PC400LC-7
With Tier 3 Engine

FLYWHEEL HORSEPOWER
257 kW 345 HP @ 1900 rpm

OPERATING WEIGHT
43500 – 46275 kg
95,901 – 102,018 lb

BUCKET CAPACITY
1.12 – 2.87 m³ 1.47 – 3.75 yd³

Photo may include optional equipment
PC400LC-7 HYDRAULIC EXCAVATOR

WALK-AROUND

Productivity Features

- **High Production and Low Fuel Consumption**
  High power, working performance and fuel efficiency improve production and fuel costs.

- **Excellent Machine Stability**
  Large counterweight offers superior machine stability and balance.

- **Higher Lifting Capacity**
  Lifting mode is provided for superb lifting operation.

- **Large Digging Force**
  Pressing the Power Max function button temporarily increases the digging force 7%.

- **Automatic Three-Speed Travel**

- **Two-Mode Setting for Boom**
  Switch selection allows either powerful digging or smooth boom operation.

- **Multi-Function Color Monitor**
  - Working mode selection
  - Self-diagnostic with EMMS
  - Attachment hydraulic oil flow adjustment

Easy Maintenance

- Long replacement interval of engine oil, engine oil filter, hydraulic oil and hydraulic filter
- Equipped with 10 micron fuel pre-filter as standard equipment (with water separator)
- Side-by-side cooling configuration enables individual cooling modules to be serviced
- Equipped with EMMS monitoring system
- Easy access to engine oil filter and fuel drain valve
- Large fuel tank capacity
- KOMTRAX

Safety Features

- High visibility cab
- OPG top guard level 2 capable, with optional bolt on top guard
- Engine neutral start with lock lever
- Slip-resistant plates for improved foot traction

KOMTRAX equipped machines can send location, SMR and operation maps to a secure website utilizing wireless technology. Machines also relay error codes, cautions, maintenance items, fuel levels, and much more.
**Ecology and Economy Features**

- Low emission engine
  A powerful turbocharged and air-to-air aftercooled Komatsu SAA6D125E-5 engine provides 257 kW **345 HP**. This engine is EPA Tier 3 and EU stage 3A emission certified, without sacrificing power or machine productivity.
- Economy mode reduces fuel consumption
- Low operational noise

**Excellent Reliability and Durability**

- Highly rigid work equipment
- Sturdy frame structure
- Reliable Komatsu manufactured major components
- Highly reliable electronic devices
- Reduced revolving frame damage

**Large Comfortable Cab**

- Multi-position controls
- Low cab noise
- Low vibration with cab damper mounting
- Highly pressurized cab with automatic air conditioner

**Variable Track Gauge (optional)**

- Greatly increases lateral stability
- Compliant with transportation regulations
Komatsu’s new “ecot3” engines are designed to deliver optimum performance under the toughest of conditions while meeting the latest environmental regulations. This engine is Tier 3 EPA, EU Stage 3A and Japan emissions certified. “ecot3” – ecology and economy combined with Komatsu technology to create a high performance engine without sacrificing power or productivity.

**Environment-Friendly Clean Engine**

The PC400LC-7 gets its exceptional power and work capacity from a Komatsu SAA6D125E-5 engine. Output is 257 kW (345 HP), providing increased hydraulic power and improved fuel efficiency.

The Komatsu SAA6D125E-5 engine is EPA Tier 3 and EU stage 3A emission certified with NOx emission reduced by 38%.

The SAA6D125E-5 engine adopts the electronically controlled Heavy Duty HPCR (High Pressure Common Rail) fuel injection system and the world's first cooled EGR system with electronically controlled bypass-assist type venturi.

**Low Operation Noise**

The dynamic noise is lowered by 1 dB, realizing low noise operation.

**Excellent Machine Stability**

Large counterweight offers superior machine stability and balance.
Large Digging Force
With the one-touch Power Max function digging force has been further increased (8.5 seconds of operation).

