

# KOMATSU®

## PC1250LC-11 PC1250SP-11

*Tier 4 Final Engine*

### HYDRAULIC EXCAVATOR



Photos may include optional equipment.

#### 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 yd<sup>3</sup>  
3.3–9.5 m<sup>3</sup>

PC1250LC / PC1250SP

# WALK-AROUND

PG1250LG/PG1250SP-11



Photos may include optional equipment.

## 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 yd<sup>3</sup>  
3.3–9.5 m<sup>3</sup>





## 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 (KDPF)** to reduce particulate matter and NO<sub>x</sub>, 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
- KomVison 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.

**KomVison "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

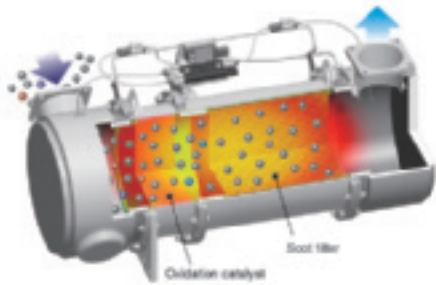
### Komatsu's New Emission Regulations-compliant Engine

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

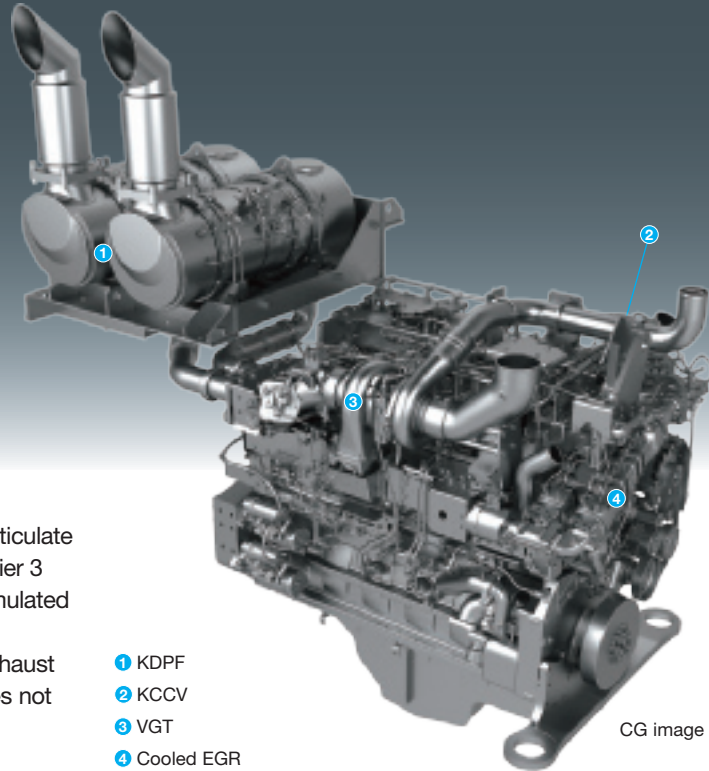
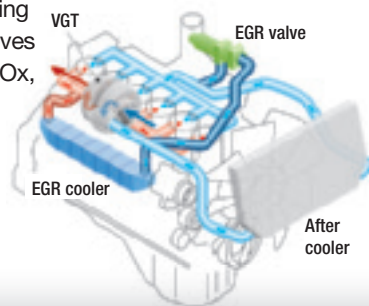
#### Heavy-duty aftertreatment system

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.



- 1 KDPF
- 2 KCCV
- 3 VGT
- 4 Cooled EGR

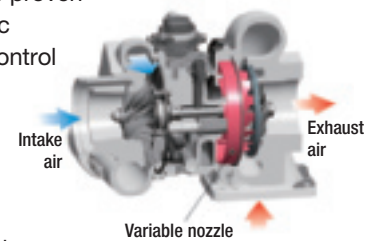
CG image

#### 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.

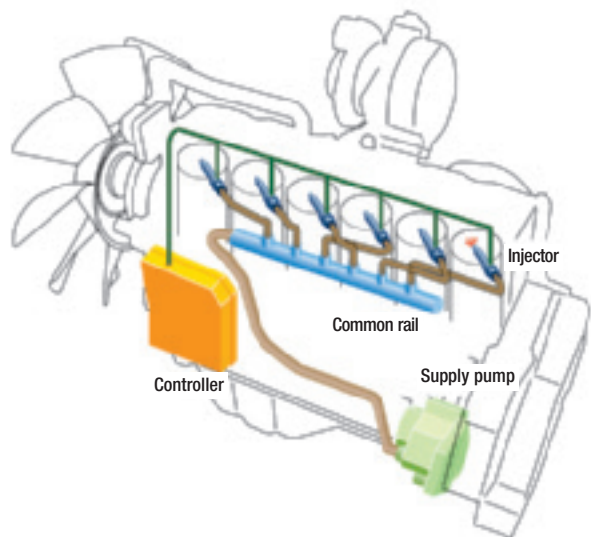


PG1250LG/PG1250SP-11



### 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

increased by up to **8%**

VS PC1250-8 P mode (90° swing and loading onto truck)

### P mode fuel efficiency

increased by up to **8%**

VS PC1250-8 P mode (90° swing and loading onto truck)

## Heavy Lift Mode

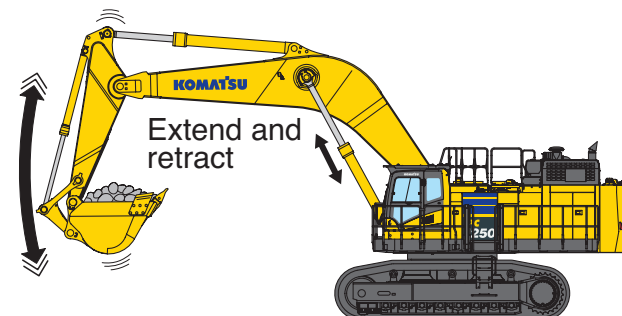
Boost hydraulic system pressure to provide up to 10% more lifting force when needed for handling rock or heavy structures.

## 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.

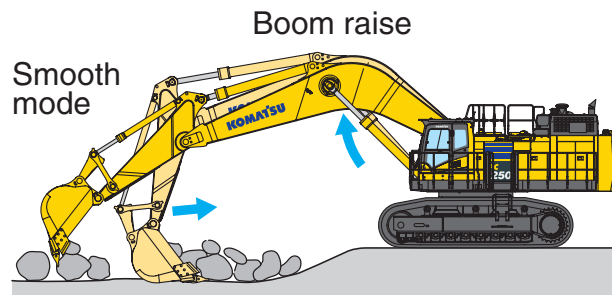
## Shockless Boom Control

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.

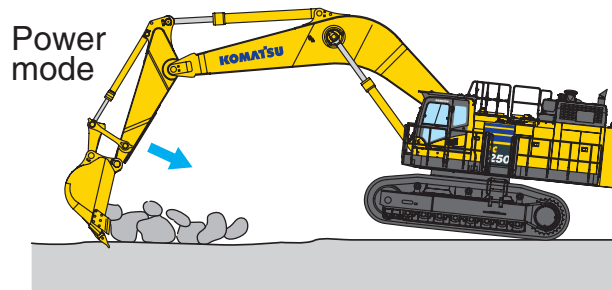


## Two-mode Setting for Boom

Smooth mode reduces boom down power for easy trench/bench floor cleaning and hammer applications.



Power mode 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.



**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.



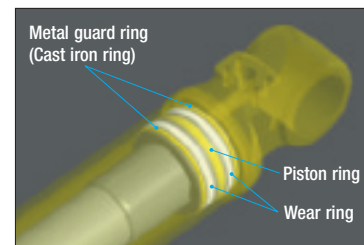
**Bulkhead wall (partition)**

between engine and hydraulic pump compartment helps shield hot exhaust components from possible contact with hydraulic oil.



