

# KOMATSU®

FLYWHEEL HORSEPOWER  
485 kW 651 HP @ 1800 rpm

OPERATING WEIGHT  
106700-113200 kg  
235,270-249,560 lb

## PC1250-7 BACKHOE PC1250-7 LOADING SHOVEL



**PC**  
**1250**



## HYDRAULIC EXCAVATOR

# PC1250-7 Series Hydraulic Excavator

## WALK-AROUND

### *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.

### *Advanced monitor features*

- Machine condition can be checked with Equipment Management Monitoring System (EMMS) See page 5.
- Two working modes combine with heavy lift mode for maximum productivity See page 5.



### *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. See page 4.

### *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. See page 5.
- **Boom foot hoses** are arranged on the inside, improving hose life and safety. See page 6.

## 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 EPA, EU, Tier II emissions regulations without sacrificing power or machine productivity.

See page 4.

## 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

See page 8.

## Easy maintenance

- Replacement intervals are extended for engine oil, engine oil filter, and hydraulic filter

**FLYWHEEL HORSEPOWER**  
485 kW **651 HP** @ 1800 rpm

**OPERATING WEIGHT**  
106700–113200 kg  
**235,270–249,560 lb**

**BACKHOE**  
3.4–6.7 m<sup>3</sup> **4.4–8.8 yd<sup>3</sup>**

**LOADING SHOVEL**  
6.5 m<sup>3</sup> **8.5 yd<sup>3</sup>**



**Sturdy guards** shield the travel motors against damage from rocks.

**Large platform and catwalk** provide easy access to the engine and hydraulic equipment

# GALEO

**Komatsu's highly productive, innovative technology, environmentally friendly machines built for the 21st century.**

- **Highly Reliable Electronic Devices**

Exclusively designed electronic devices have passed severe testing.

- Controller    - Sensors    - Connectors    - Heat resistant wiring

See page 7.



# 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** providing more hydraulic power.

In addition, the fuel consumption is reduced by 13% when using Economy Mode.

The engine meets EPA and EU Tier 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 moves to the rear and a **18.0 tonne 19.8 U.S. ton** counterweight provides the stability and lifting capacity needed for maximum productivity.

### Additional Features

- Large digging force
- Large drawbar pull
- Fast hydraulics



# 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	<ul style="list-style-type: none"> <li>• Maximum production/power</li> <li>• Fast cycle times</li> </ul>
E	Economy Mode	<ul style="list-style-type: none"> <li>• Good cycle times</li> <li>• Good fuel economy</li> </ul>

## 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

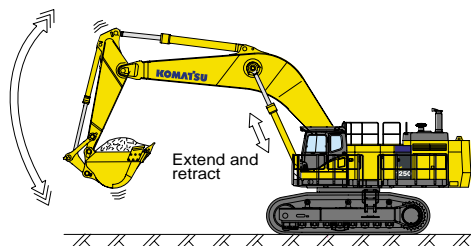
**Smooth mode** provides easy operation for gathering blasted rock and scraping operations. When maximum digging force is needed, switch to **power mode** for more effective excavating.

## Swing priority setting

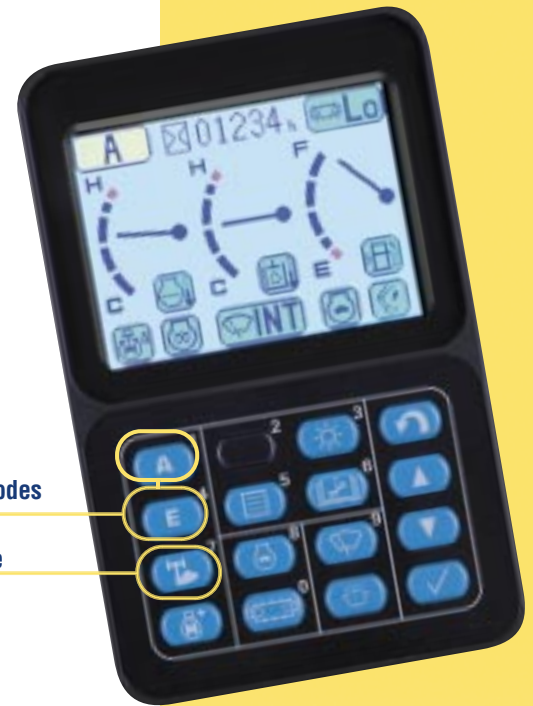
The swing priority setting allows the operator to use the same easy motion for 180° loading as 90° loading operations. By altering the oil flow this setting allows you to select either boom or swing as the priority for increased production.

## 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.



# Self-Diagnostic Monitor



Two Working Modes

Heavy Lift Mode

## 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

## Easy Maintenance

*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 door open to front of engine).



### 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.

**Quick couplers** for hydraulic pressure inspection provides easy troubleshooting of the hydraulic system.

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



### 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.

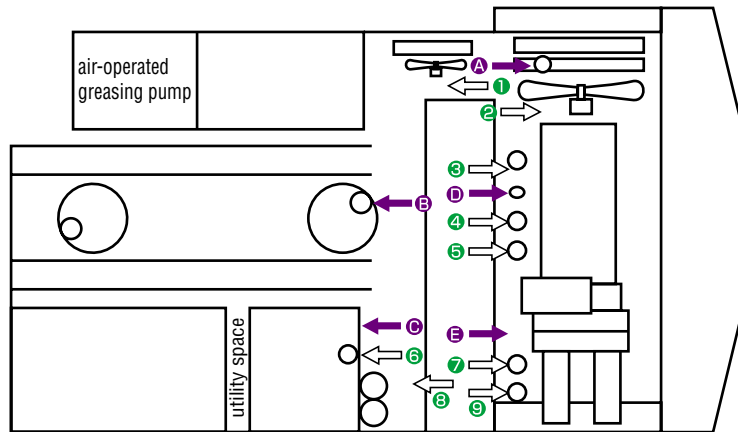
Moreover, combined with EMMS function which displays error code, machine and maintenance information on color graphics screen (patent pending), VHMS reduces maintenance time and increases machine availability.

Orbit communication function (Orbcomm) available as an upgraded feature of VHMS enables remote monitoring of the machine condition.





# Centralized Easy Access Service Points



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



**Sturdy guards** shield the piping against damage from rocks.



**Sturdy guards** shield the travel motors against damage from rocks.

## 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 stiffer 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.

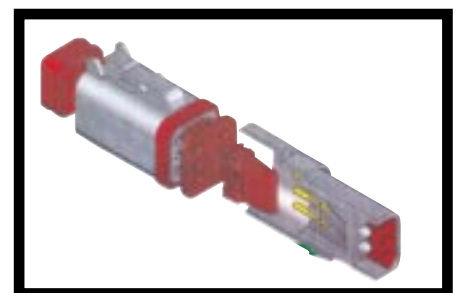
**Metal guard rings** protect all the hydraulic cylinders and improve reliability.

**Heat-resistant wiring** is employed around engine for improved reliability.

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



**Track roller guard** (full length) (optional)



New **DT-type connectors** seal tight and have higher reliability.