Maximum arm crowd force (ISO):
200 kN (20.4t) ➞ 214 kN (21.8t) 7% UP
(with Power Max)

Maximum bucket digging force (ISO):
256 kN (26.1t) ➞ 275 kN (28.0t) 7% UP
(with Power Max)

*Measured with Power Max function, 3380 mm 11’1” arm and ISO rating

Smooth Loading Operation
Two return hoses improve hydraulic performance. In the arm out function, a portion of the oil is returned directly to the tank providing smooth operation.

Two-Mode Setting for Boom
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.

Variable Track Gauge (optional)
● Lateral stability is significantly improved when operating with the gauge extended.
● Lateral stability is greatly and effectively increased (compared with the fixed gauge version).
● With track frames retracted, overall width complies with many local transportation regulations.

Economy Mode
Economy mode is environmentally friendly. Fuel consumption is reduced 11% (compared with PC400LC-7 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 attachment requirements.

Automatic Three-Speed Travel
Travel speed is automatically shifted between high/mid/low speeds according to the pressure required to travel.
**PC400LC-7 cab interior** is spacious and provides a comfortable working environment...

**Large Comfortable Cab**

**Multi-Position Controls**

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

**Low Cab Noise**

The cab is highly rigid and has excellent sound absorption. Through improvements in noise source reduction and the use of low-noise engine, hydraulic equipment, and air conditioner, this machine generates a low level of noise.

**Low Vibration with Cab Damper Mounting**

PC400LC-7 uses a multi-layer viscous mount system that incorporates longer stroke and the addition of a spring. The new cab damper mounting, combined with a high rigidity deck, aids vibration reduction at the operator seat.

**Comfortable Cab**

A wide spacious cab includes a seat with a reclining backrest. The seat height and longitudinal incline are easily adjusted using a pull-up lever. The seat can be reclined to a fully-flat state with the headrest attached.

**Automatic Air Conditioner**

A 6900 kcal 27,400 Btu air conditioner is utilized. The bi-level control function keeps the operator's head cool and feet warm. This improved air flow function keeps the inside of the cab comfortable throughout the year. The defroster function keeps the cab glass clear.

**Pressurized Cab**

With automatic air conditioner, air filter and a higher internal air pressure (+6.0 mm Aq +0.2"Aq), external dust is prevented from entering the cab.
Safety Features

Cab
OPG top guard level 2 capable, with optional bolt-on top guard.

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

Lock Lever
Makes all hydraulic cab controls inoperable. Neutral start function allows machine to be started only in lock position.

Pump/Engine Room Partition
Pump/engine room partition prevents oil from spraying onto the engine if a hydraulic hose should fail.

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

Wide Visibility
Highly rigid cab allows for increased glass area and provides superior all-around visibility of work area.
PC400LC-7 HYDRAULIC EXCAVATOR

MAINTENANCE FEATURES

Self-Diagnostic Monitor

The PC400LC-7 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 turning starting switch ON, check-before-starting items and caution items appear on the liquid crystal panel. 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 allows 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 machine exceeds oil or filter replacement time, the oil maintenance monitor display lights to inform operator.

Trouble Data Memory Function

Monitor stores abnormalities for effective troubleshooting.

Easy Maintenance

Komatsu designed the PC400LC-7 to have easy service access. We know by doing this, routine maintenance and servicing are more likely to be performed, which can mean a reduction in costly downtime later on. Here are some of the many service features found on the PC400LC-7.

Easy Radiator Cleaning

Since radiator and oil cooler are arranged in side-by-side modules, it is easy to clean, remove and install them.

Easy Access to Engine Oil Filter and Fuel Drain Valve

Engine oil dipstick and fuel filter are mounted on the same side to improve accessibility.

Fuel drain valve and engine oil filter are remotely mounted to improve accessibility.

Equipped with Fuel Pre-Filter (with water separator)

Removes water and contaminants in the fuel to prevent fuel problems.

