HORSEPOWER
Gross: 270 kW 362 HP / 1900 min⁻¹
Net: 257 kW 345 HP / 1900 min⁻¹

OPERATING WEIGHT
47700 – 50600 kg

BUCKET CAPACITY
2.70 – 4.00 m³

Photos may include optional equipment.
HYDRAULIC EXCAVATOR PC500LC-8R

**PRODUCTIVITY, ECOLOGY & ECONOMY**

- Higher Productivity with the Largest Bucket in Class
- Low Fuel Consumption by Total Control of the Engine, Hydraulic and Electronic System
- Low Emission Engine and Low Operation Noise
- Excellent Machine Stability
- Large Digging Force
- Two-mode Setting for Boom
- Variable Track Gauge (Optional)

**COMFORT & SAFETY**

- Large Comfortable Cab
- Automatic Air Conditioner (A/C) (Optional)
- Rear View Monitor System (Optional)

**ICT* & KOMTRAX**

- Large Multi-lingual Liquid Crystal Display (LCD) Monitor
- Equipment Management Monitoring System
- KOMTRAX

**MAINTENANCE & RELIABILITY**

- Easy Maintenance
- Excellent Reliability and Durability

---

**PC500LC-8R**

<table>
<thead>
<tr>
<th>HORSEPOWER</th>
<th>Gross: 270 kW 362 HP / 1900 min⁻¹</th>
<th>Net: 257 kW 345 HP / 1900 min⁻¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPERATING WEIGHT</td>
<td>47700 – 50600 kg</td>
<td></td>
</tr>
<tr>
<td>BUCKET CAPACITY</td>
<td>2.70 – 4.00 m³</td>
<td></td>
</tr>
</tbody>
</table>

Photos may include optional equipment.
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.

**Higher Productivity with the Largest Bucket in Class**

PC500LC-8R is equipped with the largest capacity bucket in Komatsu’s 50 ton class. Less number of bucket passes is required to fill a dump truck, thus productivity is increased.

**Bucket capacity**

\[ 2.70 \text{ m}^3 \]

3380 mm arm, material density up to 1.8 t/m\(^3\)

**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.

**Idling Caution**

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

**High Power Komatsu SAA6D125E-5 Engine**

The PC500LC-8R 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. The SAA6D125E-5 engine is U.S. EPA Tier 2 and EU Stage 2 emissions equivalent. The SAA6D125E-5 engine adopts the electronically controlled heavy duty High Pressure Common Rail (HPCR) fuel injection system.

**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.
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 CO2 emissions and efficient fuel consumption.

Working Modes Selectable

The PC500LC-8R excavator is equipped with five working modes (P, E, L, B and ATT mode). Each mode is designed to match engine speed and pump output to the application. This provides the flexibility to match equipment performance to the job at hand.

<table>
<thead>
<tr>
<th>Working Mode</th>
<th>Application</th>
<th>Advantage</th>
</tr>
</thead>
</table>
| P            | Power mode  | • Maximum production/power  
• Fast cycle times |
| E            | Economy mode| • Good cycle times  
• Better fuel economy |
| L            | Lifting mode| • Suitable attachment speed  
• Lifting capacity is increased 7% by raising hydraulic pressure. |
| B            | Breaker mode| • Optimum engine rpm, hydraulic flow |
| ATT          | Attachment mode | • Optimum engine rpm, hydraulic flow, 2 way |

Large Digging Force

When press the left knob switch which is called the one-touch power max. switch and when it is kept pressed, this function temporarily increases digging force for 8.5 seconds of operation.

**Maximum arm crowd force** (ISO 6015):
218 kN (22.2 t) ➞ **233 kN (23.8 t)** 7% UP (With Power Max.)

**Maximum bucket digging force** (ISO 6015):
259 kN (26.4 t) ➞ **278 kN (28.3 t)** 7% UP (With Power Max.)

Measured with Power Max. function, 3380 mm arm and ISO 6015 rating.

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.

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.

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.
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.

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.