**Metal Guard Rings**

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



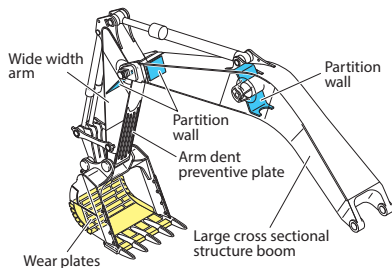
**Circuit Breaker**

Electrical components are protected with a circuit breaker.



**Heavy Duty 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.



**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.



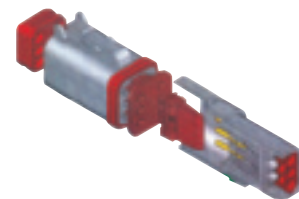
**Fuel Pre-filters with Water Separators**

Fuel help provide protection from poor fuel quality, high efficiency fuel filters provide additional protection to fuel.



**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).



## Truck Loader Match



## 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

	Capacity (yd <sup>3</sup> )		HM400-5 44 ton	HD325-8 40 ton	HD405-8 44 ton	HD465-5 61 ton	HD605-5 69 ton	HD785-7 100 ton
<b>PC1250LC-11</b>	8.0 6.1	Passes	3	3	4	5	6	9
<b>PC1250SP-11</b>	9.2 7.0	Passes	3	3	3	4	5	7

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/yd<sup>3</sup> material density



# COMFORTABLE FEATURES



## Comfortable Working Space

### Wide spacious cab

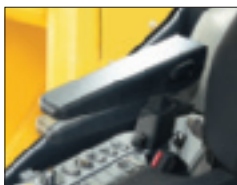
The PC1250-11 has a wider cab compared with the middle-sized excavators. It includes a seat with reclining backrest. The seat height and longitudinal inclination are easily adjusted using a pull-up lever. You can set the appropriate operational posture of armrest together with the console. Reclining 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)



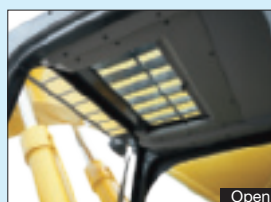
### Handling radio, ashtray



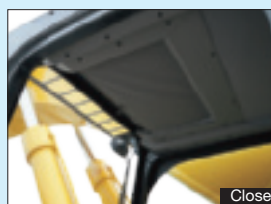
### Secondary engine shutdown



### Sun shield



Open



Close

### 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

- |                                     |                                   |
|-------------------------------------|-----------------------------------|
| ① Auto-decelerator                  | ⑦ Hydraulic oil temperature gauge |
| ② Working mode                      | ⑧ Fuel gauge                      |
| ③ Travel speed                      | ⑨ Service meter                   |
| ④ Ecology gauge                     | ⑩ Clock                           |
| ⑤ Bird's eye camera display         | ⑪ Fuel consumption gauge          |
| ⑤a Selectable single camera display | ⑫ Guidance icon                   |
| ⑥ Engine coolant temperature gauge  | ⑬ Function switches               |
|                                     | ⑭ Camera direction display        |

#### Basic operation switches

- |                         |                 |
|-------------------------|-----------------|
| ① Auto-decelerator      | ④ Buzzer cancel |
| ② Working mode selector | ⑤ Wiper         |
| ③ Travel speed selector | ⑥ 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

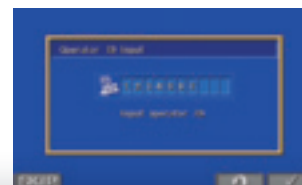
The monitor screen is provided with an ecology gauge and also a fuel consumption gauge which is displayed continuously. In addition, the operator can set any desired target value of fuel consumption (within the range of the green display), enabling the machine to be operated with better fuel economy.

### 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.

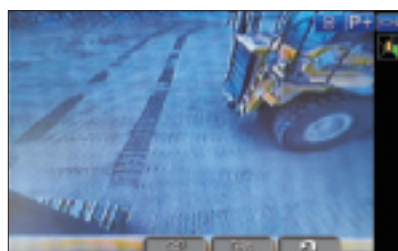
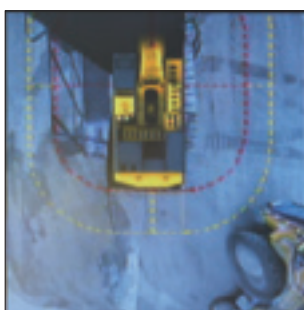






**KomVision (Standard)**

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

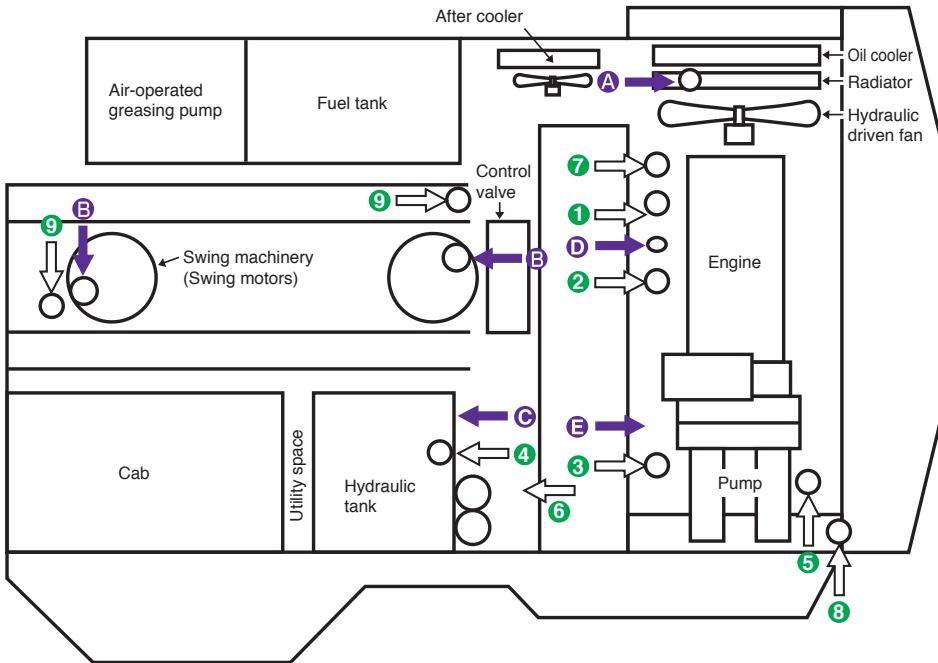
**Equipment Management Support**

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.



# MAINTENANCE FEATURES

## Komatsu Designed the PC1250LC-11 for Easy Service Access



- A** Coolant
- B** Swing machinery oil
- C** Hydraulic oil
- D** Engine oil
- E** Power Take Off (PTO) oil
- 1** Fuel filters
- 2** Fuel Pre filters
- 3** Engine oil filters
- 4** Hydraulic drain filter
- 5** Pilot filter
- 6** Hydraulic return filters
- 7** KCCV filter
- 8** PTO strainer
- 9** Swing motor cooling filters

### 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.



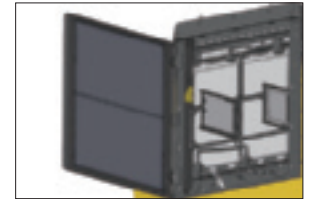
### Service Walkway Light

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.



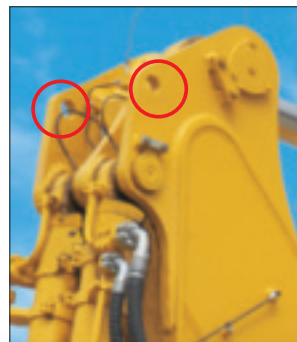
### Battery Disconnect Switch

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.

