KOMATSU

PC160LC-8

NET HORSEPOWER
86 kW 115 HP @ 2200 rpm

OPERATING WEIGHT
16680–17120 kg 36,770–37,740 lb

BUCKET CAPACITY
0.37–0.95 m³ 0.48–1.24 yd³

Photo may include optional equipment.
Ecology and Economy Features

- **Low Emission Engine**
  A powerful turbocharged and air-to-air aftercooled Komatsu SAA4D107E-1 engine provides 86 kW **115 HP** (net). This engine is EPA Tier 3 and EU Stage 3A emissions certified, without sacrificing power or machine productivity.

- **Low Operational Noise**
  The dynamic noise is reduced providing low noise operation

- **Selectable Working Modes**
  Match performance to the application and minimize fuel consumption with E mode

- **Extended Idling Caution**

- **Eco-gauge**
  Assists energy saving operation

- **Low Fuel Consumption**

**Additional Features**

- Innovative cab design
- Slip-resistant plates to improve foot grip
- Large side-view and sidewise mirrors
- Rear view monitoring system
- Operator Protective Guard (OPG) top guard Level 2 capable

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**Large TFT LCD Monitor**

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

**TFT :** Thin Film Transistor  
**LCD :** Liquid Crystal Display

- Easy hydraulic flow adjustment
Maintenance Features
• Long replacement interval of engine oil, engine oil filter, hydraulic oil and hydraulic filter
• Fuel pre-filter with water separator as standard equipment
• Side-by-side cooling concept enables servicing of individual cooling modules
• Easy access to engine oil filter, fuel filter and fuel drain valve
• Fuel filter is remotely mounted to improve accessibility
• Self-diagnostic monitor

Large Comfortable Cab
• Low-noise cab design
• Low vibration with viscous cab damper mounting
• Highly pressurized cab with automatic air conditioner
• Operator seat and console with armrest that enables ergonomic operational posture
• Automatic air conditioner

Reliability Features
• High rigidity work equipment
• Sturdy frame structure
• Reliable Komatsu manufactured major components
• Reliable electronic devices
• In-line hydraulic filters

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Photo may include optional equipment.
Komatsu Technology

Komatsu develops and produces all major components in-house such as engines, electronics and hydraulic components. Combining “Komatsu Technology” and 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 Emission Engine

The Komatsu SAA4D107E-1 engine is EPA Tier 3 and EU Stage 3A emission regulations certified, without sacrificing power or machine productivity.

Low Operational Noise

A low-noise engine, muffler, and sound absorbing materials reduce engine noise at the source.
Working Mode Selection

The PC160LC-8 excavator is equipped with five working modes (P, E, L, B, and ATT). Each mode is designed to match engine speed, pump flow, and system pressure with the current 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>
<tbody>
<tr>
<td>P</td>
<td>Power mode</td>
<td>• Maximum production/power</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Fast cycle times</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 mode</td>
<td>• Optimum engine rpm, hydraulic flow, 1-way</td>
</tr>
<tr>
<td>ATT</td>
<td>Attachment mode</td>
<td>• Optimum engine rpm, hydraulic flow, 2-way</td>
</tr>
</tbody>
</table>

Eco-gauge that Assists Energy-saving Operation

The Eco-gauge, that can be recognized at a glance on the right of the multi-monitor, allows the operator to maintain work in the green zone and reduce fuel consumption, for environment-friendly energy-saving operation.

Operating conditions that keep the Eco-gauge in the green bars indicate that fuel consumption can be potentially reduced by operating in E mode.

Idling Caution

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

Low Fuel Consumption

The Komatsu SAA4D107E-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 highly-efficient matching techniques of the engine and hydraulic unit and also provides features that promote energy-saving operation such as the E mode and Eco-gauge.

Economy Mode

Economy mode is environmentally friendly. Fuel consumption is reduced 10% (compared with PC160LC-8 Power mode).

Lifting Mode

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

Breaker Mode

Flow can be adjusted from the cab to match various one-way flow attachment requirements.

Attachment Mode

Flow can be adjusted from the cab to match various two-way flow attachment requirements.
High Rigidity Work Equipment
Boom and arms are constructed with 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 using the most advanced three-dimensional CAD and FEM analysis technology.

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.

Highly Reliable Electronic Devices
Exclusively designed electronic devices have passed severe testing.
- Controllers
- Sensors
- Connectors
- Wiring

Metal Guard Rings Protect All the Hydraulic Cylinders and Improve Reliability

DT-type Connectors
DT-type connectors seal tightly and have high reliability.

