Photos may include optional equipment.
Large Capacity Bucket

SE Boom

SE Arm

Additional Working Light (Optional)

Cab Front Full Height Guard Level 1 (ISO 10262) (Optional)

Large Size Undercarriage
**PRODUCTIVITY, ECOLOGY & ECONOMY**

- Higher Productivity with the Largest Bucket in Class
- Low Fuel Consumption by Total Control of the Engine, Hydraulic and Electronic System
- Low Emission Engine and Low Operation Noise
- Large Drawbar Pull and Digging Force
- Two-mode Setting for Boom

**COMFORT & SAFETY**

- Large Comfortable Cab
- ROPS Cab (ISO 12117-2)
- Rear View Monitor System (Optional)

**ICT* & KOMTRAX**

- Large Multi-lingual High Resolution Liquid Crystal Display (LCD) Monitor
- Equipment Management Monitoring System
- KOMTRAX

**MAINTENANCE & RELIABILITY**

- Large Size Undercarriage
- Easy Maintenance
- High Rigidity Work Equipment

---

**PC390LC-8M0**

<table>
<thead>
<tr>
<th>HORSEPOWER</th>
<th>Gross: 194 kW 260 HP / 1950 min⁻¹</th>
<th>Net: 187 kW 250 HP / 1950 min⁻¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPERATING WEIGHT</td>
<td>38600 – 39900 kg</td>
<td></td>
</tr>
<tr>
<td>BUCKET CAPACITY</td>
<td>2.30 – 2.80 m³</td>
<td></td>
</tr>
</tbody>
</table>

* Information and Communication Technology
**Higher Productivity with the Largest Bucket in Class**

PC390LC-8M0 is equipped with the largest capacity bucket in Komatsu’s 30 ton class. Less number of bucket passes is required to fill a dump truck, thus productivity is increased.

**Bucket capacity**

2.3 m³

2.6 m arm, material density up to 1.8 t/m³

**Low Fuel Consumption**

The newly-developed Komatsu SAA6D114E-3 engine enables NOx emissions to be significantly reduced with the accurate multi-staged fuel injection by the engine controller. It improves total engine durability using the high-pressure fuel injection system developed specifically for construction machinery. This excavator significantly reduces hourly fuel consumption using the highly-efficient matching techniques of the engine and hydraulic unit and also provides features that promote energy-saving operations such as the E mode and ECO gauge.

**Komatsu Technology**

Komatsu develops and produces all major components, such as engines, electronics and hydraulic components, in house. With this “Komatsu Technology” and adding customer feedback, Komatsu is achieving great advancements in technology. To achieve both high levels of productivity and economical performance, Komatsu has developed the main components with a total control system. The result is a new generation of high performance and environment-friendly excavators.

**Low Emission Engine**

Komatsu SAA6D114E-3 reduced NOx emission by 33% compared with the PC350-7. This engine is U.S. EPA Tier 3 and EU Stage 3A emissions equivalent.

**Low Operation Noise**

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

**Idling Caution**

To prevent unnecessary fuel consumption, an idling caution is displayed on the monitor, if the engine idles for 5 minutes or more.
The PC390LC-8M0 excavator is equipped with six working modes (P, E, L, B, ATT/P and ATT/E mode). Each mode is designed to match engine speed and pump output to the application. This provides the flexibility to match equipment performance to the job at hand.

<table>
<thead>
<tr>
<th>Working Mode</th>
<th>Application</th>
<th>Advantage</th>
</tr>
</thead>
<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>• Good cycle times</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Better fuel economy</td>
</tr>
<tr>
<td>L</td>
<td>Lifting mode</td>
<td>• Suitable attachment speed</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Lifting capacity is increased 7% by raising hydraulic pressure.</td>
</tr>
<tr>
<td>B</td>
<td>Breaker mode</td>
<td>• Optimum engine rpm, hydraulic flow</td>
</tr>
<tr>
<td>ATT/P</td>
<td>Attachment</td>
<td>• Optimum engine rpm, hydraulic flow, 2 way</td>
</tr>
<tr>
<td></td>
<td>Power mode</td>
<td>• Power mode</td>
</tr>
<tr>
<td>ATT/E</td>
<td>Attachment</td>
<td>• Optimum engine rpm, hydraulic flow, 2 way</td>
</tr>
<tr>
<td></td>
<td>Economy mode</td>
<td>• Economy mode</td>
</tr>
</tbody>
</table>

When press the left knob switch which is called the one-touch power max. switch and when it is kept pressed, this function temporarily increases digging force for 8.5 seconds of operation.

