KOMATSU

PC1250-11

PC1250

HYDRAULIC EXCAVATOR

ENGINE POWER
578 kW / 775 HP @ 1.800 rpm

OPERATING WEIGHT
115.900 - 118.300 kg

BUCKET CAPACITY
6,7 m³

Walk-Around

PC1250-11

ENGINE POWER
578 kW / 775 HP @ 1.800 rpm

OPERATING WEIGHT
115.900 - 118.300 kg

BUCKET CAPACITY
6,7 m³

EXCEPTIONAL WORKABILITY AND ENVIRONMENTAL PERFORMANCE

Ecology & Economy Features

- Komatsu's new U.S. EPA Tier 4 Final emission regulations-compliant engine NEW
- Fuel consumption reduced up to 7% (Comparison of PC1250-11 P mode and PC1250-8 P mode) NEW
- Further promotion of cleanliness and economy
- Auto idle stop function NEW

Workability & Reliability Features

- Productivity increased up to 8% (Comparison of PC1250-11 P+ mode and PC1250-8 P mode) NEW
- Large digging force
- Enhanced efficiency due to powerful and smooth work
- Highly durable and reliable Komatsu designed components

Safety Features

- Operator's cab OPG level 2 (ISO 10262) NEW
- Lock lever auto lock function NEW
- Rear and side view monitor system NEW
- Meticulous safety accessories throughout
- Hydraulically operated stairway NEW
- Emergency stop switch NEW

Operator Comfort

- Comfortable working environment

Information & Communication Technology

- Machine monitor with evolutionary interface NEW
- High resolution, easy-to-use color monitor provides powerful support for energy saving operation
- Operator identity function provides improved machine management and production records NEW
- KomVision NEW

Easy Maintenance

- New maintenance features provided throughout the machine help reduce inspection time, maintenance work and also machine downtime
- Various kinds of maintenance information are displaced clearly on the monitor screen

KOMTRAX Plus

- Increased operational data and fuel savings

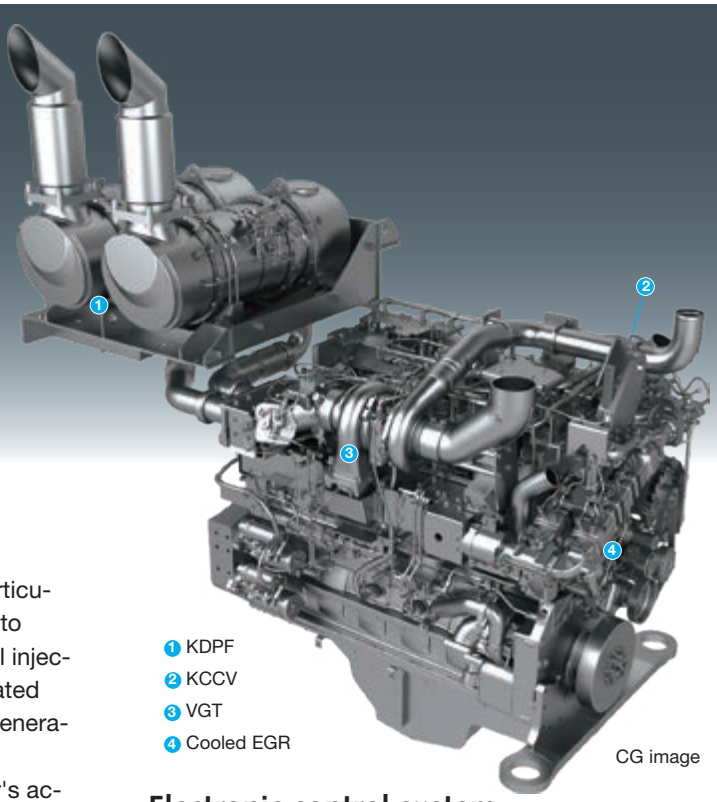
KOMATSU CARE™

A maintenance program for Komatsu customers

Ecology & Economy Features

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.

