# KOMATSU®

**Gross: 50.7 kW** 68 HP @ 1950 rpm **Net: 49 kW** 65 HP @ 1950 rpm

**OPERATING WEIGHT** 

**HORSEPOWER** 

**8225-8395 kg** 18,140-18,510 lb

**BUCKET CAPACITY** 

**0.09–0.34 m³**  $0.12-0.45 \text{ yd}^3$ 

PC88MR-8

ecot3

**PC** 88mr



# COMPACT HYDRAULIC EXCAVATOR

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# WALK-AROUND

#### **Ecology and Economy Features**

#### • Low emission engine

A powerful, turbocharged and air-to-air aftercooled Komatsu SAA4D95LE-5 provides 49 kW 65 HP. This engine is EPA Tier 4 Interim and EU Stage 3A emissions certified without sacrificing power or machine productivity.

#### Low operation noise

The dynamic noise is reduced providing low noise operation.

See page 4.

#### **Productivity Features**

#### • Tight tail swing

• Excellent operation in tight tail swing radius design Tail swing radius: 1335 mm 4'5"

#### High mobility

• Large drawbar pull and swing force are evident when operating on a slope or other rough terrain.

Max. drawbar pull: 66.9 kN 6820 kgf 15,050 lb

• The machine travel speed changes automatically to Hi or Lo at optimal points according to the travel load.

#### Mode selection

- Economy mode improves fuel consumption.
- Attachment mode for optimum engine rpm, hydraulic flow, 2way
- Eco-gauge for energy-saving operations
- Extended idling caution for fuel conservation

See pages 4 and 5.

#### Safety Features

• Cab dedicated to hydraulic excavator for protecting the operator in the event of a roll over accident.

KOMAT'SU

• Safety enhancement with large side-view and rearview mirrors.

#### Large Comfortable Cab

- Low noise design cab
- Sliding convex door facilitates easy entrance in confined areas.
- Large cab improves working space.

See page 6.

#### Large TFT LCD Monitor

- Easy-to-see and use 7" large multifunction color monitor
- Can be displayed in 12 languages for global support.

TFT: Thin Film Transistor LCD : Liquid Crystal Display See page 9.



#### Easy Maintenance

- Side-by-side cooling function enables only the cooling unit to be attached and detached.
- Easy access to engine oil filter, engine main fuel filter and fuel drain valve
- Equipped with the fuel pre-filter (with
- Equipped with the Equipment





- water separator)
- Management Monitoring System (EMMS) monitoring system.

See page 8.



# PRODUCTIVITY & ECOLOGY FEATURES

#### Komatsu Technology



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

Combining "Komatsu Technology", and customer feedback, Komatsu is achieving great advancements in technology.

To achieve both high levels of productivity and economical performance, Komatsu has developed the main components with a total control system. The result is a new generation of high performance and environment-friendly excavators.





#### **Low Operation Noise**

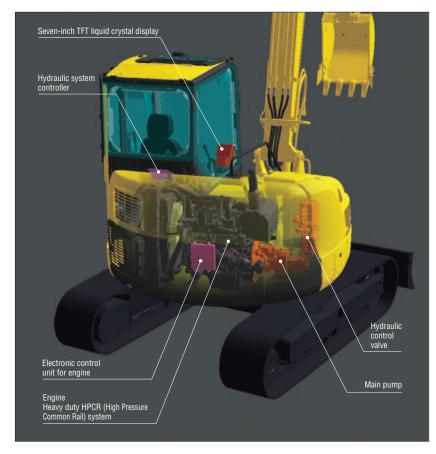
Enables low noise operation using the low-noise engine and methods to cut noise at source.