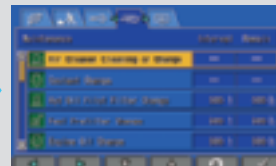
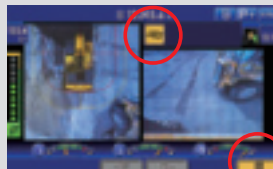
Engine oil & engine oil filter	every <b>500</b> hours
Hydraulic oil	every <b>5000</b> hours
Hydraulic oil filter	every <b>1000</b> hours

**Maintenance Information**

**“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.

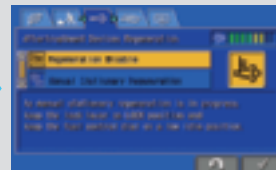
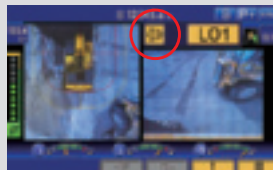
\* The setting can be changed within the range between 10 and 200 hours.



Maintenance screen

**Aftertreatment 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.



Aftertreatment device regeneration screen



## 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

## 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



KOMATSU CARE PCI250-II				
Interval PM	500	1000	1500	2000
KOWA SAMPLING – (Engine, Hydraulics, L & R Swing Machinery, L & R Final Drives, PTO Case)	✓	✓	✓	✓
CHANGE ENGINE OIL	✓	✓	✓	✓
REPLACE ENGINE OIL FILTER	✓	✓	✓	✓
REPLACE FUEL PRE-FILTER	✓	✓	✓	✓
CLEAN AIR CONDITIONER FRESH/RECIRC FILTERS	✓	✓	✓	✓
CLEAN AIR CLEANER ELEMENT	✓	✓	✓	✓
DRAIN SEDIMENT FROM FUEL TANK	✓	✓	✓	✓
COMPLETE 50 POINT INSPECTION FORM; LEAVE PINK COPY WITH CUSTOMER OR IN CAB	✓	✓	✓	✓
RESET MONITOR PANEL MAINTENANCE COUNTER FOR APPROPRIATE ITEMS	✓	✓	✓	✓
REPLACE MAIN FUEL FILTER		✓		✓
REPLACE KCCV FILTER ELEMENT				✓
FACTORY TRAINED TECHNICIAN LABOR	✓	✓	✓	✓
2 KDPF Exchanges suggested at 4,500 Hrs				

\* 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.

## Komatsu 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

PG1250LG/PG1250SP-11



# KOMTRAX EQUIPMENT MONITORING

GET THE WHOLE STORY WITH  
**KOMTRAX**<sup>®</sup>

**✓ 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**

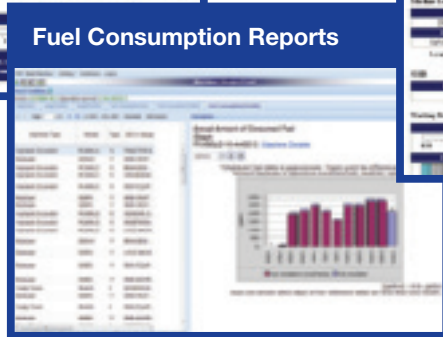
- KOMTRAX data **can be accessed virtually anywhere** through your computer, the web or your smart phone
- Automatic alerts keep fleet managers up to date on the latest machine notifications

**✓ 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

**✓ WHO**

- KOMTRAX is **standard** equipment on all Komatsu construction products



## KOMTRAX Plus<sup>®</sup>

*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.

# SPECIFICATIONS



## ENGINE

Model.....Komatsu SAA6D170E-7\*  
 Type.....Water-cooled, 4-cycle, direct injection  
 Aspiration.....Turbocharged, aftercooled, cooled, EGR  
 Number of cylinders..... 6  
 Bore..... 170 mm **6.69"**  
 Stroke..... 170 mm **6.69"**  
 Piston displacement.....23.15 ltr **1413 in<sup>3</sup>**  
 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

Type.....Open-center load sensing system,  
 1 selectable working mode  
 Main pump:  
 Type..... Variable capacity piston  
 Maximum flow implement and travel..... 2 x 494 ltr/min  
**2 x 130.5 gal/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:  
 Travel..... 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 320 kgf/cm<sup>2</sup> **4,550 psi**  
 Travel circuit..... 34.3 MPa 350 kgf/cm<sup>2</sup> **4,980 psi**  
 Swing circuit..... 29.4 MPa 300 kgf/cm<sup>2</sup> **4,267 psi**  
 Pilot circuit..... 3.1 MPa 33 kgf/cm<sup>2</sup> **455 psi**  
 Hydraulic cylinders:  
 (Number of cylinders – bore x stroke x rod diameter)  
 Boom .... 2–225 mm x 2390 mm x 160 mm **8.9" x 94.1" x 6.3"**  
 Arm ..... 1–250 mm x 2435 mm x 170 mm **9.8" x 95.9" x 6.7"**  
 Bucket:  
 Standard. 2–160 mm x 1825 mm x 115 mm **6.3" x 71.8" x 4.5"**  
 SP .....2–160 mm x 1950 mm x 115 mm **6.3" x 76.8" x 4.5"**



## DRIVES AND BRAKES

Steering control.....Two levers with pedals  
 Drive method.....Fully hydrostatic  
 Travel motor.....Axial piston motor, in-shoe design  
 Reduction system.....Planetary triple reduction  
 Maximum drawbar pull..... 686 kN 70000 kgf **154,320 lbf**  
 Gradeability..... 70%, 35°  
 Maximum travel speed:  
 High..... 3.3 km/h **2.0 mph**  
 Low..... 2.3 km/h **1.5 mph**  
 Service brake..... Hydraulic lock  
 Parking brake..... Oil disc brake



## 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):  
 Standard, SP..... 48  
 Long undercarriage..... 55  
 Number of track rollers (each side):  
 Standard, SP..... 8  
 Long undercarriage..... 10



## COOLANT & LUBRICANT CAPACITY (REFILLING)

Fuel tank..... 1,360 ltr **359.3 U.S. gal**  
 Coolant..... 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**



## SOUND PERFORMANCE

Exterior – ISO 6395.....109.9 dB(A)  
 Operator – ISO 6396..... 68.5 dB(A)



## OPERATING WEIGHT (APPROXIMATE)

**Mass Excavation:**  
 PC1250SP-11: Operating weight, including **25'7"** 7800 mm boom, **11'2"** 3400 mm arm, 6.7 m<sup>3</sup> **8.8 yd<sup>3</sup>** bucket, track roller guard, operator, lubricant, coolant, full fuel tank, and standard equipment.  
**Backhoe:**  
 PC1250LC-11: Operating weight, including **29'10"** 9100 mm boom, **11'2"** 3400 mm arm, 5.0 m<sup>3</sup> **6.5 yd<sup>3</sup>** bucket, operator, lubricant, coolant, full fuel tank, and standard equipment.

