PC1250LC-11
PC1250SP-11
Tier 4 Final Engine

HYDRAULIC EXCAVATOR

NET HORSEPOWER
758 HP @ 1800 rpm
565 kW @ 1800 rpm

OPERATING WEIGHT
259,960–272,600 lb
118,164–123,909 kg

BUCKET CAPACITY
4.1–11.9 yd³
3.3–9.5 m³

Photos may include optional equipment.
WALK-AROUND

**NET HORSEPOWER**
758 HP @ 1800 rpm
565 kW @ 1800 rpm

**OPERATING WEIGHT**
259,960–272,600 lb
118,164–123,909 kg

**BUCKET CAPACITY**
4.1–11.9 yd³
3.3–9.5 m³

Photos may include optional equipment.
HIGH PERFORMANCE AND VERSATILITY

Mass Excavation Performance
The PC1250-11 mass excavation arrangement is designed for larger buckets, provides high digging forces, high production volume and is an ideal match to 50-70 ton class trucks.

Long Undercarriage Versatility
The PC1250LC-11 reach boom and three arm options provide an excellent combination of stability, digging performance, extended reach and depth.

A powerful Komatsu SAA6D170E-7 engine provides a net output of 565 kW 758 HP. This engine is EPA Tier 4 Final emissions certified.

Variable Geometry Turbocharger (VGT) water cooled and hydraulically controlled to provide optimum airflow under all speed and load conditions.

Tier 4 Final emissions system uses only Komatsu Diesel Particulate Filters (KDPP) to reduce particulate matter and NOx, while providing automatic regeneration that does not interfere with daily operation. No Selective Catalytic Reduction (SCR) system of Diesel Exhaust Fluid (DEF) is required.

Hydraulically driven reversible variable speed fan is temperature controlled to reduce parasitic load on the engine and improve fuel consumption. Reversible fan direction helps cleaning of coolers to reduce maintenance.

Komatsu Auto Idle and Auto Idle Shutdown help reduce nonproductive engine idle time and reduces operating costs.

Rear service aisle and grouped maintenance points conveniently located behind latched access doors provide excellent access to engine and hydraulic compartments.

Grease pump with hose reel provides efficient lubrication of work equipment.

Service technician restraint harness tie off points on the boom and arm (ISO 14567) help make maintenance service more efficient.

Battery disconnect switch with lock out/tag out allows a technician to disconnect the power supply and prevent machine start up before servicing the machine.

Komatsu’s Open-center Load Sensing System (OLSS) balances hydraulic pump pressure and flow for smooth multi-function operation in all digging conditions.

Two working modes; Power + provides up to an 8% increase in productivity, Lift Mode provides fine control and boosts hydraulic pressure 10% for handling objects.

Two boom mode settings; Power mode provides maximum digging forces. Soft mode reduces boom down force to minimize machine lifting when working on hard surfaces or in hammer applications.

Boom/Swing Priority mode increases boom raise speed in small swing angle applications or increases swing speed in large swing angle applications to reduce cycle times.

Long undercarriage arrangement with reach boom and 3 arm options for general construction provides lower ground pressure, a large stable operating platform and increased digging depth and reach for a wide variety of general construction applications.

Short undercarriage arrangement with mass excavation boom and short arm provides higher digging forces and larger bucket capacity for high volume stripping and mass excavation projects.

Enhanced working environment
• High back, heated, air suspension operator seat with adjustable arm rests
• Auto climate control
• Cab is Operator Protective Guard (OPG) top guard level 1 compliant (ISO12117-2)
• Standard OPG Level 2 cab top guard conforms to ISO 10262 standards
• Aux jack and (2) 12V power outlets
• Low operator sound level
• Large skylight with sliding sunshade

Large LCD color monitor panel:
• 7” high resolution screen
• “Ecology-Guidance” provides operator recommendations for fuel efficient operation
• KomVision camera display integrated into the monitor display for improved operator awareness of the work area.

Operator Identification System records KOMTRAX machine operation and application data for up to 100 individual codes.

KomVision "bird’s eye" view camera system (Standard) uses four cameras to provide a “bird’s eye” view of surrounding machine area for improved operator situational awareness.

Handrails (standard) located on the machine upper structure provide a convenient work area on the top right side of the machine.

Large walkway with handrails on left side of machine provides convenient access to the hydraulic pump compartment.

KOMTRAX®
The KOMTRAX® telematics system is standard on Komatsu equipment with no subscription-fees throughout the life of the machine. Using the latest wireless technology, KOMTRAX® transmits valuable information such as location, utilization, and maintenance records to a PC or smartphone app. Custom machine reports are provided for identifying machine efficiency and operating trends. KOMTRAX® also provides advanced machine troubleshooting capabilities by continuously monitoring machine health.

KOMTRAX Plus® Continuously monitors 123 machine operating parameters and records machine health, detailed history and operational data. Detailed operating parameter history aids in diagnostics and repair or replacement decisions.