Optional air conditioner (A/C), air filter and a higher internal air pressure minimize external dust from entering the cab.
SAFETY

Operator's Cab
The machine is equipped with an operator’s cab that conforms to OPG top guard level 1 (ISO 10262) for falling objects. The cab has high shock-absorption performance, featuring excellent durability and impact strength.

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

Rear View Monitor System (Optional)
The operator can view the rear of the machine with a color monitor screen.

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 and Handrail
Large serrated steps
Large handrail

Slip-resistant Plates
Highly durable slip-resistant plates maintain superior traction performance for the long term.
**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 LCD 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.

**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 the LCD when the replacement interval is reached.

- **Trouble data memory function**
  Monitor stores abnormalities for effective troubleshooting.

---

**Indicators**

<table>
<thead>
<tr>
<th>#</th>
<th>Indicator</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Auto-decelerator</td>
</tr>
<tr>
<td>2</td>
<td>Working mode</td>
</tr>
<tr>
<td>3</td>
<td>Travel speed</td>
</tr>
<tr>
<td>4</td>
<td>Engine water temperature gauge</td>
</tr>
<tr>
<td>5</td>
<td>Hydraulic oil temperature gauge</td>
</tr>
<tr>
<td>6</td>
<td>Fuel gauge</td>
</tr>
<tr>
<td>7</td>
<td>ECO gauge</td>
</tr>
<tr>
<td>8</td>
<td>Function switches menu</td>
</tr>
</tbody>
</table>

**Basic operation switches**

<table>
<thead>
<tr>
<th>#</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Auto-decelerator</td>
</tr>
<tr>
<td>2</td>
<td>Working mode selector</td>
</tr>
<tr>
<td>3</td>
<td>Traveling selector</td>
</tr>
<tr>
<td>4</td>
<td>Buzzer cancel</td>
</tr>
<tr>
<td>5</td>
<td>Wiper</td>
</tr>
<tr>
<td>6</td>
<td>Windshield washer</td>
</tr>
</tbody>
</table>
KOMTRAX

Assists Customer’s Equipment Management and Contributes to Fuel Cost Cutting

Equipment Management Support

KOMTRAX terminal installed on your machine collects and sends information such as machine location, working record, machine conditions, etc. using wireless communication. You can review the KOMTRAX data remotely via the online application. KOMTRAX not only gives you the informations on your machine, but also the convenience of managing your fleet on the Web.

Energy-saving Operation Support Report

KOMTRAX can provide various useful information which includes the energy-saving operation support report created based on the operating information of your machine such as fuel consumption and idle time.
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.

Large Serrated Steps

On both right and left track frames are fixed with wider steps for easier maintenance.

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.

<table>
<thead>
<tr>
<th>Maintenance Item</th>
<th>Interval</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine oil &amp; Engine oil filter</td>
<td>every 500 hours</td>
</tr>
<tr>
<td>Hydraulic oil</td>
<td>every 5000 hours</td>
</tr>
<tr>
<td>Hydraulic oil filter</td>
<td>every 1000 hours</td>
</tr>
</tbody>
</table>

Electric Priming Pump

Bleeding air from fuel system is easily accomplished with the electric priming pump.

Long Work Equipment Greasing Interval (Optional)

High quality 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.

Easy Radiator Cleaning

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

**PC500LC-8R**

**RELIABILITY**

**Larger Undercarriage**

PC500LC-8R employs undercarriage of PC450LC-8 one size larger with longer service life.

---

**Water Separator**

Removes water from the fuel and improves the reliability of fuel systems.

---

**Grease Sealed Track**

PC500LC-8R uses grease sealed tracks for extended undercarriage life.

---

**Larger Track Link with Strut**

PC500LC-8R uses track links with strut, providing superb durability.

---

**High Rigidity Work Equipment**

Boom and arms are constructed of thick plates of high tensile strength steel. In addition, these structures are designed with large cross-sectional areas and generous use of castings. The result is working attachments that exhibit long term durability and high resistance to bending and torsional stress.

