KOMATSU

PC
1250

PC1250SP-7

PC1250-7 / BACKHOE - LOADING SHOVEL

Hydraulic Excavator

FLYWHEEL HORSEPOWER
485 kW / 651 HP

OPERATING WEIGHT
106.700 - 109.500 kg

BACKHOE
3,4 - 6,7 m^3

LOADING SHOVEL
6,5 m^3

WALK-AROUND

Productivity Features

- **Largest digging force**
  Bucket digging force and arm crowd force are largest in its class.
- **Largest bucket capacity** in its class. The wide opening shape and shallow bottom facilitates loading.
- **Faster hydraulics**
  The high-output engine on the PC1250-7 provides plenty of hydraulic horsepower for faster cycle times and increased productivity.
- **Fuel consumption** is reduced 13% with Economy Mode.

Excellent Reliability and Durability

- **Strengthened boom** and arm have larger cross-sections and improved welding for maximum strength and reliability.
- **Two-mode setting for boom**
  Switch selection allows either powerful digging or smooth boom operation.
- **Shockless boom**
  Switch selection reduces chassis vibration after sudden stops.
- **Boom foot hoses** are arranged on the inside, improving hose life and safety.

Harmony with Environment

- Low emission engine
  Powerful turbocharged and air-to-air aftercooled Komatsu SAA6D170E-3 engine provides 485 kW **651 flywheel HP**. The engine meets European stage II emission regulations without sacrificing power or machine productivity.

NET HORSEPOWER
485 kW / 651 HP

OPERATING WEIGHT
106.700 - 109.500 kg

BACKHOE
3,4 - 6,7 m^3

LOADING SHOVEL
6,5 m^3

Large Comfortable Cab

- Low noise and vibration with cab damper mounting.
- Large-capacity cab with narrow corner posts provides improved visibility.
- Large-capacity air conditioner.
  Pressurized cab prevents external dust from entering.

Easy maintenance

- Replacement intervals are extended for engine oil, engine oil filter, and hydraulic filter.
- Large platform and catwalk provide easy access to the engine and hydraulic equipment.

Advanced monitor features

- Machine condition can be checked with Equipment Management Monitoring System (EMMS).
- Two working modes combine with heavy lift mode for maximum productivity.

- **Protected hydraulic circuit**
  The cool-running hydraulic system is protected with the most extensive filtration system available, including a high pressure in-line filter for each main pump.
- **Sturdy guards** shield the travel motors against damage from rocks.
- **Highly Reliable Electronic Devices**
  Exclusively designed electronic devices have passed severe testing.
  - Controller
  - Sensors
  - Connectors
  - Heat resistant wiring

PRODUCTIVITY FEATURES

High Production and Low Fuel Consumption

Engine

The PC1250-7 gets its exceptional power and work capacity from its Komatsu SAA6D170E-3 engine. Output is 485 kW, 651 HP/660 PS providing more hydraulic power. In addition, the fuel consumption is reduced by 13% when using Economy Mode.
The engine meets European stage II emission regulations. Noise levels are reduced for greater operator comfort.

Largest Bucket Capacity

Bucket capacity is the largest in its class and its large opening and shallow bottom offers easy loading.

Improved Machine Stability

The center of gravity is moved rearward and the 18,0 tonne counterweight provides the stability and lifting capacity needed for maximum productivity.

Additional Features

- Large digging force
- Large drawbar pull
- Fast cycle times

Working Mode Selection

Hydraulics
Unique three-pump system assures smooth compound movement of the work equipment. OLSS (Open Center Load Sensing System) controls all three pumps for efficient engine power use. This system also reduces hydraulic loss during operation.

Active and Economy mode
The PC1250-7 excavator is equipped with two working modes. Each mode is designed to match engine speed, pump speed, and system pressure with the current application, giving the operator flexibility to match equipment performance to the job at hand.

Working Mode	Application	Advantage
A	Active Mode	• Maximum production/power • Fast cycle times
E	Economy Mode	• Good cycle times • Good fuel economy

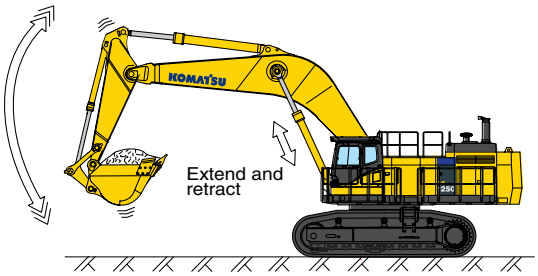
Multi-Function Color Monitor

Heavy Lift Mode
Gives the operator approximately 10% more lifting force on the boom when needed for handling rock or heavy lifting applications.

Two Settings for the Boom
Smooth mode provides easy operation for gathering blasted rock and scraping operations. When maximum digging force is needed, switch to power mode for more effective excavating.

Swing priority setting
The swing priority setting allows the operator to use the same easy motion for 180˚ loading as 90˚ loading operations. By altering the oil flow this setting allows you to select either boom or swing as the priority for increased production.

Shockless Boom Control
The PC1250-7 features a shockless valve (double-check slow return valve) that automatically reduces the amount of vibration present when operating the boom. Operator fatigue is reduced (which can improve safety and productivity), and spillage caused by vibration is prevented.



EMMS (Equipment Management Monitoring System)

1. Monitor Function
   Controller monitors engine oil level, coolant temperature, battery charge and air clogging, etc.
   The controller finds any abnormality, and displays it on the LCD.
2. Maintenance Monitor Function
   informs replacement time of oil and filters on LCD when the replacement interval is reached.
3. Trouble Data Memory Function stores machine abnormalities (error codes) in the monitor for effective trouble shooting.

MAINTENANCE FEATURES

Komatsu designed the PC1250-7 for easy service access.

Wide walkways for maintenance are provided around the engine and hydraulic components, allowing easy access for inspection and maintenance points. Access doors open outward, making inspection of the engine and hydraulic systems easy.