Komatsu designed and manufactured components
PERFORMANCE FEATURES

KOMATSU NEW ENGINE TECHNOLOGIES

Komatsu’s New Emission Regulations-compliant Engine
Komatsu provides a powerful and economical US EPA Tier 4 Final compliant engine with latest emission control technologies and fuel saving features.

Technologies Applied to New Engine

Heavy-duty aftertreatment system
Komatsu Diesel Particulate Filter (KDPF) reduces Particulate Matter (PM) by more than 80% when compared to Tier 3 levels. Special oxidation catalyst decomposes accumulated soot in the KDPF filter by either active or passive regeneration. This system does not require Diesel Exhaust Fluid (DEF) or any additional operator action and does not interrupt normal operation.

Heavy-duty cooled Exhaust Gas Recirculation (EGR) system
The system recirculates a portion of exhaust gas into air intake and lowers combustion temperatures, thereby reducing NOx emissions. Furthermore, while EGR gas flow is increased, by incorporating a high-efficiency and compactly designed cooling system, the system achieves a dynamic reduction of NOx, while helping reduce fuel consumption.

Electronic control system
The electronic control system performs high-speed processing of all signals from sensors installed in the vehicle providing total control on equipment in all conditions of use. Engine condition information is displayed via an on-board network to the monitor inside the cab, providing necessary information to the operator. Additionally, managing the information via KOMTRAX helps customers keep up with required maintenance.

Variable Geometry Turbocharger (VGT) system
The VGT system features proven Komatsu design hydraulic technology for variable control of air-flow and supplies optimal air according to load conditions. The upgraded version realizes better exhaust temperature management.

Komatsu Closed Crankcase Ventilation (KCCV)
Crankcase emissions (blow-by gas) are passed through a CCV filter. The oil mist trapped in the filter is returned back to the crankcase while the filtered gas is returned to the air intake.
Heavy-duty High Pressure Common Rail (HPCR) fuel injection system
The system is designed to achieve an optimal injection of high-pressure fuel by means of computerized control, providing close to complete combustion to reduce PM emissions. While this technology is already used in current engines, the new system uses high pressure injection to reduce PM emissions and fuel consumption over the entire range of engine operating conditions. The Tier 4 Final engine has advanced fuel injection timing to further aid in reducing fuel consumption and PM levels.

Komatsu Auto Idle Shutdown
Komatsu auto idle shutdown automatically shuts the engine down after idling for a set period of time to reduce unnecessary fuel consumption and exhaust emissions. The amount of time before the engine is shutdown can be easily programmed from 5 to 60 minutes.
**PERFORMANCE FEATURES**

**Power Plus Mode**
The PC1250LC-11 excavator features a new Power Plus (P+) mode that increases productivity up to 8% over the PC1250LC-8 and PC1250-8 models.

**P+ mode productivity**

<table>
<thead>
<tr>
<th>Increased by up to</th>
<th>8%</th>
</tr>
</thead>
<tbody>
<tr>
<td>VS PC1250-8 P mode (90° swing and loading onto truck)</td>
<td></td>
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</tbody>
</table>

**P mode fuel efficiency**

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**Heavy Lift Mode**
Boost hydraulic system pressure to provide up to 10% more lifting force when needed for handling rock or heavy structures.

**Swing Priority Mode Settings**
Swing Priority mode increases boom raise speed in small swing angle applications or increases swing speed in large swing angle applications to reduce cycle times. By altering the oil flow priority, this setting sets either boom or swing as the priority for increased production.

**Shockless Boom Control**
The PC1250LC-11 boom circuit features a double-check slow return valve that provides a boom cylinder cushion to improve operator comfort, reduce shock and reduce material spillage during the loading process.

**Two-mode Setting for Boom**
Smooth mode reduces boom down power for easy trench/bench floor cleaning and hammer applications.

**Power mode**
Power mode disables the boom float function for maximum digging force.
**Boom Foot Hoses**
Hose routing in the boom foot area helps reduce hose flexing and bending during operation to extend hose life.

**Bulkhead wall (partition)**
between engine and hydraulic pump compartment helps shield hot exhaust components from possible contact with hydraulic oil.

**Heavy Duty Boom and Arm Structures**
Booms and arms have bulkheads and castings, large cross-sectional areas and high tensile strength steel to withstand high working loads in high performance applications.

**Fuel Pre-filters with Water Separators**
Fuel help provide protection from poor fuel quality, high efficiency fuel filters provide additional protection to fuel.

**Hydraulic Return Filter Blockage Sensors**
Sensors for each hydraulic filter monitor filter back pressure and warn against blockage. If filters become blocked, a warning is displayed on the monitor screen and recorded in KOMTRAX.