#### Electronically controlled common rail type engine

Multi-staged injection

#### Low noise design

- Optimal arrangement of sound absorbing materials
- Partition between the cab and engine room



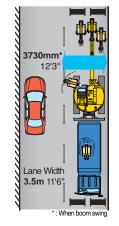
# KOMA'SI ROMA'SI

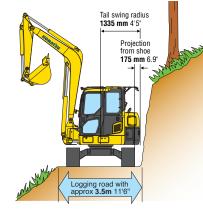
# Advantage even in Confined Job Site

#### **Tight Tail Swing**

The narrow swing area is well suited for operation in confined areas with only a **175mm** (6.9 inch) protrusion over the tracks.

#### Road & bridge work Road construction





#### Against wall

PC88MR-8 can efficiently work by using swing boom.





#### **High Mobility**

The PC88MR-8 exceptional travel performance is provided by large drawbar pull and single pump with double flow, and it demonstrates superb maneuverability while operating at its optimum travel speed. It exhibits a large drawbar pull for moving on job sites, traveling in rough terrain and climbing steep slopes.

Maximum drawbar pull: 66.9 kN 6820 kgf 15050 lb

#### **Improved Swing Performance**

Powerful swing force increases work efficiency on slopes.

#### **Auto-decel**

Engine speed automatically slows down when all control levers are set in neutral to minimize fuel consumption.

#### **Two Automatic Travel Speeds**

High or low-whichever speed suits the ground and job conditions—can be selected with one touch. As terrain changes, travel speed will automatically shift up or down within the selected speed range.

#### **Working Modes Selectable**

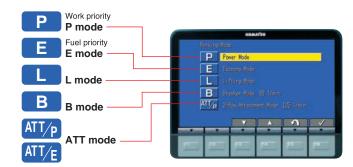
The PC88MR-8 excavator is equipped with five working modes (P, E, L, B and ATT mode). Each mode is designed to match engine speed and pump speed with the current application. This provides the flexibility to match equipment performance to the job at hand.

| Working Mode       | Application     | Advantage  |  |  |
|--------------------|-----------------|--|--|--|
| Р                  | Power mode      | Maximum production/power     Fast cycle times                  |  |  |
| E                  | Economy<br>mode | <ul><li>Good cycle times</li><li>Better fuel economy</li></ul> |  |  |
| L Lifting mode     |                 | Engine rpm reduction   |  |  |
| В                  | Breaker<br>mode | <ul> <li>Optimum engine rpm,<br/>hydraulic flow</li> </ul>     |  |  |
| *ATT/P or<br>ATT/E | Attachment mode | Optimum engine rpm,<br>hydraulic flow, 2way                    |  |  |

\*: It is possible to set ATT/P mode or ATT/E mode.

ATT/P Power mode for attachment mode

ATT/E Economy mode for attachment mode



#### **Eco-gauge that Assists Energy-saving Operations**

The Eco-gauge on the right side of the multi-function color

monitor provides environmentfriendly energy-saving operation. Allows focus on operation in the green range with reduced CO<sub>2</sub> emissions and efficient fuel consumption.



Eco-gauge

#### **Idling Caution**

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



Photo may include optional equipment

# PC88MR-8

# **WORKING ENVIRONMENT**

# Large Comfortable Cab



#### **Multi-position Controls**

The multi-position, PPC (pressure proportional control) levers allow the operator to work in comfort while maintaining precise control.

A double-slide mechanism allows the seat and controllers to move together or independently, allowing the operator to position the seat and controllers for maximum productivity and comfort.

#### **Low Cab Noise**

Cab is highly rigid and has excellent sound absorption ability. Thorough improvement of noise source reduction and use of low noise engine, hydraulic equipment, and air conditioner allows this machine to generate a low level of noise.

#### Large Cab

Large cab provides ample operation space. The cab has wide doorway for easy access.



#### **Automatic Air Conditioner**

Automatic air conditioner is utilized. The bi-level control function keeps the operator's head and feet cool and warm respectively. This improved air flow function keeps the inside of the

cab comfortable throughout the year. Defroster function keeps cab glass clear.



#### **Sliding Convex Door**

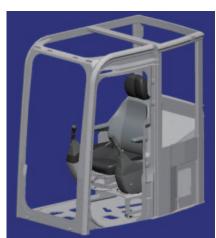
The sliding convex door facilitates easy entrance in confined areas.



