**HORSEPOWER**
- Gross: 110 kW 147 HP / 2000 min⁻¹
- Net: 103 kW 138 HP / 2000 min⁻¹

**OPERATING WEIGHT**
- PC200-8M0: 19800 – 20500 kg
- PC200LC-8M0: 20700 – 21700 kg

**BUCKET CAPACITY**
- 0.50 – 1.17 m³

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**WALK-AROUND**

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**Ecology and Economy Features**
- **Low fuel consumption**: The engine is controlled to minimize fuel consumption. There is a 7% reduction compared to the previous model.
- **Low emission engine**: A powerful, turbocharged and air-to-air aftercooled Komatsu SAA6D107E-1 provides 103 kW 138 HP.
  - Economy mode improves fuel consumption.
  - ECD-gauge for energy-saving operations.
  - Extended idling caution for fuel conservation.
- **Low operation noise**: The low-noise engine reduces noise at source.

---

**Information & Communication Technology**
- Large multi-lingual high resolution LCD monitor
- Supports efficiency improvement
- Equipped with the EMMS monitoring system.

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**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).
- Extended idling caution for fuel conservation.

---

**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. Tailor-made for operations in the appropriate operational posture.

---

**Safety Design**
- ROPS cab (ISO 12117-2) for protecting the operator in the event of a roll-over accident.
- Slip-resistant plates for improved foot grid.
- Rear view monitoring system for viewing the working area to the rear of the machine (optional).

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**Hydraulic Excavator**

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See pages 4 and 5.

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See page 6.

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See page 8.

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See page 9.
Working Modes Selectable
The PC200-8M0 excavator is equipped with six working modes (P, E, L, B, ATT/P and ATT/E 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 |
| B            | Breaker mode | - Optimum engine rpm, hydraulic flow |
| ATT/P        | Attachment Power mode | - Optimum engine rpm, hydraulic flow, 2-way  
                 - Power mode |
| ATT/E        | Attachment Economy mode | - Optimum engine rpm, hydraulic flow, 2-way  
                 - Economy mode |

Low Fuel Consumption
The newly-developed Komatsu SAA6D107E-1 engine enables NOx emissions to be significantly reduced with the accurate multi-staged fuel injection by the engine controller. It improves total engine durability using the high-pressure fuel injection system developed specifically for construction machinery. This excavator significantly reduces hourly fuel consumption using the highly-efficient matching techniques of the engine and hydraulic unit and also provides features that promote energy-saving operations such as the E mode and ECO-gauge.

Fuel consumption 7% reduced vs. PC200-8
Based on typical work pattern collected via KOMTRAX. Fuel consumption varies depending on job conditions.

Working Mode Application Advantage
P Power mode - Maximum production/power  
Fast cycle times
E Economy mode - Good cycle times  
Better fuel economy
L Lifting mode - Suitable attachment speed
B Breaker mode - Optimum engine rpm, hydraulic flow
ATT/P Attachment Power mode - Optimum engine rpm, hydraulic flow, 2-way  
Power mode
ATT/E Attachment Economy mode - Optimum engine rpm, hydraulic flow, 2-way  
Economy mode

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

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\textsubscript{2} emissions and efficient fuel consumption.

Low Emission Engine
Komatsu SAA6D107E-1 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.

ECOLOGY & ECONOMY 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.

Komatsu Technology
- Electronic control technology
- Hydraulic technology
- Engine technology

Komatsu Technology
Seven-inch TFT liquid crystal display
Hydraulic control valve
Flow divide/merge control with EPC
Hydraulic system controller
Electronic control unit for engine

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

ECOLOGY & ECONOMY FEATURES

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ECOLOGY & ECONOMY FEATURES

Low Emission Engine
Komatsu SAA6D107E-1 reduced NOx emission by 29% compared with the PC200-7.
Safety Design

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.

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 PC200-8M0 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.

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

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.

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
PC200-8M0 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.

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.

Pressurized Cab
Optional air conditioner, air filter and a higher internal air pressure minimize external dust from entering the cab.

