1)(1-r)}{2n} = 1 - \frac{(4-1)(1-0.1)}{2 \times 4} = 0.66$$

Annual Rates : (Int. % + Ins. % + Taxes % = %) ÷ 100 = 0.14

Approximate Annual Use : Hours

$$\frac{\text{Factor x Delivered Price x Annual Rates}}{\text{Annual Use in Hours}} = \frac{0.66 \times 92{,}811 \times 0.14}{2{,}500} = \$3.43$$

Total Owning Costs $11.78

**Operating costs**

| | Consumption | | Unit cost | | |
|---|---|---|---|---|---|
| Fuel : | 12.5 liter / hr | x | $0.2 / liter | = | $2.50 |
| Lubricants, Filters and Periodic Maintenance Labor (Ask your local Komatsu distributor) | | | | example = | $0.39 |
| Tires: Tire Price / Estimated Life = | | = | | | |
| Repair Cost (Ask your local Komatsu distributor) | | | | = | $3.30 |
| Special items | | | | | |
| Operator's Hourly Wage | | | | | $16.00 |
| Total Operating Costs : | | | | | $22.19 |

**Total hourly owning and operating costs** $33.97



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**Blank sheet**

Estimated Owning and Operating Costs :

Machine & Model : _____

Attachments : _____

Delivered Price (including attachments) : _____ _____

Less Tire Price :

Front : _____

Rear : _____

Total Tire Price : _____ _____

Delivered Price Less Tire : _____ _____

Trade-in Value or Resale Value (optional) : _____ _____

Net Depreciation Value : _____ _____

**Owning costs**

Depreciation :

$$\frac{\text{Net Depreciation Value}}{\text{Depreciation Period in Hours}} = ____ = ____$$ _____

Interest, Insurance, Taxes :

Depreciation Period : _____ Years

Trade-in value rate (r) $= \frac{\text{Trade-in Value or Resale Value}}{\text{Delivered Price}} = ____ =$

Factor $= 1 - \frac{(n - 1)(1 - r)}{2n} = - ____$

Annual Rates : (Int. ____ % + Ins. ____ % + Taxes ____ % = ____ %) ÷ 100 =

Approximate Annual Use : _____ Hours

$$\frac{\text{Factor x Delivered Price x Annual Rates}}{\text{Annual Use in Hours}} = \frac{\quad x \quad x \quad}{} =$$ _____

Total Owning Costs _____ [ ]

**Operating costs** Consumption Unit cost

Fuel : _____ _____ x _____ = _____

Lubricants, Filters and Periodic Maintenance Labor

(Ask your local Komatsu distributor)

Tires

$$\frac{\text{Tire Price}}{\text{Estimated Life}} = ____ =$$ _____

Repair Cost

(Ask your local Komatsu distributor)

Special items _____

_____ _____

Operator's Hourly Wage _____ _____

Total Operating Costs : _____ [ ]

**Total hourly owning and operating costs** _____ [ ]



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The following tables show application and operating conditions in three categories.
Condition 1 is the light duty for machine, conditions 2 is the average and Condition 3 is the severe duty. It is the guide line and can be used with fuel and tire life tables to assist to select fuel and tire costs.

**Table 2-1 Application and Operating Conditions**

| | Condition 1 | Condition 2 | Condition 3 |
|---|---|---|---|
| Crawler type tractors | • Pulling scrapers, agricultural implements.<br>• Spreading work. | • Digging, dozing, ripping of soft rock, clay, most material.<br>• Scraper pushing<br>• Skidding<br>• Land clearing | • Digging, dozing, ripping of hard rock. |
| Dozer shovels | • Loading of light material from stock pile with substantial Idle time. | • Continuous loading from stock pile.<br>• Light excavation and loading. | • Bank excavation and loading.<br>• Loading of blasted material. |
| Pipelayers | • Operation on stable ground, a little incline of machine. | • Mainly pipe laying operation. | • Operation on poor ground, or on hard rock. |
| Hydraulic excavators | • Slope finishing, light material digging, and other light-duty operation. | • Mainly excavating and loading.<br>• Breaker operation. | • Excavation of hard bank. |

**Table 2-2 Application and Operating Conditions**

| | Condition 1 | Condition 2 | Condition 3 |
|---|---|---|---|
| Rigid dump trucks | • Level or favorable well-maintained haul road. | • Various operation at mine, quarry and construction site. | • Remarkable overloading<br>• Steep or rough (poor) haul roads.<br>• High load factor. (See Fuel Consumption in this section) |
| Articulated dump trucks | • Level or favorable well-maintained haul road. | • Steep, rough or muddy haul condition | • Remarkable overloading<br>• Remarkable steep, rough or muddy haul road |
| Motor graders | • Finishing and other light-duty operations. | • Mainly road maintenance, repair and construction.<br>• Snow removal | • Maintenance or repair of hard surface road, remarkable scarifying and or ripping operation. |
| Compactors | • Spreading and compaction of sandy soil. | • Spreading and compaction of various types of soil with some rocks.<br>• Break-down of comparatively small wooden items. | • Spreading and compaction of rocky material, high impact conditions.<br>• Break-down of lumber, electrical equipment, industrial products. |
| Wheel loaders | • Loading of light material from stock pile<br>• Operation with substantial truck waiting time. | • Continuous loading from stock pile<br>• Light-duty excavation and loading. | • Bank excavation and loading.<br>• Loading of blasted rock. |
| Wheel dozers | • Light surface finishing<br>• Spreading light material | • Average surface finishing<br>• Digging and dozing soft earth | • Digging and dozing hard earth |



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**Table 3 Hourly Fuel Consumption**

**Construction**

**(1) Bulldozers**

| Range / Machine / Amount | Low | | Medium | | High | |
|---|---|---|---|---|---|---|
| | U.S. Gal/hr. | ltr./hr. | U.S. Gal/hr. | ltr./hr. | U.S. Gal/hr. | ltr./hr. |
| D21A, P-8E0 | 0.4 ~ 0.85 | 1.6 ~ 3.2 | 0.85 ~ 1.3 | 3.2 ~ 4.8 | 1.3 ~ 1.7 | 4.8 ~ 6.4 |
| D31EX, PX-22 | 0.9 ~ 1.8 | 3.3 ~ 6.7 | 1.8 ~ 2.6 | 6.7 ~ 10.0 | 2.6 ~ 3.5 | 10.0 ~ 13.3 |
| D37EX, PX-22 | 1.0 ~ 2.0 | 3.8 ~ 7.6 | 2.0 ~ 3.0 | 7.6 ~ 11.4 | 3.0 ~ 4.0 | 11.4 ~ 15.1 |
| D37EX, PX-23 | 0.9 ~ 1.8 | 3.4 ~ 6.8 | 1.8 ~ 2.7 | 6.8 ~ 10.2 | 2.7 ~ 3.6 | 10.2 ~ 13.6 |
| D39EX, PX-22 | 1.2 ~ 2.4 | 4.5 ~ 8.9 | 2.4 ~ 3.5 | 8.9 ~ 13.4 | 3.5 ~ 4.7 | 13.4 ~ 17.9 |
| D39EX, PX-23 | 1.1 ~ 2.1 | 4.0 ~ 8.0 | 2.1 ~ 3.2 | 8.0 ~ 12.1 | 3.2 ~ 4.3 | 12.1 ~ 16.1 |
| D51EX, PX-22 | 1.4 ~ 2.8 | 5.2 ~ 10.5 | 2.8 ~ 4.1 | 10.5 ~ 15.7 | 4.1 ~ 5.5 | 15.7 ~ 21.0 |
| D61EX, PX-15E0 | 1.7 ~ 3.4 | 6.4 ~ 12.9 | 3.4 ~ 5.1 | 12.9 ~ 19.3 | 5.1 ~ 6.8 | 19.3 ~ 25.7 |
| D61EX, PX-23 | 1.5 ~ 3.1 | 5.8 ~ 11.6 | 3.1 ~ 4.6 | 16.9 ~ 17.4 | 4.6 ~ 6.1 | 17.4 ~ 23.2 |
| D63E-12 | 1.8 ~ 3.7 | 6.9 ~ 13.9 | 3.7 ~ 5.5 | 13.9 ~ 20.8 | 5.5 ~ 7.3 | 20.8 ~ 27.7 |
| D65E, P-12 | 2.1 ~ 4.1 | 7.8 ~ 15.6 | 4.1 ~ 6.2 | 15.6 ~ 23.4 | 6.2 ~ 8.2 | 23.4 ~ 31.1 |
| D65EX, PX, WX-16 | 1.8 ~ 3.6 | 6.9 ~ 13.8 | 3.6 ~ 5.5 | 13.8 ~ 20.7 | 5.5 ~ 7.3 | 20.7 ~ 27.6 |
| D65EX, PX, WX-17 | 1.8 ~ 3.6 | 6.9 ~ 13.8 | 3.6 ~ 5.5 | 13.8 ~ 20.7 | 5.5 ~ 7.3 | 20.7 ~ 27.6 |
| D68ESS-12 | 1.8 ~ 3.7 | 6.9 ~ 13.9 | 3.7 ~ 5.5 | 13.9 ~ 20.8 | 5.5 ~ 7.3 | 20.8 ~ 27.7 |
| D85ESS-2,2A | 2.2 ~ 4.4 | 8.4 ~ 16.8 | 4.4 ~ 6.7 | 16.8 ~ 25.2 | 6.7 ~ 8.9 | 25.2 ~ 33.6 |
| D85EX,PX-15E0 | 2.5 ~ 5.1 | 9.6 ~ 19.2 | 5.1 ~ 7.6 | 19.2 ~ 28.8 | 7.6 ~ 10.1 | 28.8 ~ 38.4 |
| D85EX,PX-15R | 2.5 ~ 4.9 | 9.4 ~ 18.7 | 4.9 ~ 7.4 | 18.7 ~ 28.1 | 7.4 ~ 9.9 | 28.1 ~ 37.5 |
| D155A-5 | 3.0 ~ 5.9 | 11.3 ~ 22.5 | 5.9 ~ 8.9 | 22.5 ~ 33.8 | 8.9 ~ 11.9 | 33.8 ~ 45.1 |
| D155A-6 | 3.3 ~ 6.6 | 12.5 ~ 25.0 | 6.6 ~ 9.9 | 25.0 ~ 37.5 | 9.9 ~ 13.2 | 37.5 ~ 50.0 |
| D155AX-6 | 3.0 ~ 6.0 | 11.4 ~ 22.8 | 6.0 ~ 9.0 | 22.8 ~ 34.2 | 9.0 ~ 12.0 | 34.2 ~ 45.6 |
| D155AX-7 | 3.0 ~ 6.0 | 11.4 ~ 22.8 | 6.0 ~ 9.0 | 22.8 ~ 34.2 | 9.0 ~ 12.0 | 34.2 ~ 45.6 |
| D275A-5 | 7.7 ~ 10.9 | 29.2 ~ 41.3 | 10.9 ~ 14.1 | 41.3 ~ 53.5 | 14.1 ~ 17.4 | 53.5 ~ 65.7 |
| D275A, AX-5E0 | 7.7 ~ 10.9 | 29.2 ~ 41.3 | 10.9 ~ 14.1 | 41.3 ~ 53.5 | 14.1 ~ 17.4 | 53.5 ~ 65.7 |
| D275A-5R | 7.6 ~ 10.8 | 28.8 ~ 40.8 | 10.8 ~ 13.9 | 40.8 ~ 52.8 | 13.9 ~ 17.1 | 52.8 ~ 64.8 |
| D375A-5 | 10.6 ~ 15.0 | 40.2 ~ 56.9 | 15.0 ~ 19.5 | 56.9 ~ 73.7 | 19.5 ~ 23.9 | 73.7 ~ 90.4 |
| D375A-5R | 9.3 ~ 13.2 | 35.3 ~ 50.0 | 13.2 ~ 17.1 | 50.0 ~ 64.7 | 17.1 ~ 21.0 | 64.7 ~ 79.4 |
| D375A-6 | 11.3 ~ 16.0 | 42.8 ~ 60.6 | 16.0 ~ 20.7 | 60.6 ~ 78.5 | 20.7 ~ 25.4 | 73.7 ~ 90.4 |
| D375A-6R | 10.4 ~ 14.7 | 39.2 ~ 55.6 | 14.7 ~ 19.0 | 55.6 ~ 71.9 | 19.0 ~ 23.3 | 71.9 ~ 88.3 |
| D475A-5E0,-5SDE0 | 15.5 ~ 21.9 | 58.5 ~ 82.9 | 21.9 ~ 28.3 | 82.9 ~ 107.3 | 28.3 ~ 34.8 | 107.3 ~ 131.7 |
| D575A-3 | 20.2 ~ 28.7 | 76.6 ~ 108.5 | 28.7 ~ 37.1 | 108.5 ~ 140.4 | 37.1 ~ 45.5 | 140.4 ~ 172.3 |
| D575A-3SD | 22.0 ~ 31.2 | 83.4 ~ 118.1 | 31.2 ~ 40.4 | 118.1 ~ 152.9 | 40.4 ~ 49.6 | 152.9 ~ 187.6 |

Low: Work where machine spend most of daily working hours idling or traveling with no load.