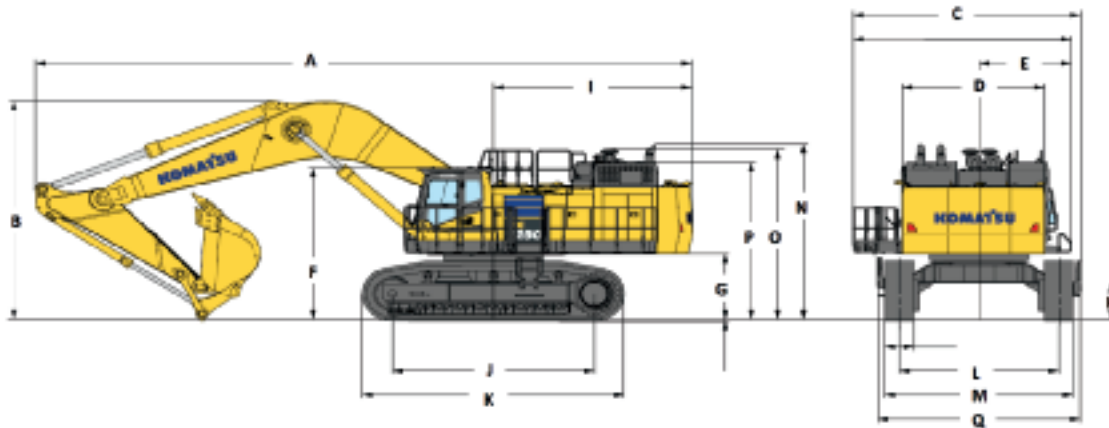
Double-Grouser Shoes	PC1250SP-11		PC1250LC-11 Gauge	
	Operating Weight	Ground Pressure (ISO 16754)	Operating Weight	Ground Pressure (ISO 16754)
700 mm	118164 kg	1.54 kg/cm <sup>2</sup>		
<b>28"</b>	<b>259,960 lb</b>	<b>21.85 psi</b>		
1000 mm	120864 kg	1.10 kg/cm <sup>2</sup>	122409 kg	0.95 kg/cm <sup>2</sup>
<b>39.4"</b>	<b>265,900 lb</b>	<b>15.64 psi</b>	<b>269,300 lb</b>	<b>13.45 psi</b>
1200 mm	123909 kg		123909 kg	0.80 kg/cm <sup>2</sup>
<b>47.25"</b>			<b>272,600 lb</b>	<b>11.35 psi</b>

PC1250LC/PC1250SP-11





**DIMENSIONS**



	PC1250LC-11	PC1250SP-11
Boom Length	9100mm 29'10"	7800mm 25'7"
Arm Length	3400mm 11'2" 4500mm 14'9" 5700mm 18'8"	3400mm 11'2"
A Overall Length	16070mm 52'9" 16100mm 52'10" 15890mm 52'2"	14840mm 48'8"
B Overall Height to top of boom	6040mm 19'10" 6460mm 21'2" 6990mm 22'11"	6265mm 20'7"
C Overall width (walkway installed)	5720mm 18'10"	5570mm 18'3"
D Upper width (L/R walkways walkway removed)	3490mm 11'5"	3490mm 11'5"
E Upper width (R walkway walkway removed)	2260mm 7'5"	2260mm 7'5"
F Overall height to top of cab	4120mm 13'6"	4120mm 13'6"
G Ground clearance, counterweight	1780mm 5'10"	1780mm 5'10"
H Ground clearance, minimum	990mm 3'3"	990mm 3'3"
I Tail swing radius	4860mm 15'11"	4860mm 15'11"
J Track length on ground	5970mm 19'7"	4995mm 16'5"
K Track length	7400mm 24'3"	6425mm 21'1"
L Track gauge	3900mm 12'10"	3900mm 12'10"
M Width over crawler		
28" 700mm shoe	N/A	4600mm 15'1"
39.4" 1000mm shoe	4900mm 16'1"	4900mm 16'1"
47.25" 1200mm shoe	5100mm 16'9"	N/A
N Height to Exhaust Stack	4810mm 15'9"	4810mm 15'9"
O Height to air cleaner	4650mm 15'3"	4650mm 15'3"
P Height to top of engine hood	4300mm 14'1"	4300mm 14'1"
Q Undercarriage width step to step	4965mm 16'4"	4965mm 16'4"



**BACKHOE BUCKET RECOMMENDATIONS**

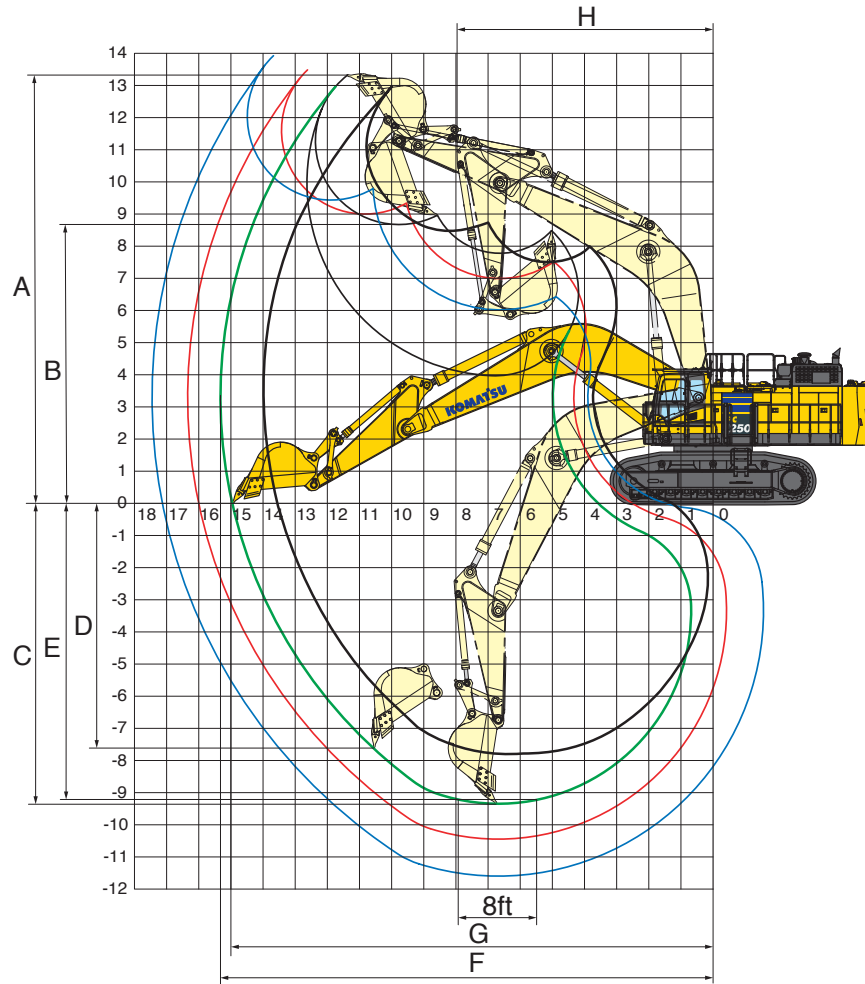
PC1250SP-11			Loose Material Density		SAE Bucket Capacity (Heaped)		Maximum Bucket Width		Typical Bucket Weight	
Bucket Type	Boom	Arm	lb/yd <sup>3</sup>	kg/m <sup>3</sup>	yd <sup>3</sup>	m <sup>3</sup>	in	mm	lb	kg
General Duty	25'7" / 7800 mm	11'2" / 3400 mm	2,500	867	10.9	8.3	100	2540	12,500	5682
Heavy Duty	25'7" / 7800 mm	11'2" / 3400 mm	2,750	954	9.2	7.0	100	2540	14,500	6591
Extreme Duty	25'7" / 7800 mm	11'2" / 3400 mm	3,000	1040	8.6	6.6	100	2540	16,500	7500
Coal	25'7" / 7800 mm	11'2" / 3400 mm	2,000	694	11.9	9.1	100	2540	16,000	7273