**Maximum arm crowd force (ISO 6015):**
- 187 kN (19.1 t) ➡️ 200 kN (20.4 t) 7% UP (With Power Max.)

**Maximum bucket digging force (ISO 6015):**
- 238 kN (24.3 t) ➡️ 255 kN (26.0 t) 7% UP (With Power Max.)

Measured with Power Max. function, 3185 mm arm and ISO 6015 rating.

Larger maximum drawbar pull provides superb steering and slope climbing performance.

**Maximum drawbar pull: 326 kN (33200 kg)**

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.

Smooth loading operation

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.

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 version).
- With trackframes retracted, overall width complies with many local transportation regulations.
The newly-designed cab is highly rigid and has excellent sound absorption ability. Thorough improvement of noise source reduction and use of low noise engine, hydraulic equipment, and air conditioner allows this machine to generate a low level of noise.

Newly-designed wide spacious cab includes seat with reclining backrest. The seat height and longitudinal inclination are easily adjusted using a pull-up lever. You can set the appropriate operational posture of armrest together with the console. Reclining the seat further enables you to place it into the fully flat state with the headrest attached.

PC390LC-8M0 uses viscous damper mounting for cab that incorporates longer stroke and the addition of a spring. The new cab damper mounting combined with high rigidity deck aids vibration reduction at operator seat.

Enables you to easily and precisely set cab atmosphere with the instruments on the large LCD. The bi-level control function keeps the operator’s head and feet cool and warm respectively. This improved air flow function keeps the inside of the cab comfortable throughout the year. Defroster function keeps front glass clear.

Optional air conditioner (A/C), air filter and a higher internal air pressure minimize external dust from entering the cab.
SAFETY

ROPS Cab

The machine is equipped with a ROPS cab that conforms to ISO 12117-2 for excavators as standard equipment. The ROPS cab has high shock-absorption performance, featuring excellent durability and impact strength. It also satisfies the requirements of OPG top guard level 1 (ISO 10262) for falling objects. Combined with the retractable seat belt, the ROPS cab protects the operator in case of tipping over and against falling objects.

Lock Lever

Locks the hydraulic pressure to prevent unintentional movement. Neutral start function allows machine to be started only in lock position.

Large Side-view, Rear and Sidewise Mirrors

Enlarged left-side mirror and addition of rear and side mirror allow the PC390LC-8M0 to meet the visibility requirements (ISO 5006).

Rear View Monitor System (Optional)

The operator can view the rear of the machine with a color monitor screen.

Slip-resistant Plates

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

Thermal and Fan Guards

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

Large Serrated Steps

Pump/Engine Room Partition

Pump/engine room partition prevents oil from spraying onto the engine if a hydraulic hose should burst.
LARGE HIGH RESOLUTION LCD MONITOR

Large Multi-lingual High Resolution LCD Monitor

A large user-friendly high resolution LCD color monitor enables safe, accurate and smooth work. Visibility and resolution are further improved compared with current 7-inch large LCD. Simple and easy to operate switches. Function keys facilitate multi-function operations. Displays data in 13 languages to globally support operators around the world.

Indicators
- Auto-decelerator
- Working mode
- Travel speed
- Engine water temperature gauge
- Fuel gauge
- ECO gauge
- Fuel consumption gauge
- Function switches menu

Basic operation switches
1. Auto-decelerator
2. Working mode selector
3. Traveling selector
4. Buzzer cancel
5. Wiper
6. Windshield washer

Supports Efficiency Improvement

The main screen displays advices for promoting energy-saving operations as needed. The operator can use the ECO guidance menu to check the operation records, ECO guidance records, average fuel consumption logs, etc.

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

Maintenance function
The monitor informs replacement time of oil and filters on the LCD when the replacement interval is reached.

Trouble data memory function
Monitor stores abnormalities for effective troubleshooting.

Equipment Management Monitoring System

LARGE HIGH RESOLUTION LCD MONITOR

Displays data in 13 languages to globally support operators around the world.

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Trouble data memory function
Monitor stores abnormalities for effective troubleshooting.
Assists Customer’s Equipment Management and Contributes to Fuel Cost Cutting

Equipment Management Support

KOMTRAX terminal installed on your machine collects and sends information such as machine location, working record, machine conditions, etc. using wireless communication. You can review the KOMTRAX data remotely via the online application. KOMTRAX not only gives you the informations on your machine, but also the convenience of managing your fleet on the Web.