Medium: Average earth moving, scraper hauling, easy pushing
Object materials; Not hard to dig

High: Ripping, heavy pushing
Continuous use with engine at full throttle
Object materials; Blasted rock

**(2) Pipelayers**

| Range / Machine / Amount | Low | | Medium | | High | |
|---|---|---|---|---|---|---|
| | U.S. Gal/hr. | ltr./hr. | U.S. Gal/hr. | ltr./hr. | U.S. Gal/hr. | ltr./hr. |
| D85C-21 | 2.4 ~ 3.2 | 9 ~ 12 | 3.4 ~ 4.2 | 13 ~ 16 | 4.2 ~ 5.0 | 16 ~ 19 |
| D155C-1 | 3.4 ~ 4.5 | 13 ~ 17 | 5.3 ~ 6.3 | 20 ~ 24 | 6.9 ~ 7.9 | 26 ~ 30 |
| D355C-3 | 4.2 ~ 5.3 | 16 ~ 20 | 5.8 ~ 6.9 | 22 ~ 26 | 7.4 ~ 8.5 | 28 ~ 32 |



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**Construction**

**(3) Hydraulic excavators**

| Range | Low | | Medium | | High | |
|---|---|---|---|---|---|---|
| Amount / Machine | U.S. Gal/hr | ltr./hr | U.S. Gal/hr | ltr./hr | U.S. Gal/hr | ltr./hr |
| PC20MR-3 | 0.21 ~ 0.29 | 1.1 ~ 1.6 | 0.29 ~ 0.45 | 1.6 ~ 2.3 | 0.45 ~ 0.77 | 2.3 ~ 3.9 |
| PC27MR-3 | 0.34 ~ 0.48 | 1.3 ~ 1.8 | 0.48 ~ 0.71 | 1.8 ~ 2.7 | 0.71 ~ 1.19 | 2.7 ~ 4.5 |
| PC30MR-3 | 0.37 ~ 0.53 | 1.4 ~ 2.0 | 0.53 ~ 0.77 | 2.0 ~ 2.9 | 0.77 ~ 1.29 | 2.9 ~ 4.9 |
| PC35MR-3 | 0.37~ 0.53 | 1.4 ~ 2.0 | 0.53 ~ 0.79 | 2.0 ~ 3.0 | 0.79 ~ 1.32 | 3.0 ~ 5.0 |
| PC45MR-3 | 0.50 ~ 0.71 | 1.9 ~ 2.7 | 0.71 ~ 1.06 | 2.7 ~ 4.0 | 1.06 ~ 1.74 | 4.0 ~ 6.6 |
| PC55MR-3 | 0.50 ~ 0.71 | 1.9 ~ 2.7 | 0.71 ~ 1.06 | 2.7 ~ 4.0 | 1.06 ~ 1.74 | 4.0 ~ 6.6 |
| PC60-8 | 0.6 ~ 0.9 | 2.4 ~ 3.4 | 0.9 ~ 1.4 | 3.4 ~ 5.2 | 1.4 ~ 2.3 | 5.2 ~ 8.6 |
| PC70-8 | 0.8 ~ 1.1 | 2.9 ~ 4.1 | 1.1 ~ 1.6 | 4.1 ~ 6.1 | 1.6 ~ 2.7 | 6.1 ~ 10.2 |
| PC78US-8 | 0.6 ~ 0.9 | 2.4 ~ 3.5 | 0.9 ~ 1.4 | 3.5 ~ 5.2 | 1.4 ~ 2.3 | 5.2 ~ 8.7 |
| PC88MR-8 | 0.8 ~ 1.1 | 2.9 ~ 4.1 | 1.1 ~ 1.6 | 4.1 ~ 6.1 | 1.6 ~ 2.7 | 6.1 ~ 10.2 |
| PC110-7 | 1.1 ~ 1.6 | 4.1 ~ 5.9 | 1.6 ~ 2.3 | 5.9 ~ 8.8 | 2.3 ~ 3.9 | 8.8 ~ 14.6 |
| PC130, F-7 | 1.1 ~ 1.6 | 4.1 ~ 5.9 | 1.6 ~ 2.3 | 5.9 ~ 8.8 | 2.3 ~ 3.9 | 8.8 ~ 14.6 |
| PC130-8 | 1.1 ~1.5 | 4.1 ~ 5.8 | 1.5 ~ 2.3 | 5.8 ~ 8.7 | 2.3 ~ 3.8 | 8.7 ~ 14.5 |
| PC138US, USLC-10 | 1.0 ~ 1.4 | 3.8 ~ 5.4 | 1.4 ~ 2.1 | 5.4 ~ 8.1 | 2.1 ~ 3.6 | 8.1 ~ 13.5 |
| PC138US-8 | 1.1 ~ 1.5 | 4.1 ~ 5.8 | 1.5 ~ 2.3 | 5.8 ~ 8.7 | 2.3 ~ 3.8 | 8.7 ~ 14.5 |
| PC160LC-8 | 1.4 ~ 1.9 | 5.1 ~ 7.3 | 1.9 ~ 2.9 | 7.3 ~ 11.0 | 2.9 ~ 4.8 | 11.0 ~ 18.3 |
| PC190LC, NLC-8 | 1.4 ~ 1.9 | 5.1 ~ 7.3 | 1.9 ~ 2.9 | 7.3 ~ 11.0 | 2.9 ~ 4.8 | 11.0 ~ 18.3 |
| PC200, LC-7 | 1.6 ~ 2.4 | 6.2 ~ 8.9 | 2.4 ~ 3.5 | 8.9 ~ 13.4 | 3.5 ~ 5.9 | 13.4 ~ 22.3 |
| PC200, LC-8 | 1.6 ~ 2.2 | 5.9 ~ 8.5 | 2.2 ~ 3.4 | 8.5 ~ 12.7 | 3.4 ~ 5.6 | 12.7 ~ 21.2 |
| PC200, LC-8M0 | 1.4 ~ 2.0 | 5.4 ~ 7.7 | 2.0 ~ 3.1 | 7.7 ~ 11.6 | 3.1 ~ 5.1 | 11.6 ~ 19.3 |
| PC210, LC-10 | 1.4 ~ 2.0 | 5.3 ~ 7.6 | 2.0 ~ 3.1 | 7.6 ~ 11.4 | 3.1 ~ 5.1 | 11.4 ~ 19.0 |
| HB205, 215LC-1 | 1.3 ~ 1.9 | 5.0 ~ 7.1 | 1.9 ~ 2.8 | 7.1 ~ 10.6 | 2.8 ~ 4.7 | 10.6 ~ 17.7 |
| PC220, LC-7 | 2.0 ~ 2.9 | 7.5 ~ 10.8 | 2.9 ~ 4.3 | 10.8 ~ 16.2 | 4.3 ~ 7.1 | 16.2 ~ 26.9 |
| PC220, LC-8 | 1.9 ~ 2.7 | 7.1 ~ 10.3 | 2.7 ~ 4.1 | 10.3 ~ 15.4 | 4.1 ~ 6.8 | 15.4 ~ 25.6 |
| PC220, LC-8M0 | 1.8 ~ 2.6 | 7.0 ~ 10.0 | 2.6 ~ 4.0 | 10.0 ~ 15.0 | 4.0 ~ 6.6 | 15.0 ~ 25.0 |
| PC228US, USLC-8 | 1.7 ~ 2.4 | 6.3 ~ 9.0 | 2.4 ~ 3.6 | 9.0 ~ 13.5 | 3.6 ~ 5.9 | 13.5 ~ 22.5 |
| PC240LC, NLC-10 | 1.8 ~ 2.6 | 6.8 ~ 9.7 | 2.6 ~ 3.9 | 9.7 ~ 14.6 | 3.9 ~ 6.4 | 14.6 ~ 24.4 |
| PC270-7 | 2.1 ~ 3.1 | 8.1 ~ 11.6 | 3.1 ~ 4.6 | 11.6 ~ 17.4 | 4.6 ~ 7.7 | 17.4 ~ 29.0 |
| PC270, LC-8 | 2.1 ~ 3.1 | 8.1 ~ 11.6 | 3.1 ~ 4.6 | 11.6 ~ 17.4 | 4.6 ~ 7.7 | 17.4 ~ 28.9 |
| PC290LC-10 | 2.1 ~ 3.0 | 7.9 ~ 11.3 | 3.0 ~ 4.5 | 11.3 ~ 16.9 | 4.5 ~ 7.4 | 16.9 ~ 28.2 |
| PC300, LC-7, PC350LC-7 | 2.9 ~ 4.1 | 10.8 ~ 15.4 | 4.1 ~ 6.1 | 15.4 ~ 23.1 | 6.1 ~ 10.2 | 23.1 ~ 38.5 |
| PC300, LC-8, PC350LC-8 | 2.8 ~ 4.0 | 10.6 ~ 15.1 | 4.0 ~ 6.0 | 15.1 ~ 22.7 | 6.0 ~ 10.0 | 22.7 ~ 37.9 |
| PC360LC, NLC-10 | 2.6 ~ 3.8 | 10.0 ~ 14.3 | 3.8 ~ 5.7 | 14.3 ~ 21.5 | 5.7 ~ 9.5 | 21.5 ~ 35.8 |
| PC400, LC-7, PC450LC-7 | 5.1 ~ 6.8 | 19.3 ~ 25.7 | 6.8 ~ 8.5 | 25.7 ~ 32.1 | 8.5 ~ 12.7 | 32.1 ~ 48.2 |
| PC400, LC-8, PC450LC-8 | 5.1 ~ 6.8 | 19.3 ~ 25.7 | 6.8 ~ 8.5 | 25.7 ~ 32.1 | 8.5 ~ 12.7 | 32.1 ~ 48.2 |
| PC400, LC-8R, PC450LC-8R | 5.1 ~ 6.8 | 19.3 ~ 25.7 | 6.8 ~ 8.5 | 25.7 ~ 32.1 | 8.5 ~ 12.7 | 32.1 ~ 48.2 |
| PC490, LC, NLC-10 | 5.0 ~ 6.7 | 19.1 ~ 25.5 | 6.7 ~ 8.4 | 25.5 ~ 31.9 | 8.4 ~ 12.6 | 31.9 ~ 47.8 |
| PC550LC-8 | 5.2 ~ 6.9 | 19.5 ~ 26.0 | 6.9 ~ 8.6 | 26.0 ~ 32.5 | 8.6 ~ 12.9 | 32.5 ~ 48.7 |
| PC600, LC-7 | 5.2 ~ 8.2 | 23.4 ~ 31.2 | 8.2 ~ 10.3 | 31.2 ~ 39.0 | 10.3 ~ 16.5 | 39.0 ~ 62.4 |
| PC600, LC-8E0, PC650LC-8E0 | 6.5 ~ 8.6 | 24.5 ~ 32.7 | 8.6 ~ 10.8 | 32.7 ~ 40.8 | 10.8 ~ 17.3 | 40.8 ~ 65.3 |
| PC600, LC-8R1 | 6.5 ~ 8.6 | 24.5 ~ 32.7 | 8.6 ~ 10.8 | 32.7 ~ 40.8 | 10.8 ~ 17.3 | 40.8 ~ 65.3 |
| PC700LC-8E0, R | 6.5 ~ 8.6 | 24.5 ~ 32.7 | 8.6 ~ 10.8 | 32.7 ~ 40.8 | 10.8 ~ 17.3 | 40.8 ~ 65.3 |
| PC750,LC-7, PC800-7 | 6.7 ~ 9.0 | 25.6 ~ 34.1 | 9.0 ~ 11.3 | 34.1 ~ 42.6 | 11.3 ~ 18.0 | 42.6 ~ 68.2 |
| PC800, LC-8E0, PC850LC-8E0 | 6.7 ~ 8.9 | 25.2 ~ 33.7 | 8.9 ~ 11.1 | 33.7 ~ 42.1 | 11.1 ~ 17.8 | 42.1 ~ 67.3 |
| PC800, LC-8R, PC850LC-8R | 6.7 ~ 8.9 | 25.2 ~ 33.7 | 8.9 ~ 11.1 | 33.7 ~ 42.1 | 11.1 ~ 17.8 | 42.1 ~ 67.3 |
| PC1250, SP-7 | 9.5 ~ 12.7 | 36.0 ~ 48.0 | 12.7 ~ 15.8 | 48.0 ~ 59.9 | 15.8 ~ 25.3 | 59.9 ~ 95.9 |
| PC1250, LC, SP-8 | 9.4 ~ 12.6 | 35.7 ~ 47.6 | 12.6 ~ 15.7 | 47.6 ~ 59.6 | 15.7 ~ 25.2 | 59.6 ~ 95.3 |
| PC1250, LC, SP-8R | 9.0 ~ 12.1 | 34.2 ~ 45.7 | 12.1 ~ 15.1 | 45.7 ~ 57.1 | 15.1 ~ 24.1 | 57.1 ~ 91.3 |
| PC2000-8 | 12.6 ~ 16.8 | 47.7 ~ 63.6 | 16.8 ~ 21.0 | 63.6 ~ 79.5 | 21.0 ~ 33.6 | 79.5 ~ 127.1 |

Low: Intermittent work with job efficiency less than 65 %
Material; Easy to excavate

Medium: Digging and loading 65 - 80 % of machine operation hours
Material; Not easy to excavate

High: Work with job effficiency more than 80 %
Direct excavation needed sometimes.