Grease Sealed Track
The PC160LC-8 uses grease sealed tracks for extended undercarriage life.

High-Pressure In-line Filters
The PC160LC-8 has high pressure in-line filters installed at the pump discharge ports. This provides an additional level of hydraulic system protection.

O-ring Face Seals
Hydraulic hoses are equipped with O-ring seals versus conventional taper seals to provide extended leak-free life.
**Low Noise Cab**
The newly-designed cab is highly rigid and has excellent sound absorption ability. Improvement of noise source reduction and use of low noise engine, hydraulic equipment, and air conditioner allow this machine to generate a low level of noise similar to that of a modern automobile.

**Low Vibration with Cab Damper Mounting**
The PC160LC-8 uses viscous damper mounting for the cab that incorporates a longer stroke and the addition of a spring. The new cab damper mounting combined with high rigidity deck aids vibration reduction at the operator seat.

**Wide Newly-designed Cab**
Newly-designed wide spacious cab includes a 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 the 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**
Enables you to easily and precisely set cab temperature with the instruments on the large LCD screen. The bi-level control function keeps the inside of the cab comfortable from top to bottom throughout the year. Defroster function keeps cab glass clear.

**Lock Lever**
When the lock lever is placed in the lock position all hydraulic controls (travel, swing, boom, arm and bucket) are inoperable.

**Pressurized Cab**
Automatic air conditioner, air filter, and a higher internal air pressure help prevent dust from entering the cab.
New Cab Design for Hydraulic Excavators
The cab is designed specifically for hydraulic excavators and gains strength from the reinforced pipe-structured framework. The cab framework provides high durability and impact resistance with very high impact absorbency.

Slip-Resistant Plates
Durable slip resistant plates help maintain foot traction.

Large Side-view and Sidewise Mirrors

Skylight
Skylight can be opened to improve overhead visibility.

Large Serrated Steps

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

Travel Alarm
An alarm is installed as standard equipment to give other workers a warning when the machine travels in forward or reverse.

OPG Level 2 Top Guard (optional)

Front Full Guard Level 2 (optional)
Easy Maintenance

**Side-by-side Cooling**
Since the radiator, aftercooler and oil cooler are arranged side-by-side, it is easy to clean, remove and install them. The radiator, aftercooler, and oil cooler are made of aluminum, have high cooling efficiency and are easily recycled.

**Equipped with Fuel Pre-filter with Water Separator**
Removes water and contaminants in the fuel to help prevent fuel problems (with built in priming pump).

**Easy Access to Engine Oil Filter, Engine Main Fuel Filter and Fuel Drain Valve**
Engine oil filter, engine main fuel filter and fuel drain valve are remote mounted to improve accessibility.

**Sloping Track Frame**
Helps prevent 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 help of the gas assisted engine hood damper cylinders.

**Equipped with Eco-drain Valve as Standard**
Enables easier and cleaner engine oil changes

**Washable Cab Floormat**
The PC160LC-8's cab floor is easy to keep clean. The gently inclined surface has a flanged floormat and drainage holes to facilitate runoff.

**Air Conditioner Filters**
Both the fresh air filter and the recirculation air filter are removed and installed without the use of tools, facilitating easy filter maintenance.

**Long Work Equipment Greasing Interval**
High quality BMRC bushings and resin shims are installed in the work equipment, excluding the bucket, which can extend the greasing interval to 500 hours.

**Maintenance Cost Reduction**

**Long Replacement Interval of Hydraulic and Engine Oil and Filters**
High-performance filtering materials and long-life oil extend the oil and filter replacement intervals.

<table>
<thead>
<tr>
<th>Filter Type</th>
<th>Replacement Interval</th>
</tr>
</thead>
<tbody>
<tr>
<td>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>
The PC160LC-8 features the most advanced diagnostics system in the industry. The Komatsu-exclusive system identifies maintenance items, reduces diagnostic times, indicates oil and filter replacement hours, and displays error codes.

**Continuous Machine Monitoring System**

When the starting switch is turned ON, check-before-starting items and caution items appear on the LCD. If abnormalities are found, a warning lamp blinks and a warning buzzer sounds. The continuous machine condition checks help prevent the development of serious problems and allow the operator to concentrate on the work at hand.