Equipped with Eco-Drain Valve as Standard

Provides for easier and cleaner engine oil changes.
Maintenance Costs Reduced

Long Replacement Interval of Hydraulic and Engine Oil and Filters
High performance filters are used in the hydraulic circuit and engine. Longer hydraulic oil, hydraulic oil filter, engine oil and engine oil filter element replacement intervals significantly reduce maintenance costs.

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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Engine oil</td>
<td>every 500 hours</td>
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<tr>
<td>Engine oil filter</td>
<td></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>

Long Work Equipment Greasing Interval
High quality BMRC bushings and resin shims are utilized in the work equipment pins, excluding bucket, extending greasing interval to 500 hours.

Large Capacity Air Cleaner
Large capacity air cleaner is comparable to those installed in larger machines. The large air cleaner extends filter element life and service intervals.

Large Fuel Tank Capacity
Large fuel tank capacity extends operating hours before refueling. Fuel tank is treated for rust prevention and improved corrosion resistance.

High Pressure In-Line Filters
In-line filters are provided at the outlet port (pressure side) of each pump to protect the hydraulic system from contamination due to the unlikely event of a pump failure.
High Rigidity Work Equipment

Boom and arms are constructed of 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 by 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
- Connectors
- Sensors
- Heat resistant wiring

Metal Guard Rings Protect All the Hydraulic Cylinders and Improve Reliability

DT-Type Connectors

DT-type connectors seal tightly and have higher reliability.

O-Ring Face Seal

Hydraulic hoses are equipped with O-ring seals versus conventional taper seal to provide extended leak-free life.

Reduced Revolving Frame Damage

Damage to the revolving frame is reduced by increasing the clearance between the revolving frame and track.

Clearance: approx. 200mm 7.9"
LCD Multi-Function Color Monitor

LCD (Liquid Crystal Display) Color Graphics Screen

LCD multi-color monitor can display color graphics as well as character display. Color variation in the display screen contributes to improved visibility.

Hydraulic Pump Oil Flow Adjustment System

When installing attachments, hydraulic pump flow adjustments can be made to match attachment requirements. Selection is possible through the LCD monitor.

Breaker mode selected, one-way flow.

Flow rate can be adjusted according to the breaker requirement.

P or E mode selected, two-way flow (thumb, shear)

Flow rate can be adjusted according to the attachment requirements. When work equipment and the attachment are operated simultaneously, hydraulic flow is distributed to maintain smooth compound operation.

Indicators

1. Working mode
2. Service meter
3. Travel speed
4. Engine water temperature gauge
5. Hydraulic oil temperature gauge
6. Fuel gauge
7. Swing parking brake
8. Preheater
9. Wiper
10. Auto-decelerator
11. Power Max.

Switches

1. Power mode
2. Economy mode
3. Lifting mode
4. Breaker mode
5. Buzzer cancel
6. Selector switch
7. Auto-decelerator
8. Travel speed selection
9. Screen adjustment switch
10. Maintenance mode
11. Windshield wiper
12. Windshield washer
13. Input control switches
PC400LC-7 HYDRAULIC EXCAVATOR

SPECIFICATIONS

ENGINE

- Model: Komatsu SAA6D115E-5
- Type: Water-cooled, 4-cycle, direct injection
- Aspiration: Turbocharged, aftercooled, cooled EGR
- Number of cylinders: 6
- Bore: 125 mm
- Stroke: 150 mm
- Piston displacement: 11.04 ltr
- Horsepower:
  - SAE J1995: Gross 270 kW 362 HP
  - ISO 9249 / SAE J1349: Net 257 kW 345 HP
- Rated rpm: 1900 rpm
- Fan drive type: Mechanical
- Governor: All-speed control, electronic
- EPA Tier 3 and EU stage 3A 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:
  - Type: Variable displacement piston type
  - Pump 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 motors with parking brake
  - Swing: 1 x axial piston motor with swing holding brake
- Relief valve setting:
  - Implement circuits: 37.3 MPa 548 kgf/cm² 5000 psi
  - Travel circuit: 37.3 MPa 548 kgf/cm² 5000 psi
  - Swing circuit: 27.9 MPa 425 kgf/cm² 4050 psi
  - Pilot circuit: 3.2 MPa 47 kgf/cm² 680 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" (for 2.4 m 7.9' arm)
    - 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 73,880 lb
- Gradeability: 70%, 35%
- Maximum travel speed:
  - High: 5.5 km/h 3.4 mph
  - Mid: 4.4 km/h 2.7 mph
  - 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
- Track type: Sealed
- Track adjuster: Hydraulic
- Number of shoes (each side): 49
- Number of carrier rollers: 2 each side
- Number of track rollers (each side): 8
- Fuel tank: 650 ltr 172 U.S. gal
- Coolant: 36.8 ltr 9.7 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