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| | Fuel consumption | | | ltr./hr (U.S. Gal/hr) |
|---|---|---|---|---|
| Model | Easy | Average | Rather difficult | Difficult |
| PC3000-6 | 161 (42.5) | 172 (45.4) | 184 (48.6) | 208 (55.0) |
| PC4000-6 | 228 (60.2) | 244 (64.5) | 260 (68.7) | 293 (77.4) |
| PC5000-6 | 306 (80.8) | 328 (86.7) | 350 (92.5) | 393 (103.8) |
| PC8000-6 | 515 (136.1) | 552 (145.8) | 589 (155.6) | 662 (174.9) |

**Construction**

**(4) Off-highway dump trucks**

| Range | Low | | Medium | | High | |
|---|---|---|---|---|---|---|
| Amount / Machine | U.S. Gal/hr | ltr./hr | U.S. Gal/hr | ltr./hr | U.S. Gal/hr | ltr./hr |
| HD255-5 | 3.4 ~ 5.0 | 12.7 ~ 19.0 | 5.0 ~ 6.7 | 19.0 ~ 25.4 | 6.7 ~ 9.2 | 25.4 ~ 34.9 |
| HD325-6 | 5.0 ~ 7.5 | 18.8 ~ 28.3 | 7.5 ~ 10.0 | 28.3 ~ 37.7 | 10.0 ~ 13.7 | 37.7 ~ 51.8 |
| HD325-7 | 4.8 ~ 7.2 | 18.0 ~ 27.1 | 7.2 ~ 9.9 | 27.1 ~ 37.4 | 9.9 ~ 13.6 | 37.4 ~ 51.5 |
| HD325-7R | 4.7 ~ 7.1 | 17.9 ~ 26.8 | 7.1 ~ 9.8 | 26.8 ~ 37.2 | 9.8 ~ 13.6 | 37.2 ~ 51.4 |
| HD405-6 | 5.0 ~ 7.5 | 18.8 ~ 28.3 | 7.5 ~ 10.0 | 28.3 ~ 37.7 | 10.0 ~ 13.7 | 37.7 ~ 51.8 |
| HD405-7 | 4.8 ~ 7.2 | 18.0 ~ 27.1 | 7.2 ~ 9.9 | 27.1 ~ 37.4 | 9.9 ~ 13.6 | 37.4 ~ 51.5 |
| HD405-7R | 4.7 ~ 7.1 | 17.9 ~ 26.8 | 7.1 ~ 9.8 | 26.8 ~ 37.2 | 9.8 ~ 13.6 | 37.2 ~ 51.4 |
| HD465-7 | 7.6 ~ 11.4 | 28.7 ~ 43.0 | 11.4 ~ 15.2 | 43.0 ~ 57.4 | 15.2 ~ 20.8 | 57.4 ~ 78.9 |
| HD465-7E0 | 7.0 ~ 10.5 | 26.4 ~ 39.8 | 10.5 ~ 14.2 | 39.8 ~ 53.7 | 14.2 ~ 20.6 | 53.7 ~ 78.1 |
| HD465-7R | 6.9 ~ 10.4 | 26.3 ~ 39.5 | 10.4 ~ 14.1 | 39.5 ~ 53.5 | 14.1 ~ 20.6 | 53.5 ~ 78.1 |
| HD605-7E0 | 7.0 ~ 10.5 | 26.4 ~ 39.8 | 10.5 ~ 14.2 | 39.8 ~ 53.7 | 14.2 ~ 20.6 | 53.7 ~ 78.1 |
| HD465-7R | 6.9 ~ 10.4 | 26.3 ~ 39.5 | 10.4 ~ 14.1 | 39.5 ~ 53.5 | 14.1 ~ 20.6 | 53.5 ~ 78.1 |
| HD785-7 | 10.2 ~ 15.2 | 38.5 ~ 57.7 | 15.2 ~ 20.4 | 57.7 ~ 77.3 | 20.4 ~ 28.6 | 77.3 ~ 108.2 |
| HD1500-7 (SDA12V160 Tier 1) | 14.8 ~ 18.6 | 56.2 ~ 70.3 | 18.6 ~ 26.0 | 70.3 ~ 98.4 | 26.0 ~ 35.7 | 98.4 ~ 135.0 |
| HD1500-7* (SDA16V159E Tier 2) | 15.6 ~ 19.5 | 59.0 ~ 73.7 | 19.5 ~ 27.3 | 73.7 ~ 103.2 | 27.3 ~ 37.4 | 103.2 ~ 141.5 |
| 730E | 19.1 ~ 23.8 | 72.2 ~ 90.2 | 23.8 ~ 33.4 | 90.2 ~ 126.3 | 33.4 ~ 45.8 | 126.3 ~ 173.2 |
| 830E-AC (SDA16V160 Tier 1) | 24.8 ~ 31.0 | 93.9 ~ 117.4 | 31.0 ~ 43.4 | 117.4 ~ 164.4 | 43.4 ~ 59.6 | 164.4 ~ 225.4 |
| 830E-AC (SDA16V160 Tier 2) | 25.8 ~ 32.2 | 97.6 ~ 122.0 | 32.2 ~ 45.2 | 122.0 ~ 170.9 | 45.2 ~ 61.9 | 170.9 ~ 234.3 |
| 860E-1K (SSDA16V160 Tier 1) | 26.8 ~ 33.5 | 101.4 ~ 126.8 | 33.5 ~ 46.9 | 126.8 ~ 177.5 | 46.9 ~ 64.3 | 177.5 ~ 243.5 |
| 860E-1K (SSDA16V160 Tier 2) | 27.2 ~ 33.9 | 102.8 ~ 128.5 | 33.9 ~ 47.5 | 128.5 ~ 179.9 | 47.5 ~ 65.2 | 179.9 ~ 246.7 |
| 930E-4 (SSDA16V160 Tier 1) | 26.8 ~ 33.5 | 101.4 ~ 126.8 | 33.5 ~ 46.9 | 126.8 ~ 177.5 | 46.9 ~ 64.3 | 177.5 ~ 243.5 |
| 930E-4 (SSDA16V160 Tier 2) | 27.2 ~ 33.9 | 102.8 ~ 128.5 | 33.9 ~ 47.5 | 128.5 ~ 179.9 | 47.5 ~ 65.2 | 179.9 ~ 246.7 |
| 930E-4SE | 35.2 ~ 44.3 | 134.1 ~ 167.6 | 44.3 ~ 62.0 | 167.6 ~ 234.7 | 62.0 ~ 85.0 | 234.7 ~ 321.8 |
| 960E-2 (SSDA18V170 Tier 1) | 33.8 ~ 42.3 | 128.0 ~ 160.0 | 42.3 ~ 59.2 | 160.0 ~ 224.1 | 59.2 ~ 81.2 | 224.1 ~ 307.3 |
| 960E-2 (SSDA18V170 Tier 2) | 35.2 ~ 44.3 | 134.1 ~ 167.6 | 44.3 ~ 62.0 | 167.6 ~ 234.7 | 62.0 ~ 85.0 | 234.7 ~ 321.8 |
| 960E-2K (SSDA18V170 Tier 1) | 33.8 ~ 42.3 | 128.0 ~ 160.0 | 42.3 ~ 59.2 | 160.0 ~ 224.1 | 59.2 ~ 81.2 | 224.1 ~ 307.3 |
| 960E-2K (SSDA18V170 Tier 2) | 35.2 ~ 44.3 | 134.1 ~ 167.6 | 44.3 ~ 62.0 | 167.6 ~ 234.7 | 62.0 ~ 85.0 | 234.7 ~ 321.8 |

CONDITIONS:

Low : High ratio of loading time to cycle time, good haul road conditions
Low truck job efficiency

Medium : Medium raio of traveling time to cycle time, medium load factor of truck, and medium haul road conditions and grade
Total resistance; Over 2 % through 10 %

High : High raio of traveling time to cycle time, tough load factor of truck, severe haul road conditions and grade
Total resistance; 10 % and above

* : USA source


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**Construction**

**(5) Articulated dump trucks**

| Range | Low | | Medium | | High | |
|---|---|---|---|---|---|---|
| Amount / Machine | U.S. Gal/hr | ltr./hr | U.S. Gal/hr | ltr./hr | U.S. Gal/hr | ltr./hr |
| HM300-1 | 3.4 ~ 5.1 | 12.8 ~ 19.3 | 5.1 ~ 6.8 | 19.3 ~ 25.7 | 6.8 ~ 9.3 | 25.7 ~ 35.3 |
| HM300-2 | 3.5 ~ 5.2 | 13.1 ~ 19.7 | 5.2 ~ 6.9 | 19.7 ~ 26.2 | 6.9 ~ 9.5 | 26.2 ~ 36.1 |
| HM300-2R | 3.5 ~ 5.2 | 13.1 ~ 19.7 | 5.2 ~ 6.9 | 19.7 ~ 26.2 | 6.9 ~ 9.5 | 26.2 ~ 36.1 |
| HM300-3 | 2.8 ~ 4.4 | 10.6 ~ 16.8 | 4.4 ~ 5.6 | 16.8 ~ 21.3 | 5.6 ~ 8.9 | 21.3 ~ 33.7 |
| HM350-1 | 4.1 ~ 6.1 | 15.4 ~ 23.1 | 6.1 ~ 8.1 | 23.1 ~ 30.8 | 8.1 ~ 11.2 | 30.8 ~ 42.3 |
| HM350-2 | 4.4 ~ 6.6 | 16.5 ~ 24.8 | 6.6 ~ 8.7 | 24.8 ~ 33.1 | 8.7 ~ 12.0 | 33.1 ~ 45.5 |
| HM350-2R | 4.4 ~ 6.6 | 16.5 ~ 24.8 | 6.6 ~ 8.7 | 24.8 ~ 33.1 | 8.7 ~ 12.0 | 33.1 ~ 45.5 |
| HM400-1 | 4.5 ~ 6.7 | 17.0 ~ 25.5 | 6.7 ~ 9.0 | 25.5 ~ 34.0 | 9.0 ~ 12.4 | 34.0 ~ 46.8 |
| HM400-2 | 4.6 ~ 7.0 | 17.6 ~ 26.4 | 7.0 ~ 9.3 | 26.4 ~ 35.2 | 9.3 ~ 12.8 | 35.2 ~ 48.3 |
| HM400-2R | 4.6 ~ 7.0 | 17.6 ~ 26.4 | 7.0 ~ 9.3 | 26.4 ~ 35.2 | 9.3 ~ 12.8 | 35.2 ~ 48.3 |
| HM400-3 | 4.4 ~ 5.5 | 16.7 ~ 21.0 | 5.5 ~ 7.9 | 21.0 ~ 29.9 | 7.9 ~ 11.8 | 29.9 ~ 44.7 |

CONDITIONS:

Low : Long loading time, downhill travel with load, travel on well maintained road

Medium : Normal loading time , uphill travel with load (normal grade), travel on well maintained road

High : Short loading time, uphill travel with load (steep grade), travel on normally maintained road