---

**Sturdy Frame Structure**

The revolving frame, center frame and undercarriage are designed by using the most advanced three-dimensional CAD and Finite Element Method (FEM) analysis technology.

---

**High Pressure In-line Filter**

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

---

**Equipped with Fuel Pre-filter (With Water Separator)**

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

---

**Highly Reliable Electronic Devices**

Exclusively designed electronic devices have passed severe testing.

- Controller
- Sensors
- Connectors
- Heat resistant wiring

---

**Reliable Components**

All of the major machine components, such as engine, hydraulic pumps, hydraulic motors and control valves are exclusively designed and manufactured by Komatsu.
**BUCKET SELECTION**

### Larger Bucket Selection

#### Bucket Line-up

<table>
<thead>
<tr>
<th></th>
<th>7.06 m Boom</th>
<th>6.67 m SE Boom</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Capacity</strong></td>
<td>2.70 m³</td>
<td>3.10 m³</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>1700 mm</td>
<td>1440 mm</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>2070 kg</td>
<td>3090 kg</td>
</tr>
<tr>
<td><strong>Material Density</strong></td>
<td>Horizontal</td>
<td>Horizontal / KMAX</td>
</tr>
<tr>
<td><strong>Tooth Type</strong></td>
<td>Horizontal</td>
<td>Horizontal</td>
</tr>
</tbody>
</table>

- **Material Density:**
  - Material density up to 1.8 t/m³
  - Material density up to 1.5 t/m³

#### Quarry Bucket and Work Equipment

PC500LC-8R bucket is designed exclusively for quarry use and is higher strength for wear. Various parts of work equipment are also strengthened.

- **Bottom wear plate:** 19 mm thickness high-tensile strength steel used.
- **Side shrouds**
- **Side reinforcement plates:** 16 mm thickness high-tensile strength steel used.
- **Corner tooth adapters**
- **Long life bucket teeth**
- **Lip shrouds**
Feature of [PAB Tooth] (Pin And Bushing system Tooth)

- Able to fit on the bucket with horizontal pin type adapter
- Easy change-out only with a ratchet wrench
- Longer tooth life by easy rotation and turnover
- Durable and reusable PAB pin with flat surface

Limited to where horizontal pin type tooth is mainly used.

PAB Tooth Line-up

<table>
<thead>
<tr>
<th>Type</th>
<th>Style</th>
</tr>
</thead>
<tbody>
<tr>
<td>Integrated Long Life</td>
<td>IL</td>
</tr>
<tr>
<td>Heavy Standard</td>
<td>HS</td>
</tr>
<tr>
<td>Heavy Rock</td>
<td>HR</td>
</tr>
</tbody>
</table>

Feature of KMAX Tooth System

- Better penetration and cycle times
- Unique reusable fastener
- Hardness throughout the tooth
- Less “throw away” waste
- Unique high strength design
- Fast tooth changeover

KMAX Tooth Line-up

<table>
<thead>
<tr>
<th>Feature</th>
<th>Style</th>
</tr>
</thead>
<tbody>
<tr>
<td>F</td>
<td>Flare: Loose material for clean bottom and greater fill</td>
</tr>
<tr>
<td>SYL</td>
<td>Standard: General applications</td>
</tr>
<tr>
<td>SD</td>
<td>Chisel: General purpose tooth Designed for penetration</td>
</tr>
<tr>
<td>RC</td>
<td>Rock Chisel: Designed for penetration and long wear life</td>
</tr>
<tr>
<td>T</td>
<td>Tiger: Designed for good penetration with ribs for strength</td>
</tr>
<tr>
<td>TV</td>
<td>Tiger: Offers best penetration in tight material</td>
</tr>
<tr>
<td>UT</td>
<td>Twin Tiger: Offers longer life penetration for corners</td>
</tr>
<tr>
<td>WT</td>
<td>Twin Tiger: Designed for penetration for corners</td>
</tr>
</tbody>
</table>

Some application may not have been available in your country or region. If you are interested in such application, please contact a KOMATSU office near you.
Komatsu Genuine Attachment Tool

Komatsu-recommended attachment tools for hydraulic excavators
A wide range of attachment tools are provided to suit customers’ specific applications.

