KOMATSU®

PC400LC-7

FLYWHEEL HORSEPOWER
246 kW 330 HP @ 1850 rpm

OPERATING WEIGHT
42588–46719 kg
93,890–103,000 lb

Photo may include optional equipment.
**PC400LC-7 Hydraulic Excavator**

**Walk-Around**

- **High Production and Low Fuel Consumption**
  Production is increased during Active mode while fuel efficiency is improved.

- **Low Fuel Consumption and High Output Engine**
  A powerful turbocharged and air-to-air aftercooled Komatsu SAA6D125E-3 provides 246 kW *330 HP*. Low fuel consumption is achieved by adopting an electronic controlled fuel injection system.

**Easy Maintenance**
- Replacement interval is extended for engine oil, engine oil filter and hydraulic filter
- Easy removal and installation of the radiator and oil cooler
- Fuel tank capacity is increased
- New bushing design on work equipment extends lubricating interval
- Easy access for engine inspection
- High-capacity air cleaner

**Large Digging Force**
- Arm crowd force is increased 8% and bucket digging force is increased 9% when the Power Max function is applied (compared with PC400LC-6)

**Two-Mode Setting for Boom**
- Switch selection allows either powerful digging or smooth boom operation
Harmony with Environment
- Low emission engine
  PC400LC-7’s engine is EPA Tier 2 emission certified, without sacrificing power or machine productivity
- Economy mode saves fuel consumption (reduced by approx. 20%)
- Low operation noise

Reduced Revolving Frame Damage
- Clearance between the revolving frame and track increased by 30%

Variable Track Gauge (optional)
- Greatly increases lateral stability and lifting capacity
- Compliant with transportation regulations

Excellent Machine Stability
- Machine stability and balance is improved by a new design counterweight

Higher Lifting Capacity
- PC400LC-7’s lateral stability is improved and lifting capacity is increased

Large Comfortable Cab
New PC400-7’s cab volume is increased by 14%, offering an exceptionally roomy operating environment
- Highly pressurized cab with automatic air conditioner
- Low noise design
- Low vibration with cab damper mounting
- OPG capable with optional bolt-on top guard

OPG (Operator Protective Guards) top guard level 2 by ISO 10262 (formerly FOG)
High Production and Low Fuel Consumption

High production and low fuel consumption are achieved through the following two operation modes:

Active mode, with maximum engine output to handle large production, while keeping fuel consumption low; and Eco mode for light duty applications, which enables operation at a speed comparable to Active mode with even lower fuel consumption. The two modes, Active mode for handling “large production” and Eco mode for “low fuel consumption” have been significantly improved.

Active Mode

This mode handles large production by providing powerful and quick operation, and achieves economical efficiency by substantial reduction of fuel consumption.

Economy Mode

Operation speed equal to that of the Active mode can be achieved when handling light duty operation while also keeping fuel consumption low.

Electronically Controlled High Power Engine Installed

A 246 kW 330 HP Komatsu SAA6D125E-3 engine, is the largest in its class. High power and low fuel consumption are achieved by optimizing fuel injection via electronic control. EPA Tier 2 certified.

Improved Digging Force

With the addition of the one-touch power max. function (operation time of 8.5 seconds), the digging force has been further increased.

Maximum arm crowd force (ISO): 20120 kg (44,350 lb) \( \overset{8\%}{\text{better}} \) (with Power Max.)

Maximum bucket digging force (ISO): 25600 kg (56,450 lb) \( \overset{8\%}{\text{better}} \) (with Power Max.)

Smooth Loading Operation

Two return hoses improve hydraulic performance. In the arm out function, a portion of the oil is efficiently returned to the tank increasing arm speed.

Two return hoses
Substantially Improved Stability

Improved lateral stability is achieved by increasing the counterweight (610 kg \(1,350\ \text{lb}\)) and moving the weight further from the machine center.

**Lateral Stability**

<table>
<thead>
<tr>
<th>PC400 - PC400LC</th>
<th>15% better*</th>
</tr>
</thead>
</table>
| *(comparison with current model)*

**Large Lifting Capacity**

PC400LC-7's improved lateral stability increases lifting capacity.

<table>
<thead>
<tr>
<th>Location</th>
<th>PC400LC-6</th>
<th>PC400LC-7</th>
<th>Increase %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reach = 20' Front</td>
<td>20,500 lbs</td>
<td>21,500 lbs</td>
<td>11%</td>
</tr>
<tr>
<td>Height = Ground Level Side</td>
<td>11,800 lbs</td>
<td>12,600 lbs</td>
<td>5%</td>
</tr>
</tbody>
</table>

**Variable Track Gauge (optional)**

- Lateral stability is significantly improved when operating with the gauge extended
- Lateral stability is increased by 30\% (compared with the fixed gauge of the current model)
- Complies with transportation regulations by retracting the gauge

**Two Boom Settings**

Smooth mode provides easy operation for gathering blasted rock or scraping down operation. When maximum digging force is needed, switch to Power mode for more effective excavating.

