

 **STANDARD EQUIPMENT**

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Alternator, 50 Ampere, 24V</li><li>• Anti-slip plates</li><li>• Auto-decel</li><li>• Automatic engine warm-up system</li><li>• Batteries, 110 Ah/2 x 12V</li><li>• Boom holding valve</li><li>• Corrosion resistor</li><li>• Counterweight, <b>9220kg</b> 20,330lb</li><li>• Dry type air cleaner, double element</li><li>• Electric horn</li><li>• Engine, Komatsu SAA6D125E-5</li><li>• Engine overheat prevention system</li></ul> | <ul style="list-style-type: none"><li>• Fan guard structure</li><li>• Fuel pre-filter (with water separator)</li><li>• Hydraulic track adjusters (each side)</li><li>• Multi-function color monitor</li><li>• Power maximizing system</li><li>• PPC hydraulic control system</li><li>• Radiator &amp; oil cooler dust proof net</li><li>• Rear reflector</li><li>• Rear view mirror (RH, LH)</li><li>• ROPS cab (ISO 12117-2)</li><li>• Seat belt, retractable</li><li>• Track guiding guard, center section</li></ul> | <ul style="list-style-type: none"><li>• Track roller<ul style="list-style-type: none"><li>—PC400-8, 7 each side</li><li>—PC400LC-8, 8 each side</li></ul></li><li>• Track shoe<ul style="list-style-type: none"><li>—PC400-8, <b>600 mm</b> 24" triple grouser</li><li>—PC400LC-8, <b>700 mm</b> 28" triple grouser</li></ul></li><li>• Travel alarm</li><li>• Two-mode settings for boom</li><li>• Working light, 2 (boom and RH)</li><li>• Working mode selection system</li></ul> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

 **OPTIONAL EQUIPMENT**

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Air conditioner with defroster, hot &amp; cool box</li><li>• Alternator, 60 ampere, 24 V</li><li>• Arms<ul style="list-style-type: none"><li>—<b>2400 mm</b> 7'10" arm assembly</li><li>—<b>2900 mm</b> 9'6" arm assembly</li><li>—<b>3380 mm</b> 11'1" arm assembly</li><li>—<b>4000 mm</b> 13'1" arm assembly</li><li>—<b>4800 mm</b> 15'9" arm assembly</li></ul></li><li>• Batteries, 140 Ah/2 x 12 V</li><li>• Bolt-on top guard, (Operator Protective Guards level 2 (OPG))</li><li>• Boom, <b>7060 mm</b> 23'2"</li></ul> | <ul style="list-style-type: none"><li>• Cab accessories<ul style="list-style-type: none"><li>—Rain visor</li><li>—Sun visor</li></ul></li><li>• Cab front guard<ul style="list-style-type: none"><li>—Full height guard</li><li>—Half height guard</li></ul></li><li>• Heater with defroster</li><li>• Long lubricating intervals for implement bushings</li><li>• Rear view mirror (rear and sidewise)</li><li>• Rear view monitoring system</li><li>• Seat, suspension</li><li>• Seat, suspension with heater</li></ul> | <ul style="list-style-type: none"><li>• Service valve</li><li>• Shoes, triple grouser shoes<ul style="list-style-type: none"><li>—PC400-8<ul style="list-style-type: none"><li><b>700 mm</b> 28", <b>800 mm</b> 31.5"</li></ul></li><li>—PC400LC-8<ul style="list-style-type: none"><li><b>600 mm</b> 24", <b>800 mm</b> 31.5"</li></ul></li></ul></li><li>• Track roller guards (full length)</li><li>• Track frame undercover</li><li>• Variable track gauge</li><li>• Working lights (2 on cab)</li></ul> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

 **SPECIAL PURPOSE BUCKET**

- **Ripper bucket** for hard and rock ground
  - Capacity
    - SAE heaped **1.1 m³** 1.44 yd³
    - CECE heaped **1.0 m³** 1.31 yd³
    - Width **1250 mm** 49.2"
- **Single-shank ripper** is recommended for rock-digging and crushing, hard soil digging, pavement removal works, etc.