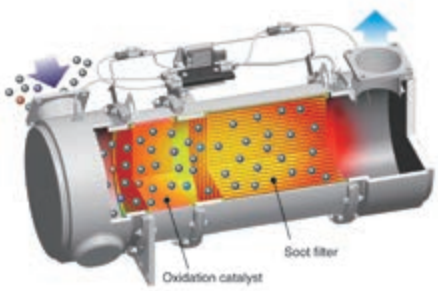


1 KDPF
2 KCCV
3 VGT
4 Cooled EGR

CG image

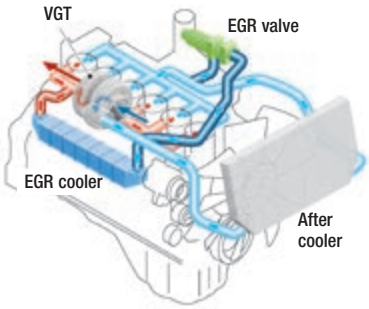
Technologies Applied to New Engine Heavy-duty aftertreatment system

Komatsu Diesel Particulate Filter (KDPF) reduces Particulate Matter (PM) by more than 80% when compared to Tier 3 levels. Special oxidation catalyst and extra fuel injection in the exhaust stream can decompose accumulated soot in the KDPF filter by either active or passive regeneration.
This system does not require any additional operator's action or interrupt normal operation.



Heavy-duty cooled Exhaust Gas Recirculation (EGR) system

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

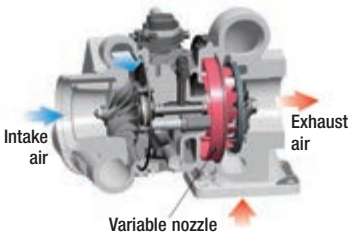


Electronic control system

The electronic control system performs high-speed processing of all signals from sensors installed in the vehicle and engine to ensure total control of equipment in all conditions of use. Conditions of the engine are displayed via an on-board network on the monitor inside the cab, providing necessary information to the operator. Furthermore, managing the information via KOMTRAX Plus helps customers engage in appropriate maintenance.

Variable Geometry Turbocharger (VGT) system

The VGT system features 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.

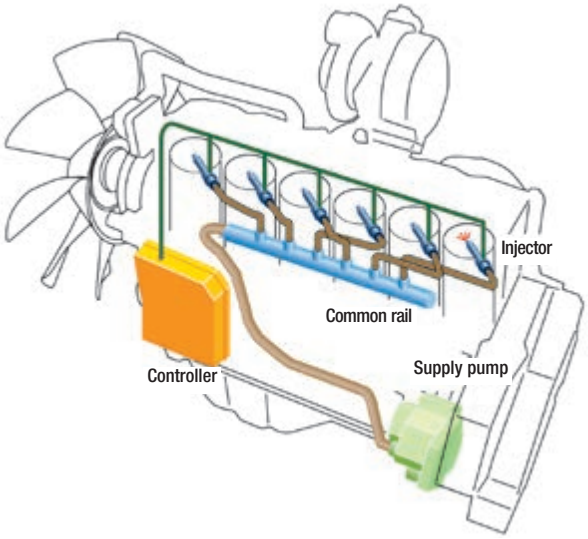


Komatsu Closed Crankcase Ventilation (KCCV)

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.

High Pressure Common Rail (HPCR) fuel injection system

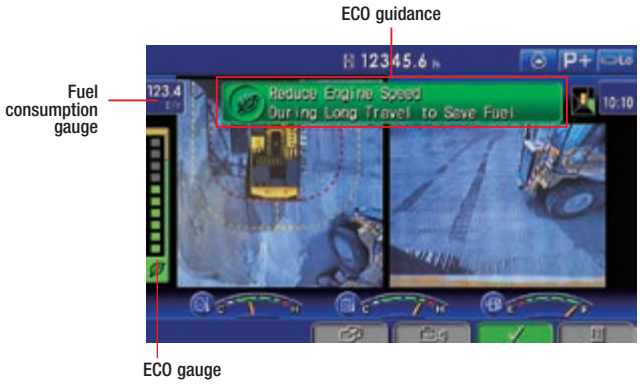
The system is designed to achieve an optimal injection of high-pressure fuel by means of computerized control, thereby bringing close to complete combustion to reduce Particulate Matter (PM) emissions.