Large service doors provide easy access to the engine compartments. (Photo shown with side doors open to front of engine).

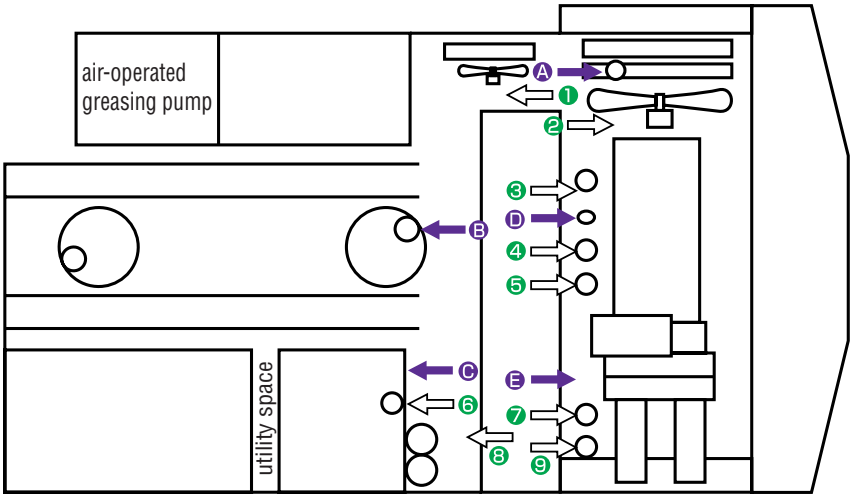
The **boom foot hoses** are arranged inside to reduce hose bend during operation, extending hose life and improving operator safety.

Reduced Maintenance Costs

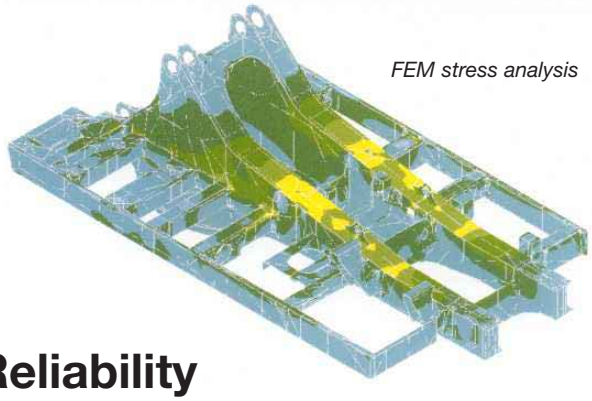
Replacement intervals of engine oil, engine oil filter, and hydraulic oil filter are extended to 500 hours, and replacement interval of hydraulic oil is extended to 5000 hours.

Machine Availability Is Increased by Vehicle Health Monitoring System (VHMS) (Optional)

Vehicle Health Monitoring System (VHMS) collects and stores operation data of machine and major components in real time. Collected data are not only various kinds of machine data such as engine oil temperature, engine exhaust temperature etc, but also includes operating condition data such as fuel consumption, engine load factor etc.
These data can be utilized by downloading personal computer to effectively diagnosis machine health conditions.
Moreover, combined with EMMS function which displays error code, machine and maintenance information on color graphics screen (patent pending), VHMS reduces maintenance time and increases machine availability.
Orbit communication function (Orbcomm) available as an upgraded feature of VHMS enables remote monitoring of the machine condition.



- A *Coolant*
- B *Swing machinery*
- C *Hydraulic tank*
- D *Engine oil*
- E *PTO case*
- 1 *Aftercooler fan mount*
- 2 *Fan belt*
- 3 *Corrosion resister*
- 4 *Fuel filter*
- 5 *Engine oil filter*
- 6 *Hydraulic drain filter*
- 7 *Pilot filter*
- 8 *Return filter*
- 9 *PTO lubricating oil filter*



FEM stress analysis

Increased Reliability

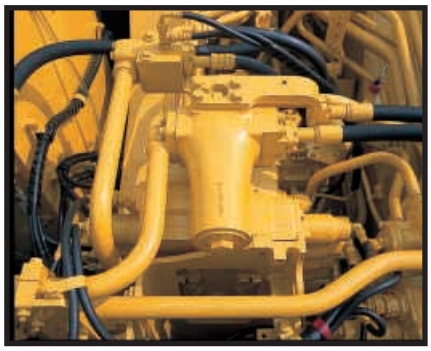
The PC1250-7 incorporates many improvements in strength and reliability.

Frame structure. Plate thickness of the revolving frame and center frame is increased and stiffener plates are added to improve durability.

The **boom and arm** have increased cross section and plate thickness, as well as continuous both-side groove welding, improving digging and side contact strength.

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

In-line filtration



High-pressure in-line filtration. The PC1250-7 has the most extensive filtration system available, providing in-line filters as standard equipment. An in-line filter in the outlet port of each main hydraulic pump reduces failures caused by contamination.

The **undercarriage** is strengthened to provide excellent reliability and durability when working on rocky ground or blasted rock.

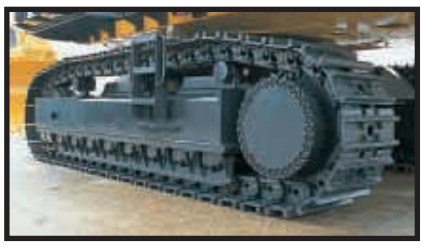
Metal guard rings protect all the hydraulic cylinders and improve reliability.

Heat-resistant wiring is utilized not only for the electric circuit of the engine, but also for other whole units.

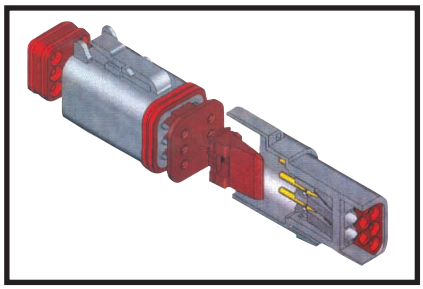
With the **circuit breaker**, the machine can be easily restarted after repair.