**Abnormalities Display with Code**

When an abnormality occurs during operation, a user code is displayed. When an important user code is displayed, a caution lamp blinks and a warning buzzer sounds to alert the operator to take action.

**Oil Maintenance Function**

When the machine exceeds the oil or filter replacement time, the oil maintenance monitor will display lights to inform the operator.

**Trouble Data Memory Function**

The monitor stores a record of abnormalities for effective troubleshooting.
Large LCD Color Monitor

Large Multi-Lingual LCD Monitor
A large user-friendly color monitor enables accurate and smooth work. Improved screen visibility is achieved by use of a TFT liquid crystal display that can easily be read at various angles and lighting conditions. All switches are simple and easy to operate. Industry-first function keys facilitate multi-function operations. Displays data in 12 languages to globally support operators around the world.

<table>
<thead>
<tr>
<th>Indicators</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Auto-decelerator</td>
<td>Buzzer cancel</td>
</tr>
<tr>
<td>2 Working mode</td>
<td>Wiper</td>
</tr>
<tr>
<td>3 Travel speed</td>
<td>Windshield washer</td>
</tr>
<tr>
<td>4 Engine water temperature gauge</td>
<td></td>
</tr>
<tr>
<td>5 Hydraulic oil temperature gauge</td>
<td></td>
</tr>
<tr>
<td>6 Fuel gauge</td>
<td></td>
</tr>
<tr>
<td>7 Eco-gauge</td>
<td></td>
</tr>
<tr>
<td>8 Function switches menu</td>
<td></td>
</tr>
</tbody>
</table>

Rear-view Monitoring System
On the large LCD color monitor, the operator can access and view one standard video camera that will display areas directly behind the machine.

Improved attachment flow control
Flow rates can easily be adjusted for one-way and two-way flow attachments through the monitor.

Multiple languages
The monitor can be displayed in 12 languages.
PC160LC-8 HYDRAULIC EXCAVATOR

SPECIFICATIONS

ENGINE

Model: Komatsu SAA4D107E-1
Type: Water cooled, 4-cycle, direct injection
Aspiration: Turbocharged, and air-to-air aftercooled
Number of cylinders: 4
Bore: 107 mm
Stroke: 124 mm
Piston displacement: 4.46 ltr
Horsepower:
  - Gross (SAE J1995): 90 kW / 121 HP @ 2200 rpm
  - Net (ISO 9249/SAE J1349): 86 kW / 115 HP @ 2200 rpm
Governor: All speed control, electronic
Lubrication system:
  - Method: Gear pump, force-lubrication
  - Filter: Full-flow
Air cleaner: Dry type with double elements and auto dust evacuator, plus dust indicator

*EPA Tier 3 and EU Stage 3A emissions certified.

HYDRAULIC SYSTEM

Type: HydraulMind (Hydraulic Mechanical Intelligence New Design system), Closed-center system with load-sensing valves and pressure-compensated valves
Number of selectable working modes: 5
Main pump:
  - Type: Variable displacement piston type
  - Pumps for: Boom, arm, bucket, swing, and travel circuits
  - Maximum flow: 312 ltr/min
Supply for control circuit: All speed control, electronic
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 kgf/cm² / 5,400 psi
  - Travel circuit: 37.3 MPa / 380 kgf/cm² / 5,400 psi
  - Swing circuit: 28.9 MPa / 295 kgf/cm² / 4,195 psi
  - Pilot circuit: 3.2 MPa / 33 kgf/cm² / 470 psi

Undercarriage:

- Track type: Sealed
- Track frame: Box-section
- Center frame: X-leg
- Gradeability: 70%, 35°
- Maximum drawbar pull: 156 kN / 15950 kgf / 35,160 lbf
- Drive method: Hydrostatic
- Steering control: Two levers with pedals
- Number of track rollers (each side): 7
- Number of carrier rollers (each side): 2
- Number of shoes (each side): 44

Undercarriage:

- Fuel tank: 280 ltr / 74 U.S. gal
- Radiator: 18.5 ltr / 4.9 U.S. gal
- Engine: 16.0 ltr / 4.2 U.S. gal
- Final drive (each side): 3.3 ltr / 0.9 U.S. gal
- Swing drive: 4.5 ltr / 1.2 U.S. gal
- Hydraulic tank: 121 ltr / 32.0 U.S. gal

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: 12.0 rpm
- Swing torque: 4331 kg-m / 31,314 ft-lbs