Further Promotion of Cleanliness and Economy – Auto Idle Stop Function

When the engine has been idling for certain time, the engine stops automatically to reduce unnecessary fuel consumption and exhaust emissions. The duration before the engine shutdown can be easily programmed.

Hydraulic variable speed fan (Reversible)
Working mode selectable
ECO guidance
ECO gauge & fuel consumption gauge



Workability & Reliability

Power Plus Mode

The PC1250-11 excavator is newly equipped with Power plus (P+) mode in addition to power (P) and economy (E) mode.
P+ mode greatly increases the productivity.

P+ mode productivity

increased by 8%

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

P mode fuel efficiency

increased by 8%

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

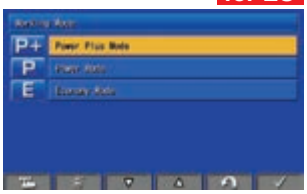
Heavy Lift Mode

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

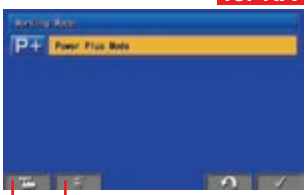
Swing Priority Setting

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.

for EU



for NA



Heavy Lift Mode Swing Priority Setting

Large Digging Force

Thanks to the high engine output and an excellent hydraulic system, this machine delivers a powerful digging force.

Maximum arm crowd force (ISO 6015)

PC1250-11 PC1250SP-11	412 kN (42,0 t)

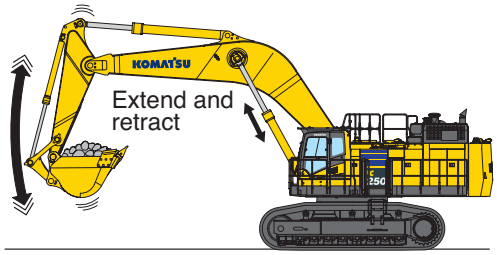
Maximum bucket digging force (ISO 6015)

PC1250-11	479 kN (48,8 t)
PC1250SP-11	570 kN (58,1 t)

3.400 mm arm and ISO 6015 rating

Shockless Boom Control

The PC1250-11 boom circuit features a shockless valve (double-check slow return valve) to 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 minimized.

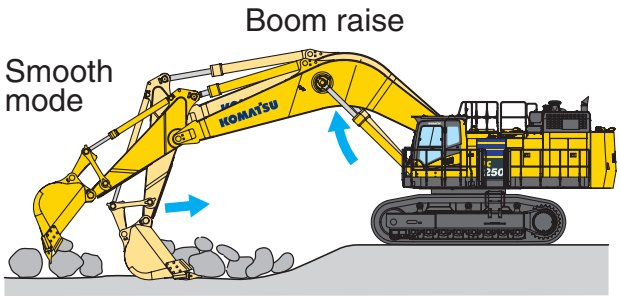


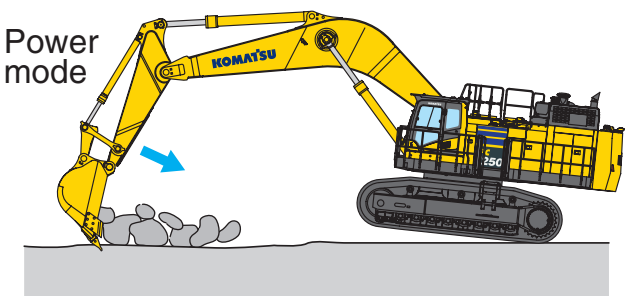
Large Drawbar Pull and Steering Force

Since the machine has a large drawbar pull and a high steering force, it demonstrates excellent mobility even when it is being used on inclined sites.

Two-mode Setting for Boom

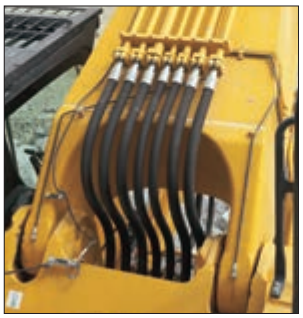
Smooth mode provides easy operation for gathering blasted rock and scraping operations. When maximum digging force is needed, switch to Power mode for more effective excavating.