Sturdy guards shield the piping against damage from rocks.

Sturdy guards shield the travel motors against damage from rocks.



Track roller guard (full length) (optional)



Employment of **DT-type connectors** which seal tight and have higher reliability.

WORKING ENVIRONMENT

The CAB INTERIOR is spacious and provides a comfortable working environment…

Operator's Cab

Superb Visibility

The PC1250-7's large capacity cab and increased glass area provide superb front visibility.

Cab Mounts

The new cab damper mounting reduces vibration and noise at operator's seat.

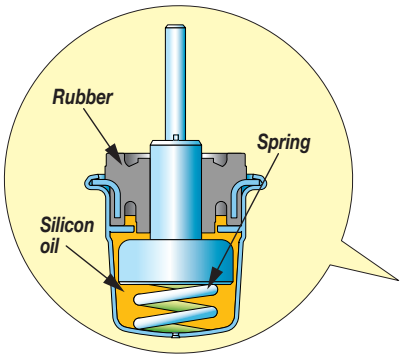


Photo shown includes Falling Object Protection System (FOPS).

Bottle holder and magazine rack.

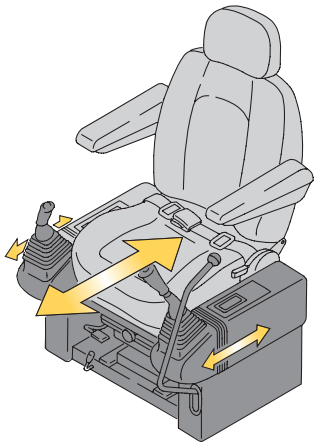
Hot & cool box.

Air conditioner.

Noise

The noise levels at the operator's ear are decreased by improving the cab mounts and cab sealing performance.

Multi-Position Controls



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

Pressurized Cab

Cab pressurization is increased to prevent external dust from entering the cab with optional air conditioner.

Automatic Air Conditioner

A 6,900 kcal (SAE) air conditioner is utilized. The bi-level control function keeps the operator's head and feet cool and warm respectively. This improved air flow function keeps the inside of the cab comfortable throughout the year.

Safety Features

Engine/pump room partition

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

Step light with timer

Step light with timer automatically provides light for two minutes to allow the operator to get off the machine safely..

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

Large handrails and wide walkways are provided around revolving frame for easier and safer access to engine and hydraulic components.

SPECIFICATIONS & EQUIPMENT

ENGINE

Model ..... Komatsu SAA6D170E-3
Type ..... 4-cycle, water-cooled, direct injection
Aspiration ..... Turbocharged and air-to-air aftercooled
Number of cylinders 6
Bore ..... 170 mm
Stroke ..... 170 mm
Piston displacement ..... 23.15 ltr
Flywheel horsepower ... 485 kW, 651 HP / 660 PS @ 1800 rpm (SAE J1349)
Governor ..... All-speed, electronic

ELECTRICAL SYSTEM

Alternator ..... 50 ampere
Batteries ..... 2 x 12 Volt - 220 Ah
Starter motors ..... 2 x 11 kW

HYDRAULIC SYSTEM

Type ..... Open-center load-sensing system
Number of selectable working modes 2
Main pump:
- Type ..... Variable-capacity piston pumps
- Pumps for ... Boom, arm, bucket, swing, and travel circuits

Maximum flow:
- Main ..... 2 x 494 ltr/min
- Swing ..... 1 x 629 ltr/min

Sub-pump for control circuit ..... Gear pump
Hydraulic motors:
- Travel ..... 2 x axial piston motor with parking brake
- Swing ..... 2 x axial piston motor with swing holding brake

Relief valve setting:
- Implement circuits ..... 31,4 MPa 320 kg/cm²
- Travel circuit ..... 34,3 MPa 350 kg/cm²
- Swing circuit ..... 27,0 MPa 275 kg/cm²

Pilot circuit ..... 2,9 MPa 30 kg/cm²
Hydraulic cylinders:
- Number of cylinders – bore x stroke
- Boom ..... 2 – 225 mm x 2390 mm
- Arm ..... 1 – 250 mm x 2435 mm
- Bucket
- Std ..... 2 – 160 mm x 1825 mm
- SP ..... 2 – 160 mm x 1950 mm

SWING SYSTEM

Driven by ..... Hydraulic motor
Swing reduction ..... Planetary gear
Swing circle lubrication ..... Grease-bathed
Swing lock ..... Oil disc brake
Swing speed ..... 5,5 rpm

DRIVES & BRAKES

Steering control ..... Two levers with pedals
Drive method ..... Fully hydrostatic
Travel motor ..... Axial piston motor, in-shoe design
Reduction system ..... Planetary double reduction
Maximum drawbar pull ..... 70000 kg
Gradability 70%
Maximum travel speed
- Low ..... 2,1 km/h
- High ..... 3,2 km/h

Service brake ..... Hydraulic lock
Parking brake ..... Oil disc brake

UNDERCARRIAGE

Center frame ..... H-leg frame
Track frame ..... Box-section
Track chain ..... Sealed
Track adjuster ..... Hydraulic
No. of shoes ..... 48 each side
No. of carrier rollers ..... 3 each side
No. of track rollers ..... 8 each side

COOLANT AND LUBRICANT CAPACITY (REFILLING)

Fuel tank ..... 1360 ltr
Radiator ..... 140 ltr
Engine ..... 56 ltr
Final drive, each side ..... 20 ltr
Swing drive ..... 24 ltr
Hydraulic tank ..... 670 ltr

OPERATION WEIGHT (APPROXIMATE)

PC1250-7: Operating weight, including 9.100 mm boom, 3.400 mm arm, SAE heaped 5,0 m³ backhoe bucket, operator, lubricant, coolant, full fuel tank, and the standard equipment.