**Metal Guard Rings**
Metal guard rings protect all the hydraulic cylinders and improve reliability.

**Circuit Breaker**
Electrical components are protected with a circuit breaker.

**Heavy Duty Undercarriage**
A large 11" (280mm) track pitch undercarriage provides excellent reliability and durability when working on rocky ground or blasted rock. Sturdy track motor guards help protect against damage from rock and jobsite debris.

**High-pressure In-line Filtration**
An in-line filter in the outlet port of each main hydraulic pump offers extra protection against failures caused by contamination.

**DT-Type Connectors**
Sealed connectors seal tight and have higher reliability.
GENERAL FEATURES

Hydraulically operated stairway (Optional)
The new hydraulically operated 45° stairway enables the operator to access the machine safely. If the stairway is not retracted, the equipment is automatically stopped (Lock lever auto lock function).

Mass Excavation "SP" configuration designed for high productivity
A shorter 25'7" (7800 mm) boom is designed to handle higher capacity buckets for mass excavation and mining applications.

LC configuration provides greatest versatility
The longer "LC" undercarriage, boom and 3 arm options provide the greatest versatility. The PC1250LC-11 has the versatility to work on high volume earthmoving jobs with a short arm, or on large utility or pipeline jobs with a medium or long arm.

PC1250SP-11 and PC1250LC-11 Pass Match with Komatsu Trucks

<table>
<thead>
<tr>
<th></th>
<th>Capacity (yd³)</th>
<th>HM400-5 44 ton</th>
<th>HD325-5 40 ton</th>
<th>HD405-8 44 ton</th>
<th>HD465-5 61 ton</th>
<th>HD605-5 69 ton</th>
<th>HD785-7 100 ton</th>
</tr>
</thead>
<tbody>
<tr>
<td>PC1250LC-11</td>
<td>8.0 6.1</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>9</td>
</tr>
<tr>
<td>PC1250SP-11</td>
<td>9.2 7.0</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>7</td>
</tr>
</tbody>
</table>

PC1250SP-11 with 700 mm shoes, 25’7” (7800 mm) boom, 11’2” (3400 mm) arm.
PC1250LC-11 with 1000 mm shoes 29’10” (9100 mm) boom and 11’2” (3400 mm) arm
2,750/lb/yd³ material density
COMFORTABLE FEATURES

Comfortable Working Space

Wide spacious cab
The PC1250-11 has a wider cab compared with the middle-sized excavators. It includes a seat with reclining backrest. The seat height and longitudinal inclination are easily adjusted using a pull-up lever. You can set the appropriate operational posture of armrest together with the console. Reclining the seat further enables you to place it into the fully flat state with the headrest attached.

Low cab noise
The newly-designed cab is highly rigid and has excellent sound absorption ability.

Arm rest with simple height adjustment function
The addition of a knob and a plunger to the armrest permits the height of the armrest to be easily adjusted without the use of tools.

Low vibration with cab damper mounting

Automatic air conditioner (A/C)
Pressurized cab

Auxiliary input jack
Connecting a regular audio instrument to the auxiliary jack allows the operator to hear the sound from the speaker installed in the cab.

Standard Equipment

- Sliding window glass (left side)
- Handling radio, ashtray
- Secondary engine shutdown
- Sun shield
- Magazine box & cup holder
- High back air suspension seat with heat
- Remote intermittent wiper with windshield washer
- Defroster
  (Conforms to ISO 10263-5)
WORKING ENVIRONMENT

LARGE HIGH RESOLUTION LIQUID CRYSTAL DISPLAY (LCD) MONITOR

New Monitor Panel Interface Design
An updated large high resolution LCD color has a redesigned interface to display key machine information in an easy to view new user interface. A new “bird’s eye” view and single camera display have been added to the default main screen to improve operator situational awareness. The display main screen mode can be easily changed to provide different information for the particular work situation to be displayed.

Indicators
- Auto-decelerator
- Working mode
- Travel speed
- Ecology gauge
- Bird’s eye camera display
- Selectable single camera display
- Engine coolant temperature gauge
- Hydraulic oil temperature gauge
- Fuel gauge
- Service meter
- Clock
- Fuel consumption gauge
- Guidance icon
- Function switches
- Camera direction display

Basic operation switches
- Auto-decelerator
- Working mode selector
- Travel speed selector
- Buzzer cancel
- Wiper
- Window washer

Visual User Menu
Pressing the F6 key on the main screen displays the user menu screen. The menus are grouped for each function, and use easy-to-understand icons which enable the machine to be operated intuitively.

Support Efficiency Improvement
Ecology guidance
While the machine is operating, ecology guidance pops up on the monitor screen to notify the operator of the status of the machine in real time.

Ecology gauge & fuel consumption gauge
The monitor screen is provided with an ecology gauge and also a fuel consumption gauge which is displayed continuously. In addition, the operator can set any desired target value of fuel consumption (within the range of the green display), enabling the machine to be operated with better fuel economy.