# Safety Features

#### **New Cab Design for Hydraulic Excavators**

The cab is designed specifically for hydraulic excavators and gains reinforced strength from the pipestructured cab framework. The cab framework provides the high durability and impact resistance with very high impact absorbency. The seat belt keeps the operator in the seat of the cab in the event of a roll over.





#### **Thermal and Fan Guards**

Thermal and fan guards are placed around high-temperature parts of the engine and fan drive.





#### **Pump/engine Room Partition**

Pump/engine room partition prevents oil from spraying onto the engine if a hydraulic hose should burst.

#### **Slip-resistant Plates**

maintain superior traction performance for the long



#### **Lock Lever**

When lock lever is placed in lock position all hydraulic controls (travel, swing, boom, arm, bucket, boom swing and blade) are inoperable.



Lever shown in lock position

#### **Side-view and Rear-view Mirrors**

Large side mirror and rear mirror allow the PC88MR-8 to meet the new ISO visibility requirements.





#### **Travel Alarm**

An alarm is installed as standard equipment to give other workers a warning when the machine travels in forward or reverse.

#### **Retractable Seat Belt**

Easy-to-use retractable seat belt is employed.

#### **Emergency Escape Hammer**

The cab is equipped with an emergency escape hammer for breaking the rear window glass in case of an emergency.



#### **Wide Visibility**

Large cab and extended front glass enable operator to get better visibility.



#### **Skylight**

Skylight with window can be opened for overhead visibility.



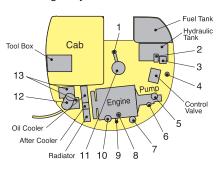
# MAINTENANCE FEATURES

## **Easy Maintenance**

Komatsu designed the PC88MR-8 to have easy service access. By doing so, routine maintenance and servicing are less likely to be skipped, which can mean a reduction in costly downtime later on. Here are some of the many service features found on the PC88MR-8.

#### **Optimum Maintenance Layout**

With the engine hood, right side hood and side service doors, it is possible to access the major maintenance points from ground level. Furthermore, the fuel drain valve, engine oil filter and swing machinery oil filler are remote mounted, facilitating easy maintenance.



- filler and dinstick
- 2. Windshield washer tank
- 3. Coolant reserve tank
- Fuel drain valve
- 5. Fuel pre-filter (with water separator) 6. PTO oil fille
- Engine oil filler
- Engine oil dipstick
  - 11. Swing machinery and
  - 12. Air cleaner





#### **Side-by-side Cooling**

Since radiator, aftercooler and oil cooler are arranged in parallel, it is easy to clean, remove and install them. Radiator, aftercooler, and oil cooler

minum have high cooling efficiency and are easily recycled.



#### Easy Access to Engine Oil Filter, **Engine Main Fuel Filter and Fuel Drain Valve**

Engine oil filter, engine main fuel filter

and fuel drain valve are remote mounted to improve accessibility.







#### **Equipped with the Fuel Pre-filter** (with Water Separator)

Removes water and contaminants in the fuel to prevent fuel problems. (with built-in priming pump)



#### **Air Conditioner Filter**

The air conditioner filter is removed and installed without the use of tools facilitating filter maintenance.



External air conditioner filter

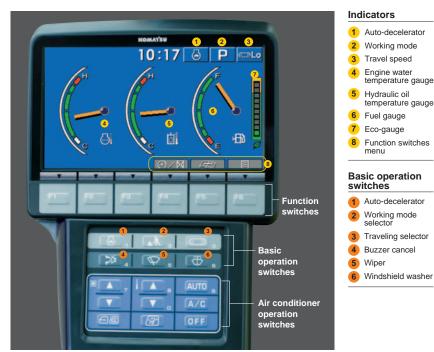
#### **Long Greasing Interval**

All bushing lubrication intervals of work equipment except arm top bushings are 500 hours, reducing maintenance

## Large TFT LCD Monitor

#### **Large Multi-lingual LCD Monitor**

A large user-friendly color monitor enables safe, accurate and smooth work. Improved screen visibility is achieved by the 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 12 languages to globally support operators around the world.



