STANDARD EQUIPMENT

- Alternator, 35 Ampere, 24 V
- Anti-slip plates
- Auto-decel
- Automatic engine warm-up system
- Batteries, 110 Ah x 2 12 V
- Boom holding valve
- Cab, CPFG top guard level 2 capable with optional bolt-on top guard
- Counterweight
- Dry type air cleaner, double element
- Electric horn
- EMMS monitoring system
- Engine, Komatsu SAA6D107E-1
- Engine overheat prevention system
- Fan guard structure
- Hydraulic track adjusters (each side)
- Multi-function color monitor
- Power maximizing system
- PPC hydraulic control system
- Radiator and oil cooler dust proof net
- Rear reflector
- Reaview mirrors (RH, LH, rear, sidewise)
- Starting motor, 4.5 kW/24 V x 1
- Suction fan
- Track guiding guard, center section
- Track roller
- Track shoe—PC200-8, 7 each side—PC200LC-8, 9 each side
- Track shoe—PC200-8, 600 mm 24” triple grouser—PC200LC-8, 700 mm 28” triple grouser
- Travel alarm
- Working light, 2 (boom and RH)
- Working mode selection system

OPTIONAL EQUIPMENT

- Additional filter system for poor-quality fuel
- Air conditioner with defroster
- Alternator, 60 Ampere, 24 V
- Arms—2925 mm 9’7” arm assembly—2410 mm 7’11” arm assembly—1840 mm 6’0” arm assembly
- Batteries, large capacity
- Bolt-on top guard, [Operator Protective Guards level 2]
- Boom, 5700 mm 18’8”
- Cab accessories—Rain visor—Sun visor
- Cab front guard—Full height guard—Half height guard
- Heater with defroster
- Long lubricating intervals for work equipment bushing (500 hours)
- Multi-function color monitor
- Power maximizing system
- PPC hydraulic control system
- Radiator and oil cooler dust proof net
- Rear view monitoring system
- Seat belt, retractable
- Seat, suspension
- Service valve
- Shoes, triple grouser—PC200-8: 500 mm 20”, 700 mm 28”, 800 mm 31.5”—PC200LC-8: 600 mm 24”, 800 mm 31.5”, 900 mm 35.5”
- Track frame undercover
- Track roller guards (full length)
- Working lights—2 on cab—1 on counterweight

SPECIAL PURPOSE BUCKET

- Ditch cleaning bucket
  —Capacity
  —SAE heaped: 0.80 m³ 1.05 yd³
  —CECE heaped: 0.70 m³ 0.92 yd³
  —Width: 1800 mm 70.9”
- Trapezoidal bucket is ideal for digging ditches and for drainage works
  —Capacity
  —SAE heaped: 0.7 m³ 0.92 yd³
  —CECE heaped: 0.5 m³ 0.65 yd³

- Slope finishing bucket for scraping slopes of banks
  —Capacity
  —SAE heaped: 0.40 m³ 0.52 yd³
  —CECE heaped: 0.35 m³ 0.46 yd³
  —Width: 2000 mm 78.7”

- Ripper bucket for hard and rock ground
  —Capacity
  —SAE heaped: 0.62 m³ 0.81 yd³
  —CECE heaped: 0.58 m³ 0.73 yd³
  —Width: 990 mm 39.0”
- Single-shank ripper and three-shank ripper are recommended for rock-digging and crushing, hard soil digging, pavement removal works, etc.
**HORSEPOWER**

Gross: 116 kW
155 HP @ 2000 rpm

Net: 110 kW
148 HP @ 2000 rpm

**OPERATING WEIGHT**

PC200-8: 19400 – 20010 kg
42,770 – 44,110 lb

PC200LC-8: 20630 – 21460 kg
45,480 – 47,310 lb

**BUCKET CAPACITY**

0.50 – 1.17 m³
0.65 – 1.53 yd³

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**WALK-AROUND**

**Ecology and Economy Features**

- Low fuel consumption by total control of the engine, hydraulic and electronic system.
- Low emission engine
  - A powerful, turbocharged and air-to-air aftercooled Komatsu SAA6D107E-1 provides 110 kW 148 HP. This engine meets EPA Tier 3 and EU Stage 3A emissions certified, without sacrificing power or machine productivity.
  - Economy mode improves fuel consumption.
  - Eco-gauge for energy-saving operations
  - Extended idling caution for fuel conservation
- Low operation noise
  - The dynamic noise is lowered by 2 dB compared with the PC200-7, realizing a low noise operation.

**Large TFT LCD monitor**

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

**Large Comfortable Cab**

- Low-noise cab, similar to passenger car
- 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.