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CEN00223-02

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**KOMATSU®**

**PC400-8**  
**PC400LC-8**

**HORSEPOWER**  
**Gross: 270 kW** 362 HP @ 1900 rpm  
**Net: 257 kW** 345 HP @ 1900 rpm

**OPERATING WEIGHT**  
**PC400-8: 41740–42590 kg**  
92,020–93,890 lb  
**PC400LC-8: 42290–43200 kg**  
93,230–95,240 lb

**ecot3**

**PC**  
**400**

HYDRAULIC EXCAVATOR



Photo may include optional equipment.

# WALK-AROUND

## Productivity Features

### • High Production and Low Fuel Consumption

High power, working performance and fuel efficiency improve production and fuel costs.

### • Excellent Machine Stability

Large counterweight offers superior machine stability and balance.

### • Large Digging Force

Pressing the Power Max function button temporarily increases the digging force 7%.

### • Two-mode Setting for Boom

Switch selection allows either powerful digging or smooth boom operation.

See page 5.

## Large TFT LCD Monitor

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

TFT : Thin Film Transistor  
LCD : Liquid Crystal Display

See page 8.

## Safety Design

- ROPS cab (ISO 12117-2)
- Anti-slip plates for safe work on machine
- Rear view monitoring system for easy checking behind the machine (optional)

See page 7.

## Easy Maintenance

- Long replacement interval of engine oil, engine oil filter, hydraulic oil and hydraulic filter.
- Equipped with fuel pre-filter as standard (with water separator)
- Side-by-side radiator and oil cooler configuration enables independent removal and installation of those two components.
- Equipped with the EMMS monitoring system.
- Easy access to engine oil filter and fuel drain valve
- Large fuel tank capacity
- High pressure in-line filter

See page 9.

## Ecology and Economy Features

- Low emission engine  
A powerful turbocharged and air to air aftercooled Komatsu SAA6D125E-5 engine provides **257 kW** 345 HP. This engine is EPA Tier 3 and EU Stage 3A emissions certified, without sacrificing power or machine productivity.
- Economy mode saves fuel consumption.
- Low operation noise

See pages 4 and 5.

## Large Comfortable Cab

- Low-noise cab
- Low vibration with cab damper mounting
- Highly pressurized cab with optional air conditioner
- Operator seat and console with armrest that enables operations in the appropriate operational posture.

See page 6.

## Variable Track Gauge (optional)

- Greatly increases lateral stability
- Compliant with transportation regulations

See page 5.

**HORSEPOWER**  
Gross: 270 kW 362 HP @ 1900 rpm  
Net: 257 kW 345 HP @ 1900 rpm

**OPERATING WEIGHT**  
PC400-8: 41740 – 42590 kg  
92,020 – 93,890 lb  
PC400LC-8: 42290 – 43200 kg  
93,230 – 95,240 lb

**BUCKET CAPACITY**  
1.30 – 2.20 m<sup>3</sup>  
1.70 – 2.88 yd<sup>3</sup>



Photo may include optional equipment.



# PRODUCTIVITY & ECOLOGY FEATURES

## Komatsu Technology



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 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.

## Environment-friendly Clean Engine

The PC400-8 gets its exceptional power and work capacity from a Komatsu SAA6D125E-5 engine. Output is **257 kW** 345 HP, providing increased hydraulic power and improved fuel efficiency.

Komatsu SAA6D125E-5 engine is EPA Tier 3 and EU Stage 3A emissions certified with NOx emission reduced by 40%. The SAA6D125E-5 engine adopts the electronically controlled Heavy Duty HPCR\* fuel injection system and cooled EGR system with electronically controlled bypass-assist type venturi.