#### **EMMS (Equipment Management Monitoring System)**

#### **Monitor function**

Controller monitors engine oil pressure, coolant temperature and battery charge

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.

# **Option**

#### Roadliner

Ideal performance has been achieved with combining the merits of rubber and the strengths of steel in the new Road Liner shoes.



#### **Optional Blade**

Bolt-on cutting edge type



#### **Additional Counter Weight**

Additional weight is designed for increased lift capacity and easy installation.





# **SPECIFICATIONS**



| Model Komatsu SAA4D95LE-5                              |
|--|
| Type   |
| Aspiration Turbocharged, and air-to-air aftercooled    |
| Number of cylinders                                    |
| Bore x stroke  |
| Piston displacement                                    |
| Governor All-speed control, electronic                 |
| Horsepower   |
| SAE J1995 Gross <b>50.7 kW</b> 68 HP                   |
| ISO 9249 / SAE J1349 Net <b>49 kW</b> 65 HP            |
| Rated rpm  |
| Fuel system Direct injection                           |
| Lubrication system                                     |
| Method Gear pump, force-lubrication                    |
| Filter Full-flow                                       |
| Air cleaner Dry-type with double elements              |
| and auto dust evacuator, plus dust indicator           |
| Starting motor   |
| Alternator   |
| Battery  |
| EPA Tier 4 Interim and EU Stage 3A emissions certified |



Intelligence New Design) system, Closed-center system with load-sensing valve and pressure-compensated valve

| VI: | ain pumps:                                     |
|-----|--|
|     | Pump for Boom, arm, bucket and travel circuits |
|     | Type Variable displacement, axial piston       |
|     | Maximum flow                                   |
|     | Pump for                                       |
|     | Type Fixed displacement gear                   |
|     | Maximum flow                                   |
|     |  |

Hydraulic motors: Travel . . . . . . . . . . . . 2 x piston motor with parking brake Swing . . . . . . . . . . 1 x piston motor with swing holding brake

Implement, travel circuit . . . . . 26.5 MPa 270 kgf/cm<sup>2</sup> 3,840 psi Swing and blade circuit . . . . . 21.1 MPa 215 kgf/cm<sup>2</sup> 3,060 psi

Hydraulic cylinders:

(Number of cylinders – bore x stroke x rod diameter)

Boom . . . . . . 1–**115 mm x 988 mm x 65 mm** 4.5" x 38.9" x 2.6" Arm . . . . . . . 1-100 mm x 861 mm x 60 mm 3.9" x 33.9" x 2.4" Bucket . . . . . 1 - 90 mm x 710 mm x 55 mm 3.5" x 28.0" x 2.2" Boom swing . . 1–120 mm x 638 mm x 60 mm 4.7" x 25.1" x 2.4" Blade . . . . . . 1–130 mm x 200 mm x 65 mm 5.1" x 7.9" x 2.6"



#### **SWING SYSTEM**

| Oriven by                              |
|--|
| Swing reduction                        |
| Swing circle lubrication Grease-bathed |
| Swing lock Mechanical disc brake       |
| Swing speed                            |

# **DRIVES AND BRAKES**

| Steering control        | Two levers with pedals             |
|-------------------------|------------------------------------|
| Drive method            |                                    |
| Maximum drawbar pull    | <b>66.9 kN</b> 6820 kgf 15,050 lbf |
| Maximum travel speed: H | High                               |
| L                       | .ow 2.9 km/h 1.8 mph               |
| Service brake           |                                    |
| Parking brake           | Mechanical disc                    |