**Easy Maintenance**

- Long replacement interval of engine oil, engine oil filter, and hydraulic filter
- Remote mounted engine oil filter and fuel drain valve for easy access
- Equipped with the fuel pre-filter as standard (with water separator)
- Side-by-side cooling concept enables individual cooling modules to be serviced.
- Equipped with the EMMS monitoring system

See page 9.

See page 8.

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**Safety Design**

- Cab dedicated to hydraulic excavator for protecting the operator in the event of a roll over accident.
- Anti-slip plates for safe work on machine
- Safety enhancement with large side-view, sidewise, and rear mirrors added.
- Rear view monitoring system for easy checking behind the machine (optional)
- OPG top guard level 2 capable with optional bolt-on top guard.

See page 7.

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Photo may include optional equipment.
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.

Low Emission Engine
Komatsu SAA6D107E-1 meets EPA, Tier 3 and EU Stage 3A emissions certified and reduced NOx emission by 29% compared with the PC200-7.

Low Operation Noise
Enables a low noise operation using the low-noise engine and methods to cut noise at source.

Fuel consumption 10% reduced
Compared with the PC200-7 at P mode and 100% working efficiency. Fuel consumption varies depending on job conditions.

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.
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 similar to that of a passenger car.

Low Vibration with Cab Damper Mounting
PC200-8 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. De-foaster function keeps front glass clear.

Safety Features

Cab Dedicated to Hydraulic Excavator
The cab is designed specifically for hydraulic excavators and gains reinforced strength from the pipe-structured cab framework. The cab 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 during a roll over.

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

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

Large Side-view, Rear, and Sidewise Mirrors
Enlarged left-side mirror and addition of rear and side mirror allow the PC200-8 to meet the new ISO visibility requirements.

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

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Anti-slip Plates
Highly durable anti-slip 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 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.

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 | Maximum production power, Fast cycle time
E | Economy mode | Excellent fuel economy
L | Lifting mode | Hydraulic pressure is increased by 7%
B | Breaker operation | Optimum engine rpm, hydraulic flow
ATT | Attachment mode | Optimum engine rpm, hydraulic flow, 2 way

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.

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 made of aluminum have high cooling efficiency and are easily recycled.

Easy Access to Engine Oil Filter and Fuel Drain Valve

Engine oil 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)

Washable Cab Floormat

The PC200-8’s cab floormat is easy to keep clean. The gently inclined surface has a flanged floormat and drainage holes to facilitate runoff.

Washing Cab Floormat

The PC200-8’s cab floormat is easy to keep clean. The gently inclined surface has a flanged floormat and drainage holes to facilitate runoff.

Large-capacity Fuel Tank and Rustproof Treatment


EMMS (Equipment Management Monitoring System)

Monitor Function

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Washable Cab Floormat

The PC200-8’s cab floormat is easy to keep clean. The gently inclined surface has a flanged floormat and drainage holes to facilitate runoff.

Sloping Track Frame

Prevents dirt and sand from accumulating and allows easy mud removal.

Gas Assisted Engine Hood Damper Cylinders

The engine hood can be easily opened and closed with the assistance of the gas assisted engine hood damper cylinders.

Long-life Oil, Filter

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

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.

Air Conditioner Filter (optional)

The air conditioner filter is removed and installed without the use of tools facilitating filter maintenance.
**PC200-8 HYDRAULIC EXCAVATOR**

### SPECIFICATIONS

**ENGINE**
- Model: Komatsu SAA6D107E-1
- Type: Water-cooled, 4-cylinder, direct injection
- aspiration: Turbocharged, aftercooled
- Number of cylinders: 6
- Bore: 107 mm
- Stroke: 124 mm
- Piston displacement: 6.69 l
- Horsepower: SAE J1995
  - Gross: 116 kW
  - Net: 104 kW
- Speed: 2800 rpm
- Fan drive for radiator cooling

**HYDRAULICS**
- Type: HydraMind (Hydraulic Machine Intelligence New Design) system, closed-center system with load sensing valves and pressure compensated valves
- Number of selectable working modes: 5
- Main pump: Variable displacement piston type
- Pumps for: Boom, arm, bucket, swing, and travel circuits
- Maximum flow: 439 l/min
- Supply for control circuit: Self-reducing valve
- Hydraulic motors:
  - 2 x axial piston motor with parking brake
  - 1 x axial piston motor with swing holding brake

**UNDERCARRIAGE**
- Center frame: X-frame
- Track frame: Box-section
- Seal of track: Sealed track
- Track adjuster: Hydraulic
- Number of shoes (each side): PC200-8: 40, PC200LC-8: 49
- Number of carrier rollers: 2 each side
- Number of track rollers (each side): PC200-8: 7, PC200LC-8: 9