# WORKING ENVIRONMENT



*The cab interior is spacious and provides a comfortable working environment...*

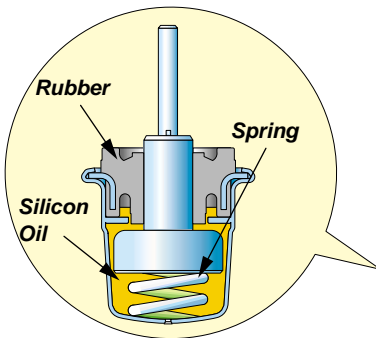
## Operator's Cab

### 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.



### Pull up front window with assist



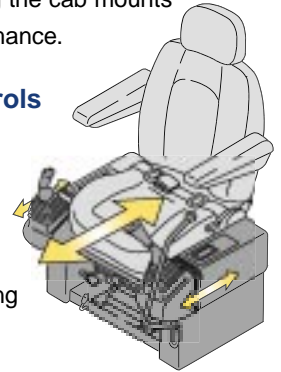
Photo shown includes Falling Object Guard (FOG).

### 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.

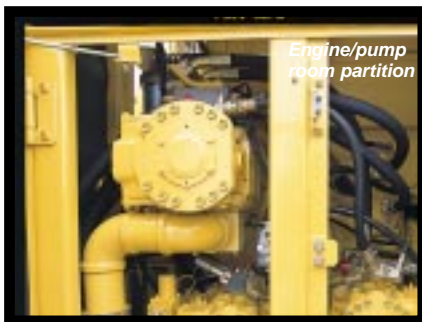
### Automatic Air Conditioner

A 6,900 kcal **27,400 BTu** (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



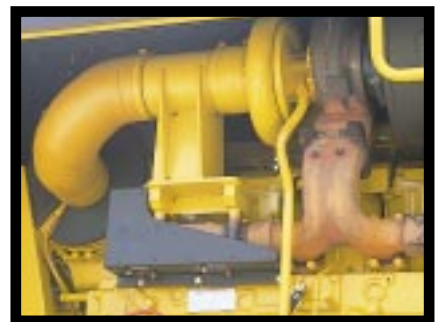
*Engine/pump room partition*

**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.

**Horn interconnected with flashing light** allow the operator to signal dump truck drivers and ground workers both audibly and visibly.

# SPECIFICATIONS



## 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 **6.69"**  
 Stroke . . . . . 170 mm **6.69"**  
 Piston displacement . . . . . 23.15 ltr 1,413 in<sup>3</sup>  
 Flywheel horsepower . . . . . 485 kW **651 HP** @ 1800 rpm  
 (SAE J1349)  
 Governor . . . . . All-speed, electronic  
 Meets 2001 EPA emission regulations, EPA Tier 2 emission ready.



## 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 **2 x 130.5 U.S. gpm**  
 Swing . . . . . 1 x 629 ltr/min **1 x 166.2 U.S. gpm**  
 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/cm<sup>2</sup> **4,550 psi**  
 Travel circuit . . . . . 34.3 MPa 350 kg/cm<sup>2</sup> **4,980 psi**  
 Swing circuit . . . . . 27.0 MPa 275 kg/cm<sup>2</sup> **3,910 psi**  
 Pilot circuit . . . . . 2.9 MPa 30 kg/cm<sup>2</sup> **430 psi**  
 Hydraulic cylinders:  
 Number of cylinders—bore x stroke  
 Boom . . . . . 2 – 225 mm x 2390 mm **8.9" x 94.1"**  
 Arm . . . . . 1 – 250 mm x 2435 mm **9.8" x 95.9"**  
 Bucket  
 Std . . . . . 2 – 160 mm x 1825 mm **6.3" x 71.8"**  
 SP . . . . . 2 – 160 mm x 1950 mm **6.3" x 76.8"**



## 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  
 Swing torque . . . . . 42352 kg•m **306,234 ft lbs**



## 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 . . . . . 70000 kg **154,320 lb**  
 Gradability . . . . . 70%  
 Maximum travel speed  
 Low . . . . . 2.1 km/h **1.3 mph**  
 High . . . . . 3.2 km/h **2.0 mph**  
 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:  
 Standard and SP . . . . . 48 each side  
 LC . . . . . 55 each side  
 No. of carrier rollers . . . . . 3 each side  
 No. of track rollers:  
 Standard and SP . . . . . 8 each side  
 LC . . . . . 10 each side



## COOLANT AND LUBRICANT CAPACITY (REFILLING)

Fuel tank . . . . . 1360 ltr **359.3 U.S. gal**  
 Radiator . . . . . 140 ltr **37.3 U.S. gal**  
 Engine . . . . . 56 ltr **14.8 U.S. gal**  
 Final drive, each side . . . . . 20 ltr **5.3 U.S. gal**  
 Swing drive . . . . . 24 ltr **6.3 U.S. gal**  
 Hydraulic tank . . . . . 670 ltr **177.0 U.S. gal**



## OPERATING WEIGHT (APPROXIMATE)

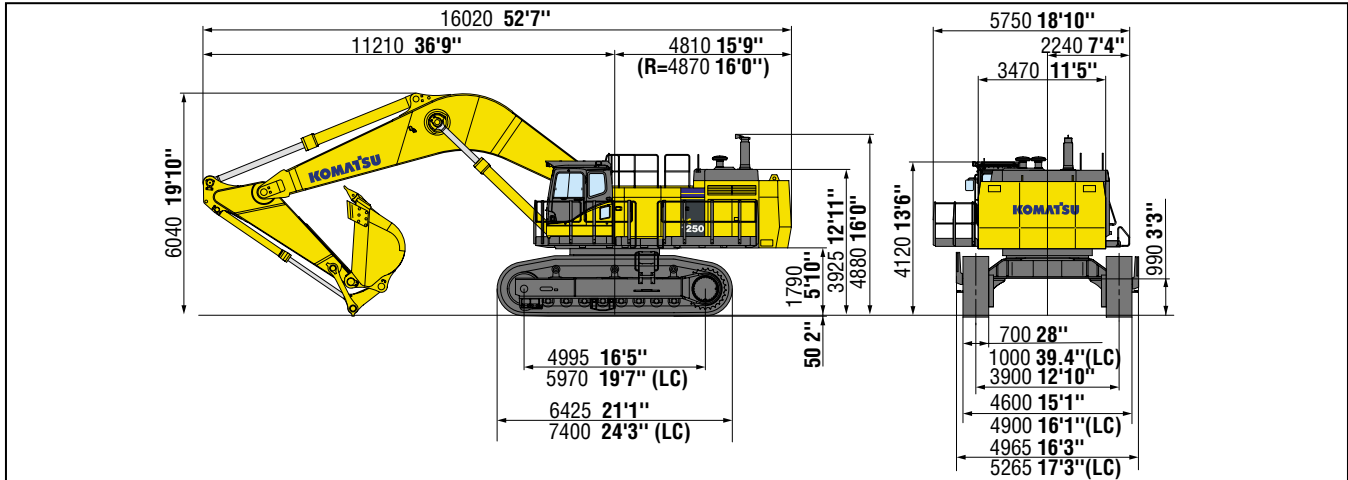
PC1250-7/PC1250LC-7: Operating weight, including 9100 mm **29'10"** boom, 3400 mm **11'2"** arm, SAE heaped 5.0 m<sup>3</sup> **6.5 yd<sup>3</sup>** backhoe bucket, operator, lubricant, coolant, full fuel tank, and the standard equipment.