PC1250LC-11			Loose Material Density		SAE Bucket Capacity (Heaped)		Maximum Bucket Width		Typical Bucket Weight	
Bucket Type	Boom	Arm	lb/yd <sup>3</sup>	kg/m <sup>3</sup>	yd <sup>3</sup>	m <sup>3</sup>	in	mm	lb	kg
General Duty	29'10" / 9100 mm	11'2" / 3400 mm	2,500	867	9.5	7.3	80.0	2050	12,500	5682
Heavy Duty	29'10" / 9100 mm	11'2" / 3400 mm	2,750	954	8.0	6.1	80.0	2050	14,500	6591
Extreme Duty	29'10" / 9100 mm	11'2" / 3400 mm	3,000	1040	7.5	5.7	80.0	2050	16,500	7500
General Duty	29'10" / 9100 mm	14'9" / 4500 mm	2,500	867	6.8	5.2	67.0	1710	12,500	5682
General Duty	29'10" / 9100 mm	18'8" / 5700 mm	2,500	867	5.3	4.1	60	1510	8,000	3636

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		PC1250LC-11					
		7.8 m	25'7"	9.1 m	29'10"	9.1 m	29'10"	9.1 m	29'10"
	Boom Length	7.8 m	25'7"	9.1 m	29'10"	9.1 m	29'10"	9.1 m	29'10"
	Arm Length	3.4 m	11'2"	3.4 m	11'2"	4.5 m	14'9"	5.7 m	18'8"
<b>A</b>	Max. digging height	13000 mm	42'8"	13400 mm	44'0"	13490 mm	44'3"	13910 mm	45'8"
<b>B</b>	Max. dumping height	8450 mm	27'9"	8680 mm	28'6"	9000 mm	29'6"	9440 mm	31'0"
<b>C</b>	Max. digging depth	7900 mm	25'11"	9350 mm	30'8"	10440 mm	34'3"	11590 mm	38'0"
<b>D</b>	Max. vertical wall digging depth	5025 mm	16'6"	7610 mm	25'0"	8490 mm	27'10"	9480 mm	31'1"
<b>E</b>	Max. digging depth for 8' level bottom	7745 mm	25'5"	9220 mm	30'3"	10340 mm	33'11"	11500 mm	37'9"
<b>F</b>	Max. digging reach	14070 mm	46'2"	15350 mm	50'4"	16340 mm	53'7"	17450 mm	57'3"
<b>G</b>	Max. digging reach at ground level	13670 mm	44'10"	15000 mm	49'3"	16000 mm	52'6"	17130 mm	56'2"
<b>H</b>	Min. swing radius	6415 mm	21'1"	7965 mm	26'2"	7990 mm	26'3"	8150 mm	26'9"
<b>SAE rating</b>	Bucket digging force at power max.	502 kN 51,200 kg / <b>112,900 lb</b>	422 kN 43,000 kg / <b>94,800 lb</b>	422 kN 43,000 kg / <b>94,900 lb</b>	422 kN 43,000 kg / <b>94,900 lb</b>	343 kN 35,000 kg / <b>77,160 lb</b>			
	Arm crowd force at power max.	395 kN 40,300 kg / <b>88,860 lb</b>	392 kN 40,000 kg / <b>88,180 lb</b>	327 kN 33,300 kg / <b>73,400 lb</b>	281 kN 28,700 kg / <b>63,270 lb</b>				
<b>ISO rating</b>	Bucket digging force at power max.	570 kN 58,100 kg / <b>128,110 lb</b>	479 kN 48,800 kg / <b>107,590 lb</b>	479 kN 48,800 kg / <b>107,590 lb</b>	389 kN 39,700 kg / <b>87,520 lb</b>				
	Arm crowd force at power max.	412 kN 42,000 kg / <b>92,590 lb</b>	412 kN 42,000 kg / <b>92,590 lb</b>	337 kN 34,400 kg / <b>75,840 lb</b>	286 kN 29,200 kg / <b>64,375 lb</b>				

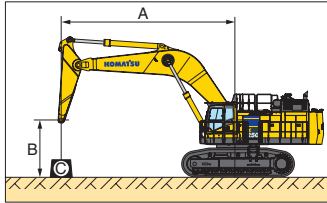
PC1250LC/PC1250SP-11



# LIFT CAPACITIES



## LIFTING CAPACITY WITH LIFTING MODE



### PC1250SP-11

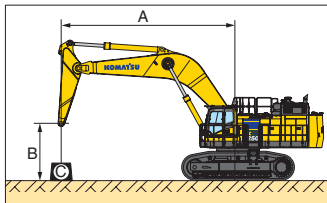
Equipment:

- 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

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

B \ A	4.6 m 15'		6.1 m 20'		7.6 m 25'		9.1 m 30'		10.7 m 35'		12.2 m 40'		⊗ MAX			
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs		
Heavy Lift On	9.0 m 29'6"									*17850	*17850			*17550	*17550	
	6.0 m 19'8"				*33300	*33300	*29200	*29200	*26800	25100					*17650	*17650
	3.0 m 10'			*35650	*35650	*41600	38050	*34050	29350	28600	23600	*23600	19550	*19000	*19000	
	0 m 0'	33150	33150	*52550	49000	44250	35500	34050	27700	27500	22550			*22150	20050	
	-3.0 m -10'	50050	50050	*52050	*48750	*41900	35150	*33650	27400	*26500	22650			*28250	23550	
	-6.0 m -19'8"			*35800	*35800										*62180	51840
				*78460	*78460	*91550	83740	*74940	64600	62950	51950	*51950	43040	*41830	*41830	
				*115640	107830	97380	78130	74940	60970	60530	49640				*48760	44140
				*110140	110140	*114540	*107280	*92210	77360	*74060	60310	*58330	49860			
Heavy Lift Off	9.0 m 29'6"									*16350	*16350			*16100	*16100	
	6.0 m 19'8"					*29950	*29950	*26200	*26200	*23950	*23950			*16150	*16150	
	3.0 m 10'			*35650	*35650	*37200	*32000	*30400	29350	*26250	23600	*22800	19550	*17400	*17400	
	0 m 0'	*31650	*31650	*47650	*47650	*39550	35500	*32400	27700	*27350	22550			*20350	20050	
	-3.0 m -10'	*45400	*45400	*46350	*46350	*37300	35150	*30300	27400	*23500	22650			*25050	23550	
	-6.0 m -19'8"			*31600	*31600										*55408	52086
				*78879	*78879	*82311	*82311	*67254	64929	*58065	52197	*50426	43229	*38469	*38469	
				*105451	*105451	*87515	78547	*71683	61276	*60501	49872				*45001	44336
				*100469	*100469	*102572	*102572	*82533	77772	*67033	60611	*51976	50094			

Unit:  
kg  
lb



### 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

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

B \ A	4.6 m 15'		6.1 m 20'		7.6 m 25'		9.1 m 30'		10.7 m 35'		12.2 m 40'		⊗ MAX			
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs		
Heavy Lift On	9.0 m 29'6"													*17600	*17600	
	6.0 m 19'8"					*32650	*32650	*28800	*28800	*26500	24950			*17600	*17600	
	3.0 m 10'			*36450	*36450	*40750	37900	*33400	29250	28550	23550	*20600	19450	*18950	*18950	
	0 m 0'	*32950	*32950	*55800	48750	*43600	35400	33950	27600	27450	22500			*22150	20450	
	-3.0 m -10'	*52100	*52100	*51150	*48450	*41100	35000	*33250	27350					*28250	23900	
	-6.0 m -19'8"			*112790	*106890	*90590	77190	*73390	60290						*62290	53190
				*80390	*80390	*80290	*80290	*65790	64490	*56990	51890	*45390	42890	*41790	*41790	
				*123090	107390	*96190	77990	74890	60890	60490	49590				*48890	45090
				*114890	*114890	*112790	*106890	*90590	77190	*73390	60290					
Heavy Lift Off	9.0 m 29'6"													*16100	*16100	
	6.0 m 19'8"					*29350	*29350	*25800	*25800	*23700	*23700			*16150	*16150	
	3.0 m 10'			*36450	*36450	*36400	*36400	*29850	29250	*25850	23550	*18850	*18850	*17400	*17400	
	0 m 0'	*32650	*32650	*49800	48750	*38900	*35400	*31850	27600	*26850	22500			*20350	*20350	
	-3.0 m -10'	*47300	*47300	*45550	*45550	*36550	35000	*29650	27350					*25050	24100	
	-6.0 m -19'8"			*30300	*30300										*55290	53190
				*80390	*80390	*80290	*80290	*65790	64490	*56990	51890	*41590	*41590	*38290	*38290	
				*109790	107390	*85690	*77990	*70190	60890	*59290	49590				*44790	*44790
				*104290	*104290	*100390	*100390	*80590	77190	*65190	60290					