Operation record, fuel consumption history, and ecology guidance record
The ecology guidance menu enables the operator to check the operation record, fuel consumption history and ecology guidance record from the ecology guidance menu, using a single touch, thus enabling the total fuel consumption to be reduced.

Operator Identification Function
An operator identification ID can be set for each operator, and used to manage operation information of individual machines as KOMTRAX data. Data sent from KOMTRAX can be used to analyze operation status by operator as well as by machine.
KomVision (Standard)
A standard four camera system provides a bird’s eye view (including cab visibility) of the machine and surrounding area. This system improves operation and situational awareness on the jobsite.

Includes four cameras:
1. Front right camera
2. Rear right camera
3. Left rear camera
4. Standard rear view camera

Equipment Management Support
KOMTRAX Plus enables expanded monitoring of the fleet via satellite and wireless LAN. Users can analyze "machine health" and performance from a remote location, on a near-real time basis. This includes component condition and trend data. By making this critical information readily accessible, KOMTRAX Plus provides additional information beyond KOMTRAX and is an effective tool in maximizing productivity and lowering operating costs. Iridium satellite communication technology provides uninterrupted KOMTRAX data transmission in remote jobsites.
Komatsu Designed the PC1250LC-11 for Easy Service Access

**Easy Checking and Maintenance**
A wide center walkway provides easy access to many inspection and maintenance points. In addition, inspection and maintenance points are grouped to facilitate easy engine and hydraulic component checks.

Easy Cleaning of Radiator
The hydraulically driven fan can reverse to facilitate cleaning of the cooling unit. In addition, this feature contributes to reducing warm-up time in low temperatures.

Service Walkway Light
Lighting provides illumination to walkways in low light conditions.

Easy Cleaning of Oil Cooler, A/C Condenser and Fuel Cooler
Hinged A/C condenser and fuel cooler provide easy access to each core.

Battery Disconnect Switch
A standard battery disconnect switch with lock out/tag out allows a technician to disconnect the power supply and lock out before servicing the machine.

Tie Off Points Standard (ISO 14567)
When working in elevated positions on the boom and arm, tie off points provide anchors for technician harness lanyards.
**Air Powered Grease Gun Equipped with Hose Reel**
A 36 ft (11 m) hose and grease gun provides easy access to the machine’s grease points. An indicator is included to monitor grease level. Greasing system accepts 5 gallon grease buckets.

**Electric Priming Pump**
Wide walkways,
**Large Step and Handrails Washable Cab**
**Floor Mat**
**Dust Indicator with 5-step Indication**
**Convenient Utility Space**

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

<table>
<thead>
<tr>
<th>Oil Type</th>
<th>Interval</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine oil &amp; engine oil filter</td>
<td>every 500 hours</td>
</tr>
<tr>
<td>Hydraulic oil</td>
<td>every 5000 hours</td>
</tr>
<tr>
<td>Hydraulic oil filter</td>
<td>every 1000 hours</td>
</tr>
</tbody>
</table>

**Aftertreatment devices regeneration automatic display**
When it is necessary to carry out manual regeneration (the manual stationary regeneration) of the KDPF, the display automatically switches to the aftertreatment device regeneration screen to inform the operator.

**“Maintenance time caution lamp” display**
When the remaining time to maintenance becomes less than 30 hours*, the maintenance time monitor appears. Pressing the F6 key switches the monitor to the maintenance screen. *The setting can be changed within the range between 10 and 200 hours.

**Maintenance screen**

**Aftertreatment device regeneration screen**
KOMATSU PARTS & SERVICE SUPPORT

KOMATSU CARE
Program Includes:

**Complimentary Scheduled Maintenance**
- Complimentary scheduled engine maintenance for 3 years or 2,000 hours, whichever occurs first
- Service is performed by factory certified technicians using Komatsu Genuine parts and fluids
- Significantly reduce ownership costs and increase reliability and uptime
- Increase resale value with detailed maintenance records and transferable program benefits

**Complimentary KDPF Exchange**
- Covers exchange of up to two KDPF assemblies within the first 5 years at the exchange interval of 4,500 hours*
- Assurance of factory certified KDPF cleanings
- Reduced downtime from exchange