PC1250SP-7: Operating weight, including 7800 mm **25'7"** boom, 3400 mm **11'2"** arm, SAE heaped 6.7 m<sup>3</sup> **8.8 yd<sup>3</sup>** backhoe bucket, full length roller guard, operator, lubricant, coolant, full fuel tank, and the standard equipment.

Double-Grouser Shoes	PC1250-7	
	Operating Weight	Ground Pressure
PC1250-7 700 mm <b>28"</b>	106700 kg <b>235,270 lb</b>	1.40 kg/cm <sup>2</sup> <b>19.9 psi</b>
PC1250-7 1000 mm <b>39.4"</b>	109010 kg <b>240,330 lb</b>	0.99 kg/cm <sup>2</sup> <b>14.1 psi</b>
PC1250SP-7 700 mm <b>28"</b>	109500 kg <b>241,410 lb</b>	1.43 kg/cm <sup>2</sup> <b>20.3 psi</b>
PC1250LC-7 1000 mm <b>39.4"</b>	113200 kg <b>249,560 lb</b>	.88 kg/cm <sup>2</sup> <b>12.5 psi</b>
PC1250LC-7 1200 mm <b>47.25"</b>	114700 kg <b>252,870 lb</b>	.75 kg/cm <sup>2</sup> <b>10.4 psi</b>



### BACKHOE DIMENSIONS

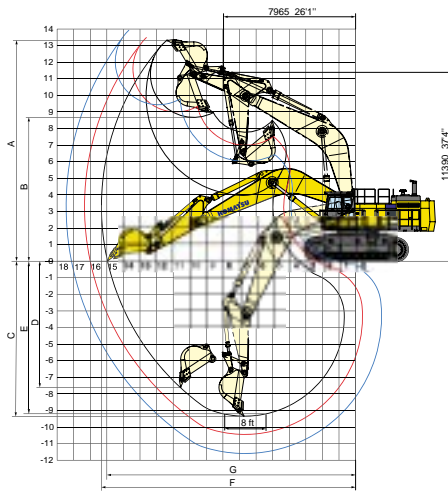


	PC1250-7/PC1250LC-7			PC1250SP-7
	3.4 m 11'2" arm	4.5 m 14'9" arm	5.7 m 18'8" arm	3.4 m 11'2" arm
A Overall Height	6040 mm 19'10"	6460 mm 21'2"	6990 mm 22'11"	6265 mm 20'7"
B Overall Length	16020 mm 52'7"	16050 mm 52'8"	15840 mm 52'0"	14790 mm 48'6"



### WORKING RANGE

Unit: mm ft in



	PC1250-7, PC1250LC-7			PC1250SP-7
	3.4 m 11'2" arm	4.5 m 14'9" arm	5.7 m 18'8" arm	3.4 m 11'2" arm
A Max. digging height	13400 mm 44'0"	13490 mm 44'3"	13910 mm 45'8"	13000 mm 42'8"
B Max. dumping height	8680 mm 28'6"	9000 mm 29'6"	9440 mm 31'0"	8450 mm 27'9"
C Max. digging depth	9350 mm 30'8"	10440 mm 34'3"	11590 mm 38'0"	7900 mm 25'11"
D Max. vertical wall digging depth	7610 mm 25'0"	8490 mm 27'10"	9480 mm 31'1"	5025 mm 16'6"
E Max. digging depth of cut for 8' level	9220 mm 30'3"	10340 mm 33'11"	11500 mm 37'9"	7745 mm 25'5"
F Max. digging reach	15350 mm 50'4"	16340 mm 53'7"	17450 mm 57'3"	14070 mm 46'2"
G Max. digging reach at ground level	15000 mm 49'3"	16000 mm 52'6"	17130 mm 56'2"	13670 mm 44'10"
H Min. swing radius	7965 mm 26'2"	7990 mm 26'3"	8150 mm 26'9"	6415 mm 21'11"
Bucket digging force (SAE)	43000 kg 94,800 lb	43000 kg 94,800 lb	35000 kg 77,160 lb	51200 kg 112,900 lb
Arm crowd force (SAE)	40000 kg 88,180 lb	33300 kg 73,410 lb	28700 kg 63,270 lb	40300 kg 88,860 lb
Bucket digging force (ISO)	48800 kg 107,590 lb	48800 kg 107,590 lb	39700 kg 87,520 lb	58100 kg 128,110 lb
Arm crowd force (ISO)	41700 kg 91,930 lb	34400 kg 75,840 lb	29200 kg 64,375 lb	42000 kg 91,950 lb



### BACKHOE BUCKET, ARM, AND BOOM COMBINATION

BUCKET CAPACITY (HEAPED)				WIDTH				WEIGHT (with side cutters)		ARM LENGTH					
SAE, PCSA		CECE		Without Side cutters or shrouds		With Side cutters or shrouds							kg	lb	m
m <sup>3</sup>	yd <sup>3</sup>	m <sup>3</sup>	yd <sup>3</sup>	mm	in	mm	in								
<b>PC1250-7 (use with 9.1 m 29'11" boom)</b>															
3.4	4.4	3.0	3.9	1500	59"	1670	65.7"	3600	7,940	3.4	11'2"	4.5	14'9"	5.7	18'8"
4.0	5.2	3.5	4.6	1710	67.3"	1880	74"	3800	8,380	○	○	▲	▲	□	▲
5.0	6.5	4.3	5.6	2050	80.7"	2220	87.4"	4400	9,700	▲	▲	□	□	—	—
5.2	6.8	4.5	5.9	2050	80.7"	2110	83.1"	5100	11,240	▲	▲	—	—	—	—
<b>PC1250SP-7 (use with 7.8 m 25'7" boom)</b>															
6.7	8.8	5.9	7.7	2280	89.8"	2340	92.1"	6000	13,230	3.4	11'2"	—	—	—	—
												○	○	—	—

These charts are based on over-side stability with fully loaded bucket at maximum reach.