PC1250SP-7: Operating weight, including 7.800 mm boom, 3.400 mm arm, SAE heaped 6,7 m³ backhoe bucket, full length roller guard, operator, lubricant, coolant, full fuel tank, and the standard equipment.

Double-Grouser Shoes	PC1250-7 Operating Weight	PC1250-7 Ground Pressure
PC1250-7 700 mm	106.700 kg	1,40 kg/cm²
PC1250-7 1000 mm	109.010 kg	0,99 kg/cm²
PC1250SP-7 700 mm	109.500 kg	1,43 kg/cm²

ENVIRONMENT

Engine emissions: Fully complies with European stage II exhaust emission regulations
Noise levels: Lwa 112 dB (A) external noise (2000/14/EC)
Lpa 75 dB (A) operator ear noise (2000/14/EC)

TRANSPORTATION GUIDE

Transportation volume (length x height x width)

Specs shown include the following equipment:
Backhoe: boom 9.100 mm, arm 3.400 mm, bucket 5,0 m³, shoes 700 mm double grouser
Loading Shovel: boom 5.300 mm, arm 3.800 mm, bucket 6,5 m³, shoes 700 mm double grouser

Work equipment assembly (Backhoe)

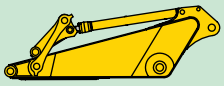
Weight: PC1250 : 25,1 t
PC1250SP : 27,0 t

Boom

PC1250 : 11,0 t : 9.475 x 2.894 x 1.474

PC1250SP : 10,9 t : 8.170 x 3.095 x 1.474

Arm

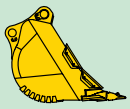


PC1250 : 5,9 t : 4.895 x 1.626 x 890

: 6,2 t : 4.895 x 1.626 x 890

PC1250SP : 6,3 t : 4.914 x 1.683 x 890

Bucket



PC1250 : 4,3 t : 2.700 x 2.100 x 2.050

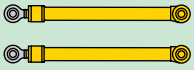
: 5,1 t : 2.580 x 2.276 x 2.250

PC1250SP : 5,9 t : 2.527 x 2.420 x 2.520

Arm cylinder

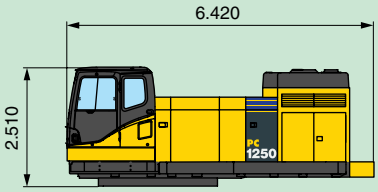
1,5 t

Boom cylinder



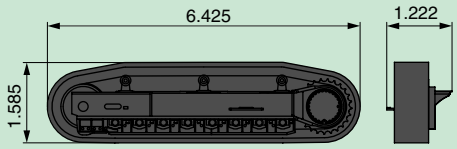
2,4 t [1,2 t x 2]

Upper structure



Width : 3.490
Weight : 23,9 t

Undercarriage

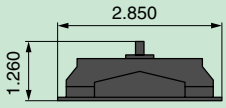


Weight : 30 t [15 t x 2]

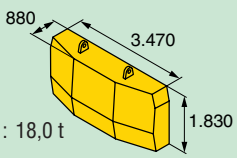
Weight : 30,9 t [15,45 t x 2] (with full length roller guard)