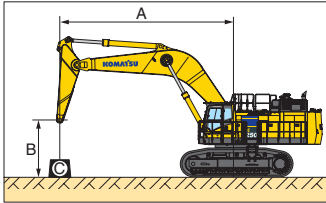
Unit:  
kg  
lb

\*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. 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

kg

## LIFTING CAPACITY WITH LIFTING MODE



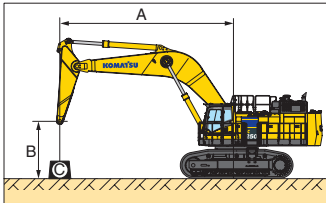
### PC1250LC-11

Equipment:

- Boom: 29' 10" 9100 mm
- Arm: 11' 2" 3400 mm
- Bucket: None
- Track shoe width: 39.4" 1000 mm double grouser
- Track gauge in extended position

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

B	A 4.6 m 15'		6.1 m 20'		7.6 m 25'		9.1 m 30'		10.7 m 35'		12.2 m 40'		⊗ MAX		Unit:	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs		
Heavy Lift On	9.0 m								*21540	*21540			*19040	*19040	kg	
	29'6"								*47497	*47497			*41897	*41897		lb
	6.0 m				*30890	*30890	*26140	*26140	*23440	*23440	*21940	20340	*19240	18490		
	19'8"				*67997	*67997	*57597	*57597	*51697	*51697	*48397	44797	*42397	40697		
	3.0 m															
	10'															
	0 m				*23340	*23340	*41690	34240	*34140	26940	*28840	22040	*25140	18540	*23890	17540
	0'				*51397	*51397	*91897	75497	*75197	59297	*63597	48597	*55397	40897	*52697	38597
	-3.0 m	*24290	*24290	*50040	*47490	*40740	34140	*33740	26540	*28340	21790			*25440	19890	
	-10'	*53497	*53497	*110397	*104697	*89797	75197	*74397	58497	*62497	47997			*56097	43897	
-6.0 m	*49990	*49990	*41340	*41340	*34040	*34040	*26790	*26790					*26440	*26440		
-19'8"	*110197	*110197	*91097	*91097	*74997	*74997	*59097	*59097					*58297	*58297		
Heavy Lift Off	9.0 m								*19240	*19240			*17390	*17390	kg	
	29'6"								*42397	*42397			*38297	*38297		lb
	6.0 m				*27540	*27540	*23290	*23290	*20890	*20890	*19490	*19490	*17590	*17590		
	19'8"				*60697	*60697	*51397	*51397	*45997	*45997	*42997	*42997	*38797	*38797		
	3.0 m															
	10'															
	0 m				*23340	*23340	*36990	34240	*30240	26940	*25540	22040	*22240	18540	*21240	17540
	0'				*51397	*51397	*81497	75497	*66697	59297	*56297	48597	*48997	40897	*46797	38597
	-3.0 m	*24290	*24290	*44390	*44390	*36140	34140	*29890	26540	*25090	21790			*22540	19890	
	-10'	*53497	*53497	*97797	*97797	*79597	75197	*79597	58497	*55297	47997			*49597	43897	
-6.0 m	*44090	*44090	*36490	*36490	*30040	*30040	*23640	*23640					*23290	*23290		
-19'8"	*97197	*97197	*80497	*80497	*66197	*66197	*52097	*52097					*51397	*51397		



### PC1250LC-11

Equipment:

- Boom: 29' 10" 9100 mm
- Arm: 11' 2" 3400 mm
- Bucket: None
- Track shoe width: 47.25" 1200 mm double grouser
- Track gauge in extended position

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

B	A 4.6 m 15'		6.1 m 20'		7.6 m 25'		9.1 m 30'		10.7 m 35'		12.2 m 40'		⊗ MAX		Unit:	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs		
Heavy Lift On	9.0 m								*20000	*20000			*18500	*18500	kg	
	29'6"								*46311	*46311			*40711	*40711		lb
	6.0 m				*30350	*30350	*25600	*25600	*22900	*22900	*21400	20050	*18700	18150		
	19'8"				*66811	*66811	*56411	*56411	*50511	*50511	*47211	44211	*41211	40011		
	3.0 m															
	10'															
	0 m				*22800	*22800	*41150	34150	*33600	26700	*28300	21800	*24600	18250	*23350	17200
	0'				*50211	*50211	*90711	75311	*74011	58911	*62411	48011	*54211	40211	*51511	37911
	-3.0 m	*23750	*23750	*49500	*47550	*40200	34000	*33200	26350	*27800	21550			*24900	19600	
	-10'	*52311	*52311	*109211	*104911	*88611	75011	*73211	58011	*61311	47411			*54911	43211	
-6.0 m	*49450	*49450	*40800	*40800	*33500	*33500	*26250	*26250					*25900	25900		
-19'8"	*109011	*109011	*89911	*89911	*73811	*73811	*57911	*57911					*57111	57111		
Heavy Lift Off	9.0 m								*18700	*18700			*16850	*16850	kg	
	29'6"								*41211	*41211			*37111	*37111		lb
	6.0 m				*27000	*27000	*22750	*22750	*20350	*20350	*18950	*18950	*17050	*17050		
	19'8"				*59511	*59511	*50211	*50211	*44811	*44811	*41811	*41811	*37611	*37611		
	3.0 m															
	10'															
	0 m				*22800	*22810	*36450	34150	*29700	26700	*25000	21800	*21700	18250	*20700	20700
	0'				*50211	*50211	*80311	75311	*65511	58911	*55111	48011	*47811	40211	*45611	45611
	-3.0 m	*23750	*23750	*43850	*43850	*35600	34000	*29350	26350	*24550	21550			*22000	22000	
	-10'	*52311	*52311	*96611	*96611	*78411	75011	*64711	58011	*54111	47411			*48411	48411	
-6.0 m	*43550	*43550	*35950	*35950	*29500	*29500	*23100	*23100					*22750	*22750		
-19'8"	*96011	*96011	*79311	*79311	*65011	*65011	*50911	*50911					*50211	*50211		

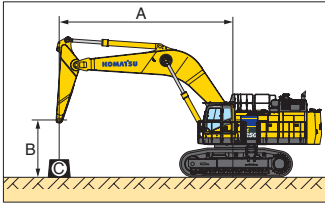
\*Asterisk indicates load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated load capacity does not exceed 87% of hydraulic lift capacity or 75% of tipping load. Total weight of bucket and/or installed attachments must be deducted from the capacities 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.