○: General purpose use, density up to 2.1 t/m<sup>3</sup> 3,500 lb/yd<sup>3</sup>

▲: General purpose use, density up to 1.8 t/m<sup>3</sup> 3,000 lb/yd<sup>3</sup>

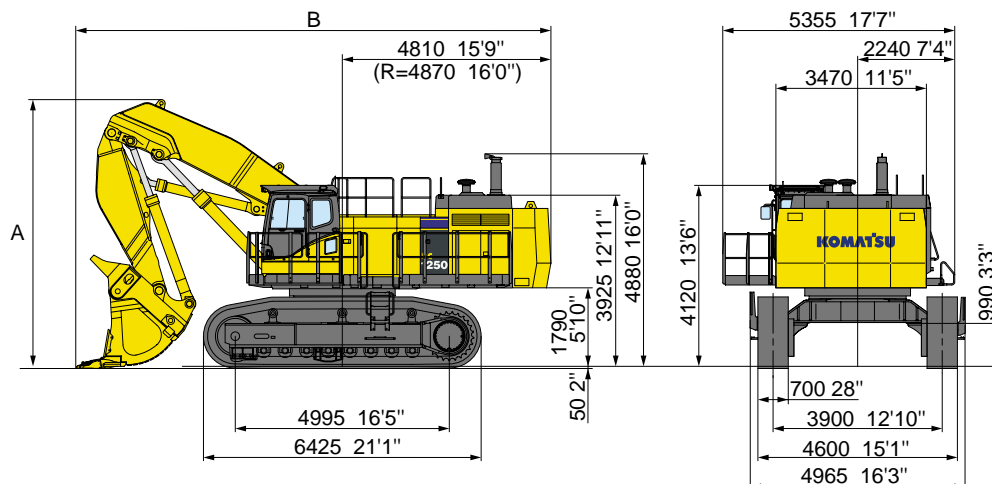
□: General purpose use, density up to 1.5 t/m<sup>3</sup> 2,500 lb/yd<sup>3</sup>

—: Not useable





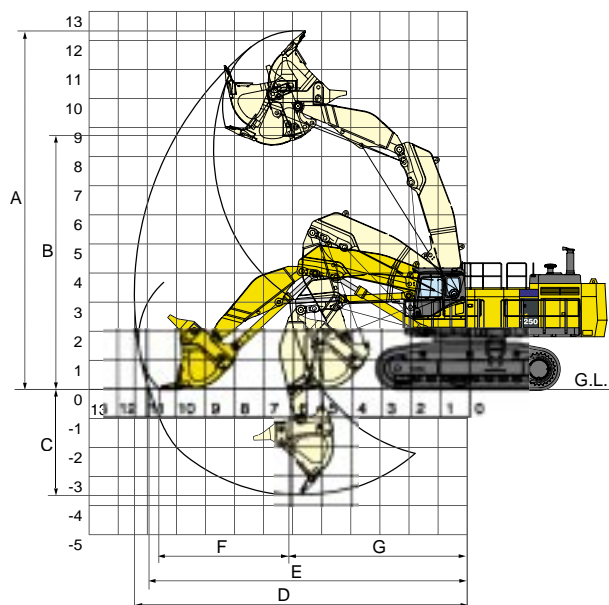
## LOADING SHOVEL DIMENSIONS



Type of bucket	Bottom dump	
Capacity-heaped	6.5 m <sup>3</sup>	8.5 yd <sup>3</sup>
A Overall Height	6200 mm	20'4"
B Overall Length	10940 mm	35'11"



## WORKING RANGE AND BUCKET SELECTION



### WORKING RANGE

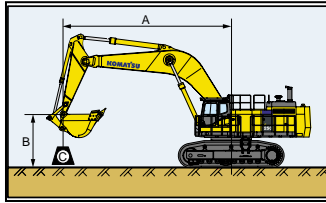
Type of bucket	Bottom dump	
Capacity-heaped	6.5 m <sup>3</sup>	8.5 yd <sup>3</sup>
A Max. cutting height	12330 mm	40'5"
B Max. dumping height	8700 mm	28'7"
C Max. digging depth	3650 mm	12'0"
D Max. digging reach	11400 mm	37'5"
E Max. digging reach at ground level	10900 mm	35'9"
F Level crowding distance	4480 mm	14'8"
G Min. crowd distance	6130 mm	20'1"
Bucket digging force	59000 kg	130,100 lb
Arm crowd force	62000 kg	136,710 lb

### BUCKET SELECTION

Type of bucket	Bottom dump	
Capacity-heaped	6.5 m <sup>3</sup>	8.5 yd <sup>3</sup>
Width	2680 mm	105.5"
Weight	9700 kg	21,390 lb
No. of bucket teeth	6	
Recommended uses	General-purpose digging and loading	



# PC1250-7 LIFTING CAPACITY



## PC1250-7

Equipment:

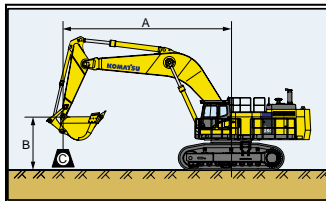
- Boom: 9.1 m 29'10"
- Arm: 3.4 m 11'2"
- Bucket: 5.0 m<sup>3</sup> 6.5 yd<sup>3</sup>

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

Unit: kg lb

B \ A	☉ Maximum		12.2 m 40'		10.7 m 35'		9.1 m 30'		7.6 m 25'		6.1 m 20'		4.6 m 15'		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
34.3MPa(Heavy Lift On)	9.1 m 30'	*15200 *33,500	*15200 *33,500			*18000 *39,700	17900 39,400								
	6.1 m 20'	*15950 *35,100	12900 28,500			*20000 *44,200	17100 37,700	*22950 *50,600	22750 50,200	*27900 *61,500	*27900 *61,500				
	3.0 m 10'	15350 33,800	11600 25,600	16050 35,400	12200 26,900	20500 45,200	15750 34,800	26550 58,600	20500 45,200	*34950 *77,000	27150 59,800				
	0.0 m 0'	15950 35,200	12050 26,500			19600 43,200	14900 32,800	23750 52,400	17850 39,300	33800 74,600	25600 56,400				
	-3.0 m -10'	19600 43,200	14900 32,900			19650 43,300	14950 33,000	25150 55,400	19150 42,200	34050 75,000	25800 56,800	*43850 *96,700	37750 83,200	*39250 *86,600	*39250 *86,600
	-6.1 m -20'	*23500 *51,800	*23500 *51,800							*25400 *56,000	*25400 *56,000	*32550 *71,700	*32550 *71,700		
31.4MPa(Heavy Lift Off)	9.1 m 30'	*15200 *33,500	*15200 *33,500			*15500 *34,200	*15500 *34,200								
	6.1 m 20'	*15850 *34,900	12900 28,500			*17300 *38,100	17100 37,700	*19950 *44,000	*19950 *44,000	*24400 *53,800	*24400 *53,800				
	3.0 m 10'	15350 33,800	11600 25,600	16050 35,400	12200 26,900	*19800 *43,700	15750 34,800	*23900 *52,700	20500 45,200	*30550 *67,400	27150 59,800				
	0.0 m 0'	15950 35,200	12050 26,500			19600 43,200	14900 32,800	*23750 *52,400	17850 39,300	*32650 *72,000	25600 56,400				
	-3.0 m -10'	*19600 *43,200	14900 32,900			*19650 *43,300	14950 33,000	*24750 *54,600	19150 42,200	*30750 *67,800	25800 56,800	*38350 *84,500	37750 83,200	*39250 *86,600	*39250 *86,600
	-6.1 m -20'	*20150 *44,500	*20150 *44,500							*21900 *48,200	*21900 *48,200	*28150 *62,100	*28150 *62,100		