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<table>
<thead>
<tr>
<th>KOMATSU CARE PC1250-11</th>
<th>500 1000 1500 2000</th>
</tr>
</thead>
<tbody>
<tr>
<td>KOWA SAMPLING – (Engine, Hydraulics, L &amp; R Swing Machinery, L &amp; R Final Drives, PTO Case)</td>
<td>✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>CHANGE ENGINE OIL</td>
<td>✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>REPLACE ENGINE OIL FILTER</td>
<td>✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>REPLACE FUEL PRE-FILTER</td>
<td>✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>CLEAN AIR CONDITIONER FRESH/RECIRC FILTERS</td>
<td>✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>CLEAN AIR CLEANER ELEMENT</td>
<td>✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>DRAIN SEDIMENT FROM FUEL TANK</td>
<td>✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>COMPLETE 50 POINT INSPECTION FORM; LEAVE PINK COPY WITH CUSTOMER OR IN CAB</td>
<td>✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>RESET MONITOR PANEL MAINTENANCE COUNTER FOR APPROPRIATE ITEMS</td>
<td>✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>REPLACE MAIN FUEL FILTER</td>
<td>✓ ✓ ✓</td>
</tr>
<tr>
<td>REPLACE KCCV FILTER ELEMENT</td>
<td>✓</td>
</tr>
<tr>
<td>FACTORY TRAINED TECHNICIAN LABOR</td>
<td>✓ ✓ ✓</td>
</tr>
<tr>
<td>2 KDPF Exchanges suggested at 4,500 Hrs</td>
<td></td>
</tr>
</tbody>
</table>

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Komatsu CARE® – Extended Coverage
- Extended Coverage can provide peace of mind by protecting customers from unplanned expenses that effect cash flow
- Purchasing extended coverage locks-in the cost of covered parts and labor for the coverage period and helps turn these into fixed costs

Komatsu Parts Support
- 24/7/365 to fulfill your parts needs
- 9 parts Distribution Centers strategically located across the U.S. and Canada
- Distributor network of more than 300 locations across U.S. and Canada to serve you
- Online part ordering through Komatsu eParts
- Remanufactured components with same-as-new warranties at a significant cost reduction

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KOMATSU CARE Oil and Wear Analysis (KOWA)
- KOWA detects fuel dilution, coolant leaks, and measures wear metals
- Proactively maintain your equipment
- Maximize availability and performance
- Can identify potential problems before they lead to major repairs
- Reduce life cycle cost by extending component life

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* Certain exclusions and limitations apply. Refer to the customer certificate for complete program details and eligibility. Komatsu® and Komatsu Care® are registered trademarks of Komatsu Ltd. Copyright 2019 Komatsu America Corp.
KOMTRAX EQUIPMENT MONITORING

WHAT
- KOMTRAX is Komatsu’s remote equipment monitoring and management system
- KOMTRAX continuously monitors and records machine health and operational data
- Information such as fuel consumption, utilization, and a detailed history lowering owning and operating cost

WHEN
- Know when your machines are running or idling and make decisions that will improve your fleet utilization
- Detailed movement records ensure you know when and where your equipment is moved
- Up to date records allow you to know when maintenance is due and help you plan for future maintenance needs

WHERE
- KOMTRAX data can be accessed virtually anywhere through your computer, the web or your smart phone
- Automatic alerts keep fleet managers up to date on the latest machine notifications

WHO
- KOMTRAX is standard equipment on all Komatsu construction products

WHY
- Knowledge is power - make informed decisions to manage your fleet better
- Knowing your idle time and fuel consumption will help maximize your machine efficiency
- Take control of your equipment - any time, anywhere

KOMTRAX Plus®
Assists Customer’s Equipment Management and Contributes to Fuel Cost Cutting

Equipment Management Support
KOMTRAX Plus enables expanded monitoring of the fleet via satellite and wireless LAN. Users can analyze "machine health" and performance from a remote location, on a near-real time basis. This includes component condition and trend data. By making this critical information readily accessible, KOMTRAX Plus is an effective tool in maximizing productivity and lowering operating costs.
ENGINE

Model: Komatsu SAA6D170E-7
Type: Water-cooled, 4-cycle, direct injection
Aspiration: Turbocharged, aftercooled, cooled, EGR
Number of cylinders: 6
Bore: 170 mm
Stroke: 170 mm
Piston displacement: 23.15 ltr / 1431 in³

Horsepower:
- SAE J1995: Gross 578 kW / 775 HP
- ISO 9249 / SAE J1349: Net 565 kW / 758 HP
Rated rpm: 1800
Hydraulic fan at maximum speed: Net 519 kW / 696 HP
Governor: All-speed control, electronic
Fan drive method for radiator cooling: Hydraulic

*EPA Tier 4 Final emissions certified

HYDRAULICS

Main pump:
- Type: Variable capacity piston
- Maximum flow and travel: 2 x 494 ltr/min

Maximum flow swing: 1 x 600 ltr/min / 1 x 158.5 gal/min
Sub-pump for control circuit: Gear type
Fan drive pump: Variable-capacity piston type

Hydraulic motors:
- Type: 2 x axial piston motors with parking brake
- Swing: 2 x axial piston motors with swing holding brake

Relief valve setting:
- Implement circuits: 31.4 MPa / 455 psi
- Travel circuit: 34.3 MPa / 4980 psi
- Swing circuit: 29.4 MPa / 4267 psi
- Pilot circuit: 3.1 MPa / 45 psi