WORKING ENVIRONMENT

Low Cab Noise
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Low Vibration with Cab Damper Mounting
PC200-8M0 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.
**Supports Efficiency Improvement**

The main screen displays advice for promoting energy-saving operations as needed. The operator can use the ECO Guidance menu to check the Operation Records, ECO Guidance Records, Average Fuel Consumption Logs, etc.

**Equipment Management Monitoring System (EMMS)**

**Monitor Function**

Controller monitors engine oil level, coolant temperature, battery charge air clogging, etc. If the controller finds any abnormality, it is displayed on the LCD.

**Maintenance Function**

The 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.

**Large Multi-lingual High Resolution LCD Monitor**

A large user-friendly high resolution LCD color monitor enables safe, accurate and smooth work. Visibility and resolution are further improved compared with current 7-inch large TFT LCD. Simple and easy to operate switches. Function keys facilitate multi-function operations. Displays data in 25 languages to globally support operators around the world.

**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.

**Washable Cab Floormat**

The PC200-8M0’s cab floormat is easy to keep clean. The gently inclined surface has a flanged floormat and drainage holes to facilitate runoff.

**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 Eco-drain Valve as Standard.**

Prevents clothes and the ground from becoming contaminated due to oil leakage when replacing the engine oil.

**Long-life Oil, Filter**

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

**Washable Cab Floormat**

Large-capacity Fuel Tank and Rustproof Treatment

400-liter high-capacity fuel tank. Effective corrosion resistance using rustproof treatment.

**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.

**Internal Air Filter**

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

**Long-life Oil Filter**

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

**Basic Operation Switches**

1. Air conditioner
2. Working mode selector
3. Traction selector
4. Winch selector
5. Bucket selector
6. Hydraulic oil temperature gauge
7. Fuel gauge
8. Engine oil & filter
9. Fuel consumption gauge
10. Engine oil & filter
11. Monitor function

**Function Switches**

1. ECO guidance
2. ECO guidance menu
3. Operation records
4. Average fuel consumption logs

**Maintenance Function**

The main screen displays advice for promoting energy-saving operations as needed. The operator can use the ECO Guidance menu to check the Operation Records, ECO Guidance Records, Average Fuel Consumption Logs, etc.
**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 110 kW (147 HP), ISO 9249 / SAE J1349: Net 103 kW (138 HP)
- **Rated rpm**: 2000 min⁻¹

### HYDRAULICS
- **Type**: HydraulicMind (Hydraulic Mechanical Intelligence New Design)
- **System**: closed-center system with load sensing valves and pressure compensated valves
- **Number of selectable working modes**: 6
- **Main pump**: Variable displacement piston type
- **Maximum flow**: 439 L/min
- **Supply for control circuit**: Self-reducing valve
- **Hydraulic motors**: 2 x axial piston motor with parking brake
- **Relief valve setting**: 37.3 MPa (380 kg/cm²)
- **Travel circuit**: 3.2 MPa (33 kg/cm²)
- **Swing circuit**: 28.9 MPa (295 kg/cm²)
- **Hydraulic cylinders**: (Number of cylinders - bore x stroke x rod diameter)
  - **Boom**: 2 x 120 mm x 1334 mm x 85 mm
  - **Arm**: 1 x 135 mm x 1490 mm x 95 mm
  - **Bucket for 2.93 m arm**: 1 x 115 mm x 1120 mm x 80 mm
  - **Bucket for 2.41 m arm**: 1 x 125 mm x 1110 mm x 85 mm

### UNDERCARRIAGE
- **Center frame**: X-frame
- **Track frame**: Box-section
- **Sealed track**: Sealed track
- **Number of shoes (each side)**: PC200-8M0: 45, PC200LC-8M0: 49
- **Number of carrier rollers**: 2 each side
- **Number of track rollers (each side)**: PC200-8M0: 7, PC200LC-8M0: 9
- **Ground clearance (minimum)**: PC200-8M0: 440 mm, PC200LC-8M0: 440 mm
- **Machine cab height**: 2095 mm
- **Number of selectable working modes**: 6