\*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 29'10"
- Arm: 4.5 m 14'9"
- Bucket: 4.0 m<sup>3</sup> 5.2 yd<sup>3</sup>

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

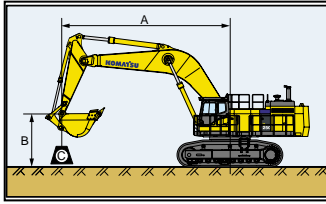
Unit: kg lb

B \ A	☉ Maximum		12.2 m 40'		10.7 m 35'		9.1 m 30'		7.6 m 25'		6.1 m 20'		4.6 m 15'		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
34.3MPa(Heavy Lift On)	9.1 m 30'	*9300 *20,500	*9300 *20,500												
	6.1 m 20'	*9650 *21,300	*9650 *21,300	*16650 *36,700	13400 29,600	*18150 *40,000	17700 39,000	*20550 *45,300	*20550 *45,300						
	3.0 m 10'	*10950 *24,200	9950 21,900	16350 36,000	12450 27,500	20800 45,900	16050 35,400	*25600 *56,500	20950 46,200	*32350 *71,300	28000 61,800				
	0.0 m 0'	13650 30,100	10150 22,400	15550 34,300	11700 25,800	19550 43,100	14850 32,700	24100 53,100	18150 40,000	33850 74,700	25600 56,500	*29300 *64,600	*29300 *64,600		
	-3.0 m -10'	16100 35,500	12100 26,700			19200 42,300	14500 31,900	24650 54,400	18700 41,200	33400 73,700	25200 55,500	*46300 *102,200	36800 81,100	*31900 *70,300	*31900 *70,300
	-6.1 m -20'	*21750 *48,000	18350 40,500					*23650 *52,100	19600 43,200	*28850 *63,600	24700 54,400	*38200 *84,200	*38200 *84,200	*48900 *107,800	*48900 *107,800
31.4MPa(Heavy Lift Off)	9.1 m 30'	*9300 *20,500	*9300 *20,500												
	6.1 m 20'	*9650 *21,300	*9650 *21,300	*14250 *31,400	13400 29,600	*15600 *34,400	*15600 *34,400	*17850 *39,300	*17850 *39,300						
	3.0 m 10'	*10950 *24,200	9950 21,900	*16050 *35,400	12450 27,500	*18500 *40,800	16050 35,400	*22250 *49,000	20950 46,200	*28250 *62,300	28000 61,800				
	0.0 m 0'	13650 30,100	10150 22,400	15550 34,300	11700 25,800	19550 43,100	14850 32,700	24100 53,100	18150 40,000	*31950 *70,400	25600 56,500	*29300 *64,600	*29300 *64,600		
	-3.0 m -10'	16100 35,500	12100 26,700			19200 42,300	14500 31,900	24650 54,400	18700 41,200	*31650 *69,800	25200 55,500	*40550 *89,400	36800 81,100	*31900 *70,300	*31900 *70,300
	-6.1 m -20'	*18650 *41,100	18350 40,500					*20300 *44,800	19600 43,200	*24800 *54,700	24700 54,400	*33200 *73,200	*33200 *73,200	*42600 *93,900	*42600 *93,900

\*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.



# PC1250-7 LIFTING CAPACITY



## PC1250-7

Equipment:

- Boom: 9.1 m 29'10"
- Arm: 5.7 m 18'8"
- Bucket: 3.4 m³ 4.4 yd³

A: Reach from swing center

B: Bucket hook height

C: Lifting capacity

Cf: Rating over front

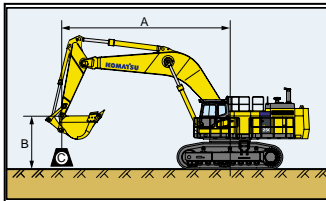
Cs: Rating over side

☉: Rating at maximum reach

Unit: kg lb

	A	☉ Maximum		13.7 m 45'		12.2 m 40'		10.7 m 35'		9.1 m 30'		7.6 m 25'		6.1 m 20'	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
34.3MPa(Heavy Lift On)	9.1 m 30'	*5900 *13,000	*5900 *13,000												
	6.1 m 20'	*6050 *13,400	*6050 *13,400	*11050 *24,300	10700 23,600	*14950 *32,900	14050 31,000								
	3.0 m 10'	*6800 *15,000	*6800 *15,000	13300 29,300	10000 22,000	16750 36,900	12850 28,300	*19800 *43,700	16550 36,500	*23450 *51,700	21650 47,800	*29300 *64,600	29200 64,400	*39750 *87,600	*39750 *87,600
	0.0 m 0'	*8400 *18,500	*8400 *18,500	12600 27,800	9350 20,600	15650 34,500	11800 26,000	19700 43,500	15000 33,100	25450 56,100	19400 42,800	34250 75,500	25950 57,200	*31200 *68,800	*31200 *68,800
	-3.0 m -10'	*11500 *25,400	9900 21,900			15150 33,500	11350 25,000	18950 41,800	14250 31,400	24400 53,800	18450 40,600	33050 72,800	24850 54,700	*43900 *96,800	36100 79,600
	-6.1 m -20'	18250 40,200	13800 30,400					19350 42,700	14650 32,300	24750 54,600	18750 41,400	*33250 *73,300	25350 55,900	*42300 *93,300	37150 81,900
	31.4MPa(Heavy Lift Off)	9.1 m 30'	*5900 *13000	*5900 *13000											
6.1 m 20'		*6050 *13,400	*6050 *13,400	*11050 *24,300	10700 23,600	*12700 *28,000	*12700 *28,000								
3.0 m 10'		*6800 *15,000	*6800 *15,000	13300 29,300	10000 22,000	*14850 *32,800	12850 28,300	*17050 *37,600	16550 36,500	*20300 *44,800	*20300 *44,800	*25550 *56,300	*25550 *56,300	*34850 *76,800	*34850 *76,800
0.0 m 0'		*8400 *18,500	*8400 *18,500	12600 27,800	9350 20,600	15650 34,500	11800 26,000	*19700 *43,400	15000 33,100	*24000 *53,000	19400 42,800	*30600 *67,500	25950 57,200	*31200 *68,800	*31200 *68,800
-3.0 m -10'		*11500 *25,400	9900 21,900			15150 33,500	11350 25,000	18950 41,800	14250 31,400	24400 53,800	18450 40,600	*31900 *70,300	24850 54,700	*41650 *91,800	36100 79,600
-6.1 m -20'		*16550 *36,500	13800 30,400					*18050 *39,800	14650 32,300	*22950 *50,600	18750 41,400	*28850 *63,600	25350 55,900	*36900 *81,300	*36900 *81,300

\*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 25'7"
- Arm: 3.4 m 11'2"
- Bucket: 6.7 m³ 8.8 yd³