Hydraulic breaker
The hydraulic breaker is an attachment tool used for crushing rock beds and paved surfaces, demolishing concrete structures, etc. The large gas chamber, ideal gas pressure ratio, and long-stroke piston deliver a powerful impact force. Since the breaker unit does not require an accumulator, the number of parts has been reduced, resulting in lower maintenance costs.
OPTIONS

- Cab front full height guard level 1 (ISO 10262)
- Cab front full height guard level 2 (ISO 10262)
- Additional front lights
- OPG top guard level 2 (ISO 10262)
- Strengthened track frame undercover
- Additional piping
- Full roller guard
- Air pre-cleaner
- Seat, suspension
- Sun visor
- Fixed one-piece laminated front window glass
  The front window is fixed and uses laminated safety glass to prevent scattering of glass fragments when broken.
- Fixed skylight and sun-shade
- Sun visor
- Rain visor
- Full roller guard
- Seat, suspension
- Sun visor
- Fixed one-piece laminated front window glass
  The front window is fixed and uses laminated safety glass to prevent scattering of glass fragments when broken.

The front window is fixed and uses laminated safety glass to prevent scattering of glass fragments when broken.
To keep your machine available and minimize operation cost when you need it, Komatsu Distributor is ready to provide variety of support before and after procuring the machine.

**Fleet recommendation**
Komatsu Distributor can study customer job site and provide the most optimum fleet recommendation with detailed information to meet all of your application needs when you are considering to buy new machines or to replace the existing ones from Komatsu.

**Technical support**
Komatsu product support service (Technical support) are designed to help customer. Komatsu Distributor offers a variety of effective services how much Komatsu is dedicated to the maintenance and support of Komatsu machine.
- Preventive Maintenance (PM) clinic
- Oil & Wear analysis program
- Undercarriage inspection service, etc.

**Product support**
Komatsu Distributor secure the certain quality of machine will be delivered.

**Parts availability**
Komatsu Distributor is available for emergency inquiry by the customers for genuine, quality guaranteed Komatsu parts.

**Repair & maintenance service**
Komatsu Distributor offers quality repair service, periodical maintenance, and maintenance service to the customer, utilizing and promoting Komatsu developed programs.

**Komatsu Reman (Remanufactured) components**
Komatsu Reman products are the result of the implementation of the Komatsu global Reman policy which establishes and agrees to reduce the owning, operating and total Life Cycle Costs (LCC) to Komatsu’s customer through prompt delivery, high quality and competitively priced in own remanufactured products (QDC).
**SPECIFICATIONS**

**ENGINE**

- **Model**: Komatsu SAA6D125E-5
- **Type**: Water-cooled, 4-cycle, direct injection
- **Aspiration**: Turbocharged, aftercooled
- **Number of cylinders**: 6
- **Bore**: 125 mm
- **Stroke**: 150 mm
- **Piston displacement**: 11.04 L
- **Horsepower**:
  - SAE J1995: Gross 270 kW 362 HP
  - ISO 9249 / SAE J1349: Net 257 kW 345 HP
- **Rated rpm**: 1900 min⁻¹
- **Fan drive method for radiator cooling**: Mechanical
- **Governor**: All-speed control, electronic
- **U.S. EPA Tier 2 and EU Stage 2 emissions equivalent.**