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**Construction**

**(6) Wheel loaders**

| Range / Amount / Machine | Low | | Medium | | High | |
|---|---|---|---|---|---|---|
| | U.S. Gal/hr | ltr./hr | U.S. Gal/hr | ltr./hr | U.S. Gal/hr | ltr./hr |
| WA150-5 | 1.2 ~ 1.7 | 4.5 ~ 6.3 | 1.7 ~ 2.1 | 6.3 ~ 7.9 | 2.1 ~ 2.9 | 7.9 ~ 11.0 |
| WA150, PZ-6 | 1.2 ~ 1.7 | 4.7 ~ 6.5 | 1.7 ~ 2.2 | 6.5 ~ 8.2 | 2.2 ~3.0 | 8.2 ~ 11.4 |
| WA200-5 | 1.6 ~ 2.2 | 5.9 ~ 8.3 | 2.2 ~ 2.7 | 8.3 ~ 10.4 | 2.7 ~ 3.8 | 10.4 ~ 14.5 |
| WA200,PZ-6 | 1.6 ~ 2.2 | 5.9 ~ 8.3 | 2.2 ~ 2.7 | 8.3 ~ 10.4 | 2.7 ~ 3.8 | 10.4 ~ 14.4 |
| WA250-5 | 1.8 ~ 2.6 | 7.0 ~ 9.8 | 2.6 ~ 3.2 | 9.8 ~ 12.3 | 3.2 ~ 4.3 | 12.3 ~ 16.2 |
| WA250, PZ-6 | 1.8 ~ 2.5 | 6.9 ~ 9.6 | 2.5 ~ 3.2 | 9.6 ~ 12.1 | 3.2 ~ 4.2 | 12.1 ~ 15.9 |
| WA320-3 (Custom) | 2.6 ~ 3.6 | 9.8 ~ 13.7 | 3.6 ~ 4.5 | 13.7 ~ 17.2 | 4.5 ~ 6.0 | 17.2 ~ 22.7 |
| WA320-5 | 2.2 ~ 3.0 | 8.2 ~ 11.5 | 3.0 ~ 3.8 | 11.5 ~ 14.5 | 3.8 ~ 5.0 | 14.5 ~ 19.1 |
| WA320, PZ-6 | 2.2 ~ 3.0 | 8.2 ~ 11.5 | 3.0 ~ 3.8 | 11.5 ~ 14.4 | 3.8 ~ 5.0 | 14.4 ~ 19.0 |
| WA380-3 | 3.0 ~ 4.2 | 11.4 ~ 16.0 | 4.2 ~ 5.3 | 16.0 ~ 20.1 | 5.3 ~ 7.0 | 20.1 ~ 26.5 |
| WA380-5 | 2.9 ~ 4.0 | 10.8 ~ 15.2 | 4.0 ~ 5.0 | 15.2 ~ 19.1 | 5.0 ~ 6.6 | 19.1 ~ 25.1 |
| WA380,Z-6 | 2.4 ~ 3.4 | 9.1 ~ 12.8 | 3.4 ~ 4.3 | 12.8 ~ 16.1 | 4.3 ~ 5.8 | 16.1 ~ 22.1 |
| WA380-7 | 2.1 ~ 2.9 | 7.9 ~ 11.1 | 2.9 ~ 3.7 | 11.1 ~ 14.0 | 3.7 ~ 5.1 | 14.0 ~ 19.2 |
| WA430-5 | 3.3 ~ 4.6 | 12.5 ~ 17.6 | 4.6 ~ 5.8 | 17.6 ~ 22.1 | 5.8 ~ 7.7 | 22.1 ~ 29.1 |
| WA430-6 | 2.8 ~ 4.1 | 10.7 ~ 15.4 | 4.1 ~ 5.1 | 15.4 ~ 19.2 | 5.1 ~ 6.8 | 19.2 ~ 25.8 |
| WA470-3 | 4.0 ~ 5.5 | 15.0 ~ 21.0 | 5.5 ~ 6.9 | 21.0 ~ 26.3 | 6.9 ~ 9.2 | 26.3 ~ 34.7 |
| WA470-5 | 3.5 ~ 4.8 | 13.1 ~ 18.3 | 4.8 ~ 6.1 | 18.3 ~ 23.0 | 6.1 ~ 8.0 | 23.0 ~ 30.3 |
| WA470-6* | 2.9 ~ 4.1 | 11.0 ~ 15.5 | 4.1 ~ 5.1 | 15.5 ~ 19.3 | 5.1 ~ 7.1 | 19.3 ~ 27.0 |
| WA470-7 | 2.7 ~ 3.8 | 10.2 ~ 14.4 | 3.8 ~ 4.7 | 14.4 ~ 17.9 | 4.7 ~ 6.6 | 17.9 ~ 25.1 |
| WA480-6* | 3.1 ~ 4.3 | 11.6 ~ 16.2 | 4.3 ~ 5.4 | 16.2 ~ 20.4 | 5.4 ~ 7.8 | 20.4 ~ 29.6 |
| WA500-3 | 5.5 ~ 7.7 | 20.9 ~ 29.3 | 7.7 ~ 9.8 | 29.3 ~ 37.0 | 9.8 ~ 12.9 | 37.0 ~ 48.8 |
| WA500-6 | 4.9 ~ 6.9 | 18.7 ~ 26.2 | 6.9 ~ 8.7 | 26.2 ~ 33.1 | 8.7 ~ 12.0 | 33.1 ~ 45.6 |
| WA500-6R | 4.9 ~ 6.9 | 18.7 ~ 26.2 | 6.9 ~ 8.7 | 26.2 ~ 33.1 | 8.7 ~ 12.0 | 33.1 ~ 45.6 |
| WA500-7 | 4.6 ~ 6.4 | 17.4 ~ 24.3 | 6.4 ~ 8.1 | 24.3 ~ 30.7 | 8.1 ~ 11.3 | 30.7 ~ 42.6 |
| WA600-3 | 8.2 ~ 11.5 | 31.1 ~ 43.5 | 11.5 ~ 14.5 | 43.5 ~ 54.9 | 14.5 ~ 19.2 | 54.9 ~ 72.5 |
| WA600-6 | 7.9 ~ 10.6 | 30.0 ~ 40.2 | 10.6 ~ 12.7 | 40.2 ~ 51.9 | 13.7 ~ 18.9 | 51.9 ~ 71.6 |
| WA600-6R | 7.9 ~ 10.6 | 30.0 ~ 40.2 | 10.6 ~ 12.7 | 40.2 ~ 51.9 | 13.7 ~ 18.9 | 51.9 ~ 71.6 |
| WA700-3 | 10.3 ~ 14.5 | 39.1 ~ 54.8 | 14.5 ~ 18.3 | 54.8 ~ 69.1 | 18.3 ~ 24.1 | 69.1 ~ 91.3 |
| WA800-3 | 11.8 ~ 16.5 | 44.6 ~ 62.5 | 16.5 ~ 20.8 | 62.5 ~ 78.9 | 20.8 ~ 31.4 | 78.9 ~ 119.0 |
| WA800-3E0 | 11.8 ~ 16.5 | 44.6 ~ 62.5 | 16.5 ~ 20.8 | 62.5 ~ 78.9 | 20.8 ~ 31.4 | 78.9 ~ 119.0 |
| WA900-3 | 12.3 ~ 17.2 | 46.5 ~ 65.1 | 17.2 ~ 21.7 | 65.1 ~ 82.1 | 21.7 ~ 28.7 | 82.1 ~ 124.0 |
| WA900-3E0 | 12.5 ~ 17.5 | 47.3 ~ 66.2 | 17.5 ~ 22.1 | 66.2 ~ 83.5 | 22.1 ~ 33.3 | 83.5 ~ 126.1 |
| WA1200-6 | 26.9 ~ 37.7 | 102.0 ~ 142.7 | 37.7 ~ 47.6 | 142.7 ~ 180.1 | 47.6 ~ 59.6 | 180.1 ~ 225.4 |

CONDITIONS:

Low : Light utility, work with considerable amount of idling

Medium : Non-stop operation over a long distance
Operation according to a basic loader cycle with frequent idling

High : Non-stop operation according to a basic loader cycle

* : With large-capacity torque convertor

**(7) Wheel dozers**

| Range / Amount / Machine | Low | | Medium | | High | |
|---|---|---|---|---|---|---|
| | U.S. Gal/hr | ltr./hr | U.S. Gal/hr | ltr./hr | U.S. Gal/hr | ltr./hr |
| WD600-3 | 8.6 ~ 12.0 | 32.4 ~ 45.3 | 12.0 ~ 15.1 | 45.3 ~ 57.2 | 15.1 ~ 19.9 | 57.2 ~ 75.5 |
| WD600-6 | 7.8 ~ 10.9 | 29.4 ~ 41.1 | 10.9 ~ 13.7 | 41.1 ~ 51.9 | 13.7 ~ 18.1 | 51.9 ~ 68.5 |
| WD900-3 | 13.5 ~ 18.9 | 51.2 ~ 71.7 | 18.9 ~ 23.9 | 71.7 ~ 90.5 | 23.9 ~ 31.6 | 90.5 ~ 119.5 |

CONDITIONS:

Low : Work where machine spend most of operation hours idling or traveling with no load

Medium : Average earth moving, scraper hauling, easy pushing

High : Heavy pushing
Continuous operation


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**Construction**

**(8) Motor graders**

| Range | Low | | Medium | | High | |
|---|---|---|---|---|---|---|
| Amount / Machine | U.S. Gal/hr | ltr./hr | U.S. Gal/hr | ltr./hr | U.S. Gal/hr | ltr./hr |
| GD511A-1 | 2.0 ~ 3.2 | 7.5 ~ 12.0 | 3.2 ~ 4.4 | 12.0 ~ 16.5 | 4.4 ~ 5.5 | 16.5 ~ 21.0 |
| GD555-3 | 2.3 ~ 3.7 | 8.8 ~ 14.0 | 3.7 ~ 5.1 | 14.0 ~ 19.3 | 5.1 ~ 6.5 | 19.3 ~ 24.6 |
| GD555-5 | 2.7 ~ 4.3 | 10.1 ~ 16.2 | 4.3 ~ 5.9 | 16.2 ~ 22.3 | 5.9 ~ 7.5 | 22.3 ~ 28.4 |
| GD655-5 | 3.0 ~ 4.8 | 11.5 ~ 18.3 | 4.8 ~ 6.7 | 18.3 ~ 25.2 | 6.7 ~ 8.5 | 25.2 ~ 32.1 |
| GD663A-2 | 2.1 ~ 3.4 | 8.0 ~ 12.8 | 3.4 ~ 4.6 | 12.8 ~ 17.6 | 4.6 ~ 5.9 | 17.6 ~ 22.4 |
| GD675-5 | 3.0 ~ 4.8 | 11.5 ~ 18.3 | 4.8 ~ 6.7 | 18.3 ~ 25.2 | 6.7 ~ 8.5 | 25.2 ~ 32.1 |
| GD705A-4 | 2.5 ~ 4.0 | 9.5 ~ 15.1 | 4.0 ~ 5.5 | 15.1 ~ 20.8 | 5.5 ~ 7.0 | 20.8 ~ 26.5 |
| GD755-5R | 3.7 ~ 5.9 | 14.0 ~ 22.5 | 5.9 ~ 8.2 | 22.5 ~ 30.9 | 8.2 ~ 10.4 | 30.9 ~ 39.3 |
| GD825A-2 | 3.7 ~ 6.0 | 14.1 ~ 22.6 | 6.0 ~ 8.2 | 22.6 ~ 31.0 | 8.2 ~ 10.4 | 31.0 ~ 39.5 |

CONDITIONS:

Low: Minor road maintenance, leveling, traveling with no load

Medium: Average road maintenance, scarifying, light snow removal

High: Heavy pushing, continuous operation


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**Table 3 Hourly Fuel Consumption**

**Mining**

**(1) Bulldozers**

| Range | Low | | Medium | | High | |
|---|---|---|---|---|---|---|
| Amount / Machine | U.S. Gal/hr | ltr./hr | U.S. Gal/hr | ltr./hr | U.S. Gal/hr | ltr./hr |
| D275A-5 | 9.3 ~ 12.8 | 35.3 ~ 48.5 | 12.8 ~ 17.5 | 48.5 ~ 66.1 | 17.5 ~ 21.0 | 66.1 ~ 79.4 |
| D275AX-5E0 | 9.5 ~ 12.8 | 35.8 ~ 48.3 | 12.8 ~ 17.5 | 48.3 ~ 66.1 | 17.5 ~ 20.8 | 66.2 ~ 78.7 |
| D275A-5R | 9.3 ~ 12.7 | 35.3 ~ 48.2 | 12.7 ~ 17.5 | 48.2 ~ 66.2 | 17.5 ~ 21.0 | 66.2 ~ 79.4 |
| D375A-5 | 12.9 ~ 17.5 | 48.7 ~ 66.2 | 17.5 ~ 24.1 | 66.2 ~ 91.2 | 24.1 ~ 29.0 | 91.2 ~ 109.9 |
| D375A-5R | 12.2 ~ 16.7 | 46.3 ~ 63.2 | 16.7 ~ 23.0 | 63.2 ~ 86.9 | 23.0 ~ 27.7 | 86.9 ~ 105.0 |
| D375A-6 | 13.1 ~ 18.0 | 49.6 ~ 68.2 | 18.0 ~ 24.6 | 68.2 ~ 93.0 | 24.6 ~ 29.5 | 93.0 ~ 111.6 |
| D375A-6R | 12.6 ~ 17.4 | 47.8 ~ 65.7 | 17.4 ~ 23.7 | 65.7 ~ 89.6 | 23.7 ~ 28.4 | 89.6 ~ 107.5 |
| D475A-5E0, ASD-5E0 | 18.0 ~ 24.7 | 68.0 ~ 93.5 | 24.7 ~ 33.7 | 93.5 ~ 127.5 | 33.7 ~ 40.4 | 127.5 ~ 153.0 |
| D575A-3 | 24.2 ~ 33.3 | 91.6 ~ 125.9 | 33.3 ~ 45.4 | 125.9 ~ 171.7 | 45.4 ~ 54.4 | 171.7 ~ 206.0 |
| D575A-3SD | 26.2 ~ 36.0 | 99.1 ~ 136.3 | 36.0 ~ 49.1 | 136.3 ~ 185.8 | 49.1 ~ 58.9 | 185.8 ~ 223.0 |

CONDITIONS:

Low : Machine movement is mainly consisting of idle running or traveling unloaded