Energy-saving Operation Support Report

KOMTRAX can provide various useful information which includes the energy-saving operation support report created based on the operating information of your machine such as fuel consumption and idle time.
MAINTENANCE

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

Equipped with the Drain Valve as Standard
Prevents clothes and the ground from becoming contaminated due to oil leakage when replacing the engine oil.

High-capacity Air Cleaner
High capacity air cleaner is comparable to that of larger machines. The larger air cleaner can extend air cleaner life during long-term operation and prevents early clogging and resulting power decrease. Reliability is improved by a new seal design.

Easy Access to Engine Oil Filter and Fuel Drain Valve
Engine oil level gauge, and fuel filter are one side mounted to improve accessibility. Engine oil filter and fuel drain valve are remotely mounted to improve accessibility.

Long Work Equipment Greasing Interval (Optional)
High quality bushings and resin shims are optionally available for work equipment pins excluding bucket, extending greasing interval to 500 hours.

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

<table>
<thead>
<tr>
<th>Engine oil &amp; Engine oil filter</th>
<th>every 500 hours</th>
</tr>
</thead>
<tbody>
<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>

Since radiator and oil cooler are arranged in parallel, it is easy to clean, remove and install them.

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

High capacity air cleaner is comparable to that of larger machines. The larger air cleaner can extend air cleaner life during long-term operation and prevents early clogging and resulting power decrease. Reliability is improved by a new seal design.

Engine oil &
Engine oil filter  every 500 hours
Hydraulic oil  every 5000 hours
Hydraulic oil filter  every 1000 hours

Large fuel tank capacity extends operating hours before refueling. Fuel tank is treated for rust prevention.
PC390LC-8M0 employs undercarriage of PC450LC-8 one size larger with longer service life.

PC390LC-8M0 uses grease sealed tracks for extended undercarriage life.

PC390LC-8M0 uses track links with strut, providing superb durability.

The revolving frame, center frame and undercarriage are designed by using the most advanced three-dimensional CAD and Finite Element Method (FEM) analysis technology.

Exclusively designed electronic devices have passed severe testing.

- Controller
- Sensors
- Connectors
- Heat resistant wiring

All of the major machine components, such as engine, hydraulic pumps, hydraulic motors and control valves are exclusively designed and manufactured by Komatsu.

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.
**BUCKET SELECTION**

## Larger Bucket Selection

### Bucket Line-up

<table>
<thead>
<tr>
<th></th>
<th>SE 6.0 m Boom</th>
<th>2.2 m Arm</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Capacity</strong></td>
<td>2.30 m³</td>
<td>2.50 m³</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>1560 mm</td>
<td>1685 mm</td>
</tr>
<tr>
<td><strong>Material Density</strong></td>
<td>⚫</td>
<td>⚪</td>
</tr>
<tr>
<td><strong>Tooth Type</strong></td>
<td>Horizontal</td>
<td>Horizontal/KMAX</td>
</tr>
</tbody>
</table>

*With side shroud & tooth  ⚫: Material density up to 1.8 t/m³  ⚪: Material density up to 1.5 t/m³

### Quarry Bucket and Work Equipment

PC390LC-8M0 bucket is designed exclusively for quarry use and is higher strength for wear. Various parts of work equipment are also strengthened.

- **Bottom wear plate**: 19 mm thickness high-tensile strength steel used.
- **Side shrouds**
- **Side reinforcement plates**: 16 mm thickness high-tensile strength steel used.
- **Corner tooth adapters**
- **Lip shrouds**
Feature of [PAB Tooth] (Pin And Bushing system Tooth)

- Able to fit on the bucket with horizontal pin type adapter
- Easy change-out only with a ratchet wrench
- Longer tooth life by easy rotation and turnover
- Durable and reusable PAB pin with flat surface

Limited to where horizontal pin type tooth is mainly used.

Set PAB tooth to horizontal pin type adapter
Insert exclusive pin to the adapter pin hole
Set bushing, washer and bolt and tighten by a ratchet wrench

PAB Tooth Line-up

<table>
<thead>
<tr>
<th>Type</th>
<th>Style</th>
</tr>
</thead>
<tbody>
<tr>
<td>Integrated Long Life IL</td>
<td>IL</td>
</tr>
<tr>
<td>Heavy Standard</td>
<td>HS</td>
</tr>
<tr>
<td>Heavy Rock</td>
<td>HR</td>
</tr>
</tbody>
</table>

Feature of KMAX Tooth System

- Better penetration and cycle times
- Unique reusable fastener
- Hardness throughout the tooth
- Less “throw away” waste
- Unique high strength design
- Fast tooth changeover

Tooth

477-532 Brinell level of hardness throughout the tooth.