### OPERATING WEIGHT (APPROXIMATE)
- **Operating weight including 5700 mm one-piece boom, 2925 mm arm, SAE heaped**: 2525 kg
  - **Boom**: 1800 kg
  - **Arm**: 1325 kg
  - **Bucket**: 900 kg
- **Bucket Capacity (heaped)**: 1.05 m³
- **Bucket Capacity (heaped)**: 0.90 m³
- **Width**: 1330 mm
- **Weight**: 757 kg
- **Number of teeth**: 6
- **Arm Length**: 2.41 m

### COOLANT AND LUBRICANT
- **Fuel tank**: 400 L
- **Coolant**: 20.4 L
- **Brake fluid**: 0.53 L
- **Transmission fluid**: 0.41 L
- **Oil**: 6.5 L
- **Hydraulic oil**: 135 L

### DRIVES AND BRAKES
- **Steering control**: Two levers with pedals
- **Drive method**: Hydrostatic
- **Maximum drawbar pull**: 178 kN (1800 kg)
- **Grades and gradients**: 35°, 20°
- **Maximum travel speed**: High: 5.5 km/h (Auto-Shift), 4.1 km/h (Manual), Low: 3.0 km/h
- **Service brake**: Mechanical disc brake
- **Parking brake**: Mechanical disc brake

### SWING SYSTEM
- **Swing method**: Hydrostatic
- **Swing reduction**: Planetary gear
- **Swing circle radius**: 3.3 m
- **Swing lock**: Hydraulic lock
- **Swing speed**: 12.4 min⁻¹

### UNDERCARRIAGE
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### BACKHOE BUCKET, ARM, AND BOOM COMBINATION
- **Bucket Capacity (heaped)**: 1.05 m³
- **Bucket Capacity (heaped)**: 0.90 m³
- **Width**: 1330 mm
- **Weight**: 757 kg
- **Number of teeth**: 6

### DIMENSIONS
- **Arm Length**: 1460 mm
- **Overall length**: 9480 mm
- **Overall height (to top of booms)**: 2985 mm
- **Overall width**: 2800 mm

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### HYDRAULIC EXCAVATOR

#### WORKING RANGE

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<tr>
<th>Arm</th>
<th>1840 mm</th>
<th>2410 mm</th>
<th>2925 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Max. digging height 8500 mm 9900 mm 10300 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Max. dumping height 8530 mm 9950 mm 10300 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>Max. digging depth 5820 mm 6365 mm 6660 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>Max. vertical wall digging depth 4830 mm 5400 mm 5660 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E</td>
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<td></td>
</tr>
<tr>
<td>F</td>
<td>Max. digging reach at ground level 8865 mm 9390 mm 9700 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>Min. swing radius 3010 mm 3090 mm 3040 mm</td>
<td></td>
<td></td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Bucket digging force</th>
<th>157 kN 138 kN 138 kN</th>
</tr>
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<tbody>
<tr>
<td>at normal.</td>
<td></td>
</tr>
<tr>
<td>Bucket digging force</td>
<td>177 kN 149 kN 149 kN</td>
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<tr>
<td>at power max.</td>
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<tbody>
<tr>
<td>A</td>
<td>Reach from swing center</td>
</tr>
<tr>
<td>B</td>
<td>Bucket hook height</td>
</tr>
<tr>
<td>C</td>
<td>Lifting capacity</td>
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<tr>
<td>D</td>
<td>Rating over front</td>
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<tr>
<td>E</td>
<td>Rating over side</td>
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<td>Rating at maximum reach</td>
</tr>
</tbody>
</table>

**Conditions:**

- 5700 mm one-piece boom
- 0.8 m³ SAE heaped bucket
- Shoe width
  - PC200-8M0 600 mm triple grouser

**Conditions:**

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

**PC200-8M0**

- Arm: 1840 mm
- Bucket: 0.8 m³ SAE heaped
- Shoe: 600 mm triple grouser

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**PC200-8M0**

- Arm: 2410 mm
- Bucket: 0.8 m³ SAE heaped
- Shoe: 600 mm triple grouser

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<td>Max. digging depth at cut for 9' wall 5130 mm 5780 mm 6370 mm</td>
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<td>F</td>
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<td>G</td>
<td>Min. swing radius 3010 mm 3090 mm 3040 mm</td>
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**PC200-8M0**