Medium : Average earth moving, scraper hauling or easy pushing operation
Ripping ratio more than 50%

High : Ripping, heavy pushing, and operation continued without rest at full horspower

**(2) Hydraulic excavators**

| Range | Low | | Medium | | High | |
|---|---|---|---|---|---|---|
| Amount / Machine | U.S. Gal/hr | ltr./hr | U.S. Gal/hr | ltr./hr | U.S. Gal/hr | ltr./hr |
| PC1250, LC, SP-7 | 9.9 ~ 14.9 | 37.6 ~ 56.3 | 14.9 ~ 19.8 | 56.3 ~ 75.1 | 19.8 ~ 26.5 | 75.1 ~ 100.2 |
| PC1250, LC, SP-8 | 10.1 ~ 14.7 | 38.1 ~ 55.8 | 14.7 ~ 19.8 | 55.8 ~ 74.9 | 19.8 ~ 26.4 | 74.9 ~ 100.1 |
| PC1250, SP-8R | 9.5 ~ 13.8 | 35.8 ~ 52.4 | 13.8 ~ 18.5 | 52.4 ~ 70.2 | 18.5 ~ 24.8 | 70.2 ~ 93.9 |
| PC2000-8 | 12.5 ~ 18.7 | 47.2 ~ 70.8 | 18.7 ~ 29.4 | 70.8 ~ 94.4 | 29.4 ~ 33.2 | 94.4 ~ 125.8 |

CONDITIONS:

Low : Digging account for less than 50% in daily working hours
Loading of low density materials
Unnecessary for big digging force

Medium : Digging account for 60-85% in daily working hours
After blasting or after dozing
Small rock suitable for the bucket size

High : Digging account for more than 85% in daily work hours
Direct digging
Heavy duty digging after blasting

| | Fuel consumption | | | ltr./hr (U.S. Gal/hr) |
|---|---|---|---|---|
| Model | Easy | Average | Rather difficult | Difficult |
| PC3000-6 | 161 (42.5) | 172 (45.4) | 184 (48.6) | 208 (55.0) |
| PC4000-6 | 228 (60.2) | 244 (64.5) | 260 (68.7) | 293 (77.4) |
| PC5000-6 | 306 (80.8) | 328 (86.7) | 350 (92.5) | 393 (103.8) |
| PC8000-6 | 515 (136.1) | 552 (145.8) | 589 (155.6) | 662 (174.9) |


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**Mining**

**(3) Off-highway dump trucks**

| Range | Low | | Medium | | High | |
|---|---|---|---|---|---|---|
| Amount / Machine | U.S. Gal/hr | ltr./hr | U.S. Gal/hr | ltr./hr | U.S. Gal/hr | ltr./hr |
| HD785-7 | 9.9 ~ 17.3 | 37.3 ~ 65.5 | 17.3 ~ 22.1 | 65.5 ~ 83.6 | 22.1 ~ 26.8 | 83.6 ~ 101.6 |
| HD1500-7 (SDA12V160 Tier 1) | 14.8 ~ 18.6 | 56.2 ~ 70.3 | 18.6 ~ 26.0 | 70.3 ~ 98.4 | 26.0 ~ 35.7 | 98.4 ~ 135.0 |
| HD1500-7* (SDA16V159E Tier 2) | 15.6 ~ 19.5 | 59.0 ~ 73.7 | 19.5 ~ 27.3 | 73.7 ~ 103.2 | 27.3 ~ 37.4 | 103.2 ~ 141.5 |
| 730E | 19.1 ~ 23.8 | 72.2 ~ 90.2 | 23.8 ~ 33.4 | 90.2 ~ 126.3 | 33.4 ~ 45.8 | 126.3 ~ 173.2 |
| 830E-AC (SDA16V160 Tier 1) | 24.8 ~ 31.0 | 93.9 ~ 117.4 | 31.0 ~ 43.4 | 117.4 ~ 164.4 | 43.4 ~ 59.6 | 164.4 ~ 225.4 |
| 830E-AC (SDA16V160 Tier 2) | 25.8 ~ 32.2 | 97.6 ~ 122.0 | 32.2 ~ 45.2 | 122.0 ~ 170.9 | 45.2 ~ 61.9 | 170.9 ~ 234.3 |
| 860E-1K (SSDA16V160 Tier 1) | 26.8 ~ 33.5 | 101.4 ~ 126.8 | 33.5 ~ 46.9 | 126.8 ~ 177.5 | 46.9 ~ 64.3 | 177.5 ~ 243.5 |
| 860E-1K (SSDA16V160 Tier 2) | 27.2 ~ 33.9 | 102.8 ~ 128.5 | 33.9 ~ 47.5 | 128.5 ~ 179.9 | 47.5 ~ 65.2 | 179.9 ~ 246.7 |
| 930E-4 (SSDA16V160 Tier 1) | 26.8 ~ 33.5 | 101.4 ~ 126.8 | 33.5 ~ 46.9 | 126.8 ~ 177.5 | 46.9 ~ 64.3 | 177.5 ~ 243.5 |
| 930E-4 (SSDA16V160 Tier 2) | 27.2 ~ 33.9 | 102.8 ~ 128.5 | 33.9 ~ 47.5 | 128.5 ~ 179.9 | 47.5 ~ 65.2 | 179.9 ~ 246.7 |
| 930E-4SE | 35.2 ~ 44.3 | 134.1 ~ 167.6 | 44.3 ~ 62.0 | 167.6 ~ 234.7 | 62.0 ~ 85.0 | 234.7 ~ 321.8 |
| 960E-2 (SSDA18V170 Tier 1) | 33.8 ~ 42.3 | 128.0 ~ 160.0 | 42.3 ~ 59.2 | 160.0 ~ 224.1 | 59.2 ~ 81.2 | 224.1 ~ 307.3 |
| 960E-2 (SSDA18V170 Tier 2) | 35.2 ~ 44.3 | 134.1 ~ 167.6 | 44.3 ~ 62.0 | 167.6 ~ 234.7 | 62.0 ~ 85.0 | 234.7 ~ 321.8 |
| 960E-2K (SSDA18V170 Tier 1) | 33.8 ~ 42.3 | 128.0 ~ 160.0 | 42.3 ~ 59.2 | 160.0 ~ 224.1 | 59.2 ~ 81.2 | 224.1 ~ 307.3 |
| 960E-2K (SSDA18V170 Tier 2) | 35.2 ~ 44.3 | 134.1 ~ 167.6 | 44.3 ~ 62.0 | 167.6 ~ 234.7 | 62.0 ~ 85.0 | 234.7 ~ 321.8 |

CONDITIONS:

Low : Variable travel times with the majority of the travel time attributed to segments with total resistance less than 4%
Abnormal operating efficiency with significant periods of wait time or delays

Medium : Average travel times with a balance between travel time along routes in excess of 10% total resistance and routes less than 4% in total resistance
Normal operating efficiency with occasional periods of wait time or delays

High : Long travel times with the majority of the travel time attributed to road segments in excess of 10% total resistance
Highly efficient applications with minimum delay or wait periods

* : USA source


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**Mining**

**(4) Wheel loaders**

| Range | Low | | Medium | | High | |
|---|---|---|---|---|---|---|
| Amount / Machine | U.S. Gal/hr | ltr./hr | U.S. Gal/hr | ltr./hr | U.S. Gal/hr | ltr./hr |
| WA800-3 | 12.4 ~ 17.4 | 47.1 ~ 66.0 | 17.4 ~ 22.0 | 66.0 ~ 83.2 | 22.0 ~ 33.2 | 83.2 ~ 125.7 |
| WA800-3E0 | 12.2 ~ 17.0 | 46.3 ~ 64.4 | 17.0 ~ 21.6 | 64.4 ~ 81.7 | 21.6 ~ 32.8 | 81.7 ~ 124.1 |
| WA900-3 | 12.9 ~ 18.1 | 48.9 ~ 68.5 | 18.1 ~ 22.8 | 68.5 ~ 86.5 | 22.8 ~ 34.5 | 86.5 ~ 130.5 |
| WA900-3E0 | 12.5 ~ 17.4 | 47.4 ~ 65.9 | 17.4 ~ 22.3 | 65.9 ~ 84.4 | 22.3 ~ 33.9 | 84.4 ~ 128.3 |
| WA1200-6 | 26.9 ~ 37.7 | 102.0 ~ 142.7 | 37.7 ~ 47.6 | 142.7 ~ 180.1 | 47.6 ~ 59.6 | 180.1 ~ 225.4 |

CONDITIONS:

Low : Low production aggregate truck loading, large amount of idling time

Medium : Loading to stock-pile dump trucks
Short time waiting hours for dump trucks

High : Continuous loading
Short time waiting hours for dump trucks
Digging hard bank
Takes a lot of time for digging
Load and carry operation with high productivity

**(5) Wheel dozers**

| Range | Low | | Medium | | High | |
|---|---|---|---|---|---|---|
| Amount / Machine | U.S. Gal/hr | ltr./hr | U.S. Gal/hr | ltr./hr | U.S. Gal/hr | ltr./hr |
| WD600-3 | 9.2 ~ 12.9 | 34.8 ~ 48.8 | 12.9 ~ 16.2 | 48.8 ~ 61.5 | 16.2 ~ 21.5 | 61.5 ~ 81.3 |
| WD600-6 | 8.7 ~ 12.1 | 32.8 ~ 45.9 | 12.1 ~ 15.3 | 45.9 ~ 58.0 | 15.3 ~ 20.2 | 58.0 ~ 76.6 |
| WD900-3 | 12.5 ~ 17.5 | 47.2 ~ 66.1 | 17.5 ~ 22.0 | 66.1 ~ 83.4 | 22.0 ~ 29.1 | 83.4 ~ 110.1 |

CONDITIONS:

Low : Cleaning a surface of a hauling road, ground around large shovels and hoppers (collecting fallen stones).

Medium : Stock pilling
Dozing of crushing rock

High : Reclamation
Dozing after digging
Pusher using scraper

**(6) Motor graders**

| Range | Low | | Medium | | High | |
|---|---|---|---|---|---|---|
| Amount / Machine | U.S. Gal/hr | ltr./hr | U.S. Gal/hr | ltr./hr | U.S. Gal/hr | ltr./hr |
| GD825A-2 | 4.0 ~ 6.5 | 15.3 ~ 24.5 | 6.5 ~ 8.9 | 24.5 ~ 33.7 | 8.9 ~ 11.3 | 33.7 ~ 42.9 |

CONDITIONS:

Low : Traveling Finishing
Grading of light materials

Medium : Light duty road maintenance
Scarifing

High : Ripping
Heavy duty road maintenance


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**Table 4 Approx. Hourly Lubricants Consumption ***
**( * Oil replacement (liter) ÷ Oil change interval (hour))**