COOLANT AND LUBRICANT CAPACITY (REFILLING)

- PC400LC-7
  - Fuel: 650 ltr 172 U.S. gal
  - Coolant: 36.8 ltr 9.7 U.S. gal
  - Engine: 38.0 ltr 10.0 U.S. gal
  - Final drive: 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 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.

WORKING FORCES

- Bucket digging force at Power Max:
  - PC400LC-7:
    - 24600 kgf 28,405 lb
  - SAE rating:
    - 28200 kgf 62,170 lb
- Arm crowd force at Power Max:
  - PC400LC-7:
    - 26200 kgf 57,780 lb
  - SAE rating:
    - 27500 kgf 60,630 lb
- Bucket digging force at Power Max:
  - PC400LC-7:
    - 28000 kgf 61,950 lb
  - SAE rating:
    - 27500 kgf 60,630 lb
- Arm crowd force at Power Max:
  - PC400LC-7:
    - 25900 kgf 57,180 lb
  - SAE rating:
    - 27500 kgf 60,630 lb
DIMENSIONS

BACKHOE BUCKET, ARM, AND BOOM COMBINATION

<table>
<thead>
<tr>
<th>Bucket Type</th>
<th>Capacity</th>
<th>Width</th>
<th>Weight</th>
<th>Arms</th>
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</thead>
<tbody>
<tr>
<td>Komatsu GSK</td>
<td>1.12 m³</td>
<td>762 mm</td>
<td>30&quot;</td>
<td>7'10&quot;</td>
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<td>1.35 m³</td>
<td>914 mm</td>
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<td>9'6&quot;</td>
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<tr>
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<td>1.64 m³</td>
<td>1067 mm</td>
<td>42&quot;</td>
<td>11'1&quot;</td>
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<td>1.94 m³</td>
<td>1219 mm</td>
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<td>13'1&quot;</td>
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<td>2.25 m³</td>
<td>1372 mm</td>
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<td>15'9&quot;</td>
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<td>2.55 m³</td>
<td>1524 mm</td>
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<tr>
<td>Komatsu HP</td>
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<td>762 mm</td>
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<td>7'10&quot;</td>
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<td>Komatsu HPX</td>
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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
PC400LC-7 HYDRAULIC EXCAVATOR