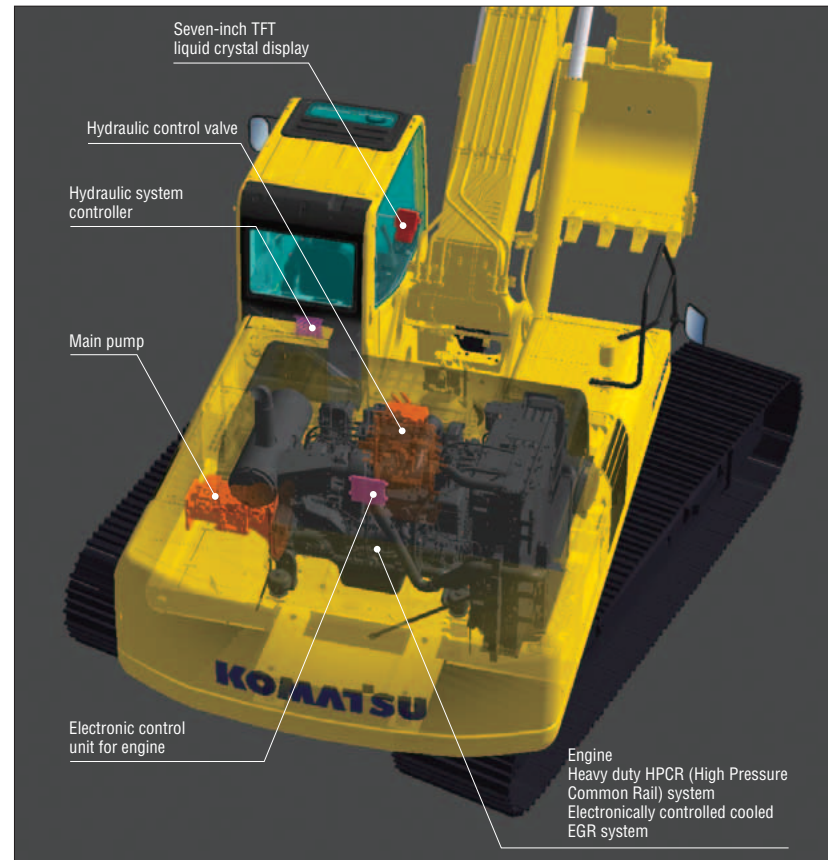
\*HPCR : High Pressure Common Rail

## Low Operation Noise

Enables a low noise operation using the low-noise engine and methods to cut noise at source. Ambient noise meets the EU Stage 2 noise regulation.

## Excellent Machine Stability

Large counterweight offers superior machine stability and balance.



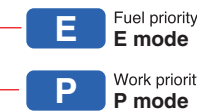
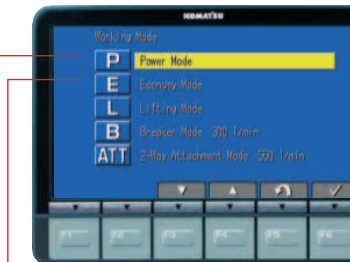
## Working Modes Selectable

Two established work modes are further improved.

**P mode** – Power or work priority mode has low fuel consumption, but fast equipment speed and maximum production and power are maintained.

**E mode** – Economy or fuel priority mode further reduces fuel consumption, but maintains the P-mode-like working equipment speed for light duty work.

You can select Power or Economy modes using a one-touch operation on the monitor panel depending on workloads.



## Eco-gauge that Assists Energy-saving Operations

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



## Large Digging Force

With the one-touch Power Max. function digging force has been further increased. (8.5 seconds of operation)

**Maximum arm crowd force (ISO):**

200 kN (20.4t) → **214 kN (21.8t)** (with Power Max.) **7% UP**

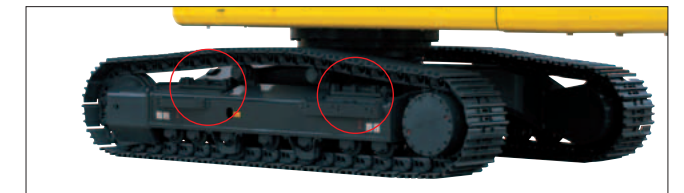
**Maximum bucket digging force (ISO):**

256 kN (26.1t) → **275 kN (28.0t)** (with Power Max.) **7% UP**

\*Measured with Power Max function, 3380 mm 11'1" arm and ISO rating

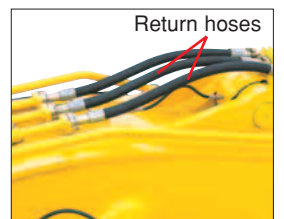
## Variable Track Gauge (optional)

- Lateral stability is significantly improved when operating with the gauge extended.
- Lateral stability is increased by 30% (compared with the fixed gauge version).
- With trackframes retracted, overall width complies with many local transportation regulations.