### (1) Bulldozers

| Application | *(1) Crank case | | *(2) Transmission | | Final Drives | | Hydraulic Control | | Grease | |
|---|---|---|---|---|---|---|---|---|---|---|
| Unit Q'TY<br>Machine Model | US Gal | Liter | US Gal | Liter | US Gal | Liter | US Gal | Liter | lb | kg |
| D31EX, PX-22 | 0.006 | 0.022 | — | — | 0.002 | 0.007 | 0.008 | 0.03 | 0.04 | 0.02 |
| D37EX, PX-22 | 0.006 | 0.022 | — | — | 0.002 | 0.007 | 0.008 | 0.03 | 0.04 | 0.02 |
| D37EX, PX-23 | 0.006 | 0.022 | — | — | 0.002 | 0.007 | 0.0085 | 0.032 | 0.04 | 0.02 |
| D39EX PX-22 | 0.008 | 0.03 | — | — | 0.002 | 0.007 | 0.008 | 0.03 | 0.04 | 0.02 |
| D39EX PX-23 | 0.006 | 0.022 | — | — | 0.002 | 0.007 | 0.008 | 0.03 | 0.04 | 0.02 |
| D51EX, PX-22 | 0.01 | 0.04 | — | — | 0.002 | 0.008 | 0.0085 | 0.032 | 0.04 | 0.02 |
| D61EX, PX-15E0 | 0.015 | 0.058 | 0.018 | 0.069 | 0.015 | 0.057 | 0.007 | 0.028 | 0.04 | 0.02 |
| D61EX, PX-23 | 0.014 | 0.054 | — | — | 0.004 | 0.016 | 0.0135 | 0.051 | 0.04 | 0.02 |
| D63E-12 | 0.01 | 0.038 | 0.02 | 0.075 | 0.015 | 0.057 | 0.006 | 0.024 | 0.04 | 0.02 |
| D65EX, PX-16 | 0.015 | 0.056 | 0.013 | 0.048 | 0.013 | 0.048 | 0.007 | 0.028 | 0.04 | 0.02 |
| D65EX, PX, WX-17 | 0.013 | 0.05 | 0.013 | 0.048 | 0.012 | 0.044 | 0.007 | 0.028 | 0.04 | 0.02 |
| D68ESS-12A | 0.01 | 0.038 | 0.02 | 0.075 | 0.015 | 0.057 | 0.006 | 0.024 | 0.04 | 0.02 |
| D85EX-15E0 | 0.02 | 0.076 | 0.016 | 0.06 | 0.014 | 0.052 | 0.01 | 0.036 | 0.04 | 0.02 |
| D85PX-15E0 | 0.02 | 0.076 | 0.016 | 0.06 | 0.019 | 0.072 | 0.01 | 0.036 | 0.04 | 0.02 |
| D85EX-15R | 0.02 | 0.076 | 0.016 | 0.06 | 0.014 | 0.052 | 0.01 | 0.036 | 0.04 | 0.02 |
| D85PX-15R | 0.02 | 0.076 | 0.016 | 0.06 | 0.019 | 0.072 | 0.01 | 0.036 | 0.04 | 0.02 |
| D155A-5 | 0.021 | 0.08 | 0.016 | 0.06 | 0.032 | 0.12 | 0.013 | 0.05 | 0.07 | 0.03 |
| D155A-6 | 0.02 | 0.074 | 0.018 | 0.07 | 0.016 | 0.062 | 0.012 | 0.046 | 0.07 | 0.03 |
| D155AX-6 | 0.02 | 0.074 | 0.024 | 0.09 | 0.016 | 0.062 | 0.012 | 0.046 | 0.07 | 0.03 |
| D155AX-7 | 0.02 | 0.074 | 0.024 | 0.09 | 0.016 | 0.062 | 0.012 | 0.046 | 0.07 | 0.03 |
| D275A-5 | 0.029 | 0.11 | 0.024 | 0.09 | 0.021 | 0.08 | 0.021 | 0.08 | 0.09 | 0.04 |
| D275A-5R | 0.026 | 0.1 | 0.024 | 0.09 | 0.01 | 0.04 | 0.017 | 0.065 | 0.09 | 0.04 |
| D275AX-5E0 | 0.026 | 0.1 | 0.024 | 0.09 | 0.01 | 0.04 | 0.017 | 0.065 | 0.09 | 0.04 |
| D375A-5 | 0.032 | 0.12 | 0.04 | 0.15 | 0.019 | 0.07 | 0.016 | 0.06 | 0.09 | 0.04 |
| D375A-5R | 0.045 | 0.172 | 0.04 | 0.15 | 0.016 | 0.061 | 0.018 | 0.069 | 0.09 | 0.04 |
| D375A-6, D375A-6R | 0.045 | 0.172 | 0.04 | 0.15 | 0.016 | 0.061 | 0.017 | 0.065 | 0.09 | 0.04 |
| D475A-5E0 | 0.064 | 0.242 | 0.055 | 0.21 | 0.02 | 0.075 | 0.022 | 0.085 | 0.11 | 0.05 |
| D575A-3 | 0.137 | 0.52 | 0.093 | 0.35 | 0.042 | 0.16 | 0.04 | 0.15 | 0.13 | 0.06 |

*(1) Includes lubricant oil of compressor for Portable Air Compressor
*(2) Includes oils in the torque converter, main clutch and steering cases, differential, etc.



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### (2) Hydraulic excavators

| Application | *(1) Crank case | | Transmission or Swing Machinery | | *(2) Final Drives | | Hydraulic Control | | Grease | |
|---|---|---|---|---|---|---|---|---|---|---|
| Unit Q'TY / Machine Model | US Gal | Liter | US Gal | Liter | US Gal | Liter | US Gal | Liter | lb | kg |
| PC18MR-3, PC20MR-3 | 0.002 | 0.007 | — | — | 0.0003 | 0.001 | 0.003 | 0.010 | 0.04 | 0.02 |
| PC27MR-3 | 0.004 | 0.014 | — | — | 0.0003 | 0.001 | 0.003 | 0.010 | 0.04 | 0.02 |
| PC30MR-3, PC35MR-3 | 0.004 | 0.014 | — | — | 0.0003 | 0.001 | 0.003 | 0.010 | 0.04 | 0.02 |
| PC45MR-3, PC55MR-3 | 0.004 | 0.015 | — | — | 0.0005 | 0.002 | 0.003 | 0.010 | 0.04 | 0.02 |
| PC60-8, PC70-8 | 0.006 | 0.023 | 0.0005 | 0.002 | 0.0005 | 0.002 | 0.0032 | 0.012 | 0.09 | 0.04 |
| PC78US-8 | 0.006 | 0.022 | 0.0005 | 0.002 | 0.0005 | 0.002 | 0.0032 | 0.012 | 0.09 | 0.04 |
| PC88MR-8 | 0.006 | 0.022 | 0.0008 | 0.003 | 0.0005 | 0.002 | 0.003 | 0.011 | 0.09 | 0.04 |
| PC130-8 | 0.006 | 0.022 | 0.0008 | 0.003 | 0.0011 | 0.004 | 0.0048 | 0.018 | 0.11 | 0.05 |
| PC138US-8 | 0.006 | 0.022 | 0.0008 | 0.003 | 0.0011 | 0.004 | 0.0037 | 0.014 | 0.11 | 0.05 |
| PC138US-10 | 0.006 | 0.023 | 0.0008 | 0.003 | 0.0011 | 0.004 | 0.0037 | 0.014 | 0.11 | 0.05 |
| PC160LC-8 | 0.008 | 0.032 | 0.0013 | 0.005 | 0.0008 | 0.003 | 0.0063 | 0.024 | 0.11 | 0.05 |
| PC190LC-8 | 0.008 | 0.032 | 0.0013 | 0.005 | 0.0013 | 0.005 | 0.007 | 0.028 | 0.11 | 0.05 |
| PC200/LC-8, PC210/LC-8 | 0.012 | 0.046 | 0.0018 | 0.007 | 0.0008 | 0.003 | 0.007 | 0.027 | 0.15 | 0.07 |
| PC200/LC-8M0 | 0.012 | 0.046 | 0.0018 | 0.007 | 0.0011 | 0.004 | 0.007 | 0.027 | 0.15 | 0.07 |
| PC210/LC-10 | 0.012 | 0.046 | 0.0018 | 0.007 | 0.0013 | 0.005 | 0.007 | 0.027 | 0.15 | 0.07 |
| PC220/LC-8 | 0.012 | 0.046 | 0.0021 | 0.008 | 0.0013 | 0.005 | 0.007 | 0.027 | 0.15 | 0.07 |
| PC220/LC-8M0 | 0.012 | 0.046 | 0.0018 | 0.007 | 0.0013 | 0.005 | 0.0066 | 0.025 | 0.15 | 0.07 |
| PC228US/LC-8 | 0.012 | 0.046 | 0.0018 | 0.007 | 0.0013 | 0.005 | 0.0066 | 0.025 | 0.15 | 0.07 |
| PC240LC-10 | 0.012 | 0.046 | 0.0018 | 0.007 | 0.0013 | 0.005 | 0.007 | 0.026 | 0.15 | 0.07 |
| PC270/LC-8 | 0.012 | 0.046 | 0.0021 | 0.008 | 0.0024 | 0.009 | 0.007 | 0.026 | 0.15 | 0.07 |
| PC290LC-10 | 0.012 | 0.046 | 0.0021 | 0.008 | 0.0021 | 0.008 | 0.007 | 0.026 | 0.15 | 0.07 |
| PC300/LC-7,PC350/LC-7 | 0.019 | 0.070 | 0.0037 | 0.014 | 0.0026 | 0.010 | 0.011 | 0.040 | 0.22 | 0.10 |
| PC300/LC-8,PC350/LC-8 | 0.019 | 0.070 | 0.0045 | 0.017 | 0.0024 | 0.009 | 0.010 | 0.038 | 0.22 | 0.10 |
| PC360LC-10 | 0.019 | 0.070 | 0.0045 | 0.017 | 0.0024 | 0.009 | 0.010 | 0.038 | 0.22 | 0.10 |
| PC400/LC-7, PC450/LC-7 | 0.020 | 0.08 | 0.007 | 0.027 | 0.0034 | 0.013 | 0.013 | 0.050 | 0.26 | 0.12 |
| PC400/LC-8, PC450/LC-8 | 0.020 | 0.074 | 0.0053 | 0.020 | 0.0029 | 0.011 | 0.013 | 0.050 | 0.26 | 0.12 |
| PC400/LC-8R, P450/LC-8R | 0.020 | 0.074 | 0.0053 | 0.020 | 0.0029 | 0.011 | 0.013 | 0.050 | 0.26 | 0.12 |
| PC490LC-10 | 0.020 | 0.076 | 0.0053 | 0.020 | 0.0029 | 0.011 | 0.013 | 0.050 | 0.26 | 0.12 |
| PC600/LC-8E0 | 0.021 | 0.080 | 0.0069 | 0.026 | 0.0026 | 0.010 | 0.019 | 0.072 | 0.35 | 0.16 |
| PC600/LC-8R1 | 0.021 | 0.080 | 0.0069 | 0.026 | 0.0026 | 0.010 | 0.019 | 0.072 | 0.35 | 0.16 |
| PC700LC-8E0 | 0.021 | 0.080 | 0.0069 | 0.026 | 0.0026 | 0.010 | 0.019 | 0.072 | 0.35 | 0.16 |
| PC700LC-8R | 0.021 | 0.080 | 0.0069 | 0.026 | 0.0026 | 0.010 | 0.019 | 0.072 | 0.35 | 0.16 |
| PCPC750-7,PC800-7 | 0.032 | 0.120 | 0.013 | 0.050 | 0.0053 | 0.020 | 0.024 | 0.090 | 0.35 | 0.16 |
| PC800-8E0, PC850-8E0 | 0.028 | 0.106 | 0.013 | 0.049 | 0.0053 | 0.020 | 0.025 | 0.094 | 0.35 | 0.16 |
| PC800-8R1, PC850-8R1 | 0.028 | 0.106 | 0.013 | 0.049 | 0.0053 | 0.020 | 0.025 | 0.094 | 0.35 | 0.16 |
| PC1250-7 | 0.032 | 0.120 | 0.013 | 0.050 | 0.006 | 0.022 | 0.037 | 0.140 | 0.40 | 0.18 |
| PC1250-8, PC1250-8R | 0.045 | 0.172 | 0.013 | 0.049 | 0.0055 | 0.021 | 0.035 | 0.134 | 0.44 | 0.20 |
| PC2000-8 | 0.063 | 0.24 | 0.016 | 0.060 | 0.022 | 0.085 | 0.069 | 0.260 | 0.18 | 0.08 |

*(1) Includes lubricant of PTO case.
*(2) Includes lubricant of differential gear box.



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| | Total Capacities Per Excavator | | | | | Total Consumption Per Excavator (Including oil change volume) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Engine ltr. (US Gal) | PTO ltr. (US Gal) | Hydraulic Reservoir ltr. (US Gal) | Slew gears ltr. (US Gal) | Travel gears ltr. (US Gal) | Engine Oil ltr/h (US Gal/h) | Hydraulic Oil ltr/h (US Gal/h)* | Gear Oil ltr/h (US Gal/h)** | Central Lubrication kg/h (lb/h) | Slew ring gear Lubrication kg/h (lb/h) |
| PC3000-6 SSA12V159 | 190 (50.2) | 90 (23.8) | 2900 (766) | 83 (21.9) | 135 (35.7) | 0.8 (0.21) | 0.53 (0.14) | 0.10 (0.026) | 0.14 (0.31) | 0.035 (0.08) |
| PC3000E-6 | — | 90 (23.8) | 2900 (766) | 83 (21.9) | 135 (35.7) | — | 0.53 (0.14) | 0.10 (0.026) | 0.14 (0.31) | 0.035 (0.08) |
| PC4000-6 SDA16V160 | 866*** (229) | 150 (39.6) | 3900 (1030) | 166 (43.9) | 310 (81.9) | 1.1 (0.29) | 0.72 (0.19) | 0.21 (0.055) | 0.16 (0.35) | 0.04 (0.09) |
| PC4000E-6 | — | 150 (39.6) | 3900 (1030) | 166 (43.9) | 310 (81.9) | — | 0.72 (0.19) | 0.21 (0.055) | 0.16 (0.35) | 0.04 (0.09) |
| PC5500-6 2 x SSA12V159 | 380*** (100) | 190 (50.2) | 3800 (1004) | 166 (43.9) | 237 (62.6) | 1.6 (0.42) 1.8*** (0.48) | 0.70 (0.21) | 0.20 (0.053) | 0.18 (0.40) | 0.05 (0.11) |
| PC5500E-6 | — | 153 (40.4) | 3800 (1004) | 166 (43.9) | 237 (62.6) | — | 0.70 (0.21) | 0.19 (0.05) | 0.18 (0.40) | 0.05 (0.11) |
| PC8000-6 2 x SDA16V160 | 2214*** (585) | 240 (63.4) | 8350 (2206) | 249 (65.8) | 780 (206) | 2.2*** (0.58) | 1.53 (0.40) | 0.43 (0.114) | 0.20 (0.44) | 0.06 (0.13) |
| PC8000E-6 | — | 240 (63.4) | 8350 (2206) | 100 (26.4) | 900 (238) | — | 1.53 (0.40) | 0.42 (0.11) | 0.20 (0.44) | 0.06 (0.13) |