PC1250LC/PC1250SP-11





**LIFTING CAPACITY WITH LIFTING MODE**



**PC1250LC-11**

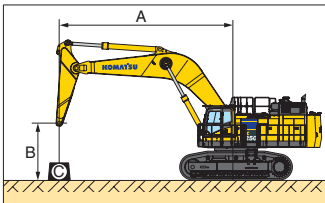
Equipment:

- 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

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

B \ A	4.6 m 15'		6.1 m 20'		7.6 m 25'		9.1 m 30'		10.7 m 35'		12.2 m 40'		⊗ MAX		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
Heavy Lift On	9.0 m 29'6"											*18450	*18450	*13700	*13700
	6.0 m 19'8"											*40711	*40711	*30111	*30111
	3.0 m 10'					*34200	*34200	*28600	28300	*24550	22950	*21950	19000	*14650	*14650
	0 m 0'					*75311	*75311	*63111	62411	*54111	50611	*48311	41911	*32311	*32311
	-3.0 m -10'	*27550	*27550	*49500	46150	*40550	32850	*33200	25500	*28000	20850	*23950	17600	*20600	16850
	-6.0 m -19'8"	*60811	*60811	*109111	101711	*89311	72411	*73211	56211	*71711	45911	*52811	38811	*45311	37111
		*56700	*56700	*44950	*44950	*36450	33750	*29950	26150	*23650	21550			*24100	21850
		*25511	*25511	*99111	*99111	*80411	74411	*66011	57611	*52111	47511			*53111	48211
Heavy Lift Off	9.0 m 29'6"											*16400	*16400	*12450	*12450
	6.0 m 19'8"											*36111	*36111	*27411	*27411
	3.0 m 10'					*30300	*30300	*25350	*25350	*21700	*21700	*19350	19000	*13300	*13300
	0 m 0'					*66811	*66811	*55811	*55811	*47811	*47811	*42611	41911	*29311	*29311
	-3.0 m -10'	*25000	*25000	*43850	*43850	*35800	32850	29300	25500	*24700	20850	*21100	17600	*18750	*16850
	-6.0 m -19'8"	*55111	*55111	*96711	*78911	*78911	72411	75611	56211	*54411	45911	*46411	38811	*41311	*37111
		*50200	*50200	*39650	*39650	*32150	*32150	*26350	*26000	*20750	*20750			*21150	*21150
		*110611	*110611	*87411	*87411	*70811	*70811	*58111	*57311	*45811	*45811			*46611	*46611

Unit:  
kg  
lb



**PC1250LC-11**

Equipment:

- Boom: 29' 10" 9100 mm
- Arm: 14' 9" 4500 mm
- Bucket: None
- Track shoe width: 47.25" 1200 mm double grouser
- Track gauge in extended position

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

B \ A	4.6 m 15'		6.1 m 20'		7.6 m 25'		9.1 m 30'		10.7 m 35'		12.2 m 40'		⊗ MAX		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
Heavy Lift On	9.0 m 29'6"											*18450	*18450	*13700	*13700
	6.0 m 19'8"											*40711	*40711	*30111	*30111
	3.0 m 10'					*34200	*34200	*28600	*28600	*24550	23250	*21950	19250	*14650	*14650
	0 m 0'					*75311	*75311	*63111	*63111	*54111	51211	*48311	42411	*32311	*32311
	-3.0 m -10'	*27550	*27550	*49500	46750	*40550	33300	*33200	25850	*28000	21100	*23950	17850	*20600	17100
	-6.0 m -19'8"	*60811	*60811	*109111	103011	*89311	73411	*73211	57011	*61711	46511	*52811	39311	*45311	37611
		*56900	*56900	*44950	*44950	*36450	34200	*29950	26500	*23650	21800			*24100	22150
		*125511	*125511	*99111	*99111	*80411	75311	*66011	58411	*52111	48111			*53111	48811
Heavy Lift Off	9.0 m 29'6"											*16400	*16400	*12450	*12450
	6.0 m 19'8"											*36111	*36111	*27411	*27411
	3.0 m 10'					*30300	*30300	*25350	*25350	*21700	*21700	*19350	19250	*13300	*13300
	0 m 0'					*66811	*66811	*55811	*55811	*47811	*47811	*42611	42411	*29311	*29311
	-3.0 m -10'	*25000	*25000	*43850	*43850	*35800	33300	*29300	25850	*24700	21100	*21100	17850	*18750	17100
	-6.0 m -19'8"	*55111	*55111	*96711	*78911	*78911	73411	*64611	57011	*54411	46511	*46411	39311	*41311	37611
		*50200	*50200	*39650	*39650	*32150	*32150	*26350	*26300	*20750	*20750			*21150	*21150
		*110611	*110611	*87411	*87411	*70811	*70811	*58111	*58011	*45811	*45811			*46611	*46611

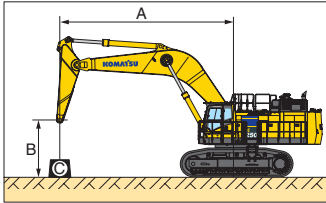
Unit:  
kg  
lb

\*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. 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

kg

## LIFTING CAPACITY WITH LIFTING MODE



### PC1250LC-11

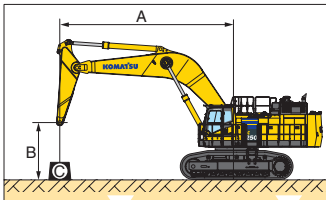
Equipment:

- 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

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

B	A	4.6 m 15'		6.1 m 20'		7.6 m 25'		9.1 m 30'		10.7 m 35'		12.2 m 40'		⊗ MAX		
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
Heavy Lift On	9.0 m 29'6"													*9895	*9895	
	6.0 m 19'8"											*17495	*17495	*9895	*9895	
	3.0 m 10'			*30195	*30195	*31645	*31645	*25845	*25845	*22345	*22345	*20095	19045	*10445	*10445	
	0 m 0'			*66549	*66549	*69749	*69749	*56949	*56949	*49249	*49249	*44249	42049	*22949	*22949	
	-3.0 m -10'	*27145	*27145	*43395	*43395	*39945	32145	*32545	24995	*27395	20295	*23595	17045	*13895	*13895	
	-6.0 m -19'8"	*59849	*59849	*95649	*95649	*88049	70849	*71749	55049	*60349	44749	*52049	37549	*30649	*30649	
		*52395	*52395	*47595	*45645	*37995	32495	*31195	25095	*25945	20445	*21145	17345	*19145	17645	
		*115549	*115549	*104949	*100649	*83749	71649	*68749	55249	*57149	45049	*46549	38249	*42149	38949	
															*8945	*8945
															*19649	*19649
Heavy Lift Off	9.0 m 29'6"													*8945	*8945	
	6.0 m 19'8"											*15395	*15395	*8945	*8945	
	3.0 m 10'			*30195	*30195	*27995	*27995	*22845	*22845	*19695	*19695	*17695	*17695	*9395	*9395	
	0 m 0'			*66549	*66549	*61749	*61749	*50349	*50349	*43449	*43449	*38949	*38949	*20749	*20749	
	-3.0 m -10'	*24545	*24545	*39455	*39454	*35195	32145	*28645	24995	*24095	20295	*20695	17045	*12545	*12545	
	-6.0 m -19'8"	*54149	*54149	*86949	*86949	*77549	70849	*63149	55049	*53049	43749	*45649	37549	*27649	*27649	
		*47645	*47645	*41945	*41945	*33395	32495	*27395	25095	*22745	20445	*18495	17345	*17345	*17345	
		*105049	*105049	*92449	*92449	*74649	71649	*60349	55249	*50149	45049	*40749	38249	*38149	*38149	