Boom Foot Hoses

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

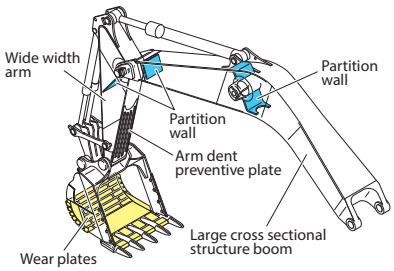


Bulkhead wall (fire wall)

Prevents oil from splashing into the engine room even if hydraulic hoses are broken.

Strengthened Boom and Arm

Thanks to the large cross-sectional structure employing a high tensile strength steel with a thick plate, partition wall, etc., the boom and arm exhibit excellent durability and are highly resistant to bending and torsional stress.



Fuel Pre-filter (with Water Separator)

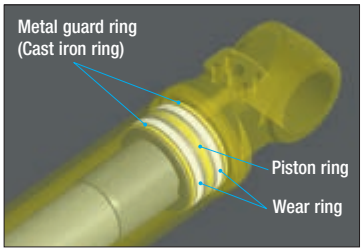
Fuel system reliability is even better with high efficiency fuel filter.

Detecting clogging of hydraulic return filter

recommends filter exchange and prevents catastrophic damage of hydraulic system by informing operator the clogging of hydraulic return filter.
The signal can be monitored via the KOMTRAX Plus.

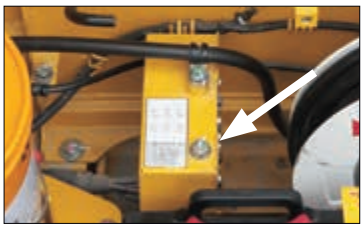
Metal Guard Rings

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



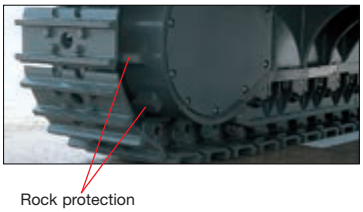
Circuit Breaker

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

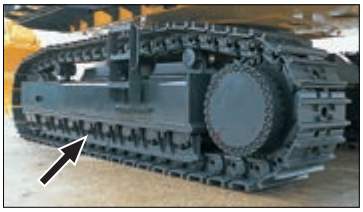


Sturdy Undercarriage

The undercarriage is strengthened to provide excellent reliability and durability when working on rocky ground or blasted rock.
Sturdy guards shield the travel motors and pipings against damage from rocks.



Track roller guard (full length) (Optional)



O-ring Face Seal
High-pressure In-line Filtration
Heat-resistant Wiring
Strengthened Revolving Frame Underguard
Sealed Connectors

Safety Features

Operator's Cab

The machine is equipped with an operator's cab that conforms to OPG top guard level 2 (ISO 10262) for falling objects. The cab has high shock-absorption performance, featuring excellent durability and impact strength.

Hydraulically operated stairway

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).

Emergency stop switch

Emergency stop switches are provided at three points (in the operator's cab, on the right deck and left catwalk). They can be accessed easily in case of emergency.

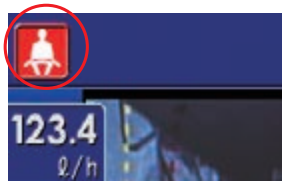
Lock Lever – Auto Lock Function

If the work equipment lever is not in the neutral position when the hydraulic lock lever is released, the equipment is automatically stopped. The auto stop state is shown on the monitor screen.

Safety Equipment

Engine shut down secondary switch at base of seat to shutdown the engine.

Seat belt caution indicator



- Seat belt retractable
- Beacon (optional)
- Rear working light (LED
- Emergency escape hammer
- Tempered & tinted glass
- Large side-view & sidewise mirrors
- Slip-resistant plates
- Lock lever
- Travel alarm
- Step light with timer
- Horn interconnected with warning light (Optional)
- Bolt-on top guard, OPG level 2 (ISO 10262)
- Thermal and fan guards

Operator Comfort

Comfortable Working Space

Wide spacious cab

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

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)

Sun shield

Handling radio, ashtray

Cigarette lighter

Magazine box & cup holder

High back air suspension seat with heat

Remote intermittent wiper with windshield washer

Defroster
(Conform to the ISO 10263-5)

Information & Communication Technology

Large High Resolution Liquid Crystal Display (LCD) Monitor – Machine Monitor with Evolutionary Interface

The interface has been redesigned to enable the necessary information to be read and understood more easily, rear and side view camera images have been added to the default main screen. The interface has a function that enables the main screen to be switched, thus enabling the optimum screen for the particular work situation to be displayed.