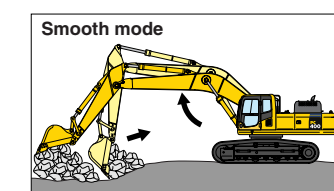
## Smooth Loading Operation

Two return hoses improve hydraulic performance. In the arm out function, a portion of the oil is returned directly to the tank providing smooth operation.

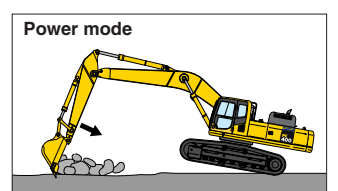


## Two-mode Setting for Boom

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.



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.



# WORKING ENVIRONMENT

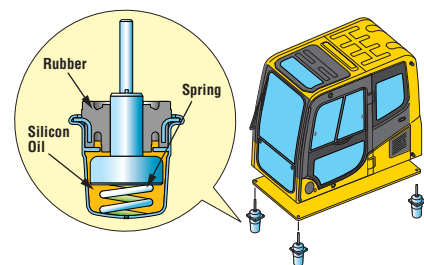


## Low Cab Noise

The newly-designed 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.

## Low Vibration with Cab Damper Mounting

PC400-8 uses viscous damper mounting for cab that incorporates longer stroke and the addition of a spring. The new cab damper mounting combined with high rigidity deck aids vibration reduction at operator seat.



## Wide Newly-designed Cab

Newly-designed wide spacious cab includes seat with reclining backrest. The seat height and longitudinal inclination are easily adjusted using a pull-up lever. You can set the appropriate operational posture of armrest together with the console.

Reclining the seat further enables you to place it into the fully flat state with the headrest attached.



## Pressurized Cab

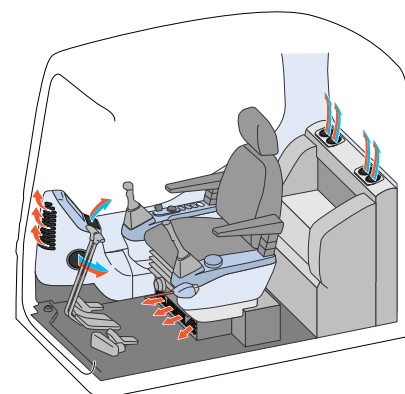
Optional air conditioner, air filter and a higher internal air pressure (+6.0 mm Aq +0.2" Aq) prevent external dust from entering the cab.

## Automatic Air Conditioner (optional)

Enables you to easily and precisely set cab atmosphere with the instruments on the large LCD.



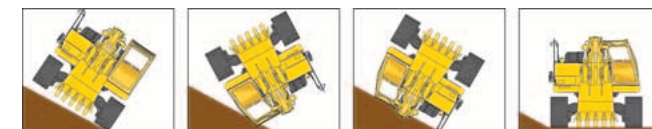
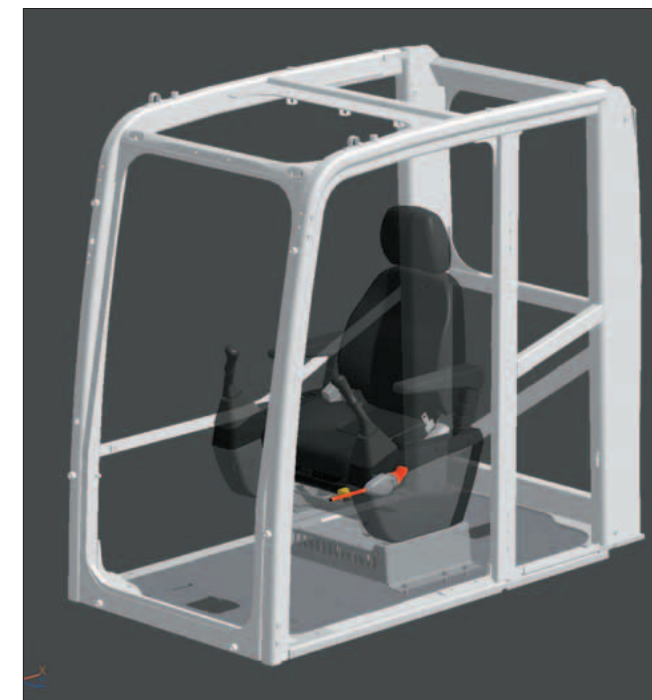
The bi-level control function keeps the operator's head and feet cool and warm respectively. This improved air flow function keeps the inside of the cab comfortable throughout the year. Defroster function keeps front glass clear.