Others

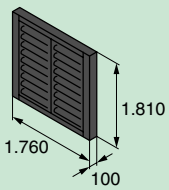
Weight : 27,7 t

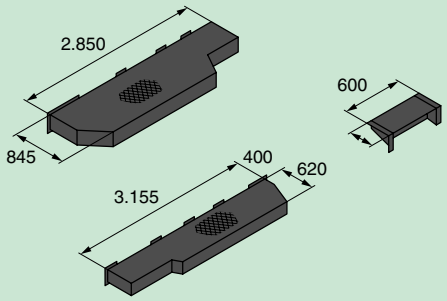


Width : 3.540



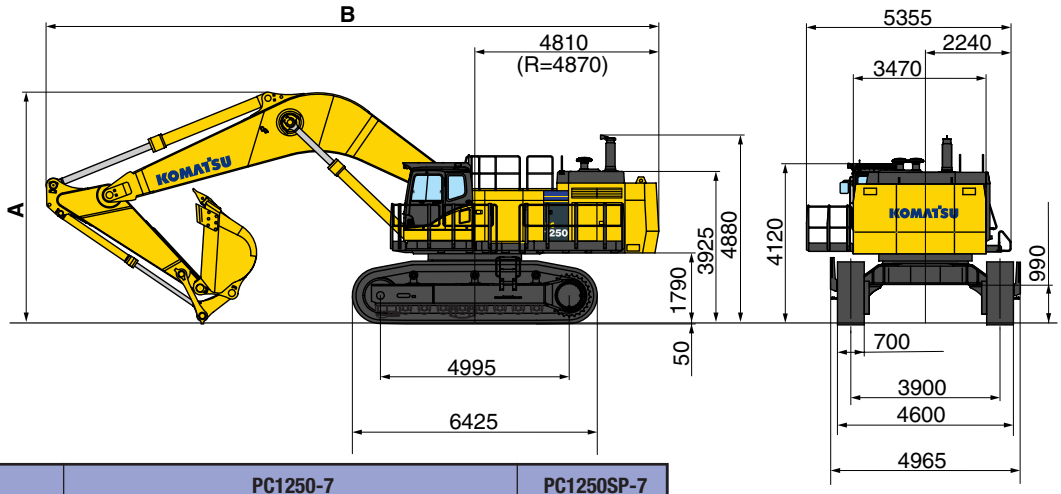
Weight : 18,0 t





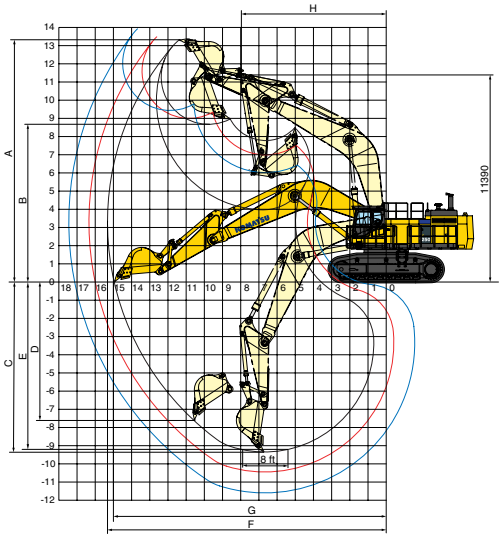
SPECIFICATIONS & EQUIPMENT

BACKHOE DIMENSIONS



	PC1250-7			PC1250SP-7
	3,4 m arm	4,5 m arm	5,7 m arm	3,4 m arm
A Overall Height	6.040 mm	6.460 mm	6.990 mm	6.265 mm
B Overall Length	16.020 mm	16.050 mm	15.840 mm	14.790 mm

WORKING RANGE



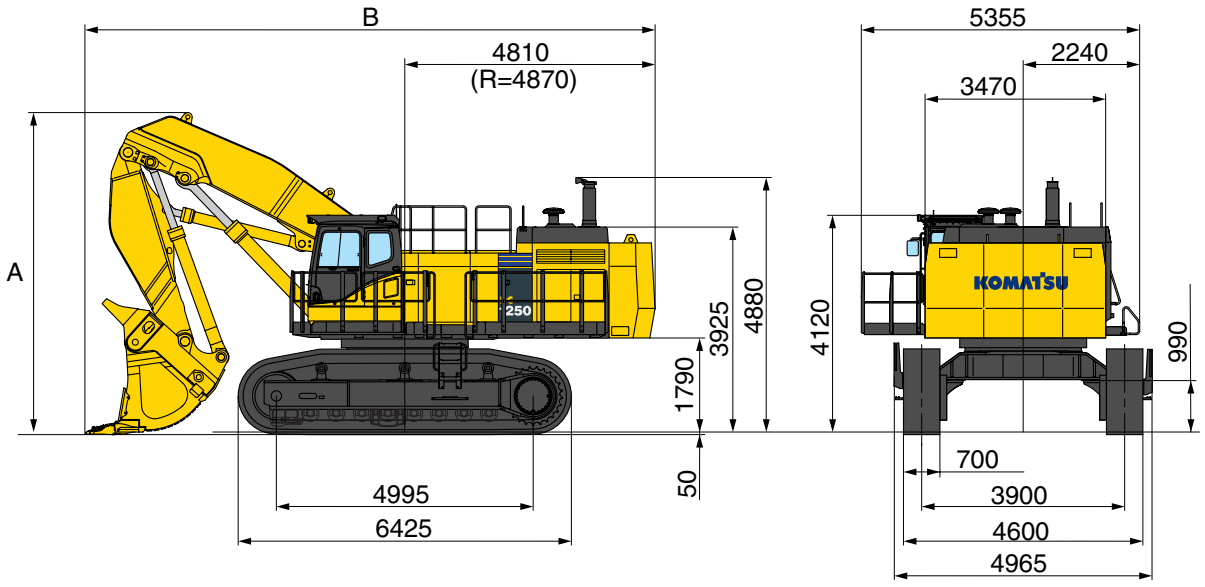
	PC1250-7			PC1250SP-7
	3,4 m arm	4,5 m arm	5,7 m arm	3,4 m arm
A Max. digging height	13.400 mm	13.490 mm	13.910 mm	13.000 mm
B Max. dumping height	8.680 mm	9.000 mm	9.440 mm	8.450 mm
C Max. digging depth	9.350 mm	10.440 mm	11.590 mm	7.900 mm
D Max. vertical wall digging depth	7.610 mm	8.490 mm	9.480 mm	5.025 mm
E Max. digging depth of cut for 8' level	9.220 mm	10.340 mm	11.500 mm	7.745 mm
F Max. digging reach	15.350 mm	16.340 mm	17.450 mm	14.070 mm
G Max. digging reach at ground level	15.000 mm	16.000 mm	17.130 mm	13.670 mm
H Min. swing radius	7.965 mm	7.990 mm	8.150 mm	6.415 mm
Bucket digging force (SAE)	43.000 kg	43.000 kg	35.000 kg	51.200 kg
Arm crowd force (SAE)	40.000 kg	33.300 kg	28.700 kg	40.300 kg
Bucket digging force (ISO)	48.800 kg	48.800 kg	39.700 kg	58.100 kg
Arm crowd force (ISO)	41.700 kg	34.400 kg	29.200 kg	42.000 kg

BACKHOE BUCKET, ARM, AND BOOM COMBINATION

BUCKET CAPACITY (HEAPED) SAE, PCSA	WIDTH		WEIGHT (with side cutters)	ARM LENGTH		
	Without Side cutters or shrouds	With Side cutters or shrouds				
PC1250-7 (use with 9.1 m boom)				3,4 m	4,5 m	5,7 m
3,4 m³	1.500 mm	1.670 mm	3.600 kg	–	○	□
4,0 m³	1.710 mm	1.880 mm	3.800 kg	○	□	▲
5,0 m³	2.050 mm	2.220 mm	4.400 kg	□	▲	–
5,2 m³	2.050 mm	2.110 mm	5.100 kg	□	▲	–
PC1250SP-7 (use with 7.8 m boom)				3,4 m	–	–
6,7 m³	2.280 mm	2.340 mm	6.000 kg	□	–	–