#### UNDERCARRIAGE

| Center frame              | X-frame      |
|---------------------------|--------------|
| Track frame               | Box-section  |
| Seal of track             | Sealed track |
| Track adjuster            | Hydraulic    |
| Number of shoes           | 39 each side |
| Number of carrier rollers | 1 each side  |
| Number of track rollers   | 5 each side  |



#### **COOLANT AND LUBRICANT** CAPACITY (REFILLING)

| Fuel tank                     | r 33.0 U.S. gal        |
|-------------------------------|------------------------|
| Radiator 10 lt                | r 2.6 U.S. gal         |
| Engine                        | r 3.0 (2.9) U.S. gal   |
| Final drive, each side 1.1 lt | r 0.3 U.S. gal         |
| Swing drive                   | r 0.7 U.S. gal         |
| Hydraulic tank                | r 26.4 (14.8) U.S. gal |



#### **OPERATING WEIGHT** (APPROXIMATE)

Operating weight including 3405 mm 11'2" one-piece boom, **1650 mm** 5'5" arm, SAE heaped **0.28 m**<sup>3</sup> 0.37 yd<sup>3</sup> backhoe bucket, blade, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

| Sh  | oes   | Operatin | g Weight | Ground Pressure                   |      |      |  |
|-----|-------|----------|----------|-----------------------------------|------|------|--|
| mm  | in    | kg       | lb       | <b>kPa</b> kg/cm <sup>2</sup> psi |      |      |  |
| 450 | 17.7" | 8225     | 18,140   | 36.3                              | 0.37 | 5.26 |  |
| 600 | 23.6" | 8395     | 18,510   | 27.5                              | 0.28 | 3.98 |  |

#### **STANDARD EQUIPMENT**

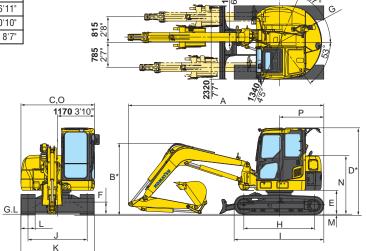
- Air cleaner, double element with auto dust evacuator
- Alternator, 35Ampere, 24V Automatic air conditioner
- Auto deceleration
- Batteries, 55Ah/2 x 12V
- Blade

- Cab which includes: floor mat, intermittent front windshield wiper and washer, large ceiling hatch, pull-up front window, removable lower windshield
- Cooling fan, suction type
- Monitor panel
- Rear view mirrors (LH, rear)
- Seat belt **50mm** 2"
- Shoes,
- —450mm 17.7" Triple grouser
- Starting motor 4.5kW Suspension seat
- Travel alarm
- Working light on boom

# **DIMENSIONS**

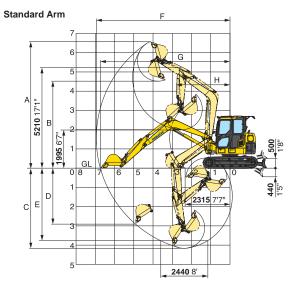
|   | Boom Length                      | 3405 mm | 11'2" | 3405 mm | 11'2"  |
|---|----------------------------------|---------|-------|---------|--------|
|   | Arm Length                       | 1650 mm | 5'5"  | 2100 mm | 6'11"  |
| Α | Overall length                   | 6175 mm | 20'3" | 6350 mm | 20'10" |
| В | Overall height (to top of boom)* | 2240 mm | 7'4"  | 2615 mm | 8'7"   |

| C | Overall width                     | 2330 mm | 7'8"  |
|---|-----------------------------------|---------|-------|
| D | Overall height (to top of cab)*   | 2730 mm | 8'11" |
| E | Ground clearance, counterweight   | 735 mm  | 2'5"  |
| F | Minimum ground clearance          | 360 mm  | 14.2" |
| G | Tail swing radius                 | 1335 mm | 4'5"  |
| Н | Length of track on ground         | 2235 mm | 7'4"  |
| T | Track length                      | 2840 mm | 9'4"  |
| J | Track gauge                       | 1870 mm | 6'2"  |
| K | Width of crawler                  | 2320 mm | 7'7"  |
| L | Shoe width                        | 450 mm  | 17.7" |
| M | Grouser height                    | 20 mm   | 0.8"  |
| N | Machine cab height                | 1835 mm | 6'0"  |
| 0 | Machine cab width                 | 2330 mm | 7'8"  |
| Р | Distance swing center to rear end | 1405 mm | 4'9"  |
|   |                                   | ,       |       |