## Safety Features

### ROPS Cab

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.



### Anti-slip Plates

Highly durable anti-slip plates maintain superior traction performance for the long term.



### Lock Lever

Locks the hydraulic pressure to prevent unintentional movement. Neutral start function only allows machine to be started in lock position.



### Pump/Engine Room Partition

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



### Thermal and Fan Guards

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



Large Serrated Steps



Large Handrail



Large LCD Color 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. Function keys facilitate multi-function operations. Displays data in 12 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

Mode Selection

The multi-function color monitor has Power mode, Economy mode, Lifting mode, Breaker mode and Attachment mode.

| Working Mode | Application       | Advantage                                                                                        |
|--------------|-------------------|--------------------------------------------------------------------------------------------------|
| P            | Power mode        | <ul style="list-style-type: none"><li>Maximum production/power</li><li>Fast cycle time</li></ul> |
| E            | Economy mode      | <ul style="list-style-type: none"><li>Excellent fuel economy</li></ul>                           |
| L            | Lifting mode      | <ul style="list-style-type: none"><li>Hydraulic pressure is increased by 7%</li></ul>            |
| B            | Breaker operation | <ul style="list-style-type: none"><li>Optimum engine rpm, hydraulic flow</li></ul>               |
| ATT          | Attachment mode   | <ul style="list-style-type: none"><li>Optimum engine rpm, hydraulic flow, 2 way</li></ul>        |

Lifting Mode

When the Lifting mode is selected, lifting capacity is increased 7% by raising hydraulic pressure.

EMMS (Equipment Management Monitoring System)

Monitor Function

Controller monitors engine oil level, coolant temperature, battery charge and air 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.



MAINTENANCE FEATURES

Easy Maintenance

Easy Access to Engine Oil Filter and Fuel Drain Valve

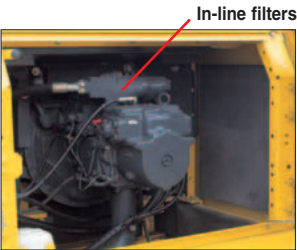
Engine oil dipstick and fill, and fuel filter are mounted on same side to improve accessibility. Fuel drain valve are remotely mounted to improve accessibility.



Fuel Drain Valve

High Pressure In-line Filter

In-line filters are provided at outlet port (pressure side) of each pump to protect hydraulic system contamination.



Easy Radiator Cleaning

Since radiator and oil cooler are arranged side-by-side, it is easy to clean, remove and install them.

Equipped with Fuel Pre-filter (with Water Separator)

Removes water and contaminants in the fuel to prevent fuel problems.



Large Capacity Air Cleaner

Large capacity air cleaner is comparable to that of larger machines. The larger air cleaner can extend air cleaner life during long-term operation and prevents early clogging and resulting power decrease. Reliability is improved by a new seal design.



Long-life Oil, Filter

Uses high-performance filtering materials and long-life oil. Extends the oil and filter replacement interval.



Hydraulic oil filter (Eco-white element)

- Engine oil & Engine oil filter every 500 hours
- Hydraulic oil every 5000 hours
- Hydraulic oil filter every 1000 hours

Long Work Equipment Greasing Interval (optional)

High quality BMRC bushings and resin shims are optionally available for work equipment pins excluding bucket, extending greasing interval to 500 hours.

Large Fuel Tank Capacity

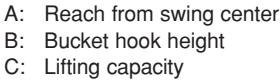
Large fuel tank capacity extends operating hours before refueling. Fuel tank is treated for rust prevention and improved corrosion resistance.



Photo may include optional equipment.