Unit:  
kg  
lb



### PC1250LC-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

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

B	A	4.6 m 15'		6.1 m 20'		7.6 m 25'		9.1 m 30'		10.7 m 35'		12.2 m 40'		⊗ MAX		
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
Heavy Lift On	9.0 m 29'6"													*9895	*9895	
	6.0 m 19'8"											*17495	*17495	*9895	*9895	
	3.0 m 10'			*30195	*30195	*31645	*31645	*25845	*25845	*22345	*22345	*20095	19295	*10445	*10445	
	0 m 0'			*66549	*66549	*69749	*69749	*56949	*56949	*49249	*49249	*44249	42549	*22949	*22949	
	-3.0 m -10'	*27145	*27145	*43395	*43395	*39945	32595	*32545	25295	*27395	20595	*23595	17245	*13895	*13895	
	-6.0 m -19'8"	*59849	*59849	*95649	*95649	*88049	71849	*71749	55749	*60349	45349	*52049	38049	*30649	*30649	
		*52395	*52395	*47595	*45895	*37995	32945	*31195	25445	*25945	20695	*21145	17595	*19145	17895	
		*115549	*115549	*104949	*101149	*83749	70749	*68749	56049	*57149	45649	*46549	38849	*42149	39449	
															*8945	*8945
															*19649	*19649
Heavy Lift Off	9.0 m 29'6"													*8945	*8945	
	6.0 m 19'8"											*15395	*15395	*8945	*8945	
	3.0 m 10'			*30195	*30195	*27995	*27995	*22845	*22845	*19695	*19695	*17695	*17695	*9395	*9395	
	0 m 0'			*76549	*76549	*61749	*61749	*50349	*50349	*43449	*43449	*38949	*38949	*9589	*9589	
	-3.0 m -10'	24545	24545	*39445	*39445	*35195	32595	*28645	25295	*24095	20595	*20695	17245	*12545	*12545	
	-6.0 m -19'8"	54149	54149	*86949	*86949	*77549	71849	*63149	55749	*53049	45349	*45649	38049	*27649	*27649	
		47645	47645	*41945	*41945	*33395	*32645	*27395	25445	*22745	20695	*18495	17595	*17345	*17345	
		105049	105049	*92449	*92449	*73649	*71949	*60349	56049	*50149	45649	*40749	38849	*38149	*38149	

Unit:  
kg  
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. 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.

PC1250LC/PC1250SP-11

# TRANSPORTATION GUIDE



## MAJOR COMPONENT WEIGHTS

Major Component Dimensions (length x height x width)

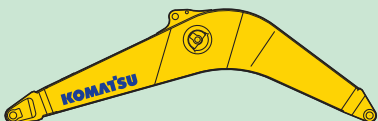
Specs shown include the following equipment:

**LC:** Boom 9100 mm, arm 3400 mm, shoes 1000 mm double grouser

**SP:** Boom 7600 mm, arm 3400 mm, shoes 700 mm double grouser

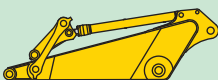
### Work equipment assembly

#### Booms



	Weight	Length	Width	Height
9100mm 29'10" Boom	11150 kg 24,581 lb	9475 mm 31'1"	1474 mm 58"	2894 mm 9'6"
7800mm 25'7" Boom	11150 kg 24,581 lb	8170 mm 26'10"	1474 mm 58"	3095 mm 10'2"

#### Arms



PC1250LC-11	3400mm 11'2"
Weight	6200 kg 13,669 lb
Length	4895 mm 16'1"
Width	890 mm 2'11"
Height	1626 mm 5'4"

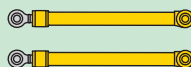
PC1250SP-11	3400mm 11'2"
Weight	6400 kg 14,110 lb
Length	4914 mm 16'5"
Width	890 mm 2'11"
Height	1683 mm 5'6"

#### Arm cylinder



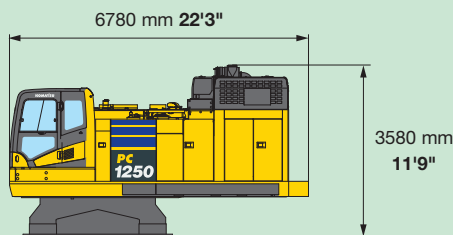
1500 kg 3,307 lb      Length : 3950 mm 13'0"

#### Boom cylinders



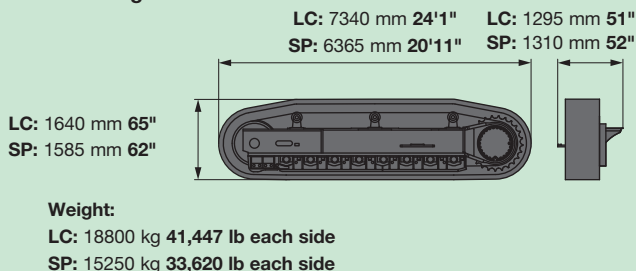
1200 kg 2,466 lb each      Length: 3810 mm 12'6"

### Upper structure



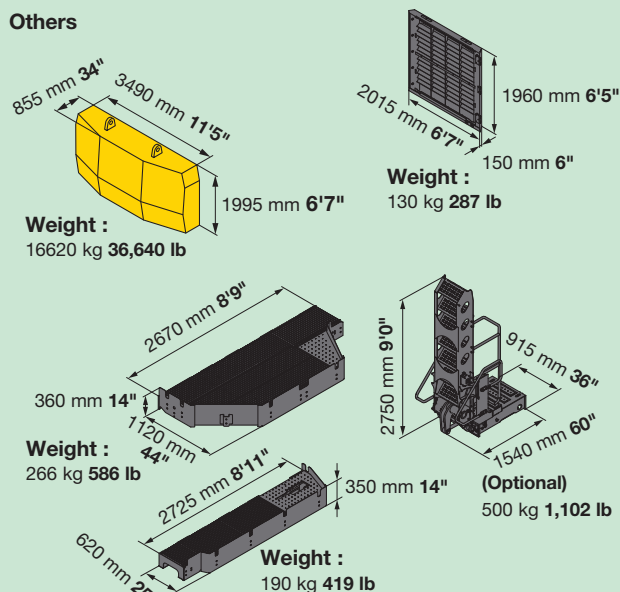
Width : 3495 mm 11'6"  
Weight : 40700 kg 89,728 lb

### Undercarriage



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

### Others







## 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 under-guards
- 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

### OTHER EQUIPMENT

- Counterweight, **36,640 lb** 16620 kg
- Electric priming pump for fuel system
- Equipment Management Monitoring System
- Grease gun, with hose reel and air power pump
- Hand rails & guard rails
- Horn, air
- KOMTRAX 5.0 with KOMTRAX Plus
- One-touch engine oil drainage
- Preventive Maintenance (PM) service connector
- Tie off points on boom & arm (ISO 14567)
- Rear reflector
- Seat belt indicator
- Slip-resistant plates
- Travel alarm
- Vandalism protection locks
- Wide walkways

### PC1250LC-11 UNDERCARRIAGE

- Carrier rollers, 3 (Each side)
- Hydraulic track adjusters (Each side)
- Track rollers, 10 (Each side)
- Track shoes, **39.4"** 1000 mm double grouser

### PC1250SP-11 UNDERCARRIAGE

- Carrier rollers, 3 (Each side)
- Hydraulic track adjusters (Each side)
- Track rollers, 8 (Each side)
- Track shoes, **27.6"** 700 mm double grouser



## 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)

### OTHER

- Boom cylinders only

### 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

AESS861-02

©2019 Komatsu America Corp.

Printed in USA

AD04(1.5M)OTP

04/19 (EV-1)

# KOMATSU®

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



www.komatsuamerica.com

Komatsu America Corp. is an authorized licensee of Komatsu Ltd. Materials and specifications are subject to change without notice

**KOMATSU®**, Komatsu Care®, KOMTRAX® and KOMTRAX Plus® are registered trademarks of Komatsu Ltd. All other trademarks and service marks used herein are the property of Komatsu Ltd., Komatsu America Corp. or their respective owners or licensees.

PC1250LC/PC1250SP-11