The KMAX RC style tooth shown here offers a consumption ratio of 60%.

Fastener

Simple, reusable fastener system saves time and money by unlocking with a simple 90-degree turn.

To lock, use the correct size socket, rotate the pin locking shaft 90-degree clockwise to finish the installation.

When removing the fastener, use the correct size socket to rotate the pin-locking shaft 90-degree counter-clockwise.

KMAX Tooth Line-up

<table>
<thead>
<tr>
<th>Feature</th>
<th>Style</th>
</tr>
</thead>
<tbody>
<tr>
<td>F</td>
<td>Flare: Loose material for clean bottom and greater fill</td>
</tr>
<tr>
<td>SYL</td>
<td>Standard: General applications</td>
</tr>
<tr>
<td>SD</td>
<td>Chisel: General purpose tooth Designed for penetration</td>
</tr>
<tr>
<td>RC</td>
<td>Rock Chisel: Designed for penetration and long wear life</td>
</tr>
<tr>
<td>T</td>
<td>Tiger: Designed for good penetration with ribs for strength</td>
</tr>
<tr>
<td>TV</td>
<td>Tiger: Offers best penetration in tight material</td>
</tr>
<tr>
<td>UT</td>
<td>Twin Tiger: Offers longer life penetration for corners</td>
</tr>
<tr>
<td>WT</td>
<td>Twin Tiger: Designed for penetration for corners</td>
</tr>
</tbody>
</table>

Some application may not have been available in your country or region. If you are interested in such application, please contact a KOMATSU office near you.
Komatsu Genuine Attachment Tool

Komatsu-recommended attachment tools for hydraulic excavators
A wide range of attachment tools are provided to suit customers’ specific applications.

Hydraulic breaker
The hydraulic breaker is an attachment tool used for crushing rock beds and paved surfaces, demolishing concrete structures, etc. The large gas chamber, ideal gas pressure ratio, and long-stroke piston deliver a powerful impact force. Since the breaker unit does not require an accumulator, the number of parts has been reduced, resulting in lower maintenance costs.
• Cab front full height guard level 1 (ISO 10262)
• Cab front full height guard level 2 (ISO 10262)
• Additional front lights
• Air pre-cleaner

• OPG top guard level 2 (ISO 10262)
• Strengthened track frame undercover
• Sun visor
• Seat, suspension

• Additional piping
• Fixed skylight and sun-shade
• Fixed one-piece laminated front window glass

The front window is fixed and uses laminated safety glass to prevent scattering of glass fragments when broken.

• Full roller guard
Komatsu Total Support

To keep your machine available and minimize operation cost when you need it, Komatsu Distributor is ready to provide variety of support before and after procuring the machine.

Fleet recommendation
Komatsu Distributor can study customer job site and provide the most optimum fleet recommendation with detailed information to meet all of your application needs when you are considering to buy new machines or to replace the existing ones from Komatsu.

Technical support
Komatsu product support service (Technical support) are designed to help customer. Komatsu Distributor offers a variety of effective services how much Komatsu is dedicated to the maintenance and support of Komatsu machine.
- Preventive Maintenance (PM) clinic
- Oil & Wear analysis program
- Undercarriage inspection service, etc.

Product support
Komatsu Distributor secure the certain quality of machine will be delivered.

Parts availability
Komatsu Distributor is available for emergency inquiry by the customers for genuine, quality guaranteed Komatsu parts.

Repair & maintenance service
Komatsu Distributor offers quality repair service, periodic maintenance, and maintenance service to the customer, utilizing and promoting Komatsu developed programs.

Komatsu Reman (Remanufactured) components
Komatsu Reman products are the result of the implementation of the Komatsu global Reman policy which establishes and agrees to reduce the owning, operating and total Life Cycle Costs (LCC) to Komatsu’s customer through prompt delivery, high quality and competitively priced in own remanufactured products (QDC).
HYDRAULIC EXCAVATOR  PC390LC-8MO

SPECIFICATIONS

ENGINE

Model: Komatsu SAA6D114E-3
Type: Water-cooled, 4-cycle, direct injection
Aspiration: Turbocharged, aftercooled
Number of cylinders: 6
Bore: 114 mm
Stroke: 135 mm
Piston displacement: 8.27 L
Horsepower: SAE J1995: Gross 194 kW 260 HP
ISO 9249 / SAE J1349: Net 187 kW 250 HP
Rated rpm: 1950 min⁻¹
Fan drive method for radiator cooling: Mechanical
Governor: All-speed control, electronic
U.S. EPA Tier 3 and EU Stage 3A emissions equivalent.