**HYDRAULICS**

- **Type**: HydrauMind (Hydraulic Mechanical Intelligence New Design) system, closed-center system with load sensing valves and pressure compensated valves
- **Number of selectable working modes**: 4
- **Main pump**:
  - **Type**: Variable displacement piston type
  - **Pumps for**: Boom, arm, bucket, swing, and travel circuits
  - **Maximum flow**: 690 L/min
- **Supply for control circuit**: Self-reducing valve
- **Hydraulic motors**:
  - **Travel**: 2 x axial piston motor with parking brake
  - **Swing**: 1 x axial piston motor with swing holding brake
- **Relief valve setting**:
  - **Implement circuits**: 37.3 MPa 380 kg/cm²
  - **Travel circuit**: 37.3 MPa 380 kg/cm²
  - **Swing circuit**: 27.9 MPa 285 kg/cm²
  - **Pilot circuit**: 3.2 MPa 33 kg/cm²
- **Hydraulic cylinders**:
  - **(Number of cylinders – bore x stroke x rod diameter)**:
    - **Boom**: 2–160 mm x 1570 mm x 110 mm
    - **Arm**: Std 1–185 mm x 1985 mm x 130 mm
    - **SE**: 1–185 mm x 1820 mm x 120 mm
    - **Bucket**: Std 1–160 mm x 1270 mm x 110 mm
    - **SE**: 1–185 mm x 1160 mm x 120 mm

**DRIVES AND BRAKES**

- **Steering control**: Two levers with pedals
- **Drive method**: Hydrostatic
- **Maximum drawbar pull**: 330 kN 33700 kg
- **Gradeability**: 70%, 35°
- **Maximum travel speed**:
  - High: 5.5 km/h
  - (Auto-shift) Mid: 4.2 km/h
  - (Auto-shift) Low: 3.0 km/h
- **Service brake**: Hydraulic lock
- **Parking brake**: Mechanical disc brake

**SWING SYSTEM**

- **Drive method**: Hydrostatic
- **Swing reduction**: Planetary gear
- **Swing circle lubrication**: Grease-bathed
- **Service brake**: Hydraulic lock
- **Holding brake/swing lock**: Mechanical disc brake
- **Swing speed**: 9.1 min⁻¹

**UNDERCARRIAGE**

- **Center frame**: X-frame
- **Track frame**: Box-section
- **Seal of track**: Sealed track
- **Track adjuster**: Hydraulic
- **Number of shoes (Each side)**: 49
- **Number of carrier rollers (Each side)**: 2
- **Number of track rollers (Each side)**: 8

**COOLANT AND LUBRICANT CAPACITY**

- **Fuel tank**: 650 L
- **Coolant**: 36.0 L
- **Engine**: 37.0 L
- **Final drive (Each side)**: 10.5 L
- **Swing drive**: 20.0 L
- **Hydraulic tank**: 248 L

**OPERATING WEIGHT (APPROXIMATE)**

Operating weight including 7060 mm one-piece boom, 3380 mm arm, ISO 7451 heaped 2.70 m³ backhoe bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

<table>
<thead>
<tr>
<th>Shoes</th>
<th>PC500LC-8R</th>
<th>PC500LC-8R SE Spec.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Operating Weight</td>
<td>Ground Pressure</td>
</tr>
<tr>
<td>600 mm</td>
<td>47700 kg</td>
<td>82.6 kPa</td>
</tr>
<tr>
<td>700 mm</td>
<td>48200 kg</td>
<td>71.8 kPa</td>
</tr>
</tbody>
</table>

Operating weight including 6670 mm one-piece boom, 2400 mm arm, ISO 7451 heaped 3.10 m³ backhoe bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

<table>
<thead>
<tr>
<th>Shoes</th>
<th>PC500LC-8R SE Spec.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Operating Weight</td>
</tr>
<tr>
<td>600 mm</td>
<td>48900 kg</td>
</tr>
<tr>
<td>700 mm</td>
<td>49400 kg</td>
</tr>
</tbody>
</table>
### Dimensions & Working Range