Indicators

1. Auto-decelerator
2. Working mode
3. Travel speed
4. ECO gauge
5. Camera display
6. Engine coolant temperature gauge
7. Hydraulic oil temperature gauge
8. Fuel gauge
9. Service meter
10. Clock
11. Fuel consumption gauge
12. Guidance icon
13. Function switches
14. Camera direction display

Basic operation switches

1. Auto-decelerator
2. Working mode selector
3. Travel speed selector
4. Buzzer cancel
5. Wiper
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 – ECO guidance

While the machine is operating, ECO guidance pops up on the monitor screen to notify the operator of the status of the machine in real time.

ECO gauge & fuel consumption gauge

The monitor screen is provided with an ECO 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 ECO guidance record

The ECO guidance menu enables the operator to check the operation record, fuel consumption history and ECO guidance record from the ECO 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 Plus data. Data sent from KOMTRAX Plus can be used to analyze operation status by operator as well as by machine.

KOMTRAX PLUS

KOMTRAX Plus

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 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 was done and help you plan for future maintenance needs

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

What

- KOMTRAX is Komatsu’s remote equipment monitoring and management system
- KOMTRAX is standard equipment on all Komatsu construction products
- KOMTRAX continuously monitors and records machine health and operational data
- Information such as fuel consumption, utilization, and a detailed history aids in making repair or replacement decisions

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

KomVision

The surroundings of the machine can be displayed on the monitor by using 4 cameras installed at the sides and rear of the machine. Press the switch F4 to select the image of the right, left and rear side view of the machine.

Rear and Side View Monitor System

The new monitor system is added to the previous model in that the rear and side view camera image is continuously displayed together with the meters. This enables the operator to carry out work safely while checking the surrounding.

Equipment Management Support

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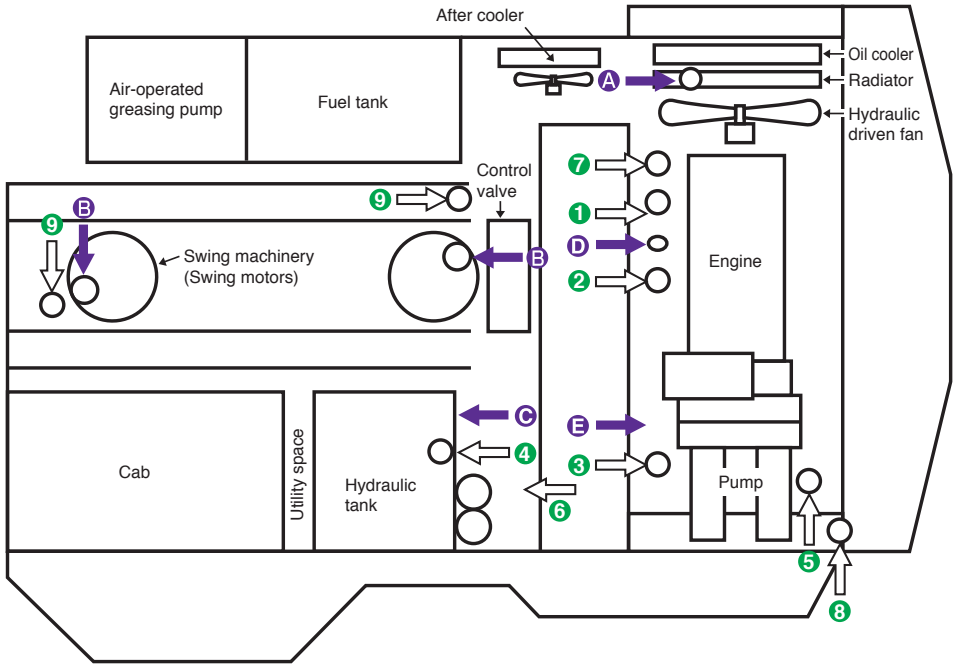
Easy Maintenance

A Wealth of Devices is Provided Throughout the Machine for Reducing Inspection and Maintenance Work and Also Machine Downtime.