* 10% of oil change volume between oil change intervals plus volume of oil change (latest every 6000 h)
** 2% of oil change volume between oil change interval (3000 h) plus volume of oil change
*** Including oil management system

### (3) Off-highway dump trucks

| Application | *(1) Crank case | | *(2) Transmission | | *(3) Final Drives | | *(4) Hydraulic Control | | Grease | |
|---|---|---|---|---|---|---|---|---|---|---|
| Unit Q'TY / Machine Model | US Gal | Liter | US Gal | Liter | US Gal | Liter | US Gal | Liter | lb | kg |
| HD255-5 | 0.02 | 0.076 | 0.018 | 0.07 | 0.002 | 0.016 | 0.011 | 0.04 | 0.04 | 0.02 |
| HD325-6 | 0.029 | 0.11 | 0.024 | 0.09 | 0.016 | 0.06 | 0.019 | 0.07 | 0.04 | 0.02 |
| HD325-7 | 0.026 | 0.10 | 0.024 | 0.09 | 0.01 | 0.038 | 0.009 | 0.033 | 0.04 | 0.02 |
| HD325-7R | 0.026 | 0.10 | 0.024 | 0.09 | 0.01 | 0.038 | 0.009 | 0.033 | 0.04 | 0.02 |
| HD405-6 | 0.029 | 0.11 | 0.024 | 0.09 | 0.016 | 0.06 | 0.009 | 0.033 | 0.04 | 0.02 |
| HD405-7 | 0.026 | 0.10 | 0.024 | 0.09 | 0.01 | 0.038 | 0.009 | 0.033 | 0.04 | 0.02 |
| HD405-7R | 0.026 | 0.10 | 0.024 | 0.09 | 0.01 | 0.038 | 0.009 | 0.033 | 0.04 | 0.02 |
| HD465-7E0 | 0.042 | 0.16 | 0.057 | 0.215 | 0.018 | 0.069 | 0.008 | 0.031 | 0.04 | 0.02 |
| HD465-7 | 0.042 | 0.16 | 0.057 | 0.215 | 0.018 | 0.069 | 0.008 | 0.031 | 0.04 | 0.02 |
| HD465-7R | 0.042 | 0.16 | 0.057 | 0.215 | 0.018 | 0.069 | 0.008 | 0.031 | 0.04 | 0.02 |
| HD605-7E0 | 0.042 | 0.16 | 0.057 | 0.215 | 0.018 | 0.069 | 0.008 | 0.031 | 0.04 | 0.02 |
| HD605-7R | 0.042 | 0.16 | 0.057 | 0.215 | 0.018 | 0.069 | 0.008 | 0.031 | 0.04 | 0.02 |
| HD785-7 | 0.069 | 0.26 | 0.054 | 0.205 | 0.035 | 0.133 | 0.012 | 0.044 | 0.07 | 0.03 |
| HM300-1 | 0.019 | 0.07 | 0.021 | 0.08 | 0.013 | 0.05 | 0.008 | 0.03 | 0.04 | 0.02 |
| HM300-2, HM300-2R | 0.02 | 0.074 | 0.021 | 0.08 | 0.013 | 0.049 | 0.008 | 0.03 | 0.04 | 0.02 |
| HM300-3 | 0.019 | 0.07 | 0.021 | 0.08 | 0.0124 | 0.047 | 0.007 | 0.026 | 0.04 | 0.02 |
| HM350-1 | 0.029 | 0.11 | 0.032 | 0.12 | 0.019 | 0.07 | 0.013 | 0.05 | 0.04 | 0.02 |
| HM350-2, HM350-2R | 0.026 | 0.1 | 0.03 | 0.115 | 0.019 | 0.071 | 0.012 | 0.045 | 0.04 | 0.02 |
| HM400-1 | 0.029 | 0.11 | 0.032 | 0.012 | 0.021 | 0.08 | 0.013 | 0.05 | 0.04 | 0.02 |
| HM400-2, HM400-2R | 0.026 | 0.1 | 0.03 | 0.115 | 0.020 | 0.075 | 0.012 | 0.045 | 0.04 | 0.02 |
| HM400-3 | 0.026 | 0.1 | 0.033 | 0.125 | 0.018 | 0.07 | 0.011 | 0.042 | 0.04 | 0.02 |

*(1) Includes lubricant oil of compressor for Portable Air Compressor
*(2) Includes oils in the torque converter, main clutch and steering cases, differential, etc.
*(3) Includes oils in the differential case of Dump Truck
*(4) Includes oils in the brake cooling tank



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### (4) Wheel loaders and Wheel dozers

| Application | *(1) Crank case | | *(2) Transmission | | Axle | | *(3) Hydraulic Control | | Grease | |
|---|---|---|---|---|---|---|---|---|---|---|
| Unit Q'TY / Machine Model | US Gal | Liter | US Gal | Liter | US Gal | Liter | US Gal | Liter | lb | kg |
| WA120-3 | 0.006 | 0.024 | 0.006 | 0.024 | 0.004 | 0.014 | 0.006 | 0.021 | 0.02 | 0.01 |
| WA150-5 | 0.007 | 0.025 | 0.001 | 0.004 | 0.004 | 0.0143 | 0.006 | 0.024 | 0.02 | 0.01 |
| WA150-6, WA150PZ-6 | 0.006 | 0.023 | 0.001 | 0.004 | 0.004 | 0.0143 | 0.006 | 0.024 | 0.02 | 0.01 |
| WA180-3 | 0.011 | 0.043 | 0.006 | 0.024 | 0.004 | 0.014 | 0.006 | 0.021 | 0.02 | 0.01 |
| WA200-5 | 0.010 | 0.039 | 0.0013 | 0.005 | 0.005 | 0.019 | 0.008 | 0.029 | 0.02 | 0.01 |
| WA200-6, WA200PZ-6 | 0.008 | 0.031 | 0.0013 | 0.005 | 0.005 | 0.018 | 0.008 | 0.029 | 0.02 | 0.01 |
| WA250-5 | 0.010 | 0.039 | 0.0016 | 0.006 | 0.005 | 0.018 | 0.009 | 0.034 | 0.02 | 0.01 |
| WA250-6, WA250PZ-6 | 0.012 | 0.046 | 0.0013 | 0.005 | 0.005 | 0.018 | 0.009 | 0.034 | 0.02 | 0.01 |
| WA320-3 Custom | 0.010 | 0.040 | 0.007 | 0.028 | 0.006 | 0.024 | 0.015 | 0.058 | 0.02 | 0.01 |
| WA320-5 | 0.010 | 0.039 | 0.002 | 0.007 | 0.006 | 0.024 | 0.012 | 0.045 | 0.02 | 0.01 |
| WA320-6, WA320PZ-6 | 0.012 | 0.046 | 0.002 | 0.007 | 0.006 | 0.024 | 0.012 | 0.045 | 0.02 | 0.01 |
| WA380-3 | 0.015 | 0.056 | 0.011 | 0.040 | 0.008 | 0.032 | 0.018 | 0.069 | 0.02 | 0.01 |
| WA380-5 | 0.017 | 0.064 | 0.014 | 0.054 | 0.010 | 0.038 | 0.017 | 0.065 | 0.02 | 0.01 |
| WA380-6, WA380Z-6 | 0.012 | 0.046 | 0.010 | 0.038 | 0.011 | 0.040 | 0.018 | 0.070 | 0.02 | 0.01 |
| WA380-7 | 0.012 | 0.046 | 0.014 | 0.054 | 0.011 | 0.040 | 0.020 | 0.076 | 0.02 | 0.01 |
| WA430-5 | 0.020 | 0.076 | 0.014 | 0.054 | 0.012 | 0.045 | 0.017 | 0.065 | 0.02 | 0.01 |
| WA430-6 | 0.016 | 0.060 | 0.014 | 0.054 | 0.012 | 0.045 | 0.018 | 0.070 | 0.02 | 0.01 |
| WA470-3 | 0.020 | 0.076 | 0.016 | 0.06 | 0.017 | 0.065 | 0.025 | 0.096 | 0.02 | 0.01 |
| WA470-5 | 0.020 | 0.076 | 0.014 | 0.054 | 0.014 | 0.052 | 0.025 | 0.095 | 0.02 | 0.01 |
| WA470-6** | 0.020 | 0.076 | 0.017 | 0.065 | 0.0153 | 0.058 | 0.023 | 0.087 | 0.02 | 0.01 |
| WA470-7 | 0.020 | 0.076 | 0.017 | 0.065 | 0.015 | 0.057 | 0.023 | 0.087 | 0.02 | 0.01 |
| WA480-6** | 0.020 | 0.076 | 0.017 | 0.065 | 0.016 | 0.059 | 0.023 | 0.087 | 0.02 | 0.01 |
| WA500-3 | 0.020 | 0.074 | 0.016 | 0.062 | 0.021 | 0.078 | 0.023 | 0.088 | 0.04 | 0.02 |
| WA500-6, WA500-6R | 0.020 | 0.074 | 0.020 | 0.076 | 0.022 | 0.084 | 0.045 | 0.169 | 0.04 | 0.02 |
| WA500-7 | 0.020 | 0.074 | 0.019 | 0.071 | 0.025 | 0.095 | 0.045 | 0.169 | 0.04 | 0.02 |
| WA600-3 | 0.032 | 0.120 | 0.029 | 0.110 | 0.033 | 0.124 | 0.046 | 0.173 | 0.04 | 0.02 |
| WA600-6, WA600-6R | 0.045 | 0.172 | 0.022 | 0.083 | 0.041 | 0.155 | 0.059 | 0.222 | 0.04 | 0.02 |
| WA700-3 | 0.027 | 0.104 | 0.028 | 0.105 | 0.083 | 0.315 | 0.062 | 0.235 | 0.04 | 0.02 |
| WA800-3 | 0.070 | 0.264 | 0.037 | 0.140 | 0.095 | 0.360 | 0.096 | 0.363 | 0.04 | 0.02 |
| WA800-3E0 | 0.069 | 0.260 | 0.037 | 0.140 | 0.095 | 0.360 | 0.096 | 0.363 | 0.04 | 0.02 |
| WA900-3 | 0.070 | 0.264 | 0.037 | 0.140 | 0.095 | 0.360 | 0.096 | 0.363 | 0.04 | 0.02 |
| WA900-3E0 | 0.069 | 0.260 | 0.037 | 0.140 | 0.095 | 0.360 | 0.096 | 0.363 | 0.04 | 0.02 |
| WA1200-6 | 0.148 | 0.560 | 0.079 | 0.300 | 0.177 | 0.670 | 0.180 | 0.680 | 0.04 | 0.02 |
| WD600-3 | 0.032 | 0.120 | 0.029 | 0.110 | 0.033 | 0.124 | 0.029 | 0.108 | 0.04 | 0.02 |
| WD600-6 | 0.045 | 0.172 | 0.022 | 0.083 | 0.041 | 0.155 | 0.059 | 0.222 | 0.04 | 0.02 |
| WD900-3 | 0.070 | 0.264 | 0.037 | 0.140 | 0.095 | 0.360 | 0.096 | 0.363 | 0.04 | 0.02 |

*(1) Includes lubricant oil of compressor for Portable Air Compressor
*(2) Includes oils in the torque converter, main clutch and steering cases, differential, etc.
*(3) Includes oils in the brake cooling tank
** With large-capacity torque convertor

### (5) Motor graders

| Application | *(1) Crank case | | *(2) Transmission | | *(3) Final Draives and Axle | | Hydraulic Control | | Grease | |
|---|---|---|---|---|---|---|---|---|---|---|
| Unit Q'TY / Machine Model | US Gal | Liter | US Gal | Liter | US Gal | Liter | US Gal | Liter | lb | kg |
| GD511A-1 | 0.010 | 0.036 | 0.009 | 0.034 | 0.006 | 0.024 | 0.008 | 0.030 | 0.04 | 0.02 |
| GD555-5 | 0.012 | 0.046 | 0.012 | 0.045 | 0.024 | 0.091 | 0.009 | 0.035 | 0.04 | 0.02 |
| GD655-5 | 0.012 | 0.046 | 0.012 | 0.045 | 0.024 | 0.091 | 0.009 | 0.035 | 0.04 | 0.02 |
| GD663A-2 | 0.032 | 0.12 | 0.009 | 0.035 | 0.023 | 0.086 | 0.008 | 0.030 | 0.04 | 0.02 |
| GD675-5 | 0.024 | 0.092 | 0.012 | 0.045 | 0.024 | 0.091 | 0.009 | 0.035 | 0.04 | 0.02 |
| GD705A-4 | 0.025 | 0.096 | 0.006 | 0.024 | 0.036 | 0.137 | 0.008 | 0.030 | 0.04 | 0.02 |
| GD755-5R | 0.02 | 0.076 | 0.013 | 0.05 | 0.034 | 0.128 | 0.007 | 0.026 | 0.09 | 0.04 |
| GD825A-2 | 0.018 | 0.068 | 0.007 | 0.025 | 0.040 | 0.152 | 0.021 | 0.080 | 0.09 | 0.04 |

*(1) Includes lubricant oil of compressor for Portable Air Compressor
*(2) Includes oils in the torque converter, main clutch and steering cases, differential, etc.
*(3) Includes oils in the tandem case of Motor Grader


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**Table 4 Approximate Tire Life**

| Machine | Easy Condition | Medium Condition | Severe Condition |
|---|---|---|---|
| Off-Highway Dump Trucks | 4,000 ~ 6,000 | 2,000 ~ 4,000 | 1,000 ~ 2,000 |
| Articulated Dump Trucks | 7,000 | 5,000 | 3,000 |
| Motor Graders | 3,000 | 2,000 | 1,000 |
| Wheel Loaders | 4,000 ~ 6,000 | 2,000 ~ 4,000 | 1,000 ~ 2,000 |
| Wheel Dozers | 3,000 | 2,000 | 1,000 |
| Hydraulic Excavators | 3,000 | 2,000 | 1,000 |
| | Traveling on well-maintained roads, or in silt or sand, tire wear is normal. | Traveling on gravelly surfaces, tire wear is normal but occasionally cut by rocks. | Tire wear mostly due to rock-cut, liable to puncture frequently. |

The life varies with brand and material. Tires may be used above or below the tire life expectancy given in this table.