WORKING RANGES

<table>
<thead>
<tr>
<th>Arm</th>
<th>2400 mm</th>
<th>7'10&quot;</th>
<th>2900 mm</th>
<th>9'6&quot;</th>
<th>3380 mm</th>
<th>11'1&quot;</th>
<th>4000 mm</th>
<th>13'1&quot;</th>
<th>4800 mm</th>
<th>15'9&quot;</th>
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<tbody>
<tr>
<td>A Max. digging height</td>
<td>10310 mm</td>
<td>33'10&quot;</td>
<td>10285 mm</td>
<td>33'9&quot;</td>
<td>10915 mm</td>
<td>35'10&quot;</td>
<td>11025 mm</td>
<td>36'2&quot;</td>
<td>11485 mm</td>
<td>37'8&quot;</td>
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<tr>
<td>B Max. dumping height</td>
<td>7070 mm</td>
<td>23'2&quot;</td>
<td>7080 mm</td>
<td>23'3&quot;</td>
<td>7565 mm</td>
<td>24'10&quot;</td>
<td>7715 mm</td>
<td>25'4&quot;</td>
<td>8145 mm</td>
<td>26'9&quot;</td>
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<td>C Max. digging depth</td>
<td>6845 mm</td>
<td>22'6&quot;</td>
<td>7345 mm</td>
<td>24'1&quot;</td>
<td>7820 mm</td>
<td>25'8&quot;</td>
<td>8445 mm</td>
<td>27'6&quot;</td>
<td>9255 mm</td>
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<td>D Max. vertical wall</td>
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<td>17'5&quot;</td>
<td>5700 mm</td>
<td>18'8&quot;</td>
<td>6870 mm</td>
<td>22'6&quot;</td>
<td>7285 mm</td>
<td>23'11&quot;</td>
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<td>E Max. digging depth of</td>
<td>6650 mm</td>
<td>21'10&quot;</td>
<td>7155 mm</td>
<td>23'6&quot;</td>
<td>7680 mm</td>
<td>25'2&quot;</td>
<td>8315 mm</td>
<td>27'3&quot;</td>
<td>9145 mm</td>
<td>30'0&quot;</td>
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<tr>
<td>cut for 8' level</td>
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<tr>
<td>F Max. digging reach</td>
<td>11080 mm</td>
<td>36'4&quot;</td>
<td>11445 mm</td>
<td>37'7&quot;</td>
<td>12025 mm</td>
<td>39'5&quot;</td>
<td>12565 mm</td>
<td>41'3&quot;</td>
<td>13365 mm</td>
<td>43'10&quot;</td>
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<tr>
<td>G Max. digging reach at</td>
<td>10855 mm</td>
<td>35'7&quot;</td>
<td>11230 mm</td>
<td>36'10&quot;</td>
<td>11820 mm</td>
<td>38'9&quot;</td>
<td>12365 mm</td>
<td>40'7&quot;</td>
<td>13180 mm</td>
<td>43'3&quot;</td>
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<tr>
<td>ground level</td>
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<tr>
<td>H Min. swing radius</td>
<td>4835 mm</td>
<td>15'10&quot;</td>
<td>4810 mm</td>
<td>15'9&quot;</td>
<td>4735 mm</td>
<td>15'6&quot;</td>
<td>4800 mm</td>
<td>15'9&quot;</td>
<td>4885 mm</td>
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</tbody>
</table>
# Hydraulic Excavator

## Lifting Capacities

### Standard Track Lifting Capacity

**Conditions:**
- Boom length: 7060 mm 23'2"
- Bucket: 1.90 m³ 2.49 yd³
- Bucket weight: 1356 kg 2,990 lb.
- Lifting mode: On

<table>
<thead>
<tr>
<th>A: Reach from swing center</th>
<th>B: Bucket hook height</th>
<th>C: Lifting capacity</th>
<th>Cf: Rating over front</th>
<th>Cs: Rating over side</th>
<th>Rating at maximum reach</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PC400LC-7</strong></td>
<td></td>
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<tr>
<td><strong>Arm:</strong></td>
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<tr>
<td>3.0 m 10'</td>
<td>4.6 m 15'</td>
<td>6.1 m 20'</td>
<td>7.6 m 25'</td>
<td>9.1 m 30'</td>
<td>10.7 m 35'</td>
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<tr>
<td>Arm:</td>
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<tr>
<td>2.400 mm 8'10&quot;</td>
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<td>1356 kg 2,990 lb.</td>
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<td><strong>Shoe:</strong></td>
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<td>900 mm 35.5&quot;</td>
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<tr>
<td>kg</td>
<td>lb</td>
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<tr>
<td><strong>A:</strong> Reach from swing center</td>
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</tr>
<tr>
<td><strong>B:</strong> Bucket hook height</td>
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<tr>
<td><strong>C:</strong> Lifting capacity</td>
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<td><strong>Cs:</strong> Rating over side</td>
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### PC400LC-7