<table>
<thead>
<tr>
<th>Model</th>
<th>PC500LC-8R</th>
<th>PC500LC-8R SE Spec.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Boom Length</strong></td>
<td>7060 mm</td>
<td>8670 mm</td>
</tr>
<tr>
<td><strong>Arm Length</strong></td>
<td>3380 mm</td>
<td>2400 mm</td>
</tr>
<tr>
<td><strong>A</strong> Overall length</td>
<td>12035 mm</td>
<td>11625 mm</td>
</tr>
<tr>
<td><strong>B</strong> Length on ground</td>
<td>6640 mm</td>
<td>8070 mm</td>
</tr>
<tr>
<td><strong>C</strong> Overall height (To top of boom)*</td>
<td>3655 mm</td>
<td>3735 mm</td>
</tr>
<tr>
<td><strong>D</strong> Overall width</td>
<td>3560 mm</td>
<td></td>
</tr>
<tr>
<td><strong>E</strong> Overall height (To top of cab)*</td>
<td>3315 mm</td>
<td></td>
</tr>
<tr>
<td><strong>F</strong> Ground clearance, counterweight</td>
<td>1330 mm</td>
<td></td>
</tr>
<tr>
<td><strong>G</strong> Ground clearance (Minimum)</td>
<td>565 mm</td>
<td></td>
</tr>
<tr>
<td><strong>H</strong> Tail swing radius</td>
<td>3645 mm</td>
<td></td>
</tr>
<tr>
<td><strong>I</strong> Track length on ground</td>
<td>4350 mm</td>
<td></td>
</tr>
<tr>
<td><strong>J</strong> Track length</td>
<td>5385 mm</td>
<td></td>
</tr>
<tr>
<td><strong>K</strong> Track gauge</td>
<td>2740 mm</td>
<td></td>
</tr>
<tr>
<td><strong>L</strong> Width of crawler</td>
<td>3340 mm</td>
<td></td>
</tr>
<tr>
<td><strong>M</strong> Shoe width</td>
<td>600 mm</td>
<td></td>
</tr>
<tr>
<td><strong>N</strong> Grouser height</td>
<td>37 mm</td>
<td></td>
</tr>
<tr>
<td><strong>O</strong> Machine cab height</td>
<td>2985 mm</td>
<td></td>
</tr>
<tr>
<td><strong>P</strong> Machine cab width</td>
<td>3165 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Q</strong> Distance, swing center to rear end</td>
<td>3605 mm</td>
<td></td>
</tr>
<tr>
<td><strong>R</strong> Max. digging height</td>
<td>11145 mm</td>
<td>9220 mm</td>
</tr>
<tr>
<td><strong>S</strong> Max. dumping height</td>
<td>7505 mm</td>
<td>6075 mm</td>
</tr>
<tr>
<td><strong>T</strong> Max. digging depth</td>
<td>7910 mm</td>
<td>6540 mm</td>
</tr>
<tr>
<td><strong>U</strong> Max. vertical wall digging depth</td>
<td>4580 mm</td>
<td>2000 mm</td>
</tr>
<tr>
<td><strong>V</strong> Max. digging depth of cut for 2440 mm level</td>
<td>7770 mm</td>
<td>6370 mm</td>
</tr>
<tr>
<td><strong>W</strong> Max. digging reach</td>
<td>12195 mm</td>
<td>10950 mm</td>
</tr>
<tr>
<td><strong>X</strong> Max. digging reach at ground level</td>
<td>11975 mm</td>
<td>10700 mm</td>
</tr>
<tr>
<td><strong>Y</strong> Min. swing radius</td>
<td>4820 mm</td>
<td>5080 mm</td>
</tr>
<tr>
<td><strong>SAE 1719 Rating</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bucket digging force at power max.</td>
<td>243 kN</td>
<td>280 kN</td>
</tr>
<tr>
<td>Arm crowd force at power max.</td>
<td>225 kN</td>
<td>261 kN</td>
</tr>
<tr>
<td><strong>ISO 6015 Rating</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bucket digging force at power max.</td>
<td>278 kN</td>
<td>308 kN</td>
</tr>
<tr>
<td>Arm crowd force at power max.</td>
<td>233 kN</td>
<td>269 kN</td>
</tr>
</tbody>
</table>