- Ⓐ Coolant
- Ⓑ Swing machinery oil
- Ⓒ Hydraulic oil
- Ⓓ Engine oil
- Ⓔ Power Take Off (PTO) oil

- ❶ Fuel filters
- ❷ Fuel pre-filters
- ❸ Engine oil filters
- ❹ Hydraulic drain filter
- ❺ Pilot filter
- ❻ Hydraulic return filters
- ❼ KCCV filter
- ❽ PTO strainer
- ❾ Swing motor cooling filters

Easy Checking and Maintenance

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

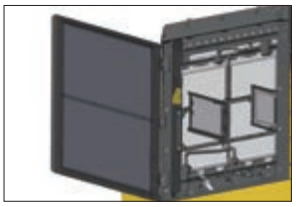
The hydraulically driven fan can reversed to facilitate cleaning of the cooling unit. In addition, this feature contributes to reducing warm-up time in low temperatures.

Walkway Light

Lighting to walkway provides easy and safety maintenance even in dark circumstances.

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 allows a technician to disconnect the power supply and lock out before servicing the machine.

for NA

for EU

Fuel Quick Charge System (Optional)

Refueling port on the right front deck can be accessed from the ground level.

Electric Priming Pump
Wide Catwalk, 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 500 hours
Hydraulic oil	every 5.000 hours
Hydraulic oil filter	every 1.000 hours

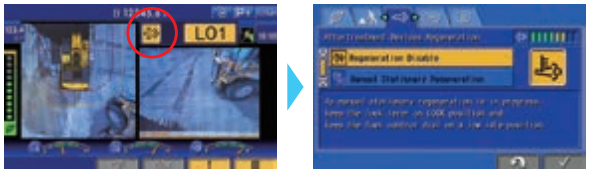
Maintenance Information

"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

Specifications

PC1250-11

ENGINE

Model	Komatsu SAA6D170E-7
Type	4-cycle, water-cooled, direct injection, turbocharged, air-to-air charge air cooler, cooled EGR
Engine power	
at rated engine speed	1.800 rpm
SAE J1995	578 kW / 775 HP
ISO 9249 / SAE J1349* (net engine power)	565 kW / 758 HP
No. of cylinders	6
Bore × stroke	170 × 170 mm
Displacement	23,15 l
Fan drive type	Hydraulic
Engine emissions	Exempt from EU exhaust emission regulations
*Net horsepower at the maximum speed of radiator cooling fan	519 kW / 696 HP

HYDRAULIC SYSTEM

Type	Open-centre load sensing system
Main pump	3 variable displacement piston pumps supplying boom, arm, bucket, swing and travel circuits
Maximum pump flow	
Implement and travel	2 × 494 l/min
Swing	1 × 600 l/min
Sub-pump for control circuit	Gear pump
Hydraulic motors	
Travel	2 × axial piston motors with parking brake
Swing	2 × axial piston motors with swing holding brake
Relief valve settings	
Backhoe	320 kg/cm²
Loading shovel	320 kg/cm²
Travel	350 kg/cm²
Swing	300 kg/cm²
Pilot circuit	32 kg/cm²
Hydraulic cylinders (no. of cylinders – bore × stroke):	
Boom	2 – 225 mm × 2.390 mm
Arm	1 – 250 mm × 2.435 mm
Standard bucket	2 – 160 mm × 1.825 mm
SP bucket	2 – 160 mm × 1.950 mm

SWING SYSTEM

Type	2 × hydraulic motors
Swing reduction	Planetary gear
Swing circle lubrication	Grease-bathed
Swing lock	Oil disc brake
Swing speed	5,8 rpm

DRIVES AND BRAKES

Steering control	2 levers with pedals, giving full independent control of each track
Drive method	Hydrostatic
Travel motor	Axial piston motor, in-shoe design
Reduction system	Planetary triple reduction
Gradeability	70%
Max. travel speeds	
Lo / Hi	2,3 / 3,3 km/h
Maximum drawbar pull	70.000 kg
Service brake	Hydraulic lock
Parking brake	Oli disc brake

UNDERCARRIAGE

Construction	H-leg frame with box section track frames
Track assembly	
Type	Fully sealed
Shoes (each side)	48
Tension	Hydraulic
Rollers	
Track rollers (each side)	8
Carrier rollers (each side)	3

SERVICE REFILL CAPACITIES

Fuel tank	1360 l
Radiator	142 l
Engine oil	86 l
Swing drive	2 × 20 l
Hydraulic tank	670 l
Final drive (each side)	21 l
Power Take Off (PTO)	13,5 l

OPERATING WEIGHT (APPR.)

