**STANDARD EQUIPMENT**

- Alternator, 35 Ampere, 24 V
- Auto-decel
- Automatic engine warm-up system
- Batteries, 110 Ah x 12 V
- Boom holding valve
- 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
- Rearview mirrors (RH, LH, rear, sidewise)
- ROPS cab (ISO 12117-2)
- Slip-resistant Plates
- Starting motor, 4.5 kW/24 V x 1
- Suction fan
- Track guiding guard, center section
- Track roller—PC220-8, 8 each side
- Track shoe—PC220-8, 600 mm 24” 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—3045 mm 10’0” arm assembly—2500 mm 8’2” arm assembly—2000 mm 6’7” arm assembly
- Batteries, large capacity
- Bolt-on top guard, [Operator Protective Guards level 2]
- Boom, 5850 mm 19’2”
- 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)
- Rear view monitoring system
- Seat belt, retractable
- Seat, suspension
- Service valve
- Shoes, triple grouser—PC220-8: 700 mm 28”, 800 mm 31.5”—PC220LC-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”
- Slope finishing bucket for scraping slopes of banks
  - Capacity
    - SAE heaped 0.4 m³ 0.52 yd³
    - CECE heaped 0.35 m³ 0.46 yd³
    - Width 2000 mm 78.7”
- Trapezoidal bucket is ideal for digging ditches and for drainage works
  - Capacity
    - SAE heaped 0.7 m³ 0.92 yd³
    - CECE heaped 0.65 m³ 0.85 yd³
- Ripper bucket for hard and rocky ground
  - Capacity
    - SAE heaped 0.62 m³ 0.81 yd³
    - CECE heaped 0.56 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.

Photo may include optional equipment.
Walk-Around

Ecology and Economy Features

- **Low fuel consumption by total control of the engine, hydraulic and electronic system.**
  - Reduces fuel consumption by approx. 10%.
  - (Compared with the PC220-7)

- **Low emission engine**
  - A powerful, turbocharged and air-to-air after-cooled Komatsu SAA6D107E-1 provides 125 kW (168 HP). This engine is 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 PC220-7, realizing a low noise operation.
  - See page 4 and 5.

Large Comfortable Cab

- Low-noise cab, similar to a 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
  - See pages 6.

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.

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.

Safety Design

- ROPS cab (ISO 12117-2)
- Slip-resistant 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)
  - See page 7.

Large HTC 220-8 Hydraulic Excavator

<table>
<thead>
<tr>
<th>HORSEPOWER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gross: 134 kW 179 HP @ 2000 rpm</td>
</tr>
<tr>
<td>Net: 125 kW 168 HP @ 2000 rpm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OPERATING WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>PC220-8: 22900 – 23420 kg 50,490 – 51,630 lb</td>
</tr>
<tr>
<td>PC220LC-8: 24050 – 24610 kg 53,020 – 54,260 lb</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BUCKET CAPACITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.72 – 1.26 m³ 0.94 – 1.65 yd³</td>
</tr>
</tbody>
</table>
HYDRAULIC EXCAVATOR

WALK-AROUND

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**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 engine is EPA Tier 3 and EU Stage 3A emissions certified and reduced NOx emission by 29% compared with the PC220-7.

---

**Low Operation Noise**

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

---

**Idling Caution**

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

---

**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.
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Low Fuel Consumption

The newly-developed Komatsu SAA6D107E-1 [ecot3] 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 10% reduced**

Compared with the PC220-7 at P mode and 100% working efficiency. Fuel consumption varies depending on job conditions.

Low Operation Noise

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

Dynamic noise 2 dB reduced

(Compared with the PC220-7)

Reduced fan speed
Large capacity radiator
Electronically controlled common rail type engine
- Multi-staged injection
- Highly rigid cylinder block

Low noise muffler
Optimal arrangement of sound absorbing materials

Idling Caution

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

Low Emission Engine

Komatsu SAA6D107E-1 engine is EPA Tier 3 and EU Stage 3A emissions certified and reduced NOx emission by 29 % compared with the PC220-7.
**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**
PC220-8 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.

**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. The 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 (+6.0 mm Aq, +0.2”Aq) prevent external dust from entering the cab.

**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.

**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 PC220-8 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.

**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.
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Large LCD Color 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.

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.

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.

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.

Long-life Oil Filter

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

Air Conditioner Filter (optional)

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

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.

Washable Cab Floormat

The PC220-8’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


Easy Access to Engine Oil Filter and Fuel Drain Valve

Engine oil filter and fuel drain valve are remote mounted to improve accessibility.

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.