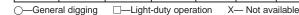
# **WORKING RANGE**

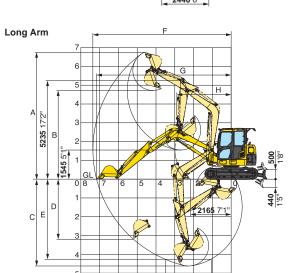
|     | Boom   | 3405 mm                | 11'2"                     | 3405 mm               | 11'2"                     |
|-----|--|------------------------|---------------------------|-----------------------|---------------------------|
|     | Arm  | 1650 mm                | 5'5"                      | 2100 mm               | 6'11"                     |
| Α   | Maximum digging height                                   | 6570 mm                | 21'7"                     | 6750 mm               | 22'2"                     |
| В   | Maximum dumping height                                   | 4515 mm                | 14'10"                    | 4720 mm               | 15'6"                     |
| С   | Maximum digging depth                                    | 4160 mm                | 13'8"                     | 4615 mm               | 15'2"                     |
| D   | Maximum vertical wall digging depth                      | 2900 mm                | 9'6"                      | 3165 mm               | 10'5"                     |
| E   | Maximum digging depth of cut for <b>2440 mm</b> 8' level | 3765 mm                | 12'4"                     | 4250 mm               | 13'11"                    |
| F   | Maximum digging reach                                    | 6935 mm                | 22'9"                     | 7345 mm               | 24'1"                     |
| G   | Maximum digging reach at ground                          | 6725 mm                | 22'1"                     | 7150 mm               | 23'5"                     |
| Н   | Minimum swing radius<br>(When boom swing)                | 2755 mm<br>(2395 mm    | 9'0"<br>7'10")            | 2900 mm<br>(2545 mm   | 9'6"<br>8'4")             |
| IS0 | Bucket digging force                                     | <b>61.</b> 3 6250 kgf  | <b>3 kN</b><br>13,780 lbf | <b>61.</b> 3 6250 kgf | <b>3 kN</b><br>13,780 lbf |
|     | Arm crowd force  | <b>41</b> . 4230 kgf   | <b>5 kN</b><br>9,330 lbf  | <b>36.</b> 3700 kgf   | <b>3 kN</b><br>8,160 lbf  |
| SAE | Bucket digging force                                     |                        | <b>3 kN</b> 12,000 lbf    | <b>53.</b> : 5440 kgf | 3 kN<br>12,000 lbf        |
|     | Arm crowd force  | <b>38.</b><br>3890 kgf | <b>1 kN</b><br>8,580 lbf  | <b>34.</b> 33500 kgf  | <b>3 kN</b> 7,720 lbf     |