Swing System:

- Number of selectable working modes: 5
- Pumps for boom, arm, bucket, swing, and travel circuits
- Maximum flow: 312 ltr/min
- Type: Variable displacement piston type

Operating weight including 5150 mm 16'11" one-piece boom, 2610 mm 87" arm, SAE heaped 0.65 m³ 0.85 yd³ backhoe bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

<table>
<thead>
<tr>
<th>Shoes</th>
<th>Operating Weight</th>
<th>Ground Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm</td>
<td>kg</td>
<td>lb</td>
</tr>
<tr>
<td>-------</td>
<td>------------------</td>
<td>----------------</td>
</tr>
<tr>
<td>600</td>
<td>24&quot;</td>
<td>16900</td>
</tr>
<tr>
<td>700</td>
<td>28&quot;</td>
<td>17120</td>
</tr>
<tr>
<td>800</td>
<td>31.5&quot;</td>
<td>17420</td>
</tr>
</tbody>
</table>
HYDRAULIC EXCAVATOR

PC160LC-8

BACKHOE BUCKET AND ARM COMBINATION

<table>
<thead>
<tr>
<th>Bucket Type</th>
<th>Bucket Capacity</th>
<th>Width</th>
<th>Weight</th>
<th>Arms 2.6 m</th>
<th>Arms 2.9 m</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8'7&quot; (2.6 m)</td>
<td>9'6&quot; (2.9 m)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Komatsu TL</td>
<td>0.47 m³</td>
<td>610 mm</td>
<td>506 kg</td>
<td>V</td>
<td>V</td>
</tr>
<tr>
<td></td>
<td>0.62 m³</td>
<td>762 mm</td>
<td>568 kg</td>
<td>V</td>
<td>V</td>
</tr>
<tr>
<td></td>
<td>0.76 m³</td>
<td>914 mm</td>
<td>660 kg</td>
<td>W</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>0.95 m³</td>
<td>1067 mm</td>
<td>705 kg</td>
<td>X</td>
<td>Y</td>
</tr>
<tr>
<td>Komatsu HP</td>
<td>0.37 m³</td>
<td>508 mm</td>
<td>511 kg</td>
<td>V</td>
<td>V</td>
</tr>
<tr>
<td></td>
<td>0.47 m³</td>
<td>610 mm</td>
<td>572 kg</td>
<td>V</td>
<td>V</td>
</tr>
<tr>
<td></td>
<td>0.78 m³</td>
<td>914 mm</td>
<td>735 kg</td>
<td>W</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>0.95 m³</td>
<td>1067 mm</td>
<td>806 kg</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Komatsu HPS</td>
<td>0.37 m³</td>
<td>508 mm</td>
<td>563 kg</td>
<td>V</td>
<td>V</td>
</tr>
<tr>
<td></td>
<td>0.47 m³</td>
<td>610 mm</td>
<td>635 kg</td>
<td>V</td>
<td>V</td>
</tr>
<tr>
<td></td>
<td>0.78 m³</td>
<td>914 mm</td>
<td>831 kg</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td>0.95 m³</td>
<td>1067 mm</td>
<td>919 kg</td>
<td>Y</td>
<td>Z</td>
</tr>
</tbody>
</table>

V – Used with densities up to 3,500 lb/yd³.
W – Used with densities up to 3,000 lb/yd³.
X – Used with densities up to 2,500 lb/yd³.
Y – Used with densities up to 2,000 lb/yd³.
Z – Not useable.

COMMENTS: When using any quick coupler or other attachment equipment, there is an increased risk of the bucket hitting the cab.

*See the Operation & Maintenance Manual for detailed bucket installation instructions.