A: Reach from swing center

B: Bucket hook height

C: Lifting capacity

Cf: Rating over front

Cs: Rating over side

☉: Rating at maximum reach

Unit: kg lb

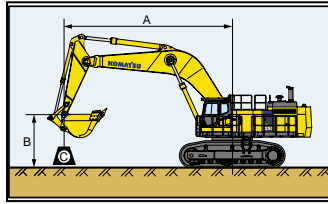
	A	☉ Maximum		12.2 m 40'		10.7 m 35'		9.1 m 30'		7.6 m 25'		6.1 m 20'		4.6 m 15'	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
34.3MPa(Heavy Lift On)	9.1 m 30'	*11980 *26,400	*11980 *26,400					*17295 *38,100	*17295 *38,100						
	6.1 m 20'	*12480 *27,500	*12480 *27,500			*16505 *36,300	16035 35,300	*24585 *54,200	22415 49,400	*28980 *63,800	*28980 *63,800	*36565 *80,600	*36565 *80,600		
	3.0 m 10'	*14805 *32,600	13615 30,000			19995 44,000	15210 33,500	26730 58,900	20565 45,300	*35485 *78,200	28275 62,300	*47680 *105,000	40670 89,600		
	0.0 m 0'	19160 42,200	14430 31,800			19270 42,400	14520 32,000	25360 55,900	19265 42,400	31535 69,500	23345 51,400	*48975 *108,000	38180 84,100		
	-3.0 m -10'	*24150 *53,200	19355 42,600					*24215 *53,300	19390 42,700	*31080 *68,500	24655 54,300	*41660 *91,800	38740 85,400	*52705 *116,200	*52705 *116,200
	-6.1 m -20'														
	31.4MPa(Heavy Lift Off)	9.1 m 30'	*11980 *26,400	*11980 *26,400					*17295 *38,100	*17295 *38,100					
6.1 m 20'		*12480 *27,500	*12480 *27,500			*16505 *36,300	16035 35,300	*21380 *47,100	*21380 *47,100	*25410 *56,000	*25410 *56,000	*32315 *71,200	*32315 *71,200		
3.0 m 10'		*14805 *32,600	13615 30,000			19995 44,000	15210 33,500	*24715 *54,400	20565 45,300	*31095 *68,500	28275 62,300	*41990 *92,500	40670 89,600		
0.0 m 0'		19160 42,200	14430 31,800			19270 42,400	14520 32,000	25360 55,900	19265 42,400	*30260 *66,700	23345 51,400	*43000 *94,800	38180 84,100		
-3.0 m -10'		*20745 *45,700	19355 42,600					*20800 *45,800	19390 42,700	*26790 *59,000	24655 54,300	*36355 *80,100	*36355 *80,100	*46065 *101,500	*46065 *101,500
-6.1 m -20'															

\*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.





## PC1250LC-7 LIFTING CAPACITY



### PC1250LC-7

Equipment:

- Boom: 9.1 m 29'10"
- Arm: 3.4 m 11'2"
- Bucket: 5.0 m<sup>3</sup> 6.5 yd<sup>3</sup>

A: Reach from swing center

B: Bucket hook height

C: Lifting capacity

Cf: Rating over front

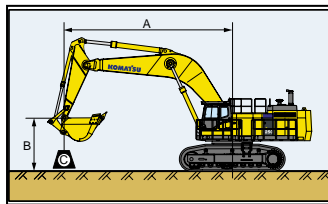
Cs: Rating over side

⊗ : Rating at maximum reach

Unit: kg lb

	A \ B	Maximum		12.2 m 40'		10.7 m 35'		9.1 m 30'		7.6 m 25'		6.1 m 20'		4.6 m 15'	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
34.3MPa(Heavy Lift On)	9.1 m 30'	*15200 *33,500	*15200 *33,500			*18000 *39,700	*18000 *39,700								
	6.1 m 20'	*15950 *35,100	13850 30,500			*20000 *44,200	18200 40,100	*22950 *50,600	*22950 *50,600	*27900 *61,500	*27900 *61,500				
	3.0 m 10'	*18300 *40,300	12500 27,600	*19950 *43,900	13150 29,000	*22900 *50,500	16850 37,200	*27500 *60,600	21800 48,100	*34950 *77,000	28850 63,600				
	0.0 m 0'	*21000 *46,300	12950 28,600			*24600 *54,200	15950 35,200	*28550 *62,900	19150 42,200	*37400 *82,400	27300 60,100				
	-3.0 m -10'	*22700 *50,100	16000 35,300			*22800 *50,200	16050 35,400	*28550 *62,900	20450 45,100	*35300 *77,800	27450 60,600	*43850 *96,700	40100 88,400	*39250 *86,600	*39250 *86,600
	-6.1 m -20'	*23500 *51,800	*23500 *51,800							*25400 *56,000	*25400 *56,000	*32550 *71,700	*32550 *71,700		
31.4MPa(Heavy Lift Off)	9.1 m 30'	*15200 *33,500	*15200 *33,500			*15500 *34,200	*15500 *34,200								
	6.1 m 20'	*15850 *34,900	13850 30,500			*17300 *38,100	*17300 *38,100	*19950 *44,000	*19950 *44,000	*24400 *53,800	*24400 *53,800				
	3.0 m 10'	*16750 *36,900	12500 27,600	*17150 *37,800	13150 29,000	*19800 *43,700	16850 37,200	*23900 *52,700	21800 48,100	*30550 *67,400	28850 63,600				
	0.0 m 0'	*18050 *39,800	12950 28,600			*21250 *46,900	15950 35,200	*24700 *54,400	19150 42,200	*32650 *72,000	27300 60,100				
	-3.0 m -10'	*19600 *43,200	16000 35,300			*19650 *43,300	16050 35,400	*24750 *54,600	20450 45,100	*30750 *67,800	27450 60,600	*38350 *84,500	*38350 *84,500	*39250 *86,600	*39250 *86,600
	-6.1 m -20'	*20150 *44,500	*20150 *44,500							*21900 *48,200	*21900 *48,200	*28150 *62,100	*28150 *62,100		

\*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.