<table>
<thead>
<tr>
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<th>A</th>
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<th>9.1 m 30'</th>
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<tr>
<td></td>
<td>Cf</td>
<td>Cs</td>
<td>Cf</td>
<td>Cs</td>
<td>Cf</td>
<td>Cs</td>
<td>Cf</td>
<td>Cs</td>
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<td>8800</td>
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<td>26.700</td>
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**Ratings are based on ISO Standard No. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.**

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

### LIFTING CAPACITIES

**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**

Arm: 3380 mm 11’1”
Shoe: 900 mm 35.5”

<table>
<thead>
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<th>B</th>
<th>A</th>
<th>3.0 m 10’</th>
<th>4.6 m 15’</th>
<th>6.1 m 20’</th>
<th>7.6 m 25’</th>
<th>9.1 m 30’</th>
<th>10.7 m 35’</th>
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<td>–6.1 m –20’</td>
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</table>

**PC400LC-7**

Arm: 4000 mm 13’1”
Shoe: 900 mm 35.5”

<table>
<thead>
<tr>
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<th>A</th>
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<th>4.6 m 15’</th>
<th>6.1 m 20’</th>
<th>7.6 m 25’</th>
<th>9.1 m 30’</th>
<th>10.7 m 35’</th>
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<tr>
<td></td>
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<td>Cc</td>
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<td>1.5 m 5’</td>
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<td>–1.5 m –5’</td>
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<td>–6.1 m –20’</td>
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</tr>
</tbody>
</table>

**Conditions:**
- Boom length: 7060 mm 23’2"
- Bucket: 1.90 m³ 2.49 yd³
- Bucket weight: 1356 kg 2,990 lb.
- Lifting mode: On

---

**STANDARD TRACK LIFTING CAPACITY continued**

A: Reach from swing center
B: Bucket hook height
C: Lifting capacity
Cl: Rating over front
Cc: Rating over side
*Rated at maximum reach*
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:  
- Boom length: 7060 mm 23'2"  
- Bucket: 1.90 m³ 2.49 yd³  
- Bucket weight: 1356 kg 2,990 lb.  
- Lifting mode: On

<table>
<thead>
<tr>
<th>PC400LC-7</th>
<th>Arm: 4800 mm 15'9&quot;</th>
<th>Shoe: 900 mm 35.5&quot;</th>
<th>Unit: kg lb</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A</strong></td>
<td>3.0 m 10'</td>
<td>4.6 m 15'</td>
<td>6.1 m 20'</td>
</tr>
<tr>
<td><strong>B</strong></td>
<td>Cl</td>
<td>Cs</td>
<td>Cl</td>
</tr>
<tr>
<td>0.0 m 0'</td>
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<td></td>
</tr>
<tr>
<td>0.0 m 0'</td>
<td>10450</td>
<td>22,900</td>
<td>10450</td>
</tr>
<tr>
<td>1.5 m 5'</td>
<td>*20800</td>
<td>45,700</td>
<td>*14900</td>
</tr>
<tr>
<td>3.0 m 10'</td>
<td>*12750</td>
<td>26,000</td>
<td>12300</td>
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<tr>
<td>4.6 m 15'</td>
<td>*8450</td>
<td>18,600</td>
<td>6550</td>
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<td>6.1 m 20'</td>
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<td>7.6 m 25'</td>
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<td>9.1 m 30'</td>
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<td>10.7 m 35'</td>
<td>26800</td>
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<td>23,200</td>
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</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

### Lifting Capacities

#### Variable Gauge Lifting Capacity

<table>
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<th>PC400LC-7 VTG</th>
<th>Arm: 2400 mm 7'10&quot;</th>
<th>Shoe: 900 mm 35.5&quot;</th>
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<tbody>
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<tr>
<td>Cl</td>
<td>Cs</td>
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<tr>
<td>3.0 m 10'</td>
<td>4.6 m 15'</td>
<td>6.1 m 20'</td>
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<tr>
<td><strong>35' Maximum</strong></td>
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</tbody>
</table>

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

*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.*

---

**Notes:**
- **Unit**: kg, lb
- **Boom length**: 7060 mm 23'2"
- **Bucket**: 1.9 m³ 2.49 yd³
- **Bucket weight**: 1356 kg 2,990 lb.
- **Lifting mode**: On