Hydraulic cylinders:
- Type: Open-center load sensing system, 1 selectable working mode
- Boom: 2 x 225 mm / 2390 mm
- Arm: 1 x 250 mm / 2435 mm / 170 mm
- Bolt: 2 x 160 mm x 1825 mm / 6.3" x 71.8" x 4.5"
- SP: 2 x 160 mm x 1950 mm / 6.3" x 76.8" x 4.5"

SOUND PERFORMANCE

- Exterior: ISO 16754-1: 109.9 dB(A)
- Operator: ISO 16754-1: 68.5 dB(A)

SWING SYSTEM

Drive method: 2 x hydraulic motors
Swing reduction: Planetary gear
Swing circle lubrication: Grease-bathed
Service brake: Oil disc brake
Holding brake/swing lock: Mechanical disc brake
Swing speed: 5.8 rpm
Swing torque: 406.1 kN.m / 299,524 lb-ft

UNDERCARRIAGE

Center frame: H-leg
Track frame: Box-section
Track type: Sealed
Track adjuster: Hydraulic

- Number of carrier rollers (each side): 3
- Number of shoes (each side): 48
- Number of track rollers (each side): 8
- Long undercarriage: 10

COOLANT & LUBRICANT CAPACITY

- Fuel tank: 1,260 ltr / 359.3 U.S. gal
- Coolant tank: 142 ltr / 37.5 U.S. gal
- Engine: 86 ltr / 22.7 U.S. gal
- Final drive, each side: 21 ltr / 5.5 U.S. gal
- Swing drive: 2 x 20 ltr / 5.3 U.S. gal
- Hydraulic tank: 670 ltr / 177.0 U.S. gal

OPERATING WEIGHT

- PC1250SP-11: Operating weight, including 257° / 7800 mm boom, 11° / 3400 mm arm, 6.7 m³ / 8.8 yd³ bucket, track roller guard, operator, lubricant, coolant, full fuel tank, and standard equipment.
- PC1250LC-11: Operating weight, including 29° / 9100 mm boom, 11° / 3400 mm arm, 5.0 m³ / 6.5 yd³ bucket, operator, lubricant, coolant, full fuel tank, and standard equipment.
**DIMENSIONS**

<table>
<thead>
<tr>
<th>Bucket Type</th>
<th>Boom</th>
<th>Arm</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Duty</td>
<td>25'7&quot; / 7600 mm</td>
<td>11'2&quot; / 3400 mm</td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>25'7&quot; / 7600 mm</td>
<td>11'2&quot; / 3400 mm</td>
</tr>
<tr>
<td>Extreme Duty</td>
<td>25'7&quot; / 7600 mm</td>
<td>11'2&quot; / 3400 mm</td>
</tr>
<tr>
<td>Coal</td>
<td>25'7&quot; / 7600 mm</td>
<td>11'2&quot; / 3400 mm</td>
</tr>
</tbody>
</table>

**BACKHOE BUCKET RECOMMENDATIONS**

<table>
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<th>Boom</th>
<th>Arm</th>
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<td>11'2&quot; / 3400 mm</td>
</tr>
</tbody>
</table>

Bucket recommendations are based on over side stability, flat level ground with bucket fully loaded at maximum reach for the stated loose material densities, bucket type and bucket weights. Actual bucket sizing will vary with material density, material type, bucket weight and design.
## Working Range

### PC1250SP-11

<table>
<thead>
<tr>
<th>Feature</th>
<th>PC1250SP-11</th>
<th>PC1250LC-11</th>
</tr>
</thead>
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### PC1250LC-11

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### Notes

- **PC1250SP-11** and **PC1250LC-11** refer to two different models of excavators.
- The diagrams illustrate the working range of the excavators, highlighting various operational parameters such as digging depth, dumping height, and swing radius.
- The tables provide specific measurements for different functions, including arm and digging lengths, maximum digging heights, and maximum dumping heights.
- The SAE and ISO ratings indicate the maximum force capacities at power max. for both bucket and arm crowd forces.

### Conversion Notes

- **1 ft = 0.3048 m**
- **1 kg = 2.20462 lb**
**LIFT CAPACITIES**

### PC1250SP-11

**Equipment:**
- **Boom:** 25' 7" 7800 mm
- **Arm:** 11' 2" 3400 mm
- **Bucket:** None
- **Track shoe width:** 28" 700 mm double grouser
- **Track gauge in extended position**

<table>
<thead>
<tr>
<th>B</th>
<th>4.6 m 15'</th>
<th>6.1 m 20'</th>
<th>7.6 m 25'</th>
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### PC1250SP-11

**Equipment:**
- **Boom:** 25' 7" 7800 mm
- **Arm:** 11' 2" 3400 mm
- **Bucket:** None
- **Track shoe width:** 39.4" 1000 mm double grouser
- **Track gauge in extended position**