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Sloping Track Frame

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

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<table>
<thead>
<tr>
<th>Working Mode</th>
<th>Application</th>
<th>Advantage</th>
</tr>
</thead>
<tbody>
<tr>
<td>P</td>
<td>Power mode</td>
<td>Maximum production/powers Fast cycle time</td>
</tr>
<tr>
<td>E</td>
<td>Economy mode</td>
<td>Excellent fuel economy</td>
</tr>
<tr>
<td>L</td>
<td>Lifting mode</td>
<td>Hydraulic pressure is increased by 7%</td>
</tr>
<tr>
<td>B</td>
<td>Breaker operation</td>
<td>Optimum engine rpm, hydraulic flow</td>
</tr>
<tr>
<td>ATT</td>
<td>Attachment mode</td>
<td>Optimum engine rpm, hydraulic flow, 2 way</td>
</tr>
</tbody>
</table>

**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.

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**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 PC220-8’s cab floormat is easy to keep clean. The gently inclined surface has a flanged floormat and drainage holes to facilitate runoff.

**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.

**Large-capacity Fuel Tank and 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.

**Long-life Oil Filter**

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

**Air Conditioner Filter (optional)**

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

**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.
**PC220-8 HYDRAULIC EXCAVATOR**

**SPECIFICATIONS**

**ENGINE**

- Model: Komatsu SAA6D107E-1
- Type: Water-cooled, 6-cylinder, direct injection
- Horsepower: ISO 1095: 134 kW / 179 HP
- Speed: 1500 rpm

**HYDRAULIC**

- Type: Hydraulic (Hydraulic Intelligence New Design) system
- Swing: Center frame, X-frame, Box-section
- Seal: of track: Sealed track
- Track adjuster: Hydraulic
- Number of shoes (each side): PC220-8: 47, PC220LC-8: 51
- Number of track rollers (each side): PC220-8: 18, PC220LC-8: 20

**COOLANT AND LUBRICANT**

- Type: Variable displacement piston type pump
- Fuel tank: 400 ltr / 105 US gal
- Coolant: 30 ltr / 8 US gal
- Oil: 23.1 ltr / 6.3 US gal

**SWING SYSTEM**

- Arm length: 2000 mm / 6'7"
- Bucket capacity: 1.0 m³ / 1.31 yd³
- Backhoe bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

**UNDERCARRIAGE**

- Arm length: 2000 mm / 6'7"
- Bucket capacity: 1.0 m³ / 1.31 yd³
- Backhoe bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

**DRIVES AND BRAKES**

- Steering control: Two levers with pedal
- Drive method: Hydrostatic
- Maximum drawbar pull: 202 KN / 45.35 lb
- Gravelability: 20% to 30%
- Maximum travel speed: 5.5 km/h / 3.4 mph
- (Auto-SN): Mid
- 4.2 km/h / 2.6 mph
- (Auto-SN): Low
- 3.1 km/h / 1.9 mph
- Service brake: Hydraulic lock
- Parking brake: Mechanical disc brake
- Drive method: Hydrostatic
- Swing reduction: Planetary gear
- Swing circle lubrication: Grease-lubed
- Service brake: Hydraulic lock
- Swing brake: Mechanical disc brake
- Swing speed: 11.7 rpm

**POWER RATING**

- Power: 125 kW / 169 HP
- Max. digging height: 9665 mm / 32'1"
- Max. digging reach: 9270 mm / 30'5"
- Max. digging reach at ground level: 9070 mm / 30'5"
- Max. digging depth: 6100 mm / 20'0"
- Max. digging force: 15500 kgf / 34,170 lb

**COOLING SYSTEM**

- Type: Water-cooled
- Coolant capacity: 19.8 ltr / 5.2 U.S. gal

**MECHANICAL SPECIFICATIONS**

- Arm length: 2000 mm / 6'7"
- Bucket capacity: 1.0 m³ / 1.31 yd³
- Backhoe bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

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

- Bucket capacity: 1.0 m³ / 1.31 yd³
- Backhoe bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

**WARRANTY**

- General purpose use, density up to 1.8 ton/m³ / 1.14 ton/yd³
- Light duty work, density up to 3.2 ton/m³ / 2.06 ton/yd³

**EPA/TIER 3 AND EU/STAGE 3A EMISSIONS CERTIFIED**

- EPA Tier 3 and EU Stage 3A emissions certified
**SPECIFICATIONS**

**ENGINE**
- Komatsu SAA6D107E-1
- Type: Water-cooled, 4-cylinder, direct injection
- Horsepower: SAE J1995 134 kW (179 HP)
- Speed: 2,100 rpm

**SWING SYSTEM**
- Type: Hydrostatic
- Swing reduction: Planetary gear
- Gearcase: Grease-bath
- Holding brake/Swing lock: Hydraulic
- Mechanical disc brake
- Swing speed: 11.7 rpm