- Boom floats upward, reducing lifting of machine front. This facilitates gathering blasted rock and scraping down operations.
- Boom pushing force is increased, ditch digging and box digging operation on hard ground are improved.

**Reduced Revolving Frame Damage**

Damage to the revolving frame when going over rocks is reduced by increasing the clearance between the revolving frame and track.

| clearance: approx. 200 mm (7.9") |
| 30\% increased |
Large Comfortable Cab

**Comfortable Cab**
New PC400LC-7's cab volume is increased by 14%, offering an exceptionally comfortable operating environment. The large cab enables full flat reclining of the seat back with headrest.

**Pressurized Cab**
The air conditioner, air filter, and a higher internal air pressure (6.0 mm Aq 0.2" in Aq) prevent external dust from entering the cab.

**Low Noise Design**
Noise level is remarkably reduced, not only engine noise but also swing and hydraulic relief noise.

**Low Vibration with Cab Damper Mounting**
PC400LC-7 uses a new, improved cab damper mount system that incorporates longer stroke and the addition of a spring. The new cab damper mounting combined with a strengthened left and right side deck aids vibration reduction at the operator's seat.

Vibration at floor is reduced from 120 dB (VL) to 115 dB (VL).

**Automatic Air Conditioner**
A 6,900 kcal 27,379 Btu air conditioner is utilized. 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.

**Washable Cab Floormat**
The PC400LC-7's cab floormat is easy to keep clean. The gently inclined surface has a flanged floormat and drainage holes to facilitate runoff.
Multi-Position Controls

The multi-position, pressure proportional control levers allow the operator to work in comfort while maintaining precise control. A double-slide mechanism allows the seat and control levers to move together or independently, allowing the operator to position the controls for maximum productivity and comfort.

Seat Sliding Amount: 340 mm 13.4”, increased 120 mm 4.7”

Safety Features

Cab

OPG (FOG) capable with optional bolt-on top guard.

Wide Visibility

The right side window pillar has been removed and the rear pillar reshaped to provide better visibility. Blind spots have been decreased by 34%.

Pump/engine room partition prevents oil from spraying on the engine if a hydraulic hose should burst.

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

Steps with non-skid sheet and large handrail. Steps with non-skid sheet provide anti-slip footing for added safety.

Defroster

Cab Frame Mounted Wiper

Bottle Holder and Magazine

Non-skid Sheet

Large Handrail

Thermal Guard
Reliability Features

**Large Castings Utilized to Improve Strength and Durability**

The castings smoothly transfer forces and loads, improving the work equipment and main frame life. They also improve torsional strength.

**High-Pressure In-Line Filter**

The PC400LC-7 has high pressure in-line filters installed at the pump discharge ports. This protects the hydraulic system from contamination due to the unlikely event of a pump failure.

**Easy Maintenance**

**Easy Removal and Installation of the Radiator (side-by-side cooling)**

Removal and installation of the radiator and oil cooler are made easier by locating them side-by-side.

**High-Capacity Air Cleaner**

High-capacity air cleaner is comparable to that of a larger machine. The increased capacity can extend air cleaner life and prevent early clogging which can result in a power decrease. Reliability is improved by using a new seal design.

**Fuel Tank Capacity Increased**

Fuel tank capacity is increased from 605 ltr 160 U.S. gal to 650 ltr 172 U.S. gal to extend operating hours before refueling. The fuel tank is treated for rust prevention and improved corrosion resistance.

**Reducing Maintenance Costs**

Hydraulic oil filter replacement interval is extended from 500 to 1000 hours. Engine oil and filter replacement interval are extended from 250 to 500 hours.
VALUE ADDED FEATURES
Multi-Function Color Monitor

A newly developed Multi-Function Color Monitor has multiple functions, such as working mode selection, hydraulic pump oil flow adjustment for matching to attachment, and maintenance interval notice, etc.

**Working Mode Selection**
The Multi-Function Color Monitor has four selectable working modes (A, E, L, and B modes).

<table>
<thead>
<tr>
<th>Working Mode</th>
<th>Application</th>
<th>Advantage</th>
</tr>
</thead>
</table>
| A            | Active mode          | • Maximum production/power  
|              |                      | • Fast cycle times                      |
| E            | Economy mode         | • Excellent fuel economy                   |
| L            | Lifting mode         | • Hydraulic pressure is increased by 7%    |
| B            | Breaker operation    | • Optimum engine rpm, hydraulic flow       |

When Lifting Mode is selected, hydraulic pressure is increased 7% resulting in a 7% increase in hydraulic lift capacity.

**EMMS (Equipment Management Monitoring System)**

**Monitor Function**
Controller monitors engine oil level, coolant level, engine oil pressure, coolant temperature, battery charge and air cleaner clogging, etc. If the controller finds any abnormality, it is displayed on the LCD (Liquid Crystal Display).