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: 6
Main pump: Variable displacement piston type
Pumps for: Boom, arm, bucket, swing, and travel circuits
Maximum flow: 535 L/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 380 kg/cm²
Travel circuit: 37.3 MPa 380 kg/cm²
Swing circuit: 27.9 MPa 285 kg/cm²
Pilot circuit: 3.2 MPa 33 kg/cm²
Hydraulic cylinders:
(Number of cylinders – bore x stroke x rod diameter)
Boom: 2–140 mm x 1480 mm x 100 mm
Arm: 1–160 mm x 1825 mm x 110 mm
Bucket: 1–150 mm x 1285 mm x 110 mm

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: 9.5 min⁻¹

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 (Each side): 2
Number of track rollers (Each side): 8

COOLANT AND LUBRICANT CAPACITY

(REFILLING)

Fuel tank: 605 L
Coolant: 31.0 L
Engine: 37.0 L
Final drive (Each side): 9.0 L
Swing drive: 16.5 L
Hydraulic tank: 188 L

OPERATING WEIGHT (APPROXIMATE)

Operating weight including 6000 mm one-piece boom, 2550 mm arm, ISO 7451 heaped 2.30 m³ backhoe bucket, rated capacity of lubricants, coolant, full fuel tank, operator, fixed gauge, and standard equipment.

<table>
<thead>
<tr>
<th>Shoes</th>
<th>PC390LC-8M0</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Operating Weight</td>
</tr>
<tr>
<td>600 mm</td>
<td>38600 kg</td>
</tr>
<tr>
<td>700 mm</td>
<td>39000 kg</td>
</tr>
</tbody>
</table>

DRIVES AND BRAKES

Steering control: Two levers with pedals
Drive method: Hydrostatic
Maximum drawbar pull: 264 kN 26900 kg
Gradeability: 70%, 35°
Maximum travel speed: High: 5.5 km/h
(Auto-shift) Mid: 4.5 km/h
(Auto-shift) Low: 3.2 km/h
Service brake: Hydraulic lock
Parking brake: Mechanical disc brake
### Model PC390LC-8M0

<table>
<thead>
<tr>
<th>DIMENSIONS &amp; WORKING RANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Model</strong></td>
</tr>
<tr>
<td><strong>Boom Length</strong></td>
</tr>
<tr>
<td><strong>Arm Length</strong></td>
</tr>
<tr>
<td>A Overall length</td>
</tr>
<tr>
<td>B Overall height (Top of boom)*</td>
</tr>
<tr>
<td>C Overall width</td>
</tr>
<tr>
<td>D Overall height (Top of cab)*</td>
</tr>
<tr>
<td>E Ground clearance, counterweight</td>
</tr>
<tr>
<td>F Ground clearance (Minimum)</td>
</tr>
<tr>
<td>G Tail swing radius</td>
</tr>
<tr>
<td>H Track length on ground</td>
</tr>
<tr>
<td>I Track length</td>
</tr>
<tr>
<td>J Track gauge</td>
</tr>
<tr>
<td>K Width of crawler</td>
</tr>
<tr>
<td>L Shoe width</td>
</tr>
<tr>
<td>M Grouser height</td>
</tr>
<tr>
<td>N Machine cab height</td>
</tr>
<tr>
<td>O Machine cab width</td>
</tr>
<tr>
<td>P Distance, swing center to rear end</td>
</tr>
<tr>
<td>Q Max. digging height</td>
</tr>
<tr>
<td>R Max. dumping height</td>
</tr>
<tr>
<td>S Max. digging depth</td>
</tr>
<tr>
<td>T Max. vertical wall digging depth</td>
</tr>
<tr>
<td>U Max. digging depth of cut for 2440 mm level</td>
</tr>
<tr>
<td>V Max. digging reach</td>
</tr>
<tr>
<td>W Max. digging reach at ground level</td>
</tr>
<tr>
<td>X Min. swing radius</td>
</tr>
<tr>
<td><strong>Bucket digging force at power max.</strong></td>
</tr>
<tr>
<td><strong>Arm crowd force at power max.</strong></td>
</tr>
</tbody>
</table>