---

**PC400LC-7 VTG**

<table>
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<th>Arm: 2900 mm 9'6&quot;</th>
<th>Shoe: 900 mm 35.5&quot;</th>
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<tbody>
<tr>
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<tr>
<td>Cl</td>
<td>Cs</td>
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<tr>
<td>3.0 m 10'</td>
<td>4.6 m 15'</td>
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<tr>
<td><strong>35' Maximum</strong></td>
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</table>

**Notes:**
- **Unit**: kg, lb
- **Boom length**: 7060 mm 23'2"
- **Bucket**: 1.9 m³ 2.49 yd³
- **Bucket weight**: 1356 kg 2,990 lb.
- **Lifting mode**: On

---

**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.*

---

*All values are approximate and subject to manufacturing tolerances.*
<table>
<thead>
<tr>
<th>PC400LC-7 VTG</th>
<th>Arm: 3380 mm 111°*</th>
<th>Shoe: 900 mm 35.5°</th>
<th>Unit: kg lb</th>
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<td>B</td>
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<td>Cf</td>
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<tr>
<td>-7.6 m 25°</td>
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<tr>
<td>6.1 m 20°</td>
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<td>Unit: kg lb</td>
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<td>-6.1 m -20°</td>
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</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.
STANDARD EQUIPMENT

- Additional fuel filter with water separator
- Automatic air conditioner with defroster, hot & cool box
- Alternator, 50 Ampere, 24V
- Auto-decel
- Automatic engine warm-up system
- Automatic de-aeration system for fuel line
- Batteries, large capacity 140 Ah/2 x 12V
- Boom and arm holding valves
- Cab, capable OPG (FOG) with optional bolt-on top guard, damper mounted
- Counterweight, 9500 kg 20,943 lb
- Dry type air cleaner, double element
- Electric horn
- EMMS monitoring system
- Engine, Komatsu SAA6D125E-5
- Engine overheat prevention system
- Fan guard structure
- Foot plates, slip resistant
- Frame deck guards, revolving
- Frame undercovers, revolving
- Hydraulic filters, high pressure, in-line
- Hydraulic track adjusters (each side)
- KOMTRAX
- Long lubricating intervals for implement bushings
- Monitor panel, full color, multi-function
- 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

OPTIONAL EQUIPMENT

- Arms
  - 2400 mm 7'10" arm assembly
  - 2900 mm 9'6" arm assembly
  - 3380 mm 11'1" arm assembly
  - 3380 mm 11'1" w/one actuator piping
  - 4000 mm 13'1" arm assembly
  - 4800 mm 15'9" arm assembly
- Cab accessories
  - Rain visor
  - Sun visor
- Cab front guard
  - Full height guard
  - Half height guard
- Converter, 12V
- Counterweight removal device
- Frame undercovers, revolving, heavy-duty
  - Hydraulic control unit
  - Pattern change valve
- Shoes, triple grouser shoes
  - 800 mm 31.5"
  - 900 mm 35.5"
- Straight travel pedal
- Suspension seat, air-ride
- Track roller guards (full length)
- Track frame undercover
- Variable gauge track frame
- Working light, additional front
- Arms
  - 11460 mm 37'8" arm assembly
  - 13200 mm 43'3" arm assembly
  - 16800 mm 55'3" arm assembly

ATTACHMENT OPTIONS

- Genesis demolition tools
  - Concrete cracker
  - Hydraulic concrete processor
  - Hydraulic quick coupler
  - Linkage shear
  - Mechanical processor
  - Quick release mounting pad
  - Severe-duty grapple
- JRB Couplers (Smart-Loc, Roto-Loc)
  - Boom cylinder guards
  - Swinger buckets
  - Top window guard (wire mesh)
  - Vandal protection guards
  - Window guards (Lexan®, wire mesh)
  - Komatsu buckets
  - Komatsu breakers
- Komatsu plate compactors
- Lincoln autolube systems
- PSM thumbs

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