**Maintenance Function**
Monitor informs replacement time of oil and filters on LCD when the replacement interval is reached.

**Trouble Data Memory Function**
Monitor stores error codes for effective troubleshooting.

**Hydraulic Pump Oil Flow Adjustment System**
When installing attachments (breaker, crusher, etc.) and B, A, or E mode is selected, it is possible to adjust engine and hydraulic pump discharge flow to match attachment characteristics. Selection is possible throughout the LCD. This system also allows throttling of the attachment side discharge flow to provide smooth work equipment movement and compound operation with work equipment and attachment.

When **Active** or **Economy** mode are selected, oil flow to the hydraulic attachment circuit provides two pump flow. The flow can be controlled in two directions to control attachments that require open/close function.

When the **Breaker** mode is selected, the attachment circuit provides oil flow from one pump. The oil flow is one directional and will travel from the attachment to the hydraulic tank.
**PC400LC-7 HYDRAULIC EXCAVATOR**

### SPECIFICATIONS

#### ENGINE

- **Model**: Komatsu SAA6D125E-3
- **Type**: Water-cooled, 4-cycle, direct injection
- **Aspiration**: Turbocharged, air-to-air, aftercooled
- **Number of cylinders**: 6
- **Bore**: 125 mm (4.92”)
- **Stroke**: 150 mm (5.91”)
- **Piston displacement**: 11.04 ltr (674 in³)
- **Flywheel horsepower**: ISO 9249 / SAE J1349. Gross 259 kW (347 HP)
  - Net 246 kW (330 HP)
- **Rated rpm**: 1850 rpm
- **Governor**: All-speed control, electronic EPA, EU, and Japan Tier 2 emission certified.

#### HYDRAULICS

- **Type**: HydraulMind (Hydraulic Mechanical Intelligence New Design) system, closed-center system with load sensing valves and pressure compensated valves
- **Number of selectable working modes**: 4
- **Main pump**: Variable displacement piston type
- **Pumps for**: Boom, arm, bucket, swing, and travel circuits
- **Maximum flow**: 690 ltr/min (182 U.S. gal/min)
- **Supply for control circuit**: Self-reducing valve
- **Hydraulic motors**:
  - Travel: 2 x axial piston motor with parking brake
  - Swing: 1 x axial piston motor with swing holding brake
- **Relief valve setting**:
  - Implement circuits: 37.3 MPa (540 psi)
  - Travel circuit: 37.3 MPa (540 psi)
  - Swing circuit: 27.9 MPa (405 psi)
- **Hydraulic cylinders**:
  - (Number of cylinders – bore x stroke x rod diameter)
    - Boom: 2 – 160 mm x 1570 mm x 110 mm 6.3” x 61.8” x 4.3”
    - Arm: 1 – 185 mm x 1820 mm x 120 mm 7.3” x 71.7” x 4.7” except 2.4 m 7’10”
    - 1 – 185 mm x 1590 mm x 120 mm 7.3” x 62.6” x 4.7”
    - Bucket: 1 – 160 mm x 1270 mm x 110 mm 6.3” x 50” x 4.3”

#### DRIVES AND BRAKES

- **Steering control**: Two levers with pedals
- **Drive method**: Hydrostatic
- **Maximum drawbar pull**: 329 kN (33510 kgf 73,880 lb)
- **Gradeability**: 70%, 35°
- **Maximum travel speed**: High: 5.5 km/h (3.4 mph)
  - (Auto-Shift) Low: 3.0 km/h (1.9 mph)
- **Service brake**: Hydraulic lock
- **Parking brake**: Mechanical disc brake

#### SWING SYSTEM

- **Drive method**: Hydrostatic
- **Swing reduction**: Planetary gear
- **Swing circle lubrication**: Grease-bathed
- **Service brake**: Hydraulic lock
- **Holding brake/Swing lock**: Mechanical disc brake
- **Swing speed**: 9.0 rpm
- **Swing torque**: 15359 kg-m (111,059 ft lbs)

#### UNDERCARRIAGE

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

#### COOLANT AND LUBRICANT CAPACITY (REFILLING)

- **Fuel tank**: 650 ltr (172 U.S. gal)
- **Coolant**: 34.2 ltr (9.0 U.S. gal)
- **Engine**: 38.0 ltr (10.0 U.S. gal)
- **Final drive, each side**: 12.0 ltr (3.2 U.S. gal)
- **Swing drive**: 16.2 ltr (4.3 U.S. gal)
- **Hydraulic tank**: 248 ltr (65.5 U.S. gal)

#### OPERATING WEIGHT (APPROXIMATE)

Operating weight including 7060 mm (23’2”) one-piece boom, 3380 mm (11’1”) arm, SAE heaped 1.94 m³ (2.54 yd³) bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