**UNDERCARRIAGE**
- Center frame: X-frame
- Track frame: Box-section
- Seal of track: Sealed track
- Track adjuster: Hydraulic
- Number of shoes (each side): PC220-8: 47, PC220LC-8: 51
- Number of track rollers (each side): PC220-8: 2, PC220LC-8: 10

**COOLANT AND LUBRICANT CAPACITY (REFILLING)**
- Fuel tank: 400 ltr 105.7 U.S. gal
- Coolant: 19.8 ltr 5.2 U.S. gal
- Engine: 25.1 ltr 6.7 U.S. gal
- Final drive, each side: 3.3 ltr 0.9 U.S. gal
- Swing drive: 6.6 ltr 1.7 U.S. gal
- Hydraulic tank: 135 ltr 35.9 U.S. gal

**OPERATING WEIGHT (APPROXIMATE)**
- Operating weight including 5860 mm (192") one-piece boom...
- 3045 mm (100") arm, SAE heaped 1.0 m³ (1.31 yd³) backhoe bucket...
- rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

**DRIVES AND BRAKES**
- Gearbox: Two lovers with paddle
- Drivetrain: Hydrostatic
- Maximum drawbar pull: 202 kN 45,350 lb
- Graded: 70%, 35%
- Maximum travel speed: 5.5 km/h 3.4 mph (Auto-Shift), 4.2 km/h 2.6 mph (Manual Shift)
- Low: 3.1 km/h 1.9 mph
- Service brake: Hydraulic
- Parking brake: Mechanical disc brake

**COOLING SYSTEM**
- Fan drive method for radiator cooling: Mechanical
- Governor: All-speed control, electronic
- Water pressure: 5.1", 52.6", 3.5"
- Oil pressure: 0.9", 64.4", 3.9"
- Cylinders: 380 kgf/cm² 5,400 psi
- Oil volume: 3.3 ltr 0.9 U.S. gal

**HYDRAULICS**
- Type: HydraulMInd (Hydraulic Mechanical Intelligence New Design) system, closed-center system with load sensing valves and pressure compensated valves
- Main pump: Variable displacement piston type
- Pumps for: Boom, arm, bucket, swing, and travel circuits
- Maximum flow: 439 l/min 116 U.S. gals
- Supply for control circuit: Self-reducing valve
- Hydraulics motors: 2 x axial piston motor with parking brake
- Swing: 1 x axial piston motor with swing holding brake
- Rated rpm: 2000 rpm
- Implement circuits: 37.3 Mpa 540 kgf/cm² 5,400 psi
- Travel circuits: 37.3 Mpa 540 kgf/cm² 5,400 psi
- Swing circuit: 28.9 Mpa 419 kgf/cm² 4,190 psi
- Pilot circuit: 3.2 Mpa 33 kgf/cm² 470 psi

**COOLING RANGE**
- Operating hours: 800 hours
- Fan drive method: Mechanical
- Governor: All-speed control, electronic

**DIMENSIONS**

<table>
<thead>
<tr>
<th>PC220-8</th>
<th>PC220LC-8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arm Length</td>
<td>12900 mm</td>
</tr>
<tr>
<td>Bucket digging force</td>
<td>216 kN</td>
</tr>
<tr>
<td>Bucket digging force at max.</td>
<td>172 kN</td>
</tr>
<tr>
<td>Bucket digging force at power max.</td>
<td>142 kN</td>
</tr>
<tr>
<td>Bucket digging force at power max.</td>
<td>115 kN</td>
</tr>
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<tr>
<td>Bucket digging force at power max.</td>
<td>1 kN</td>
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**WORKING RANGE**

<table>
<thead>
<tr>
<th>Bucket Capacity (heaped)</th>
<th>Weight</th>
<th>Number of Lifts</th>
<th>Arm Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Without Side Cutters</td>
<td>With Side Cutters</td>
<td>Without Side Cutters</td>
<td>With Side Cutters</td>
</tr>
<tr>
<td>2.8 m (9 ft 10 in)</td>
<td>2.8 m (9 ft 10 in)</td>
<td>3</td>
<td>10</td>
</tr>
<tr>
<td>2.6 m (8 ft 7 in)</td>
<td>2.6 m (8 ft 7 in)</td>
<td>3</td>
<td>10</td>
</tr>
<tr>
<td>2.3 m (7 ft 7 in)</td>
<td>2.3 m (7 ft 7 in)</td>
<td>3</td>
<td>10</td>
</tr>
</tbody>
</table>

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

- Bucket capacity: up to 1.8 m³ (24.6 yd³)
- Arm length: up to 12.0 m (39 ft 3 in)