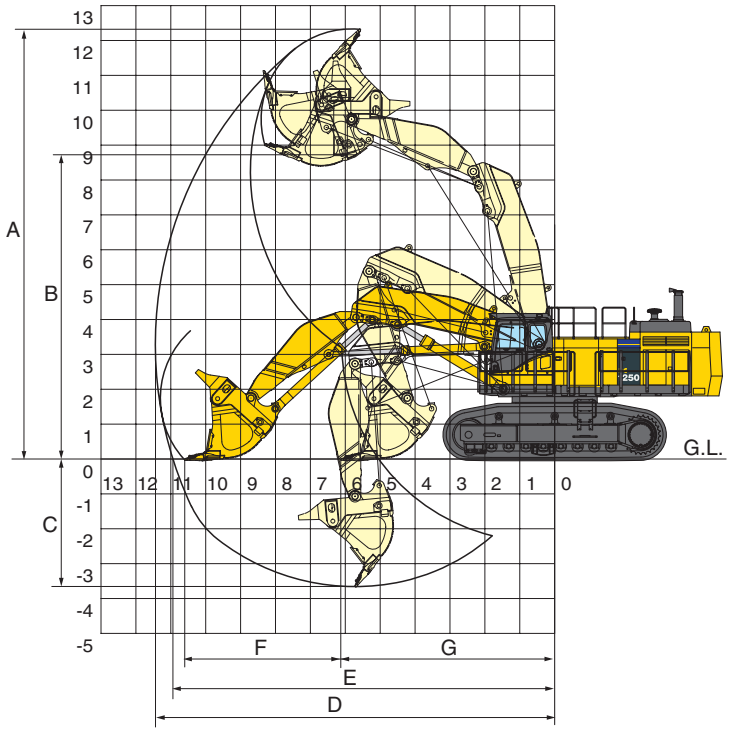
These charts are based on over-side stability with fully loaded bucket at maximum reach.
○ : General purpose use, density up to 2.1 t/m3 3,500 lb/yd3 □ : General purpose use, density up to 1.8 t/m3 3,000 lb/yd3
▲ : General purpose use, density up to 1.5 t/m3 2,500 lb/yd3 – : Not useable

LOADING SHOVEL DIMENSIONS



	Type of bucket Capacity–heaped	Bottom dump 6,5 m³
A	Overall Height	6200 mm
B	Overall Length	10940 mm

WORKING RANGE AND BUCKET SELECTION



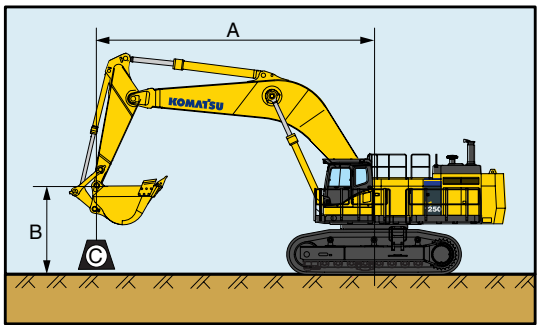
Working Range

	Type of bucket Capacity–heaped	Bottom dump 6,5 m³
A	Max. cutting height	12.330 mm
B	Max. dumping height	8.700 mm
C	Max. digging depth	3.650 mm
D	Max. digging reach	11.400 mm
E	Max. digging reach at ground level	10.900 mm
F	Level crowding distance	4.480 mm
G	Min. crowd distance	6.130 mm
	Bucket digging force	59.000 kg
	Arm crowd force	62.000 kg

Bucket Selection

Type of bucket Capacity–heaped	Bottom dump 6,5 m³
Width	2.680 mm
Weight	9.700 kg
No. of bucket teeth	6
Recommended uses	General-purpose digging and loading

LIFTING CAPACITY



PC1250-7

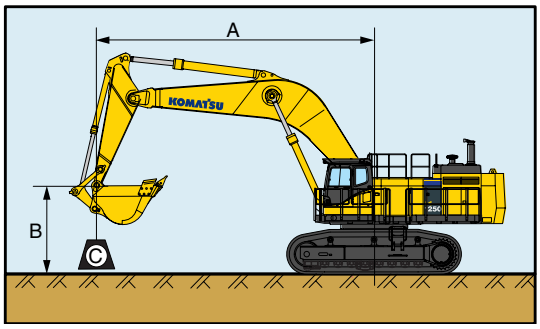
Equipment:
- Boom: 9,1 m
- **Arm: 3,4 m**
- **Bucket: 5,0 m³**

A – Reach from swing center
B – Bucket hook height
C – Lifting capacity
– Rating over front
– Rating over side
– Rating at maximum reach

Arm length	A / B		12,2 m		10,7 m		9,1 m		7,6 m		6,1 m		4,6 m	
Heavy Lift On	9,1 m	kg	*15.200	*15.200			*18.000	17.900						
3,4 m	6,1 m	kg	*15.950	12.900			*20.000	17.100	*22.950	22.750	*27.900	*27.900		
5,0 m³	3,0 m	kg	15.350	11.600	16.050	12.200	20.500	15.750	26.550	20.500	*34.950	27.150		
	0,0 m	kg	15.950	12.050			19.600	14.900	23.750	17.850	33.800	25.600		
	-3,0 m	kg	19.600	14.900			19.650	14.950	25.150	19.150	34.050	25.800	*43.850	37.750	*39.250	*39.250
	-6,1 m	kg	*23.500	*23.500							*25.400	*25.400	*32.550	*32.550		

Arm length	A / B		12,2 m		10,7 m		9,1 m		7,6 m		6,1 m		4,6 m	
Heavy Lift Off	9,1 m	kg	*15.200	*15.200			*15.500	*15.500						
3,4 m	6,1 m	kg	*15.850	12.900			*17.300	17.100	*19.950	*19.950	*24.400	*24.400		
5,0 m³	3,0 m	kg	15.350	11.600	16.050	12.200	*19.800	15.750	*23.900	20.500	*30.550	27.150		
	0,0 m	kg	15.950	12.050			19.600	14.900	*23.750	17.850	*32.650	25.600		
	-3,0 m	kg	*19.600	14.900			*19.650	14.950	*24.750	19.150	*30.750	25.800	*38.350	37.750	*39.250	*39.250
	-6,1 m	kg	*20.150	*20.150							*21.900	*21.900	*28.150	*28.150		

* Load is limited by hydraulic capacity rather than tipping. Ratings are based on Standard No. J1097. Rated loads do not exceed 87% of hydraulic capacity or 75% of tipping load.