<table>
<thead>
<tr>
<th>Shoes</th>
<th>PC400LC-7</th>
<th>PC400LC-7</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Operating Weight</td>
<td>Ground Pressure</td>
</tr>
<tr>
<td>700 mm 28°</td>
<td>43419 kg</td>
<td>94,720 lb</td>
</tr>
<tr>
<td>800 mm 31.5°</td>
<td>43869 kg</td>
<td>96,712 lb</td>
</tr>
<tr>
<td>900 mm 35.5°</td>
<td>44329 kg</td>
<td>97,726 lb</td>
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<td>Ground Pressure</td>
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<tr>
<td>700 mm 28°</td>
<td>44387 kg</td>
<td>97,856 lb</td>
</tr>
<tr>
<td>800 mm 31.5°</td>
<td>44837 kg</td>
<td>98,848 lb</td>
</tr>
<tr>
<td>900 mm 35.5°</td>
<td>45297 kg</td>
<td>99,862 lb</td>
</tr>
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<td>9.48 psi</td>
</tr>
<tr>
<td>800 mm 31.5°</td>
<td>43869 kg</td>
<td>96,712 lb</td>
<td>0.59 kgf/cm²</td>
<td>8.38 psi</td>
</tr>
<tr>
<td>900 mm 35.5°</td>
<td>44329 kg</td>
<td>97,726 lb</td>
<td>0.53 kgf/cm²</td>
<td>7.53 psi</td>
</tr>
</tbody>
</table>

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<td>97,856 lb</td>
<td>0.68 kgf/cm²</td>
<td>9.69 psi</td>
</tr>
<tr>
<td>800 mm 31.5°</td>
<td>44837 kg</td>
<td>98,848 lb</td>
<td>0.60 kgf/cm²</td>
<td>8.57 psi</td>
</tr>
<tr>
<td>900 mm 35.5°</td>
<td>45297 kg</td>
<td>99,862 lb</td>
<td>0.54 kgf/cm²</td>
<td>7.69 psi</td>
</tr>
</tbody>
</table>
**TRANSPORTATION DIMENSIONS**

<table>
<thead>
<tr>
<th></th>
<th>Arm</th>
<th>Overall length</th>
<th>Length on ground (transport)</th>
<th>Overall height (to top of boom)</th>
<th>Overall width</th>
<th>Overall height (to top of cab)</th>
<th>Distance, swing center to rear end</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>2400 mm</td>
<td>11905 mm</td>
<td>7'10&quot;</td>
<td>3850 mm</td>
<td>3540 mm</td>
<td>7'10&quot;</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>2900 mm</td>
<td>11995 mm</td>
<td>9'6&quot;</td>
<td>3745 mm</td>
<td>3265 mm</td>
<td>9'6&quot;</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>3380 mm</td>
<td>11940 mm</td>
<td>11'1&quot;</td>
<td>3635 mm</td>
<td>3114 mm</td>
<td>11'1&quot;</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>4000 mm</td>
<td>11950 mm</td>
<td>13'1&quot;</td>
<td>3885 mm</td>
<td>3650 mm</td>
<td>13'1&quot;</td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>4800 mm</td>
<td>11830 mm</td>
<td>15'9&quot;</td>
<td>4435 mm</td>
<td>3805 mm</td>
<td>15'9&quot;</td>
<td></td>
</tr>
</tbody>
</table>

**Variable Gauge Transportation Dimension Differences**

<table>
<thead>
<tr>
<th></th>
<th>D1 Overall width (crawler retracted)</th>
<th>D2 Overall width (crawler extended)</th>
<th>G Ground clearance (minimum)</th>
<th>K Track gauge (crawler extended)</th>
<th>L1 Width of crawler (retracted)</th>
<th>L2 Width of crawler (extended)</th>
<th>M Track shoe width</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3190 mm</td>
<td>3690 mm</td>
<td>685 mm</td>
<td>2890 mm</td>
<td>3190 mm</td>
<td>3690 mm</td>
<td>800 mm</td>
</tr>
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</table>