* Including grouser height
## LIFTING CAPACITY WITH LIFTING MODE

### PC500LC-8R

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

### PC500LC-8R Boom: 7060 mm Arm: 3380 mm Bucket: 2.70 m³ ISO 7451 heaped Shoe: 600 mm triple grouser

<table>
<thead>
<tr>
<th>B</th>
<th>MAX</th>
<th>9.0 m</th>
<th>7.5 m</th>
<th>6.0 m</th>
<th>4.5 m</th>
<th>3.0 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.5 m</td>
<td>Cf</td>
<td>Cs</td>
<td>Cf</td>
<td>Cs</td>
<td>Cf</td>
<td>Cs</td>
</tr>
<tr>
<td>6.0 m</td>
<td>*5820 kg</td>
<td>*5820 kg</td>
<td>5820 kg</td>
<td>5860 kg</td>
<td>6810 kg</td>
<td>*9450 kg</td>
</tr>
<tr>
<td>4.5 m</td>
<td>*6040 kg</td>
<td>*5180 kg</td>
<td>*9100 kg</td>
<td>6620 kg</td>
<td>*10430 kg</td>
<td>9210 kg</td>
</tr>
<tr>
<td>3.0 m</td>
<td>*6460 kg</td>
<td>4840 kg</td>
<td>*9680 kg</td>
<td>6360 kg</td>
<td>*11600 kg</td>
<td>8730 kg</td>
</tr>
<tr>
<td>1.5 m</td>
<td>*7120 kg</td>
<td>4720 kg</td>
<td>*10240 kg</td>
<td>6110 kg</td>
<td>*12530 kg</td>
<td>8320 kg</td>
</tr>
<tr>
<td>0 m</td>
<td>*9140 kg</td>
<td>4820 kg</td>
<td>10170 kg</td>
<td>5920 kg</td>
<td>*13040 kg</td>
<td>8020 kg</td>
</tr>
<tr>
<td>-1.5 m</td>
<td>8980 kg</td>
<td>5180 kg</td>
<td>10070 kg</td>
<td>5830 kg</td>
<td>12890 kg</td>
<td>7850 kg</td>
</tr>
<tr>
<td>-3.0 m</td>
<td>9110 kg</td>
<td>5890 kg</td>
<td>*9150 kg</td>
<td>5880 kg</td>
<td>*12140 kg</td>
<td>7830 kg</td>
</tr>
<tr>
<td>-4.5 m</td>
<td>*8890 kg</td>
<td>7480 kg</td>
<td>*10020 kg</td>
<td>7990 kg</td>
<td>*13440 kg</td>
<td>11390 kg</td>
</tr>
<tr>
<td>-6.0 m</td>
<td>*9250 kg</td>
<td>*7750 kg</td>
<td>*8980 kg</td>
<td>*8880 kg</td>
<td>*12080 kg</td>
<td>*12080 kg</td>
</tr>
</tbody>
</table>

* Load is limited by hydraulic capacity rather than tipping. Ratings are based on SAE J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