DIMENSIONS

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arm Length</td>
<td>2610 mm</td>
<td>8'7&quot;</td>
</tr>
<tr>
<td>Overall length</td>
<td>8565 mm</td>
<td>28'1&quot;</td>
</tr>
<tr>
<td>Length on ground (transport)</td>
<td>4760 mm</td>
<td>15'7&quot;</td>
</tr>
<tr>
<td>Overall height (to top of boom)</td>
<td>3025 mm</td>
<td>9'11&quot;</td>
</tr>
<tr>
<td>Arm Length</td>
<td>2590 mm</td>
<td>8'6&quot;</td>
</tr>
<tr>
<td>Overall height (to top of cab)</td>
<td>3030 mm</td>
<td>9'10&quot;</td>
</tr>
<tr>
<td>Ground clearance, counterweight</td>
<td>1055 mm</td>
<td>3'6&quot;</td>
</tr>
<tr>
<td>Ground clearance (minimum)</td>
<td>440 mm</td>
<td>1'5&quot;</td>
</tr>
<tr>
<td>Tail swing radius</td>
<td>2435 mm</td>
<td>8'0&quot;</td>
</tr>
<tr>
<td>Track length on ground</td>
<td>3170 mm</td>
<td>10'5&quot;</td>
</tr>
<tr>
<td>Track length</td>
<td>3965 mm</td>
<td>13'0&quot;</td>
</tr>
<tr>
<td>Track gauge</td>
<td>1990 mm</td>
<td>6'6&quot;</td>
</tr>
<tr>
<td>Width of crawler</td>
<td>2590 mm</td>
<td>8'6&quot;</td>
</tr>
<tr>
<td>Shoe width</td>
<td>600 mm</td>
<td>24&quot;</td>
</tr>
<tr>
<td>Grouser height</td>
<td>26 mm</td>
<td>1.0&quot;</td>
</tr>
<tr>
<td>Machine cab height</td>
<td>2065 mm</td>
<td>6'9&quot;</td>
</tr>
<tr>
<td>Machine cab width</td>
<td>2490 mm</td>
<td>8'2&quot;</td>
</tr>
<tr>
<td>Distance, swing center to rear end</td>
<td>2390 mm</td>
<td>7'10&quot;</td>
</tr>
</tbody>
</table>

* Including grouser height ** Including handrail
PC160LC-8 HYDRAULIC EXCAVATOR

WORKING RANGES

<table>
<thead>
<tr>
<th>Arm</th>
<th>2610 mm</th>
<th>8'7&quot;</th>
<th>2900 mm</th>
<th>9'6&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Max. digging height</td>
<td>8980 mm</td>
<td>29'6&quot;</td>
<td>9130 mm</td>
</tr>
<tr>
<td>B</td>
<td>Max. dumping height</td>
<td>6370 mm</td>
<td>20'11&quot;</td>
<td>6525 mm</td>
</tr>
<tr>
<td>C</td>
<td>Max. digging depth</td>
<td>5960 mm</td>
<td>19'0&quot;</td>
<td>6250 mm</td>
</tr>
<tr>
<td>D</td>
<td>Max. vertical wall digging depth</td>
<td>5040 mm</td>
<td>16'6&quot;</td>
<td>5320 mm</td>
</tr>
<tr>
<td>E</td>
<td>Max. digging depth of cut for 8' level bottom</td>
<td>5740 mm</td>
<td>18'10&quot;</td>
<td>6050 mm</td>
</tr>
<tr>
<td>F</td>
<td>Max. digging reach</td>
<td>8960 mm</td>
<td>29'5&quot;</td>
<td>9235 mm</td>
</tr>
<tr>
<td>G</td>
<td>Max. digging reach at ground level</td>
<td>8800 mm</td>
<td>28'10&quot;</td>
<td>9075 mm</td>
</tr>
<tr>
<td>H</td>
<td>Min. swing radius</td>
<td>2990 mm</td>
<td>9'10&quot;</td>
<td>2995 mm</td>
</tr>
<tr>
<td>SAE rating</td>
<td>Bucket digging force at power max.</td>
<td>109 kN</td>
<td>11100 kgf/24,470 lb</td>
<td>109 kN</td>
</tr>
<tr>
<td></td>
<td>Arm crowd force at power max.</td>
<td>83.4 kN</td>
<td>18,740 lb</td>
<td>77.5 kN</td>
</tr>
<tr>
<td>ISO rating</td>
<td>Bucket digging force at power max.</td>
<td>123 kN</td>
<td>27,560 lb</td>
<td>123 kN</td>
</tr>
<tr>
<td></td>
<td>Arm crowd force at power max.</td>
<td>86.3 kN</td>
<td>19,400 lb</td>
<td>79.4 kN</td>
</tr>
</tbody>
</table>
## LIFTING CAPACITIES

### HYDRAULIC EXCAVATOR

**PC160LC-8**

### 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  

**Conditions:**  
- Arm: 2610 mm 8'7"  
- Boom length: 5150 mm 16'11"  
- Bucket: 0.65 m³ 0.85 yd³ (SAE heaped)  
- Bucket weight: 500 kg 1,100 lb.  
- Lifting mode: On

<table>
<thead>
<tr>
<th>PC160LC-8 Shoe 600 mm 24&quot;</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
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### PC160LC-8 Shoe 700 mm 28"

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*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.