**WORKING RANGE**

<table>
<thead>
<tr>
<th></th>
<th>Arm</th>
<th>Max. digging height</th>
<th>Max. dumping height</th>
<th>Max. vertical wall digging depth</th>
<th>Max. digging depth of cut for 8' level</th>
<th>Max. digging reach</th>
<th>Max. digging reach at ground level</th>
<th>Min. swing radius</th>
<th>Bucket digging force at power max.</th>
<th>Arm crowd force at power max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>2400 mm</td>
<td>10310 mm</td>
<td>7070 mm</td>
<td>6305 mm</td>
<td>11080 mm</td>
<td>10855 mm</td>
<td></td>
<td>4835 mm</td>
<td>24600 kg</td>
<td>24600 kg</td>
</tr>
<tr>
<td>B</td>
<td>2900 mm</td>
<td>10285 mm</td>
<td>7080 mm</td>
<td>6320 mm</td>
<td>11445 mm</td>
<td>11230 mm</td>
<td></td>
<td>4810 mm</td>
<td>24500 kg</td>
<td>25000 kg</td>
</tr>
<tr>
<td>C</td>
<td>3380 mm</td>
<td>10915 mm</td>
<td>7345 mm</td>
<td>7565 mm</td>
<td>11445 mm</td>
<td>11820 mm</td>
<td></td>
<td>4735 mm</td>
<td>24300 kg</td>
<td>20900 kg</td>
</tr>
<tr>
<td>D</td>
<td>4000 mm</td>
<td>11025 mm</td>
<td>5700 mm</td>
<td>2720 mm</td>
<td>12025 mm</td>
<td>12830 mm</td>
<td></td>
<td>4735 mm</td>
<td>24400 kg</td>
<td>18900 kg</td>
</tr>
<tr>
<td>E</td>
<td>4800 mm</td>
<td>11485 mm</td>
<td>5700 mm</td>
<td>2720 mm</td>
<td>12565 mm</td>
<td>13680 mm</td>
<td></td>
<td>4885 mm</td>
<td>24400 kg</td>
<td>16500 kg</td>
</tr>
</tbody>
</table>
### PC400LC-7 HYDRAULIC EXCAVATOR

**Equipment:**
- Reach from swing center
- Bucket hook height
- Lifting capacity
- Rating over front
- Rating over side
- Rating at maximum reach

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#### PC400LC-7

<table>
<thead>
<tr>
<th>Boom: 7900 mm 22'2&quot;</th>
<th>Bucket: 390 mm 15&quot;</th>
<th>Shovel: 900 mm 35.5&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>B A</strong></td>
<td><strong>3.0 m 10’</strong></td>
<td><strong>4.6 m 15’</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Cl</strong></td>
<td><strong>Cs</strong></td>
</tr>
<tr>
<td><strong>-7.6 m</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-7.6 m</td>
<td>25’</td>
<td>25’</td>
</tr>
<tr>
<td></td>
<td><strong>10500</strong></td>
<td><strong>10500</strong></td>
</tr>
<tr>
<td></td>
<td><em>9500</em>*</td>
<td><em>9500</em>*</td>
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<tr>
<td></td>
<td>9000</td>
<td>9000</td>
</tr>
<tr>
<td></td>
<td><em>22,100</em></td>
<td><em>22,100</em></td>
</tr>
<tr>
<td>6.1 m</td>
<td>20’</td>
<td>20’</td>
</tr>
<tr>
<td></td>
<td><strong>10500</strong></td>
<td><strong>10500</strong></td>
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<tr>
<td></td>
<td><em>9500</em>*</td>
<td><em>9500</em>*</td>
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<td></td>
<td>9000</td>
<td>9000</td>
</tr>
<tr>
<td></td>
<td><em>22,100</em></td>
<td><em>22,100</em></td>
</tr>
<tr>
<td>4.6 m</td>
<td>15’</td>
<td>15’</td>
</tr>
<tr>
<td></td>
<td><strong>10500</strong></td>
<td><strong>10500</strong></td>
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<tr>
<td></td>
<td><em>9500</em>*</td>
<td><em>9500</em>*</td>
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<td></td>
<td>9000</td>
<td>9000</td>
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<tr>
<td></td>
<td><em>22,100</em></td>
<td><em>22,100</em></td>
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<tr>
<td>3.0 m</td>
<td>10’</td>
<td>10’</td>
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<tr>
<td></td>
<td><strong>10500</strong></td>
<td><strong>10500</strong></td>
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<tr>
<td></td>
<td><em>9500</em>*</td>
<td><em>9500</em>*</td>
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<tr>
<td></td>
<td>9000</td>
<td>9000</td>
</tr>
<tr>
<td></td>
<td><em>22,100</em></td>
<td><em>22,100</em></td>
</tr>
<tr>
<td>1.5 m</td>
<td>5’</td>
<td>5’</td>
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<tr>
<td></td>
<td><strong>17650</strong></td>
<td><strong>17650</strong></td>
</tr>
<tr>
<td></td>
<td><em>16500</em></td>
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<tr>
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</tr>
<tr>
<td></td>
<td><em>22,100</em></td>
<td><em>22,100</em></td>
</tr>
<tr>
<td>0.0 m</td>
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<td></td>
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<tr>
<td></td>
<td><strong>17650</strong></td>
<td><strong>17650</strong></td>
</tr>
<tr>
<td></td>
<td><em>16500</em></td>
<td><em>16500</em></td>
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<tr>
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<tr>
<td></td>
<td><em>22,100</em></td>
<td><em>22,100</em></td>
</tr>
<tr>
<td><strong>-3.0 m</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-3.0 m</td>
<td>10’</td>
<td>10’</td>
</tr>
<tr>
<td></td>
<td><strong>22900</strong></td>
<td><strong>22900</strong></td>
</tr>
<tr>
<td></td>
<td><em>21000</em></td>
<td><em>21000</em></td>
</tr>
<tr>
<td></td>
<td>9000</td>
<td>9000</td>
</tr>
<tr>
<td></td>
<td><em>22,100</em></td>
<td><em>22,100</em></td>
</tr>
<tr>
<td>-4.6 m</td>
<td>15’</td>
<td>15’</td>
</tr>
<tr>
<td></td>
<td><strong>15000</strong></td>
<td><strong>15000</strong></td>
</tr>
<tr>
<td></td>
<td><em>13650</em></td>
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</tr>
<tr>
<td></td>
<td><em>22,100</em></td>
<td><em>22,100</em></td>
</tr>
</tbody>
</table>