**COOLANT AND LUBRICANT CAPACITY (REFILLING)**
- Fuel tank: 400 l
- Coolant: 20.4 l
- Engine: 23.1 l
- Final drive, each side: 1.37 l
- Swing drive: 6.6 l
- Hydraulic tank: 135 l

**OPERATING WEIGHT (APPROXIMATE)**
- Operating weight including 5700 mm 1'8" one-piece boom, 2925 mm 9'7" arm, SAE heaped 0.80 m³ 1.05 yd³ backhoe bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

**DRIVES AND BRAKES**
- Clutching center:
  - Two loaders with pedestal
- Drive method: Hydrostatic
- Maximum drawbar pull: 178 kN 40,120 lb
- Gradingability: 70%, 35%
- Maximum travel speed:
  - High: 5.5 km/h 3.4 mph
  - Low: 2.0 km/h 1.2 mph
- Service brake: Hydraulic lock
- Parking brake: Mechanical disc brake

**SWING SYSTEM**
- Drive method: Hydrostatic
- Swing reduction:
  - Planetary gear
- Swing circle lubrication:
  - Grease-filled
- Service brake:
  - Hydraulic lock
  - Holding brake: Swing lock
- Mechanical disc brake
- Swing speed: 12.4 rpm

**WORKING RANGE**

**BACKHOE BUCKET, ARM, AND BOOM COMBINATION**

**DIMENSIONS**

- Arm Length:
  - 1840 mm 7'1"
  - 2410 mm 7'11"
  - 2925 mm 9'7""}

**SAE_SAE**

<table>
<thead>
<tr>
<th>Bucket Size</th>
<th>(kg)</th>
<th>(lbs)</th>
<th>With Side Cutters</th>
<th>With Side Cutters</th>
<th>Width</th>
<th>Weight</th>
<th>Number of Teeth</th>
<th>Arm Length</th>
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</thead>
<tbody>
<tr>
<td>0.65 m³</td>
<td>344</td>
<td>759</td>
<td>478 kg 1,060 lb</td>
<td>344 kg 759 lb</td>
<td></td>
<td>1041</td>
<td>150 mm 5.9&quot;</td>
<td>1.9 m 6.2&quot;</td>
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<td>0.80 m³</td>
<td>415</td>
<td>910</td>
<td>525 kg 1,156 lb</td>
<td>415 kg 910 lb</td>
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<td>1041</td>
<td>150 mm 5.9&quot;</td>
<td>2.3 m 7.7&quot;</td>
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<tr>
<td>0.95 m³</td>
<td>486</td>
<td>1,077</td>
<td>609 kg 1,335 lb</td>
<td>486 kg 1,077 lb</td>
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<td>1041</td>
<td>150 mm 5.9&quot;</td>
<td>2.7 m 8.7&quot;</td>
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<tr>
<td>1.10 m³</td>
<td>556</td>
<td>1,224</td>
<td>715 kg 1,569 lb</td>
<td>556 kg 1,224 lb</td>
<td></td>
<td>1041</td>
<td>150 mm 5.9&quot;</td>
<td>3.1 m 10.1&quot;</td>
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</tbody>
</table>

- Light duty use, density up to 1.0 ton/m³ 2.2 U.S. tons/yd³
- General purpose use, density up to 1.5 ton/m³ 3.2 U.S. tons/yd³
- Not usable
### PC200-8

<table>
<thead>
<tr>
<th>A: Reach from swing center</th>
<th>B: Bucket hook height</th>
<th>C: Lifting capacity</th>
<th>Cf: Rating over front</th>
<th>Cs: Rating over side</th>
<th>Cf: Rating maximum reach</th>
</tr>
</thead>
</table>

#### Load Capacity

**Conditions:**
- SAE Standard No. J1097
- Load is limited by hydraulic capacity rather than tipping

**Ratings:**
- **PC200-8:** 8,600 mm 24" triple grouser

#### Specifications

<table>
<thead>
<tr>
<th>Conditions</th>
<th>Rating Load (kg)</th>
<th>Lifting Capacity (kg)</th>
<th>Hook Height (mm)</th>
<th>Bucket Hook Height (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0 m</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>1.0 m</td>
<td>3000 kg</td>
<td>2000 kg</td>
<td>7000 mm</td>
<td>5000 mm</td>
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<td>2.0 m</td>
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<td>7000 mm</td>
<td>5000 mm</td>
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<td>10.0 m</td>
<td>10,000 kg</td>
<td>9000 kg</td>
<td>7000 mm</td>
<td>5000 mm</td>
</tr>
</tbody>
</table>

**Note:** Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.