#### BACKHOE BUCKET AND ARM COMBINATION

| Bucket Capa             | city (heaped)              | Wid                     | ith                  |                         | Number   | Arm Length          |                         |
|-------------------------|----------------------------|-------------------------|----------------------|-------------------------|----------|---------------------|-------------------------|
| SAE, PCSA               | CECE                       | Without Side<br>Cutters | With Side<br>Cutters | Weight                  | of Teeth | <b>1650 mm</b> 5'5" | <b>2100 mm</b><br>6'11" |
| <b>0.09 m³</b> 0.12 yd³ | <b>0.08 m³</b><br>0.10 yd³ | <b>350 mm</b><br>14"    | <b>450 mm</b><br>18" | <b>145 kg</b><br>320 lb | 3        | 0                   | 0                       |
| <b>0.12 m³</b> 0.16 yd³ | <b>0.11 m³</b><br>0.14 yd³ | <b>450 mm</b><br>18"    | <b>550 mm</b> 22"    | <b>160 kg</b><br>355 lb | 3        | 0                   | 0                       |
| <b>0.20 m³</b> 0.26 yd³ | <b>0.18 m³</b><br>0.24 yd³ | <b>550 mm</b> 22"       | <b>650 mm</b> 26"    | <b>185 kg</b><br>410 lb | 3        | 0                   | 0                       |
| <b>0.28 m³</b> 0.37 yd³ | <b>0.25 m³</b><br>0.33 yd³ | <b>650 mm</b> 26"       | <b>750 mm</b> 30"    | <b>210 kg</b><br>465 lb | 4        | 0                   | Х                       |
| <b>0.34 m³</b> 0.45 yd³ | <b>0.30 m³</b><br>0.39 yd³ | <b>755 mm</b> 29.7"     | NA                   | <b>210 kg</b><br>465 lb | 4        |                     | Х                       |





11

<sup>\*:</sup> Including grouser height



- Additional counter weight
- Arm,
  - —1650mm 5'5" arm assembly
- Boom,
- -3405mm 11'2"
- Hydraulic control unit
  - -1 additional actuator
- Long arm,
- **—2100mm** 6'11" arm assembly
- Reinforced blade with BOC
- Seat belt 78mm 3"
- Shoes,
  - -450mm 17.7" Road Liner
  - -600mm 23.6" Triple grouser
  - -450mm 17.7" Rubber shoe
- Wide blade
- Working light on cab



| PC88MR-8 | Arm : <b>1650mm</b> 5'5" | Bucket : 0.28 m <sup>3</sup> 0. | 37 yd <sup>3</sup> SAE heaped | Shoe width : 450mm | 17.7" triple grouser | Blade on ground |         | Unit : kg lb |
|----------|--------------------------|---------------------------------|-------------------------------|--------------------|----------------------|-----------------|---------|--------------|
|          | Maximum                  |                                 | 4.5m 14'                      |                    | <b>3.0m</b> 9'       |                 | 1.5m 4' |              |
|          | Cf                       | Cs                              | Cf                            | Cs                 | Cf                   | Cs              | Cf      | Cs           |
| 5.0m     | *1520                    | 1250                            |                               |                    |                      |                 |         |              |
| 16'      | *3360                    | 2750                            |                               |                    |                      |                 |         |              |
| 3.0m     | *1650                    | 790                             | *1760                         | 1280               |                      |                 |         |              |
| 9'       | *3630                    | 1760                            | *3890                         | 2820               |                      |                 |         |              |
| 0.0m     | *2210                    | 730                             | *3060                         | 1100               | *3520                | 2040            |         |              |
| 0'       | *4890                    | 1610                            | *6740                         | 2440               | *7760                | 4510            |         |              |
| -2.0m    | *2770                    | 1040                            | *2960                         | 1100               | *5210                | 2070            | *6110   | *4930        |
| -6'      | *6110                    | 2290                            | *6530                         | 2420               | *11490               | 4570            | *13480  | *10870       |

| PC88MR-8 | Arm : <b>1650mm</b> 5'5" | Bucket : 0.28 m <sup>3</sup> 0.3 | 37 yd <sup>3</sup> SAE heaped | Shoe width : 450mm | 17.7" triple grouser | Blade on ground | Additional counter w | eight Unit: kg lb |
|----------|--------------------------|----------------------------------|-------------------------------|--------------------|----------------------|-----------------|----------------------|-------------------|
|          | Maximum                  |                                  | 4.5m 14'                      |                    | <b>3.0m</b> 9'       |                 | 1.5m 4'              |                   |
|          | Cf                       | Cs                               | Cf                            | Cs                 | Cf                   | Cs              | Cf                   | Cs                |
| 5.0m     | *1520                    | 1340                             |                               |                    |                      |                 |                      |                   |
| 16'      | *3360                    | 2970                             |                               |                    |                      |                 |                      |                   |
| 3.0m     | *1640                    | 870                              | *1760                         | 1380               |                      |                 |                      |                   |
| 9'       | *3630                    | 1920                             | *3880                         | 3050               |                      |                 |                      |                   |
| 0.0m     | *2210                    | 800                              | *3060                         | 1210               | *3520                | 2220            |                      |                   |
| 0'       | *4880                    | 1770                             | *6740                         | 2670               | *7760                | 4900            |                      |                   |
| -2.0m    | *2770                    | 1130                             | *2960                         | 1200               | *5210                | 2250            | *6110                | *4930             |
| -6'      | *6100                    | 2510                             | *6530                         | 2650               | *11490               | 4960            | *13480               | *10870            |