**PC400LC-7 Ratings are based on ISO Standard No. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.**

*Load is limited by hydraulic capacity rather than tipping.*
Hydraulic Excavator

### PC400LC-7

#### Ratings

- **PC400LC-7 Arm:** 4800 mm (15' 9")
- **Boom:** 7060 mm (23' 2")
- **Shoe:** 900 mm (35.5")
- **Unit:** kg (lb)

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

#### Standard Track Lifting Capacity

- **A3.0 m**
  - **10'**
    - **3.0 m**
      - **10'**
        - **1.5 m**
          - **20'**
            - **0.0 m**
              - **–7.6 m**
                - **1.5 m**
                  - **6.1 m**
                    - **3.0 m**
                      - **1.5 m**
                        - **–7.6 m**
                          - **–25’**
                            - **–5’**
                              - **–3.0 m**
                                - **–25’**
                                  - **–1.5 m**
                                    - **–7.6 m**
                                      - **–1.5 m**
                                        - **X**
                                          - **Z**
                                            - **Y**
                                              - **W**
                                                - **V**
                                                  - **U**
                                                    - **T**
                                                      - **S**
                                                        - **R**
                                                          - **Q**
                                                            - **P**
                                                              - **O**
                                                                - **N**
                                                                  - **M**
                                                                    - **L**
                                                                      - **K**
                                                                        - **J**
                                                                         - **I**
                                                                          - **H**
                                                                           - **G**
                                                                            - **F**
                                                                             - **E**
                                                                              - **D**
                                                                                - **C**
                                                                                 - **B**
                                                                                  - **A**
                                                                                      - **X**
                                                                                        - **Y**
                                                                                          - **Z**
                                                                                           - **W**
                                                                                            - **V**
                                                                                               - **U**
                                                                                                 - **T**
                                                                                                   - **S**
                                                                                                    - **R**
                                                                                                     - **Q**
                                                                                                      - **P**
                                                                                                       - **O**
                                                                                                        - **N**
                                                                                                         - **M**
                                                                                                          - **L**
                                                                                                            - **K**
                                                                                                              - **J**
                                                                                                               - **I**
                                                                                                                  - **H**
                                                                                                                     - **G**
                                                                                                                       - **F**
                                                                                                                          - **E**
                                                                                                                            - **D**
                                                                                                                              - **C**
                                                                                                                                - **B**
                                                                                                                                  - **A**

#### Bucket Arms

- **Bucket Arms**
- **Bucket Number**
- **OLW**
- **Capacity**
- **Weight of Teeth**
- **Unit:** m (yd)
- **Unit:** mm (in)
- **Unit:** kg (lb)

<table>
<thead>
<tr>
<th>Bucket Number</th>
<th>Type Capacity</th>
<th>OLW</th>
<th>Weight of Teeth</th>
<th>Unit: m</th>
<th>Unit: mm</th>
<th>Unit: kg</th>
<th>Unit: lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.4 m 7 10&quot;</td>
<td>V V V V V V</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.9 m 9 6&quot;</td>
<td>V V V V V V</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.4 m 11 1&quot;</td>
<td>V V V V V V</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.0 m 13 1&quot;</td>
<td>V V V V V V</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.8 m 15 9&quot;</td>
<td>V V V V V V</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Backhoe Bucket and Arm Combination

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

#### Backhoe Bucket and Arm Combination

- **Backhoe Bucket and Arm Combination**
- **Capacity**
- **OLW**
- **Weight of Teeth**
- **Unit:** m (yd)
- **Unit:** mm (in)
- **Unit:** kg (lb)