### PC1250LC-7

Equipment:

- Boom: 9.1 m 29'10"
- Arm: 4.5 m 14'9"
- Bucket: 4.0 m<sup>3</sup> 5.2 yd<sup>3</sup>

A: Reach from swing center

B: Bucket hook height

C: Lifting capacity

Cf: Rating over front

Cs: Rating over side

⊗ : Rating at maximum reach

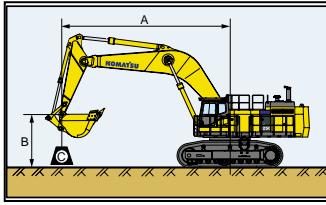
Unit: kg lb

	A \ B	Maximum		12.2 m 40'		10.7 m 35'		9.1 m 30'		7.6 m 25'		6.1 m 20'		4.6 m 15'	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
34.3MPa(Heavy Lift On)	9.1 m 30'	*9300 *20,500	*9300 *20,500												
	6.1 m 20'	*9650 *21,300	*9650 *21,300	*16650 *36,700	14350 31,600	*18150 *40,000	*18150 *40,000	*20550 *45,300	*20550 *45,300						
	3.0 m 10'	*10950 *24,200	10750 23,700	*18700 *41,300	13400 29,500	*21450 *47,300	17150 37,800	*25600 *56,500	22250 49,100	*32350 *71,300	29700 65,500				
	0.0 m 0'	*13650 *30,100	11000 24,300	*20250 *44,700	12600 27,800	*23850 *52,600	15950 35,100	*28000 *61,700	19450 42,900	*36600 *80,700	27300 60,200	*29300 *64,600	*29300 *64,600		
	-3.0 m -10'	*19400 *42,700	13050 28,800			*23850 *52,600	15550 34,300	*29200 *64,300	20000 44,100	*36300 *80,100	26900 59,300	*46350 *102,200	39150 86,300	*31900 *70,300	*31900 *70,300
	-6.1 m -20'	*21750 *48,000	19600 43,200					*23650 *52,100	20950 46,200	*28850 *63,600	*26400 *58,200	*38200 *84,200	*38200 *84,200	*48900 *107,800	*48900 *107,800
31.4MPa(Heavy Lift Off)	9.1 m 30'	*9300 *20,500	*9300 *20,500												
	6.1 m 20'	*9650 *21,300	*9650 *21,300	*14250 *31,400	*14250 *31,400	*15600 *34,400	*15600 *34,400	*17850 *39,300	*17850 *39,300						
	3.0 m 10'	*10950 *24,200	10750 23,700	*16050 *35,400	13400 29,500	*18500 *40,800	17150 37,800	*22250 *49,000	*22250 *49,000	*28250 *62,300	*28250 *62,300				
	0.0 m 0'	13650 30,100	11000 24,300	*17400 *38,400	12600 27,800	*20600 *45,500	15950 35,100	*24200 *53,300	19450 42,900	*31950 *70,400	*27300 *60,200	*29300 *64,600	*29300 *64,600		
	-3.0 m -10'	*17250 *38,100	13050 28,800			*20600 *45,400	15550 34,300	*25300 *55,800	20000 44,100	*31650 *69,800	26900 59,300	*40550 *89,400	39150 86,300	*31900 *70,300	*31900 *70,300
	-6.1 m -20'	*18650 *41,100	*18650 *41,100					*20300 *44,800	*20300 *44,800	*24800 *54,700	*24800 *54,700	*33200 *73,200	*33200 *73,200	*42600 *93,900	*42600 *93,900

\*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.



# PC1250-7 LIFTING CAPACITY



## PC1250LC-7

Equipment:

- Boom: 9.1 m 29'10"
- Arm: 5.7 m 18'8"
- Bucket: 3.4 m<sup>3</sup> 4.4 yd<sup>3</sup>

A: Reach from swing center

B: Bucket hook height

C: Lifting capacity

Cf: Rating over front

Cs: Rating over side

☉ : Rating at maximum reach

Unit: kg lb

	A	☉ Maximum		13.7 m 45'		12.2 m 40'		10.7 m 35'		9.1 m 30'		7.6 m 25'		6.1 m 20'	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
34.3MPa(Heavy Lift On)	9.1 m 30'	*5900 *13,000	*5900 *13,000												
	6.1 m 20'	*6050 *13,400	*6050 *13,400	*11050 *24,300	*11050 *24,300	*14950 *32,900	*14950 *32,900								
	3.0 m 10'	*6800 *15,000	*6800 *15,000	*15050 *33,100	10800 23,800	*17400 *38,300	13750 30,400	*19800 *43,700	17650 38,900	*23450 *51,700	23000 50,700	*29300 *64,600	*29300 *64,600	*39750 *87,600	*39750 *87,600
	0.0 m 0'	*8400 *18,500	*8400 *18,500	*15350 *33,800	10150 22,400	*19500 *43,000	12700 28,000	*22850 *50,400	16100 35,500	*27700 *61,100	20750 45,700	*35100 *77,400	27650 60,900	*31200 *68,800	*31200 *68,800
	-3.0 m -10'	*11500 *25,400	10750 23,700			*20050 *44,200	12250 27,000	*24000 *52,900	15350 33,800	*29250 *64,500	19750 43,500	*36600 *80,700	26500 58,500	*43900 *96,800	38450 84,800
	-6.1 m -20'	*19200 *42,300	14850 32,700					*21050 *46,500	15750 34,700	*26600 *58,700	20100 44,300	*33250 *73,300	27050 59,600	*42300 *93,300	39550 87,100
	31.4MPa(Heavy Lift Off)	9.1 m 30'	*5900 *13,000	*5900 *13,000											
6.1 m 20'		*6050 *13,400	*6050 *13,400	*11050 *24,300	*11050 *24,300	*12700 *28,000	*12700 *28,000								
3.0 m 10'		*6800 *15,000	*6800 *15,000	*13350 *29,500	10800 23,800	*14850 *32,800	13750 30,400	*17050 *37,600	*17050 *37,600	*20300 *44,800	*20300 *44,800	*25550 *56,300	*25550 *56,300	*34850 *76,800	*34850 *76,800
0.0 m 0'		*8400 *18,500	*8400 *18,500	*14500 *31,900	10150 22,400	*16700 *36,800	12700 28,000	*19700 *43,400	16100 35,500	*24000 *53,000	20750 45,700	*30600 *67,500	27650 60,900	*31200 *68,800	*31200 *68,800
-3.0 m -10'		*11500 *25,400	10750 23,700			*17150 *37,800	12250 27,000	*20700 *45,600	15350 33,800	*25350 *55,900	19750 43,500	*31900 *70,300	26500 58,500	*41650 *91,800	38450 84,800
-6.1 m -20'		*16550 *36,500	14850 32,700					*18050 *39,800	15750 34,700	*22950 *50,600	20100 44,300	*28850 *63,600	27050 59,600	*36900 *81,300	*36900 *81,300

\*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.



# TRANSPORTATION GUIDE

Transportation volume (length x height x width)

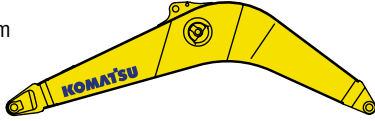
Specs shown include the following equipment:

**Backhoe:** boom 9100 mm **29'10"**, arm 3400 mm **11'2"**, bucket 5.0 m<sup>3</sup> **6.5 yd<sup>3</sup>**, shoes 700 mm **28"** double grouser

### Work equipment assembly (Backhoe)

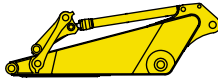
Weight : PC1250 : 25.1 t 27.7 U.S. ton  
PC1250SP : 27.0 t 29.8 U.S. ton

### Boom



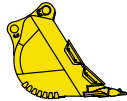
PC1250 : 11.0 t : 9475 x 2894 x 1474  
12.1 U.S. ton : 31'1" x 9'6" x 4'10"  
PC1250SP : 10.9 t : 8170 x 3095 x 1474  
12.0 U.S. ton : 26'10" x 10'2" x 4'10"