**NOTE:**
- Light duty work, density up to 1.2 ton/m³ 1.01 U.S. ton/yd³
- Not usable
### Lifting Capacity

**Arm:** 2090 mm (6' 11")

<table>
<thead>
<tr>
<th>Condition</th>
<th>(5850 \text{ mm (19' 2&quot;) one-piece boom})</th>
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**A:** Reach from swing center
**B:** Bucket hook height
**C:** Lifting capacity
**Cf:** Rating at maximum reach
**Cs:** Rating at maximum reach

#### Arm: PC220-8

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#### Arm: PC220LC-8

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</table>

**A:** Reach from swing center
**B:** Bucket hook height
**C:** Lifting capacity
**Cf:** Rating at maximum reach
**Cs:** Rating at maximum reach

---

### Lifting Capacity with Lifting Mode

**Arm:** 2090 mm (6' 11")

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**B:** Bucket hook height
**C:** Lifting capacity
**Cf:** Rating at maximum reach
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#### Arm: PC220-8

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**Cf:** Rating at maximum reach
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#### Arm: PC220LC-8

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**A:** Reach from swing center
**B:** Bucket hook height
**C:** Lifting capacity
**Cf:** Rating at maximum reach
**Cs:** Rating at maximum reach

---

* 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.
### LIFTING CAPACITY

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

**PC220-8**
- **Arm:** 2000 mm  
- **Bucket:** 1.0 m³  
- **Reach:** 6.1 m  
- **Rating:** 5850 kg  
- **Load:** 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.

### 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  
**Rating at maximum reach**

**PC220LC-8**
- **Arm:** 2000 mm  
- **Bucket:** 1.0 m³  
- **Reach:** 6.1 m  
- **Rating:** 5850 kg  
- **Load:** Limited by hydraulic capacity rather than tipping. Ratings are based on SAE standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

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<table>
<thead>
<tr>
<th>Condition</th>
<th>5.0 m</th>
<th>7.6 m</th>
<th>10.0 m</th>
<th>15.0 m</th>
<th>25.0 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAX</td>
<td>MAX</td>
<td>MAX</td>
<td>MAX</td>
<td>MAX</td>
<td>MAX</td>
</tr>
</tbody>
</table>

### Conditions
- **MAX:** 5850 mm 1/2" one-piece boom
- **MAX:** 3550 mm 1/2" one-piece boom

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<tr>
<th>Condition</th>
<th>5.0 m</th>
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<th>10.0 m</th>
<th>15.0 m</th>
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<td>MAX</td>
<td>MAX</td>
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</tbody>
</table>

### Conditions
- **MAX:** 5850 mm 1/2" one-piece boom
- **MAX:** 3550 mm 1/2" one-piece boom
**STANDARD EQUIPMENT**

- Alternator, 35 Ampere, 24 V
- Auto-decel
- Automatic engine warm-up system
- Batteries, 110 Ah/2 x 12 V
- Boom holding valve
- Counterweight
- Dry type air cleaner, double element
- 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
- Rearview mirrors (RH, LH, rear, sidewise)
- ROPS cab (ISO 12117-2)
- Slip-resistant Plates
- Starting motor, 4.5 kW/24 V x 1
- Suction fan
- Track guiding guard, center section
- Track roller
-—PC220-8, 8 each side
-—PC220LC-8, 10 each side
- Track shoe
-—PC220-8, 600 mm 24" triple grouser
-—PC220LC-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
  - 3045 mm 10'0" arm assembly
  - 2500 mm 8'2" arm assembly
  - 2000 mm 6'7" arm assembly
- Batteries, large capacity
- Bolt-on top guard, (Operator Protective Guards level 2)
- Boom, 5850 mm 19'2"
- 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)
- Rear view monitoring system
- Seat belt, retractable
- Seat, suspension
- Service valve
- Shoes, triple grouser
-—PC220-8, 700 mm 28", 800 mm 31.5"
-—PC220LC-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 0.60 m³ 0.78 yd³
    - CECE heaped 0.50 m³ 0.65 yd³
    - Width 1800 mm 70.9"
- Slope finishing bucket for scraping slopes of banks
  - Capacity
    - SAE heaped 0.4 m³ 0.52 yd³
    - CECE heaped 0.35 m³ 0.46 yd³
    - Width 2000 mm 78.7"
- 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
- Ripper bucket for hard and rocky ground
  - Capacity
    - SAE heaped 0.62 m³ 0.81 yd³
    - CECE heaped 0.56 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: 134 kW 179 HP @ 2000 rpm
- Net: 125 kW 168 HP @ 2000 rpm

**OPERATING WEIGHT**

- PC220-8: 22900– 23420 kg 50,490– 51,630 lb
- PC220LC-8: 24050– 24610 kg 53,020– 54,260 lb

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Photo may include optional equipment.