PC1250-7

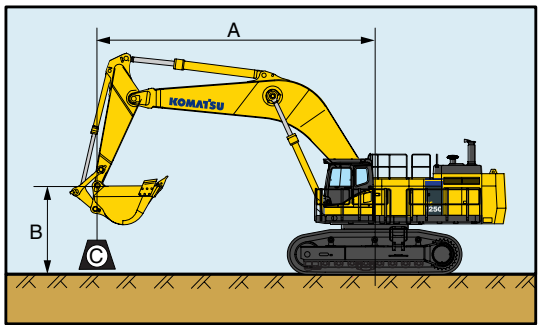
Equipment:
- Boom: 9,1 m
- **Arm: 4,5 m**
- **Bucket: 4,0 m³**

A – Reach from swing center
B – Bucket hook height
C – Lifting capacity
– Rating over front
– Rating over side
– Rating at maximum reach

Arm length	A / B		12,2 m		10,7 m		9,1 m		7,6 m		6,1 m		4,6 m	
Heavy Lift On	9,1 m	kg	*9.300	*9.300										
4,5 m	6,1 m	kg	*9.650	*9.650	*16.650	13.400	*18.150	17.700	*20.550	*20.550				
4,0 m³	3,0 m	kg	*10.950	9.950	16.350	12.450	20.800	16.050	*25.600	20.950	*32.350	28.000		
	0,0 m	kg	13.650	10.150	15.550	11.700	19.550	14.850	24.100	18.150	33.850	25.600	*29.300	*29.300		
	-3,0 m	kg	16.100	12.100			19.200	14.500	24.650	18.700	33.400	25.200	*46.300	36.800	*31.900	*31.900
	-6,1 m	kg	*21.750	18.350					*23.650	19.600	*28.850	24.700	*38.200	*38.200	*48.900	*48.900

Arm length	A / B		12,2 m		10,7 m		9,1 m		7,6 m		6,1 m		4,6 m	
Heavy Lift Off	9,1 m	kg	*9.300	*9.300										
4,5 m	6,1 m	kg	*9.650	*9.650	*14.250	13.400	*15.600	*15.600	*17.850	*17.850				
4,0 m³	3,0 m	kg	*10.950	9.950	*16.050	12.450	*18.500	16.050	*22.250	20.950	*28.250	28.000		
	0,0 m	kg	13.650	10.150	15.550	11.700	19.550	14.850	24.100	18.150	*31.950	25.600	*29.300	*29.300		
	-3,0 m	kg	16.100	12.100			19.200	14.500	24.650	18.700	*31.650	25.200	*40.550	36.800	*31.900	*31.900
	-6,1 m	kg	*18.650	18.350					*20.300	19.600	*24.800	24.700	*33.200	*33.200	*42.600	*42.600

* Load is limited by hydraulic capacity rather than tipping. Ratings are based on Standard No. J1097. Rated loads do not exceed 87% of hydraulic capacity or 75% of tipping load.



PC1250-7

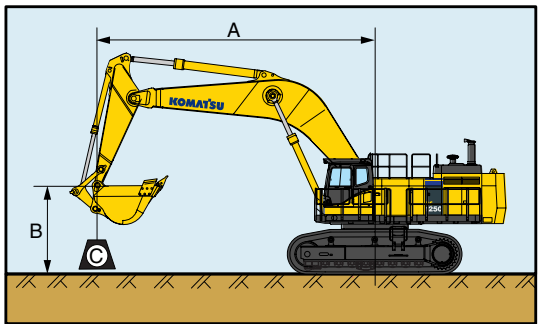
Equipment:
- Boom: 9,1 m
- **Arm: 5,7 m**
- **Bucket: 3,4 m³**

A – Reach from swing center
B – Bucket hook height
C – Lifting capacity
– Rating over front
– Rating over side
– Rating at maximum reach

Arm length	A / B		13,7 m		12,2 m		10,7 m		9,1 m		7,6 m		6,1 m	
Heavy Lift On 5,7 m 3,4 m³	9,1 m	kg	*5.900	*5.900										
	6,1 m	kg	*6.050	*6.050	*11.050	10.700	*14.950	14.050						
	3,0 m	kg	*6.800	*6.800	13.300	10.000	16.750	12.850	*19.800	16.550	*23.450	21.650	*29.300	29.200	*39.750	*39.750
	0,0 m	kg	*8.400	*8.400	12.600	9.350	15.650	11.800	19.700	15.000	25.450	19.400	34.250	25.950	*31.200	*31.200
	-3,0 m	kg	*11.500	9.900			15.150	11.350	18.950	14.250	24.400	18.450	33.050	24.850	*43.900	36.100
	-6,1 m	kg	18.250	13.800					19.350	14.650	24.750	18.750	*33.250	25.350	*42.300	37.150

Heavy Lift Off 5,7 m 3,4 m³	9,1 m	kg	*5.900	*5.900												
	6,1 m	kg	*6.050	*6.050	*11.050	10.700	*12.700	*12.700								
	3,0 m	kg	*6.800	*6.800	13.300	10.000	*14.850	12.850	*17.050	16.550	*20.300	*20.300	*25.550	*25.550	*34.850	*34.850
	0,0 m	kg	*8.400	*8.400	12.600	9.350	15.650	11.800	*19.700	15.000	*24.000	19.400	*30.600	25.950	*31.200	*31.200
	-3,0 m	kg	*11.500	9.900			15.150	11.350	18.950	14.250	24.400	18.450	*31.900	24.850	*41.650	36.100
	-6,1 m	kg	*16.550	13.800					*18.050	14.650	*22.950	18.750	*28.850	25.350	*36.900	*36.900

* Load is limited by hydraulic capacity rather than tipping. Ratings are based on Standard No. J1097. Rated loads do not exceed 87% of hydraulic capacity or 75% of tipping load.