<table>
<thead>
<tr>
<th>Bucket Type</th>
<th>Capacity</th>
<th>OLW</th>
<th>Weight of Teeth</th>
<th>Number of Teeth</th>
<th>2.4 m 7 10&quot;</th>
<th>2.9 m 9 6&quot;</th>
<th>3.4 m 11 1&quot;</th>
<th>4.0 m 13 1&quot;</th>
<th>4.8 m 15 9&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Komatsu GS</td>
<td>1.12 m³</td>
<td>1.47 yd³</td>
<td>762 mm 30&quot;</td>
<td>1266 kg 2,790 lb</td>
<td>V V V V V V</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1.35 m³</td>
<td>1.76 yd³</td>
<td>914 mm 36&quot;</td>
<td>1393 kg 3,072 lb</td>
<td>V V V V V V</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1.64 m³</td>
<td>2.15 yd³</td>
<td>1067 mm 42&quot;</td>
<td>1536 kg 3,386 lb</td>
<td>V V V V V V</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1.94 m³</td>
<td>2.54 yd³</td>
<td>1219 mm 48&quot;</td>
<td>1645 kg 3,829 lb</td>
<td>V V V V V V</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2.24 m³</td>
<td>2.94 yd³</td>
<td>1372 mm 54&quot;</td>
<td>1790 kg 3,947 lb</td>
<td>V V V V V V</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2.55 m³</td>
<td>3.34 yd³</td>
<td>1524 mm 60&quot;</td>
<td>1903 kg 4,195 lb</td>
<td>V V V V V V</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2.87 m³</td>
<td>3.75 yd³</td>
<td>1676 mm 66&quot;</td>
<td>2045 kg 4,509 lb</td>
<td>V V V V V V</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3.17 m³</td>
<td>4.15 yd³</td>
<td>1828 mm 72&quot;</td>
<td>2188 kg 4,823 lb</td>
<td>V V V V V V</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Ratings are based on ISO Standard No. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

*Load is limited by hydraulic capacity rather than tipping.*
### PC400LC-7 Hydraulic Excavator Specifications

**Equipment:**
- Reach from swing center
- Bucket hook height
- Lifting capacity

**Cl:** Rating over front
**Cs:** Rating over side
**H:** Rating at maximum reach

#### Variable Gauge Lifting Capacity

**Load is limited by hydraulic capacity rather than tipping.**

<table>
<thead>
<tr>
<th>Model</th>
<th>Boom: 7900 mm 28'2&quot;</th>
<th>Shoe: 900 mm 35.5&quot;</th>
<th>Unit: kg lb</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>B</strong></th>
<th><strong>A</strong></th>
<th><strong>3.0 m 10°</strong></th>
<th><strong>4.6 m 15°</strong></th>
<th><strong>6.1 m 20°</strong></th>
<th><strong>7.6 m 25°</strong></th>
<th><strong>9.1 m 30°</strong></th>
<th><strong>Maximum</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cl</strong></td>
<td><strong>Cs</strong></td>
<td><strong>Cl</strong></td>
<td><strong>Cs</strong></td>
<td><strong>Cl</strong></td>
<td><strong>Cs</strong></td>
<td><strong>Cl</strong></td>
<td><strong>Cs</strong></td>
</tr>
<tr>
<td>-7.6 m</td>
<td>25°</td>
<td>-0.0 m</td>
<td>-10'</td>
<td>-15'</td>
<td>-20'</td>
<td>-25'</td>
<td>-30'</td>
</tr>
<tr>
<td>6.1 m</td>
<td><strong>-10050</strong></td>
<td><strong>9750</strong></td>
<td><strong>9500</strong></td>
<td><strong>9200</strong></td>
<td><strong>8900</strong></td>
<td><strong>8600</strong></td>
<td><strong>8300</strong></td>
</tr>
<tr>
<td><strong>22,150</strong></td>
<td><strong>21,400</strong></td>
<td><strong>20,700</strong></td>
<td><strong>20,000</strong></td>
<td><strong>19,300</strong></td>
<td><strong>18,600</strong></td>
<td><strong>17,900</strong></td>
<td><strong>17,200</strong></td>
</tr>
<tr>
<td>7.6 m</td>
<td><strong>-13000</strong></td>
<td><strong>11500</strong></td>
<td><strong>11200</strong></td>
<td><strong>10900</strong></td>
<td><strong>10600</strong></td>
<td><strong>10300</strong></td>
<td><strong>10000</strong></td>
</tr>
<tr>
<td><strong>-23,000</strong></td>
<td><strong>21,500</strong></td>
<td><strong>20,000</strong></td>
<td><strong>18,500</strong></td>
<td><strong>17,000</strong></td>
<td><strong>15,500</strong></td>
<td><strong>14,000</strong></td>
<td><strong>12,500</strong></td>
</tr>
<tr>
<td>9.1 m</td>
<td><strong>-15000</strong></td>
<td><strong>12650</strong></td>
<td><strong>12350</strong></td>
<td><strong>12050</strong></td>
<td><strong>11750</strong></td>
<td><strong>11450</strong></td>
<td><strong>11150</strong></td>
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<tr>
<td><strong>-25,000</strong></td>
<td><strong>22,500</strong></td>
<td><strong>20,000</strong></td>
<td><strong>17,500</strong></td>
<td><strong>15,000</strong></td>
<td><strong>12,500</strong></td>
<td><strong>10,000</strong></td>
<td><strong>7,500</strong></td>
</tr>
</tbody>
</table>

**Note:** Ratings are based on ISO Standard No. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

*Load is limited by hydraulic capacity rather than tipping.*
## HYDRAULIC EXCAVATOR