* Including grouser height
**HYDRAULIC EXCAVATOR PC390LC-8M0**

**LIFTING CAPACITY WITH LIFTING MODE**

**PC390LC-8M0**

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

<table>
<thead>
<tr>
<th>B/A</th>
<th>MAX</th>
<th>8.0 m</th>
<th>7.5 m</th>
<th>6.0 m</th>
<th>4.5 m</th>
<th>3.0 m</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Cf</td>
<td>Cs</td>
<td>Cf</td>
<td>Cs</td>
<td>Cf</td>
</tr>
<tr>
<td>7.5 m</td>
<td>*6110 kg</td>
<td>*6110 kg</td>
<td>*6860 kg</td>
<td>6840 kg</td>
<td>*8070 kg</td>
<td>*8070 kg</td>
</tr>
<tr>
<td>6.0 m</td>
<td>*5990 kg</td>
<td>*5990 kg</td>
<td>*6870 kg</td>
<td>6210 kg</td>
<td>*7390 kg</td>
<td>7030 kg</td>
</tr>
<tr>
<td>4.5 m</td>
<td>*6190 kg</td>
<td>5370 kg</td>
<td>*7280 kg</td>
<td>6030 kg</td>
<td>*7740 kg</td>
<td>6790 kg</td>
</tr>
<tr>
<td>3.0 m</td>
<td>*6690 kg</td>
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<td>5410 kg</td>
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</tbody>
</table>

* Load is limited by hydraulic capacity rather than tipping. Ratings are based on SAE J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

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**PC390LC-8M0**

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

<table>
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<th>7.5 m</th>
<th>6.0 m</th>
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PC390LC-8M0

**HORSEPOWER**
- Gross: 194 kW / 260 HP / 1950 min⁻¹
- Net: 187 kW / 250 HP / 1950 min⁻¹

**OPERATING WEIGHT**
- 38600 – 39900 kg

**BUCKET CAPACITY**
- 2.30 – 2.80 m³

**STANDARD EQUIPMENT**

**ENGINE**
- Automatic engine warm-up system
- Dry type air cleaner, double element
- Engine, Komatsu SAA6D114E-3
- Engine overheat prevention system
- Radiator and oil cooler dust proof net
- Suction fan

**ELECTRICAL SYSTEM**
- Alternator, 24 V/80 A
- Auto-decelerator
- Batteries, 2 x 12 V/126 Ah
- Starting motor, 24 V/7.5 kW
- Working light, 2 (Boom and RH)

**HYDRAULIC SYSTEM**
- Boom holding valve
- Power maximizing system
- Pressure Proportional Control (PPC) hydraulic control system
- Two-mode setting for boom
- Working mode selection system

**GUARDS AND COVERS**
- Fan guard structure

**UNDERCARRIAGE**
- Hydraulic track adjusters (Each side)
- Track roller
- – 8 each side
- Track shoe
- – 600 mm triple grouser

**OPERATOR ENVIRONMENT**
- A/C with defroster
- Cab with 2-piece pull up front window
- Multi-function color monitor
- Rear view mirror, RH, LH, rear, sidewise
- ROPS cab (ISO 12117-2)
- Seat bolt, retractable
- Skylight

**OTHER EQUIPMENT**
- Counterweight
- Electric horn
- Rear reflektor
- Slip-resistant plates
- Travel alarm

**OPTIONAL EQUIPMENT**

**ENGINE**
- Additional filter system for poor-quality fuel (Water separator)
- Large capacity fuel pre-filter

**ELECTRICAL SYSTEM**
- Batteries, 2 x 12 V/140 Ah
- Working lights (2 on cab)

**HYDRAULIC SYSTEM**
- Service valve

**UNDERCARRIAGE**
- Full roller guard
- Shoes, triple grouser shoes
  - 700 mm
- Track frame undercover
- Variable track gauge

**OPERATOR ENVIRONMENT**
- A/C with defroster
- Cab with 2-piece pull up front window
- Multi-function color monitor
- Rear view mirror, RH, LH, rear, sidewise
- ROPS cab (ISO 12117-2)
- Seat bolt, retractable
- Skylight

**WORK EQUIPMENT**
- Arms
  - 2200 mm arm assembly
  - 2550 mm arm assembly
- Boom
  - 6000 mm

**OTHER EQUIPMENT**
- Electric grease gun
- Fuel refill pump

Materials and specifications are subject to change without notice.

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