Cf: Rating over front  
Cs: Rating over side  
⊗: Rating at maximum reach

| PC400-8       |   |                         | Arm: 2900 mm 9'6"    |                      | Bucket: 1.9 m³ 2.49 yd³ SAE heaped |                         | Shoe: 600 mm 24" triple grouser |                         |                       |                          |                       |                         |                         |    |
|---------------|---|-------------------------|----------------------|----------------------|------------------------------------|-------------------------|---------------------------------|-------------------------|-----------------------|--------------------------|-----------------------|-------------------------|-------------------------|----|
| B             | A | 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                              |                         | Cs                    |                          | Cf                    | Cs                      | Cf                      | Cs |
| 7.5m<br>24'   |   | *10050 kg<br>*22,200 lb | 7200 kg<br>15,900 lb |                      |                                    | *10100 kg<br>*22,300 lb | 8500 kg<br>18,700 lb            |                         |                       |                          |                       |                         |                         |    |
| 6.0m<br>19'   |   | 8900 kg<br>19,600 lb    | 5900 kg<br>13,000 lb | 8850 kg<br>19,500 lb | 5900 kg<br>13,000 lb               | *10650 kg<br>*23,400 lb | 8250 kg<br>18,200 lb            |                         |                       |                          |                       |                         |                         |    |
| 4.5m<br>14'   |   | 7900 kg<br>17,400 lb    | 5150 kg<br>11,400 lb | 8650 kg<br>19,100 lb | 5700 kg<br>12,600 lb               | *11600 kg<br>*25,600 lb | 7900 kg<br>17,400 lb            | *14150 kg<br>*31,200 lb | 11400 kg<br>25,100 lb | *18550 kg<br>*40,900 lb  | 18200 kg<br>40,200 lb |                         |                         |    |
| 3.0m<br>9'    |   | 7400 kg<br>16,300 lb    | 4750 kg<br>10,500 lb | 8450 kg<br>18,600 lb | 5500 kg<br>12,100 lb               | 11400 kg<br>25,100 lb   | 7450 kg<br>16,500 lb            | *16300 kg<br>*35,900 lb | 10650 kg<br>23,500 lb |                          |                       |                         |                         |    |
| 1.5m<br>4'    |   | 7250 kg<br>15,900 lb    | 4650 kg<br>10,200 lb | 8200 kg<br>18,100 lb | 5300 kg<br>11,700 lb               | 11000 kg<br>24,300 lb   | 7100 kg<br>15,700 lb            | 15750 kg<br>34,800 lb   | 10000 kg<br>22,100 lb |                          |                       |                         |                         |    |
| 0m<br>0'      |   | 7400 kg<br>16,300 lb    | 4700 kg<br>10,400 lb | 8050 kg<br>17,700 lb | 5150 kg<br>11,300 lb               | 10750 kg<br>23,700 lb   | 6850 kg<br>15,100 lb            | 15350 kg<br>33,800 lb   | 9500 kg<br>21,300 lb  |                          |                       |                         |                         |    |
| -1.5m<br>-4'  |   | 8000 kg<br>17,600 lb    | 5100 kg<br>11,200 lb | 8000 kg<br>17,600 lb | 5100 kg<br>11,200 lb               | 10600 kg<br>23,400 lb   | 6750 kg<br>14,900 lb            | 15200 kg<br>33,500 lb   | 9000 kg<br>21,000 lb  | *22,650 kg<br>*49,900 lb | 15250 kg<br>33,600 lb |                         |                         |    |
| -3.0m<br>-9'  |   | 9250 kg<br>20,400 lb    | 5900 kg<br>13,000 lb |                      |                                    | 10650 kg<br>23,500 lb   | 6800 kg<br>15,000 lb            | 15300 kg<br>33,800 lb   | 9600 kg<br>21,200 lb  | *28350 kg<br>*62,800 lb  | 15450 kg<br>34,100 lb | *22050 kg<br>*48,600 lb | *22050 kg<br>*48,600 lb |    |
| -4.5m<br>-14' |   | *10550 kg<br>*23,200 lb | 7700 kg<br>17,000 lb |                      |                                    | *9500 kg<br>*20,600 lb  | 7050 kg<br>15,500 lb            | *13300 kg<br>*29,300 lb | 9900 kg<br>21,800 lb  | *16700 kg<br>*36,800 lb  | 15650 kg<br>34,500 lb | *19650 kg<br>*43,400 lb | *19650 kg<br>*43,400 lb |    |

\*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.