- Arm: 2925 mm
- Bucket: 0.8 m³ SAE heaped
- Shoe: 600 mm triple grouser

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<td>A</td>
<td>Max. digging height 9530 mm 9800 mm 10000 mm</td>
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<td>B</td>
<td>Max. dumping height 6630 mm 6890 mm 7110 mm</td>
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</tr>
<tr>
<td>C</td>
<td>Max. digging depth 5380 mm 6095 mm 6620 mm</td>
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LIFTING CAPACITY WITH LIFTING MODE

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

Conditions:
● 5700 mm one-piece boom
● 0.8 m³ SAE heaped bucket

STANDARD EQUIPMENT

● Auto-decel
● Automatic engine warm-up system
● Batteries, 110 Ah / 12 V x 2
● Boom holding valve
● Counterweight
● Dry type air cleaner, double element
● Engine, Komatsu SAA6D107E-1
● Engine overheat prevention system
● EMMS monitoring system
● Front view monitoring system
● Full height guard
● General warning system
● Multi-function color monitor
● ROPS cab (ISO 12117-2)
● Service valve
● Slip-resistant plates
● Track roller
● Travel alarm
● Working light, 2 (boom and RH)

OPTIONAL EQUIPMENT

● Batteries, large capacity
● Cabin accessories
—Rain visor
—Sun visor
● Cab front guard
—Half height guard
—Full height guard
● Ditch cleaning bucket
—Capacity
SAE heaped 0.80 m³
CECE heaped 0.40 m³
Width 1800 mm
● Ditch cleaning bucket is ideal for digging ditches and for drainage works —Capacity
SAE heaped 0.7 m³
CECE heaped 0.35 m³
Width 2000 mm
● Engine overheating prevention system
● Fan guard structure
● Hydraulic track adjusters (each side)
● Multi-function color monitor
● Power maximizing system
● Radiator and oil cooler dust proof net
● Rear reflector
● Rearview mirrors (RH, LH, rear, sidewise)
● ROPS cab (ISO 12117-2)
● Slip-resistant plates
● Starting motor, 4.5 kW/24 V

SPECIAL PURPOSE BUCKET

● Alternator, 35 A, 24 V
● Auto-decel
● Automatic engine warm-up system
● Batteries, 110 Ah / 12 V x 2
● Boom holding valve
● Counterweight
● Dry type air cleaner, double element
● Electric horn
● Engine, Komatsu SAA6D107E-1
● Engine overheat prevention system
● Fan guard structure
● Hydraulic track adjusters (each side)
● Multi-function color monitor
● Power maximizing system
● Radiator and oil cooler dust proof net
● Rear reflector
● Rearview mirrors (RH, LH, rear, sidewise)
● ROPS cab (ISO 12117-2)
● Slip-resistant plates
● Starting motor, 4.5 kW/24 V

● Additional filter system for poor-quality fuel
● Air conditioner with defroster
● Air pre-cleaner
● Alternator, 60 A, 24 V
● Arms —2925 mm arm assembly —2410 mm arm assembly —1840 mm arm assembly
● Batteries, large capacity
● Bolt-on top guard, [Operator Protective Guards level 2]
● Boom, 5700 mm

● Battery, 4.5 kwh, 24 v
● Batt-8, size (liters)
● Batteries, large capacity
● Battery, 4.5 kwh, 24 v
● Batt-8, size (liters)

● Service valve
● Shoes, triple grouser —PC200-8M0: 500 mm, 700 mm, 800 mm, 900 mm, 1000 mm
● Track frame undercover
● Track roller guards (full length)
● Track roller guards (half length)
● Working lights —on cab —1 on counterweight

● Batteries, large capacity
● Air pre-cleaner
● Air conditioner with defroster
● Battery, 4.5 kwh, 24 v
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