PC1250SP-7

Equipment:
- Boom: 7,8 m
- **Arm: 3,4 m**
- **Bucket: 6,7 m³**

A – Reach from swing center
B – Bucket hook height
C – Lifting capacity
– Rating over front
– Rating over side
– Rating at maximum reach

Arm length	A / B		12,2 m		10,7 m		9,1 m		7,6 m		6,1 m		4,6 m	
Heavy Lift On 3,4 m 6,7 m³	9,1 m	kg	*11.980	*11.980			*17.295	*17.295						
	6,1 m	kg	*12.480	*12.480	*16.505	16.035	*24.585	22.415	*28.980	*28.980	*36.565	*36.565		
	3,0 m	kg	*14.805	13.615	19.995	15.210	26.730	20.565	*35.485	28.275	*47.680	40.670		
	0,0 m	kg	19.160	14.430	19.270	14.520	25.360	19.265	31.535	23.345	*48.975	38.180		
	-3,0 m	kg	*24.150	19.355			*24.215	19.390	*31.080	24.655	*41.660	38.740	*52.705	*52.705
	-6,1 m	kg												

Heavy Lift Off 3,4 m 6,7 m³	9,1 m	kg	*11.980	*11.980			*17.295	*17.295								
	6,1 m	kg	*12.480	*12.480	*16.505	16.035	*21.380	*21.380	*25.410	*25.410	*32.315	*32.315		
	3,0 m	kg	*14.805	13.615	19.995	15.210	*24.715	20.565	*31.095	28.275	*41.990	40.670		
	0,0 m	kg	19.160	14.430	19.270	14.520	25.360	19.265	*30.260	23.345	*43.000	38.180		
	-3,0 m	kg	*20.745	19.355			*20.800	19.390	*26.790	24.655	*36.355	*36.355	*46.065	*46.065
	-6,1 m	kg												

* Load is limited by hydraulic capacity rather than tipping. Ratings are based on Standard No. J1097. Rated loads do not exceed 87% of hydraulic capacity or 75% of tipping load.

PC1250-7

CRAWLER EXCAVATOR

STANDARD EQUIPMENT

Standard and optional equipment may vary. Consult your Komatsu dealer for more information.

ENGINE AND ITS RELATED ITEMS:
- Komatsu SAA6D170E3 485 kW 660PS/1800 rpm aftercooled turbocharged direct injection diesel, complies with European stage II emissions.

ELECTRICAL SYSTEM:
- Alternator, 50 A
- Batteries, 2 x 12 V, 220 Ah
- Starting motors, 2 x 11 kW
- Auto-decelerator system

HYDRAULICS AND CONTROLS:
- Full hydraulic with electronic open-center load sensing system (EOLSS), (3-modes), high pressure in-line filter.

OPERATOR ENVIRONMENT:
- Standard height cab mount. Sound suppressed pressurized and tightly sealed viscous mounted cab with FOPS, with fixed front window with sunshade. Suspension type seat (reclining) with tilt control and retractable seat belt. 12 V power supply, floormat, climate control system (airco), rearview mirror (rh & lh).

GUARDS AND COVERS:
- Rock protector for crawler frame, track frame undercover, revolving frame heavy duty under cover.

OTHER STANDARD EQUIPMENT:
- Cap en overall, catwalk, filler cap lock and cover lock, general toolkit, marks and plates. Painting, Komatsu standard colour scheme. Parts book and operation manual, PM service connectors, spare parts for first service, std working lights (2 on boom, 1 on rev. Frame), radio preparation, travel alarm.

UNDERCARRIAGE:
- Double grouser 700 mm track shoe assy, holed with sealed, dry link assy. Track roller guards and additional guiding guards (each side).

REGULATION:
- Complies with EC requirements.

MARKS, NAME PLATES AND OPERATOR MANUAL:
- All decals and operator manuals.

OPTIONAL EQUIPMENT

- VHMS system.
- Alternator, 90 A, 24 V
- Cab mount, elevated. Recommended to use with loading shovel attachments.
- Track roller guards, full length; Recommended to use for rocky area operation.
- 1000 mm double grouser, holed. Not for use with loading shovel attachments.

ACCESSORIES:
- Fire extinguisher.
- First aid kit.

AUXILIARY EQUIPMENT:
- Automatic level digging system. For use with loading shovel.
- Bucket angle assist system. For use with loading shovel.

BACKHOE ARM:
- Includes bucket cylinder, piping for bucket cylinder and bucket linkage.
- 3400 mm arm assy.
- 3400 mm arm assy for SP.
- 4500 mm arm assy.
- 4500 mm arm assy strengthened.
- 5700 mm arm assy.

BACKHOE BOOM:
- Includes arm cylinder, boom cylinders, piping for arm, boom and bucket cylinders.
- One-piece boom, 7800 mm for SP.
- One-poece boom, 9100 mm.

BACKHOE BUCKET ATTACHMENT:
- Side cutters.

BUCKET:
- Bucket capacity SAE, heaped.
- Backhoe bucket for SP.
  - Bucket assy 6,7 m^3
  - Bucket assy 6,7 m^3, strengthened.
- Backhoe bucket.
  - Bucket assy 3,4 m^3
  - Bucket assy 4,0 m^3
  - Bucket assy 5,0 m^3
- Loading shovel bucket
  - Bucket assy 6,5 m^3
  - Bucket assy 7,0 m^3
  - Bucket assy 7,2 m^3

HYDRAULICS
- Hydraulic control unit for bottom Dump loading shovel.
- Loading shovel arrangement for factory installation only.
- Cab front full guard.
- Grease gun, air pump type.
- Auto greasing system.
- Coolant heater. For use with cold area arrangement.
- Engine oil pan heater. For use with cold area arrangement.
- Cold area arrangement (-30° thru 40°).

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