---

- Conditions:  
  - Arm: 2610 mm 8'7"  
  - Boom length: 5150 mm 16'11"  
  - Bucket: 0.65 m³ 0.85 yd³ (SAE heaped)  
  - Bucket weight: 500 kg 1,100 lb.  
  - Lifting mode: On
LIFTING CAPACITIES

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

Conditions:
- Arm: 2610 mm 8’7”
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**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

**Conditions:**  
- Arm: 2900 mm (9'6")  
- Boom length: 5150 mm (16'11")  
- Bucket: 0.65 m³ (0.85 yd³) (SAE heaped)  
- Bucket weight: 500 kg (1,100 lb.)  
- Lifting mode: On

### PC160LC-8

#### Shoe 600 mm 24" Unit: kg/lb

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<tr>
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<th>B</th>
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<th>3.0 m 10'</th>
<th>4.6 m 15'</th>
<th>6.1 m 20'</th>
<th>7.6 m 25'</th>
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*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 Capacities

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

**Conditions:**  
- Arm: 2900 mm 9’6”  
- Boom length 5150 mm 16’11”  
- Bucket 0.65 m³ 0.85 yd³ (SAE heaped)  
- Bucket weight: 500 kg 1,100 lb.  
- Lifting mode: On

<table>
<thead>
<tr>
<th>PC160LC-8</th>
<th>Shoe 800 mm 31.5”</th>
<th>Unit: kg/lb</th>
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</thead>
<tbody>
<tr>
<td><strong>B</strong></td>
<td><strong>A</strong>: Reach from swing center</td>
<td><strong>B</strong>: Bucket hook height</td>
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<td><em>6,500</em></td>
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*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.*
**STANDARD EQUIPMENT**

- Automatic air conditioner with defroster
- Alternator, 60 Ampere, 24 V
- Auto-decel
- Automatic engine warm-up system
- Batteries, large capacity, 2 x 12 V, 110 Ah
- Boom and arm holding valves
- Cab
- Converter, 12 V
- Counterweight, 2850 kg **6280 lb**
- Dry type air cleaner, double element
- Electric horn
- Engine, Komatsu SAA4D107E-1
- Engine overheat prevention system
- Equipment Management Monitoring System (EMMS)
- Fan guard structure
- High pressure in-line hydraulic filters
- Hydraulic track adjusters (each side)
- KOMTRAX®
- Long lubricating intervals for work equipment bushings (500 hours)
- Multi-function color monitor
- Operator Protective Top Guard (OPG) Level 1
- Power maximizing system
- PPC hydraulic control system
- Radiator and oil cooler dustproof net
- Rear reflector
- Rearview mirrors (LH & RH (2 pieces))
- Rear-view monitoring system
- Revolving frame deck guard
- Seat belt 76 mm 3", retractable
- Service valve (1 additional)
- Slip-resistant plates
- Starting motor, 4.5 kW/24 V x 1
- Suction fan
- Suspension seat
- Track frame undercover
- Track guiding guard, center section
- Track rollers: 7 each side
- Track shoes: 600 mm **24"** triple grouser
- Travel alarm
- Work lights, 2 (boom and RH)
- Work mode selection system

**OPTIONAL EQUIPMENT**

- Arms
  - 2900 mm **9'6"** arm assembly
  - 2610 mm **8'7"** arm assembly
  - 2900 mm **9'6"** arm w/ one actuator piping
  - 2610 mm **8'7"** arm w/ one actuator piping
- Boom
  - 5150 mm **16'11"** boom assembly
  - 5150 mm **16'11"** boom w/ one actuator piping
  - Full front guard, Level 2
  - One actuator hydraulic control unit
  - OPG top guard, Level 2, bolt-on
- Pattern change valve (ISO to BH)
- Rain visor
- Shoes, triple grouser
  - 700 mm **28"**
  - 800 mm **31.5"**
- Sun visor

**ATTACHMENT OPTIONS**

- JRB attachments
  - Couplers
    - Smart-Loc
    - Versa-Loc
  - Komatsu buckets
- PSM thumbs
- Rockland thumbs
- Rubber track shoes, Bolt-on type

For a complete list of available attachments, please contact your local Komatsu distributor.