<table>
<thead>
<tr>
<th>B</th>
<th>4.6 m 15'</th>
<th>6.1 m 20'</th>
<th>7.6 m 25'</th>
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* Asterisk indicates load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated load capacity does not exceed 87% of hydraulic lift capacity or 75% of tipping load. Total weight of bucket and/or installed attachments must be deducted from the capacities shown above. Lift capacity chart is based on machine located on a solid, level and uniform surface. Load ratings are at the arm bucket pin location, use of any attachment point in a different location to handle objects could affect excavator lift performance.
LIFT CAPACITIES

PC1250LC-11

Equipment:
• Boom: 29' 10" 9100 mm
• Arm: 11' 2" 3400 mm
• Bucket: None
• Track shoe width: 47.25" 1200 mm double gouger

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<th>4.6 m 15°</th>
<th>6.1 m 20°</th>
<th>7.6 m 25°</th>
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Unit: kg

PC1250LC-11

Equipment:
• Boom: 29' 10" 9100 mm
• Arm: 11' 2" 3400 mm
• Bucket: None
• Track shoe width: 47.25" 1200 mm double gouger

<table>
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<th>6.1 m 20°</th>
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</tbody>
</table>

Unit: lb

* Asterisk indicates load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated load capacity does not exceed 87% of hydraulic lift capacity or 75% of tipping load.
**PC1250-11**

---

**LIFTING CAPACITY WITH LIFTING MODE**

### Equipment:
- **Boom:** 29° 10° 9100 mm
- **Arm:** 14° 9° 4500 mm
- **Bucket:** None
- **Track shoe width:** 39.4° 1000 mm double grouser
- **Track gauge in extended position:**

### Heavy Lift On
- **Rating at maximum reach:**
  - **27550** 27550 49500 24750 32850 25500 28000 21100 17600 16850 16400
  - **6.1 m**
  - **3.0 m**
  - **1.0 m**
  - **0 m**

### Heavy Lift Off
- **Rating over side**
- **Rating over front**
- **Lifting capacity**
- **Height from G.L.**
- **Reach from swing center**

### Ratings:
- **A:** Reach from swing center
- **B:** Height from G.L.
- **Cf:** Lifting capacity
- **Cs:** Rating over front
- **C:** Rating over side
- **Cs:** Rating over side

---

### PC1250LC-11

---

**Equipment:**
- **Boom:** 29° 10° 9100 mm
- **Arm:** 14° 9° 4500 mm
- **Bucket:** None
- **Arm:** 14° 9° 4500 mm
- **Track shoe width:** 39.4° 1000 mm double grouser
- **Track gauge in extended position:**

---

**A:** Reach from swing center
**B:** Height from G.L.
**Cf:** Lifting capacity
**Cs:** Rating over front
**C:** Rating over side
**Cs:** Rating over side

---

* Asterisk indicates load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated load capacity does not exceed 87% of hydraulic lift capacity.

---

**PC1250 -11**

**Unit:** kg

---

**PC1250 -11**

**Unit:** lb
### LIFT CAPACITIES

#### PC1250LC-11

**Equipment:**
- Boom: 29' 10" 9100 mm
- Arm: 18' 8" 5700 mm
- Bucket: None
- Track shoe width: 39.4", 1000 mm double grouser
- Track gauge in extended position

**Lifting with Lifting Mode:**
- A: Reach from swing center
- B: Height from G.L.
- C: Lifting capacity
- Cs: Rating over front
- Cs: Rating over side
- C: Rating at maximum reach

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### PC1250SP-11

**Equipment:**
- Boom: 29' 10" 9100 mm
- Arm: 18' 8" 5700 mm
- Bucket: None
- Track shoe width: 47.25", 1200 mm double grouser
- Track gauge in extended position

**Lifting with Lifting Mode:**
- A: Reach from swing center
- B: Height from G.L.
- C: Lifting capacity
- Cs: Rating over front
- Cs: Rating over side
- C: Rating at maximum reach

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* Asterisk indicates load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated load capacity does not exceed 87% of hydraulic lift capacity or 75% of tipping load. Total weight of bucket and/or installed attachments must be deducted from the capacities shown above. Lift capacity chart is based on machine located on a solid, level and uniform surface. Load ratings are at the arm bucket pin location, use of any attachment point in a different location to handle objects could affect excavator lift performance.
TRANSPORTATION GUIDE

MAJOR COMPONENT WEIGHTS

Major Component Dimensions (length x height x width)

Specs shown include the following equipment:

LC: Boom 9100 mm, arm 3400 mm, shoes 1000 mm double grouser
SP: Boom 7600 mm, arm 3400 mm, shoes 700 mm double grouser

Work equipment assembly

Booms

<table>
<thead>
<tr>
<th>Weight</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
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<tbody>
<tr>
<td>9100 mm 29'10&quot; Boom</td>
<td>11150 kg</td>
<td>9475 mm</td>
<td>1474 mm</td>
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<tr>
<td>7800 mm 25'7&quot; Boom</td>
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<td>8170 mm</td>
<td>1474 mm</td>
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Arms