### PC400LC-7

**Equipment:**
- Reach from swing center
- Bucket hook height
- Lifting capacity
- Rating at maximum reach

### VARIABLE GAUGE LIFTING CAPACITY

Ratings are based on ISO Standard No. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

*Load is limited by hydraulic capacity rather than tipping.*

### Backhoe Bucket and Arm Combination

<table>
<thead>
<tr>
<th>Bucket Type</th>
<th>Capacity</th>
<th>LOW</th>
<th>Weight</th>
<th>Number of Teeth</th>
<th>2.4 m</th>
<th>2.9 m</th>
<th>3.4 m</th>
<th>4.0 m</th>
<th>4.5 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>Komatsu GS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.12 m³</td>
<td>1.47 yd³</td>
<td>792 mm</td>
<td>30&quot;</td>
<td>1266 kg</td>
<td>V</td>
<td>V</td>
<td>V</td>
<td>V</td>
<td>V</td>
</tr>
<tr>
<td>1.35 m³</td>
<td>1.76 yd³</td>
<td>914 mm</td>
<td>36&quot;</td>
<td>1393 kg</td>
<td>V</td>
<td>V</td>
<td>V</td>
<td>V</td>
<td>V</td>
</tr>
<tr>
<td>1.64 m³</td>
<td>2.15 yd³</td>
<td>1067 mm</td>
<td>42&quot;</td>
<td>1536 kg</td>
<td>V</td>
<td>V</td>
<td>V</td>
<td>V</td>
<td>V</td>
</tr>
<tr>
<td>1.94 m³</td>
<td>2.54 yd³</td>
<td>1219 mm</td>
<td>54&quot;</td>
<td>1646 kg</td>
<td>V</td>
<td>V</td>
<td>V</td>
<td>V</td>
<td>V</td>
</tr>
<tr>
<td>2.25 m³</td>
<td>2.84 yd³</td>
<td>1372 mm</td>
<td>54&quot;</td>
<td>1730 kg</td>
<td>5</td>
<td>2.5</td>
<td>V</td>
<td>V</td>
<td>W</td>
</tr>
<tr>
<td>2.55 m³</td>
<td>3.34 yd³</td>
<td>1524 mm</td>
<td>60&quot;</td>
<td>1903 kg</td>
<td>5</td>
<td>2.5</td>
<td>V</td>
<td>V</td>
<td>W</td>
</tr>
<tr>
<td>2.87 m³</td>
<td>3.75 yd³</td>
<td>1676 mm</td>
<td>66&quot;</td>
<td>2045 kg</td>
<td>6</td>
<td>W</td>
<td>W</td>
<td>W</td>
<td>X</td>
</tr>
<tr>
<td>3.17 m³</td>
<td>4.15 yd³</td>
<td>1676 mm</td>
<td>66&quot;</td>
<td>2156 kg</td>
<td>6</td>
<td>W</td>
<td>W</td>
<td>Y</td>
<td>Y</td>
</tr>
</tbody>
</table>

V – Used with weights up to 3,500 lb/yd³, W – Used with weights up to 3,000 lb/yd³, X – Used with weights up to 2,500 lb/yd³, Y – Used with weights up to 2,000 lb/yd³, Z – Not usable
OPTIONAL EQUIPMENT

- Additional fuel filter with water separator
- Air conditioner with defroster, hot & cool box
- Alternator, 50 Ampere, 24V
- Auto-Decel
- Automatic engine warm-up system
- Automatic de-airation system for fuel line
- Batteries, 140 Ah/2 x 12V
- Boom and arm holding valves
- Cab, capable OPG (FOG) with optional bolt-on top guard
- Counterweight, 9500 kg 20,943 lb
- Dry type air cleaner, double element
- Electric horn
- EMMS
- Engine, Komatsu SAA6D125E-3
- Engine overheat prevention system
- Fan guard structure
- Hydraulic filters, high pressure
- Hydraulic track adjusters (each side)
- Long lubricating intervals for implement bushings
- Monitor panel, full color
- Power maximizing system
- PPC hydraulic control system
- Radiator & oil cooler dust proof net
- Rear view mirror, RH/LH
- Seat belt, retractable 76 mm 3"
- Seat, suspension
- Service valve
- Starting motor, 11 kW
- Suction fan
- Track guiding guard, center section
- Track roller, 8 each side
- Track shoe ~700 mm 28” triple grouser
- Travel alarm
- Two settings for boom
- Working light, 2 (boom and RH)
- Working mode selection system

STANDARD EQUIPMENT

- Additional fuel filter with water separator
- Air conditioner with defroster, hot & cool box
- Alternator, 50 Ampere, 24V
- Auto-Decel
- Automatic engine warm-up system
- Automatic de-airation system for fuel line
- Batteries, 140 Ah/2 x 12V
- Boom and arm holding valves
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