**Table 5 Approximate Usable Hours of Special Items**

| Item | Easy Range | Medium Range | Severe Range |
|---|---|---|---|
| Ripper Point | 150 | 30 | 15 |
| Shank Protector | 1,500 | 450 | 150 |
| Shank | 7,000 | 3,500 | 2,000 |



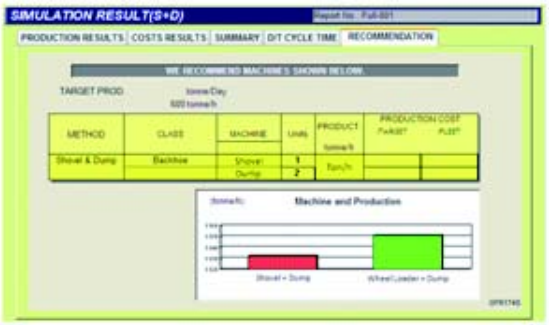
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**Fleet Recommendation & Application Engineering**

Optimum Fleet Recommendation (OFR) software program OFR V6.31 is available for Komatsu distributors. The OFR is able to simulate and recommend optimum fleet for the targeted production with followings.

1. Machine selection based on site conditions and production target.
2. Estimation of each machineÅfs production.
3. Estimation of owning and operating costs.
4. Estimation of production cost.




**Available machine type in the database**

1. Dump truck
2. Wheel loader
3. Hydraulic excavator
4. Bulldozer
5. Mobile crusher & recycler

**Report contents**

1. Production condition, object material, cost data
2. Optimum machine combination
3. Production
4. Number of units
5. Production cost

**For Customer**

Please contact the nearest Komatsu distributor with your specific conditions, application and requirements. DistributorÅfs application engineer will support your fleet evaluation.

**Required information.** *1

1. Ore type, material density, production target (per year, per hour, operational days, shifts).
2. Haul road profile. (Please ask application engineering support from distributor)

*1 The required information listed above is the most basic items for estimation. To get accurate estimation result, distributor may ask additional information to provide.


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**Repair and Maintenance Cost Estimation**

For the estimation of Repair and Maintenance cost, repair and maintenance cost estimating software WebKIRD V3.2 (Komatsu Information on Reliability and Durability) is available for Komatsu distributors. By using this software, distributor can calculate Repair and Maintenance cost for Komatsu equipment with local conditions such as followings.

1. Parts price (Each country has different import duty, transportation charge and etc.)
2. Hourly labor charges
3. Lubricants prices
4. Repairing methods (Repair option
   - Rebuild
   - REMAN (Komatsu component exchange)
5. Man- hours
6. Component and system replacement intervals per operating conditions
   - Application
   - Environments
   - Handling materials (Ore type)
   - Operating methods







**For Customer**

Please contact the nearest Komatsu distributor with your specific model, application and requirements.


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## MEMO

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SECTION 16

# UNIT CONVERSION TABLES

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### a. Length

| Centimeter (cm) | Meter (m) | Inch (in) | Foot (ft) | Yard (yd) | Mile (M) | Kilometer (km) |
|---|---|---|---|---|---|---|
| 1 | 0.01 | 0.3937 | 0.03281 | 0.01094 | 1 | 1.6093 |
| 100 | 1 | 39.37 | 3.281 | 1.0936 | 0.6214 | 1 |
| 2.540 | 0.0254 | 1 | 0.8333 | 0.02778 | | |
| 30.48 | 0.3048 | 12 | 1 | 0.3333 | | |
| 91.44 | 0.9144 | 36 | 3 | 1 | | |

### b. Space

| Sq. meter ($m^2$) | Sq. Inch ($in^2$) | Sq. foot ($ft^2$) | Sq. yard ($yd^2$) |
|---|---|---|---|
| 1 | 1550 | 10.764 | 1.1960 |
| $0.0_3$6452 | 1 | $0.0_2$6944 | $0.0_3$7716 |
| 0.09290 | 144 | 1 | 0.11111 |
| 0.8361 | 1296 | 9 | 1 |

### c. Volume

| Cu. meter($m^3$) | Cu. inch($in^3$) | Cu. foot($ft^3$) | Cu. yard($yd^3$) | Imperial Gal | U.S. Gal | Cu. Inch | Liter |
|---|---|---|---|---|---|---|---|
| 1 | 61024 | 35.31 | 1.3079 | 1 | 1.201 | 177.4 | 4.546 |
| $0.0_4$1639 | 1 | $0.0_3$5787 | $0.0_4$2143 | 0.8327 | 1 | 231 | 3.785 |
| 0.02832 | 1728 | 1 | 0.037037 | $0.0_2$3605 | $0.0_2$4329 | 1 | 0.01639 |
| 0.76455 | 46656 | 27 | 1 | 0.2200 | 0.2642 | 61.02 | 1 |

### d. Weight

| Kilogram (kg) | Pound (lb) | Metric Ton (French Ton) | Short Ton (U.S. Ton) | Long Ton (English Ton) | Newton (N) |
|---|---|---|---|---|---|
| 1 | 2.2046 | 0.001 | 0.0011023 | $0.0_3$9842 | 9.80665 |
| 0.4536 | 1 | $0.0_3$4536 | $0.0_3$5 | $0.0_3$4464 | 4.448 |
| 1000 | 2204.6 | 1 | 1.1023 | 0.9842 | 9806.65 |
| 907.1 | 2000 | 0.9072 | 1 | 0.8929 | 8896.5 |
| 1016 | 2240 | 1.016 | 1.120 | 1 | 9964 |
| 0.10197 | 0.2248 | $0.0_3$1019 | $0.0_3$1124 | $0.0_3$1004 | 1 |

### e. Pressure

| BAR | Kilogram/sq.cm ($kg/cm^2$) | Pound/sq.in (PSI) | Long ton/sq.ft ($Ton/ft^2$) | Pascal (Pa) |
|---|---|---|---|---|
| 1 | 1.0197 | 14.50 | 0.9324 | 100000 |
| 0.9807 | 1 | 14.22 | 0.9144 | 98066.5 |
| 0.06895 | 0.07031 | 1 | 0.06429 | 6895 |
| 1.0725 | 1.0937 | 15.56 | 1 | 107250 |
| 0.00001 | 0.00001020 | 0.000145 | 0.0000932 | 1 |

### f. Velocity

| m/sec | km/h | ft/sec. | MPH |
|---|---|---|---|
| 1 | 3.6 | 3.281 | 2.237 |
| 0.2778 | 1 | 0.9113 | 0.6214 |
| 0.3048 | 1.097 | 1 | 0.6818 |
| 0.4470 | 1.609 | 1.467 | 1 |



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### g. Horsepower

| PS | HP | kW | kg.m/s | kCal |
|---|---|---|---|---|
| 1 | 0.986 | 0.736 | 75 | 0.1757 |
| 1.014 | 1 | 0.746 | 76.07 | 0.1782 |
| 1.3592 | 1.3405 | 1 | 101.97 | 0.2389 |
| 0.01333 | 0.01315 | 0.009807 | 1 | 0.002343 |
| 5.6902 | 5.611 | 4.186 | 426.9 | 1 |

### h. Torque

| kg.m | ft.lb | N.m |
|---|---|---|
| 1 | 7.233 | 9.807 |
| 0.1383 | 1 | 1.356 |
| 0.1020 | 0.7375 | 1 |

### i. Temperature

32°F = 0°C, –459.67°F = –273.15°C, 1°F = 0.5556°C

| °F | °C | °F | °C | °F | °C | °F | °C |
|---|---|---|---|---|---|---|---|
| –450 | –267.78 | 5 | –15.00 | 55 | 12.78 | 150 | 65.56 |
| –400 | –240.00 | 10 | –12.22 | 60 | 15.56 | 200 | 93.33 |
| –350 | –212.22 | 15 | –9.44 | 65 | 18.33 | 250 | 121.11 |
| –300 | –184.44 | 20 | –6.67 | 70 | 21.11 | 300 | 148.89 |
| –250 | –156.67 | 25 | –3.89 | 75 | 23.89 | 350 | 176.67 |
| –200 | –128.89 | 30 | –1.11 | 80 | 26.67 | 400 | 204.44 |
| –150 | –101.11 | 35 | 1.67 | 85 | 29.44 | 450 | 232.22 |
| –100 | –73.33 | 40 | 4.44 | 90 | 32.22 | 500 | 260.00 |
| – 50 | –45.56 | 45 | 7.22 | 95 | 35.00 | 550 | 287.78 |
| 0 | –17.78 | 50 | 10.00 | 100 | 37.78 | 600 | 315.56 |

| °F | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| °C | 0.556 | 1.111 | 1.667 | 2.222 | 2.778 | 3.333 | 3.889 | 4.444 | 5 |

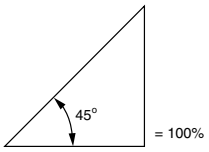
Example: To convert 92°F into °C
90°F = 32.22°C, 2°F = 1.111°C, 90°F+2°F = 33.33°C


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### j. Angles of Gradient




| Angles of gradient | % | Angles of gradient | % | % | Angles of gradient | % | Angles of gradient |
|---|---|---|---|---|---|---|---|
| 1° | 1.75 | 26° | 48.77 | 1 | 0°34' | 26 | 14°34' |
| 2 | 3.49 | 27 | 50.95 | 2 | 1°90' | 27 | 15°70' |
| 3 | 5.24 | 28 | 53.17 | 3 | 1°43' | 28 | 15°39' |
| 4 | 6.99 | 29 | 55.43 | 4 | 2°18' | 29 | 16°10' |
| 5 | 8.75 | 30 | 57.74 | 5 | 2°52' | 30 | 16°42' |
| 6 | 10.51 | 31 | 60.09 | 6 | 3°26' | 31 | 17°13' |
| 7 | 12.28 | 32 | 62.49 | 7 | 4°00' | 32 | 17°45' |
| 8 | 14.05 | 33 | 64.94 | 8 | 4°34' | 33 | 18°16' |
| 9 | 15.84 | 34 | 67.45 | 9 | 5°90' | 34 | 18°47' |
| 10 | 17.63 | 35 | 70.02 | 10 | 5°43' | 35 | 19°17' |
| 11 | 19.44 | 36 | 72.65 | 11 | 6°17' | 36 | 19°48' |
| 12 | 21.26 | 37 | 75.35 | 12 | 6°51' | 37 | 20°18' |
| 13 | 23.09 | 38 | 78.13 | 13 | 7°25' | 38 | 20°48' |
| 14 | 24.93 | 39 | 80.98 | 14 | 7°58' | 39 | 21°18' |
| 15 | 26.80 | 40 | 83.91 | 15 | 8°32' | 40 | 21°48' |
| 16 | 28.67 | 41 | 86.93 | 16 | 9°50' | 41 | 22°18' |
| 17 | 30.57 | 42 | 90.04 | 17 | 9°39' | 42 | 22°47' |
| 18 | 32.49 | 43 | 93.25 | 18 | 10°12' | 43 | 23°16' |
| 19 | 34.43 | 44 | 96.57 | 19 | 10°45' | 44 | 23°45' |
| 20 | 36.40 | 45 | 100.00 | 20 | 11°19' | 45 | 24°14' |
| 21 | 38.39 | 46 | 103.35 | 21 | 11°52' | 46 | 24°42' |
| 22 | 40.40 | 47 | 107.24 | 22 | 12°24' | 47 | 25°10' |
| 23 | 42.45 | 48 | 111.06 | 23 | 12°57' | 48 | 25°39' |
| 24 | 44.52 | 49 | 115.04 | 24 | 13°30' | 49 | 26°06' |
| 25 | 46.63 | 50 | 119.08 | 25 | 14°20' | 50 | 26°34' |



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