PC1250LC-11

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<th>Weight</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
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<tbody>
<tr>
<td>3400mm 11'2&quot;</td>
<td>6200 kg</td>
<td>14,669 lb</td>
<td>4895 mm</td>
</tr>
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</table>

PC1250SP-11

<table>
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Arm cylinder

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<th>Weight</th>
<th>Length</th>
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| 1500 kg | 3,307 lb | 3950 mm | 13'0"

Boom cylinders

<table>
<thead>
<tr>
<th>Weight</th>
<th>Length</th>
</tr>
</thead>
</table>
| 1200 kg | 2,466 lb each | 3810 mm | 12'6"

Upper structure

Width: 3495 mm 11'6"
Weight: 40700 kg 89,728 lb

Undercarriage

LC: 1640 mm 65"
SP: 1585 mm 62"

Weight:
LC: 18800 kg 41,447 lb each side
SP: 15250 kg 33,620 lb each side

Others

Weight:
190 kg | 419 lb

PC1250 -11

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### STANDARD EQUIPMENT

**ENGINE**
- Automatic engine warm-up system
- Dry type air cleaner, double element
- Engine, Komatsu SAA6D170E-7
- Fuel pre-filter with water separator
- Variable speed cooling fan, hydraulic drive, reversible

**ELECTRICAL SYSTEM**
- Alternator, 24 V/90 A
- Auto idle shutdown (programmable)
- Auto-decelerator
- Batteries, 2 x 12 V/220 Ah
- Battery disconnect switch w/lock out - tag out
- Circuit breaker
- Lever lock auto-lock
- Power supply, 12 V
- Starting motor, 2 x 24 V/11k
- Step light with timer
- Service isle light
- Working lights, 2 boom, 2 cab roof front, 1 right front, 2 LED rear facing

**GUARDS AND COVERS**
- Cab guards
  - Bolt-on top guard, OPG Level 2 (ISO 10262)
- Strengthened revolving frame underguards
- Revolving frame swivel guard
- Track guiding guards, ends and center
- Travel motor guard
- Radiator and oil cooler dustproof net

**HYDRAULIC SYSTEM**
- 2 speed travel with auto shift
- Power+ work mode
- Automatic swing holding brake
- Fully hydraulic, with Open-Center Load-Sensing and engine speed sensing (Pump and engine mutual control system)
- Heavy lift mode
- In-line high pressure pump outlet filters
- Pressure Proportional Control (PPC) hydraulic control system
- Shockless control system for boom
- Two-mode setting for boom

**OPERATOR ENVIRONMENT**
- 2 x 12V power ports in cab
- Auto climate control, A/C with defroster
- AM/FM radio
- Auxiliary input (3.5 mm jack)
- Cab with opening front window
- Engine shut down secondary switch
- High back air suspension seat, heated
- KomVision, 4 camera system
- Large high resolution LCD color monitor
- Lock lever
- Mirrors (RH,LH)
- Rear & Side view monitor system
- Seat belt, retractable, 3” 75 mm
- Washable cab floor mat

**GUARDS AND COVERS**
- Cab guards
  - Full front guard, OPG Level 2 (ISO 10262)

**OPERATOR ENVIRONMENT**
- Hydraulically operated access stairway
- Hydraulically operated access stairway Field Installation Kit

**UNDERCARRIAGE**
- PC1250LC-11
  - 47.2” 1200 mm double grouser track shoes
  - PC1250SP-11
  - 39.4” 1000 mm double grouser track shoes
  - Track roller guard (Full length)

**OTHER**
- Boom cylinders only

### OPTIONAL EQUIPMENT

**GUARDS AND COVERS**
- Cab guards
  - Full front guard, OPG Level 2 (ISO 10262)

**OPERATOR ENVIRONMENT**
- Hydraulically operated access stairway
- Hydraulic operated access stairway Field Installation Kit

**UNDERCARRIAGE**
- PC1250LC-11
  - 47.2” 1200 mm double grouser track shoes
  - PC1250SP-11
  - 39.4” 1000 mm double grouser track shoes
  - Track roller guard (Full length)

**WORK EQUIPMENT**
- Booms
  - PC1250LC-11
    - 29’10” 9100 mm boom assembly
  - PC1250SP-11
    - 25’7” 7800 mm SP boom assembly
- Arms
  - PC1250LC-11
    - 11’2” 3400 mm arm assembly
  - 14’9” 4500 mm arm assembly
  - 18’8” 5700 mm arm assembly
  - PC1250SP-11
    - 11’2” 3400 mm SP arm assembly

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**Note:** All comparisons and claims of improved performance made herein are made with respect to the prior Komatsu model unless otherwise specifically stated.