### PC500LC-8R SE Spec.

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

### PC500LC-8R SE Spec. 
Boom: 6670 mm Arm: 2400 mm Bucket: 3.10 m³ ISO 7451 heaped Shoe: 600 mm triple grouser

<table>
<thead>
<tr>
<th>B</th>
<th>MAX</th>
<th>9.0 m</th>
<th>7.5 m</th>
<th>6.0 m</th>
<th>4.5 m</th>
<th>3.0 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.5 m</td>
<td>Cf</td>
<td>Cs</td>
<td>Cf</td>
<td>Cs</td>
<td>Cf</td>
<td>Cs</td>
</tr>
<tr>
<td>6.0 m</td>
<td>*9790 kg</td>
<td>6980 kg</td>
<td>*10290 kg</td>
<td>8630 kg</td>
<td>*11980 kg</td>
<td>*11980 kg</td>
</tr>
<tr>
<td>4.5 m</td>
<td>*9690 kg</td>
<td>6000 kg</td>
<td>*11000 kg</td>
<td>8300 kg</td>
<td>*13630 kg</td>
<td>*12560 kg</td>
</tr>
<tr>
<td>3.0 m</td>
<td>*9710 kg</td>
<td>5520 kg</td>
<td>*11840 kg</td>
<td>7990 kg</td>
<td>*15520 kg</td>
<td>11380 kg</td>
</tr>
<tr>
<td>1.5 m</td>
<td>*9610 kg</td>
<td>5390 kg</td>
<td>*9660 kg</td>
<td>5400 kg</td>
<td>*12510 kg</td>
<td>7700 kg</td>
</tr>
<tr>
<td>0 m</td>
<td>*9680 kg</td>
<td>5620 kg</td>
<td>*9460 kg</td>
<td>5300 kg</td>
<td>*12520 kg</td>
<td>7480 kg</td>
</tr>
<tr>
<td>-1.5 m</td>
<td>*9870 kg</td>
<td>6290 kg</td>
<td>*11700 kg</td>
<td>7430 kg</td>
<td>*15550 kg</td>
<td>10850 kg</td>
</tr>
<tr>
<td>-3.0 m</td>
<td>*9550 kg</td>
<td>7760 kg</td>
<td>*9080 kg</td>
<td>7470 kg</td>
<td>*13260 kg</td>
<td>10990 kg</td>
</tr>
<tr>
<td>-4.5 m</td>
<td>*8220 kg</td>
<td>*8220 kg</td>
<td>*8640 kg</td>
<td>*8640 kg</td>
<td>*11870 kg</td>
<td>*11870 kg</td>
</tr>
</tbody>
</table>

* Load is limited by hydraulic capacity rather than tipping. Ratings are based on SAE J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.
## STANDARD EQUIPMENT

### ENGINE:
- Automatic engine warm-up system
- Dry type air cleaner, double element
- Electric priming pump
- Engine, Komatsu SAA6D125E-5
- Engine overheat prevention system
- Fuel pre-filter (With water separator)
- Radiator and oil cooler dust proof net
- Water separator

### ELECTRICAL SYSTEM:
- Alternator, 24 V/50 A
- Auto-decelerator
- Batteries, 2 X 12 V/110 Ah
- Working light, 2 (Boom and RH)

### HYDRAULIC SYSTEM:
- Boom holding valve
- Long lubricating intervals for implement bushings
- Power maximizing system
- Pressure Proportional Control (PPC) hydraulic control system
- Two-mode setting for boom
- Working mode selection system

### GUARDS AND COVERS:
- Fan guard structure
- Track roller guards (Full length)

### UNDERCARRIAGE:
- Hydraulic track adjusters (Each side)
- Track roller
  - 8 each side
- Track shoe
  - 600 mm triple grouser

### OPERATOR ENVIRONMENT:
- Large multi-lingual LCD monitor
- Rear view mirrors (RH and LH)
- Seat belt, retractable

### OTHER EQUIPMENT:
- Counterweight, 10500 kg
- Electric horn
- Rear reflector
- Slip-resistant plates
- Travel alarm

## OPTIONAL EQUIPMENT

### ELECTRICAL SYSTEM:
- Alternator, 24 V/60 A
- Batteries, 2 X 12 V/140 Ah
- Working lights (2 on cab)

### HYDRAULIC SYSTEM:
- Attachment piping
- Service valve

### UNDERCARRIAGE:
- Shoes, triple grouser shoes
  - 700 mm
- Track frame undercover
- Variable track gauge

### OPERATOR ENVIRONMENT:
- A/C with defroster
- Bolt-on top guard, OPG top guard level 2 (ISO 10262)
- Cab accessories
  - Rain visor
  - Sun visor
- Cab front guard
  - Full height guard, OPG level 1 (ISO 10262)
  - Full height guard, OPG level 2 (ISO 10262)
- Half height guard
- Heater with defroster
- Rear view mirror (Rear and sidewise)
- Rear view monitor system
- Seat, suspension
- Seat, suspension with heater

### WORK EQUIPMENT:
- Arms
  - PC500LC-8R
  - 3380 mm arm assembly
  - PC500LC-8R SE spec.
  - 2400 mm SE arm assembly
- Booms (Backhoe)
  - PC500LC-8R
  - 7060 mm boom assembly
  - PC500LC-8R SE spec.
  - 6670 mm SE boom assembly

### OTHER EQUIPMENT:
- Fuel refill pump
- Pre-cleaner