| PC88MR-8 | Arm : <b>2100mm</b> 6'11" | Bucket : <b>0.20 m</b> <sup>3</sup> ( | 0.26 yd³ SAE heaped | Shoe width : 450m | <b>m</b> 17.7" triple grousei | Blade on ground |         | Unit: kg lb |
|----------|---------------------------|---------------------------------------|---------------------|-------------------|-------------------------------|-----------------|---------|-------------|
|          | Maximum                   |                                       | 4.5m 14'            |                   | <b>3.0m</b> 9'                |                 | 1.5m 4' |             |
|          | Cf                        | Cs                                    | Cf                  | Cs                | Cf                            | Cs              | Cf      | Cs          |
| 5.0m     | *1310                     | 1040                                  |                     |                   |                               |                 |         |             |
| 16'      | *2890                     | 2300                                  |                     |                   |                               |                 |         |             |
| 3.0m     | *1430                     | 690                                   | *1430               | 1290              |                               |                 |         |             |
| 9'       | *3170                     | 1530                                  | *3160               | 2850              |                               |                 |         |             |
| 0.0m     | *1940                     | 620                                   | *2860               | 1070              | *3980                         | 1990            |         |             |
| 0'       | *4280                     | 1380                                  | *6300               | 2370              | *8770                         | 4400            |         |             |
| -2.0m    | *2460                     | 840                                   | *3060               | 1040              | *5440                         | 1980            | *4870   | *3950       |
| -6'      | *5430                     | 1850                                  | *6750               | 2290              | *12000                        | 4370            | *10730  | *8720       |

| PC88MR-8 | Arm: 2100mm 6'11" | Bucket : <b>0.20 m</b> <sup>3</sup> | 0.26 yd <sup>3</sup> SAE heaped | Shoe width : 450m | m 17.7" triple grouser | Blade on ground | Additional counter | weight Unit: kg lb |
|----------|-------------------|-------------------------------------|---------------------------------|-------------------|------------------------|-----------------|--------------------|--------------------|
|          | Maximum           |                                     | 4.5m 14'                        |                   | <b>3.0m</b> 9'         |                 | 1.5m 4'            |                    |
|          | Cf                | Cs                                  | Cf                              | Cs                | Cf                     | Cs              | Cf                 | Cs                 |
| 5.0m     | *1310             | 1130                                |                                 |                   |                        |                 |                    |                    |
| 16'      | *2890             | 2490                                |                                 |                   |                        |                 |                    |                    |
| 3.0m     | *1430             | 760                                 | *1430                           | 1390              |                        |                 |                    |                    |
| 9'       | *3170             | 1680                                | *3160                           | 3080              |                        |                 |                    |                    |
| 0.0m     | *1940             | 690                                 | *2860                           | 1180              | *3980                  | 2170            |                    |                    |
| 0'       | *4280             | 1530                                | *6300                           | 2600              | *8770                  | 4790            |                    |                    |
| -2.0m    | *2460             | 920                                 | *3060                           | 1140              | *5440                  | 2160            | *4870              | *3950              |
| -6'      | *5430             | 2040                                | *6750                           | 2520              | *12000                 | 4760            | *10730             | *8720              |

<sup>\*</sup> 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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