### Arm



PC1250 : 5.9 t : 4895 x 1626 x 890  
6.5 U.S. ton : 16'1" x 5'4" x 2'11"  
6.2 t : 4895 x 1626 x 890 (Heavy-duty version)  
6.8 U.S. ton : 16'1" x 5'4" x 2'11"  
PC1250SP : 6.3 t : 4914 x 1683 x 890  
6.9 U.S. ton : 16'1" x 5'6" x 2'11"

### Bucket



PC1250 : 4.3 t : 2700 x 2100 x 2050  
4.7 U.S. ton : 8'10" x 6'11" x 6'9"  
5.1 t : 2580 x 2276 x 2250 (Heavy-duty version)  
5.6 U.S. ton : 8'6" x 7'6" x 7'5"  
PC1250SP : 5.9 t : 2527 x 2420 x 2520  
6.5 U.S. ton : 8'3" x 7'11" x 8'3"

### Arm cylinder

1.5 t  
1.7 U.S. ton

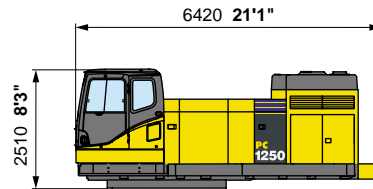


### Boom cylinder

2.4 t [1.2t x 2]  
2.64 U.S. ton [1.32 U.S. ton x 2]

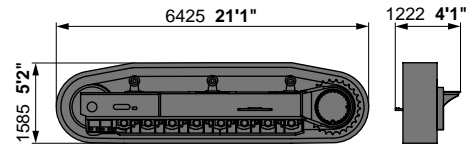


### Upper structure



Width : 3490 11'5"  
Weight : 23.9 t 26.3 U.S. ton

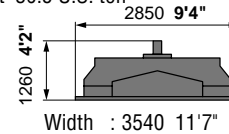
### Undercarriage



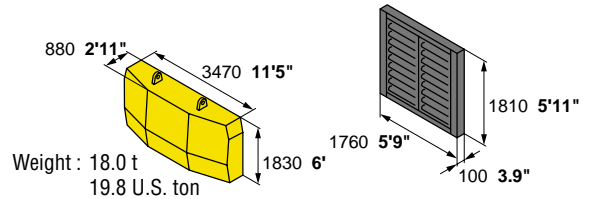
Standard Weight: 30t [15 t x 2]  
33.1 U.S. ton [16.55 U.S. ton x 2]  
S.P. Weight: 30.9 t [15.45 t x 2] (with full length roller guard)  
34.1 U.S. ton [17.05 U.S. ton x 2]  
LC Weight : 38.5 t [19.0 t x 2] (with full length roller guard)  
41.9 U.S. ton [20.95 U.S. ton x 2]

### Others

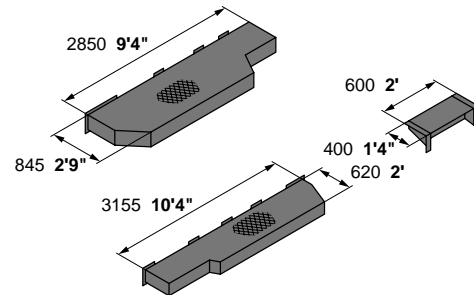
Weight : 27.7 t 30.5 U.S. ton



Width : 3540 11'7"



Weight : 18.0 t  
19.8 U.S. ton







## STANDARD EQUIPMENT

### Engine and its related items:

- Air cleaner, double element dry
- Cooling fan, with fan guard
- Engine, Komatsu SAA6D170E-3

### Electrical system:

- Alternator, 90 Amp, 24V
- Batteries, 2 x 12V, 250 Ah
- Starting motor, 11 kW x 2
- Working light, (2 cab, 2 boom)
- Timer-off step light

### Undercarriage:

- PC1250-7, PC1250SP-7, 1000 mm **39.4"** double grouser shoes
- PC1250LC-7, 1000 mm **39.4"** double grouser shoes
- PC1250-7, 8-track/3 carrier rollers (each side)
- PC1250LC-7, 10-track/3 carrier rollers (each side)
- PC1250SP-7, 8-track/3 carrier rollers (each side)
- Hydraulic track adjusters (each side)
- Track guiding guard (each side)

### Guards and covers:

- Dust-proof net for radiator and oil cooler
- Pump/engine room partition cover
- Revolving frame undercover

### Operator environment:

- Auto air conditioner with defroster
- Cab features: Viscous mount, all weather sound suppression with tinted safety glass windows, pull-up front window with lock device, roof window, lockable door, two intermittent window wipers and washer, floormat, cigarette lighter, ashtray, heater with defroster, storage box, hot/cool box, one piece right window, and antenna
- Inclined dashboard
- Handrails for machine cab
- Multi-function color monitor system with electrically-controlled throttle lever, electric service meter, gauges (coolant temp and fuel level), caution lights (electric charge, engine, oil pressure, and air cleaner clogging), indicator lights (engine preheating and swing lock light), level check light (coolant, engine oil, and hydraulic oil level), self-diagnostic system with trouble data memory

- Rearview mirrors, RH and LH
- Retractable 78 mm **3"** seat belt
- Seat, fully adjustable with suspension

### Hydraulic controls:

- Fully hydraulic, with Electronic Open Center Load Sensing (EOLSS) and engine speed sensing (pump and engine mutual control system)
- 1 gear pump for control circuit
- 2 axial piston motor for swing with single stage relief valve
- 1 axial piston motor per track for travel with counter balance valve
- 3 variable capacity piston pumps
- 3 control valves, 5+4+4 spools (boom, arm, bucket, swing, LH & RH travel)
- Control levers, wrist control levers for arm, boom, bucket, and swing with PPC system
- Control levers and pedals for steering and travel with PPC system
- Oil cooler
- In-line filter

### Drive and brake system:

- Brakes, hydraulic lock travel brakes, oil disc parking, and swing holding brake
- Hydrostatic, 2 travel speed system with planetary double reduction final drive

### Other standard equipment:

- Automatic swing holding brake
- Corrosion resister
- Counterweight, 18000 kg **39,700 lb**
- Horn, air
- Marks and plates, English
- One-touch engine oil drainage
- Paint, Komatsu standard
- PM tune-up service connector
- Remote greasing for radiator fan drive
- Travel alarm
- Wide catwalk and large handrails
- Vandalism protection locks



## OPTIONAL EQUIPMENT

- Arms
  - 3400 mm **11'2"** arm assembly
  - 3400 mm **11'2"** SP arm assembly (std only)
  - 4500 mm **14'9"** arm assembly
  - 5700 mm arm **18'8"** assembly (std only)
- Boom
  - 9100 mm **29'10"**
  - 7800 mm **25'7"** SP boom

- Cab front full guard
- Head guard (FOG)
- Revolving frame undercover (HD)
- Shoes
  - 1000 mm **39.4"** double grouser
  - 1200 mm **47.25"** double grouser
- Track roller guards (full length)
- Track frame undercover

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