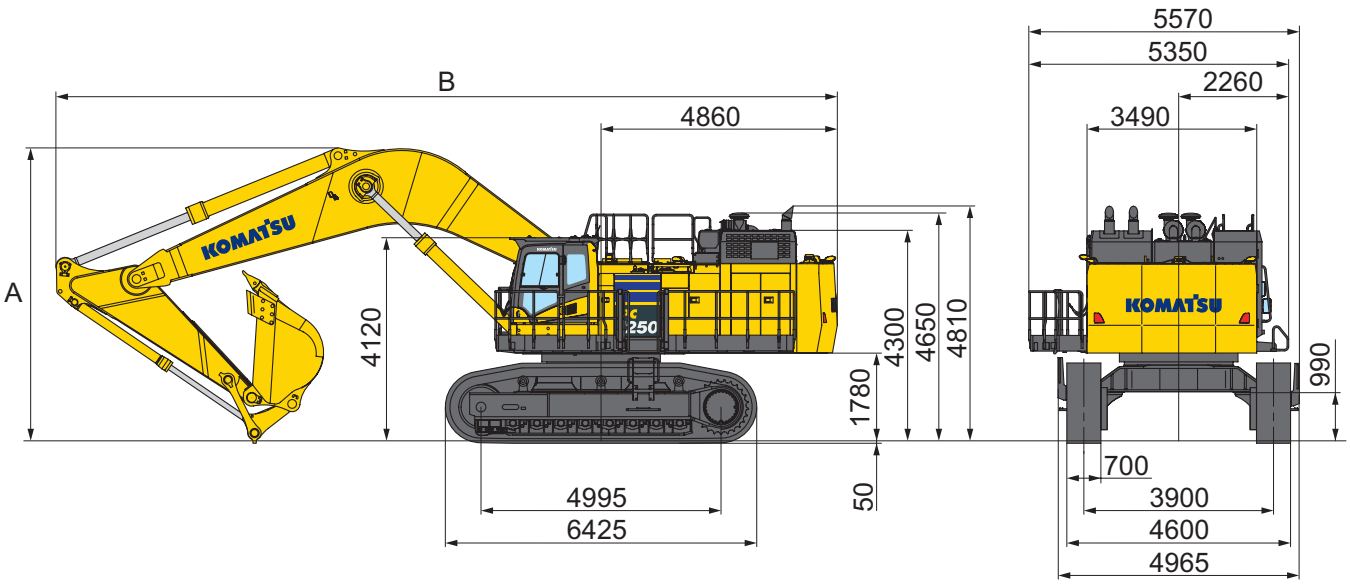
BACKHOE
PC1250-11: Operating weight, including 9.100 mm boom, 3.400 mm arm, SAE J 296 heaped 5,0 m³ backhoe bucket, operator, lubricant, coolant, full fuel tank, and standard equipment.

PC1250SP-11: Operating weight, including 7.800 mm boom, 3.400 mm arm, SAE J 296 heaped 6,7 m³ backhoe bucket, full length roller guard, operator, lubricant, coolant, full fuel tank, and standard equipment.

Double grouser shoes	PC1250-11		PC1250SP-11	
	Operating weight	Ground pressure	Operating weight	Ground pressure
700 mm	115.900 kg	1,51 kg/cm²	118.300 kg	1,54 kg/cm²
1.000 mm	118.200 kg	1,08 kg/cm²	–	

Dimensions & Performance Figures

MACHINE DIMENSIONS		PC1250-11			PC1250SP-11
			9,1 m boom		7,8 m boom
		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	16.070 mm	16.100 mm	15.890 mm	14.840 mm



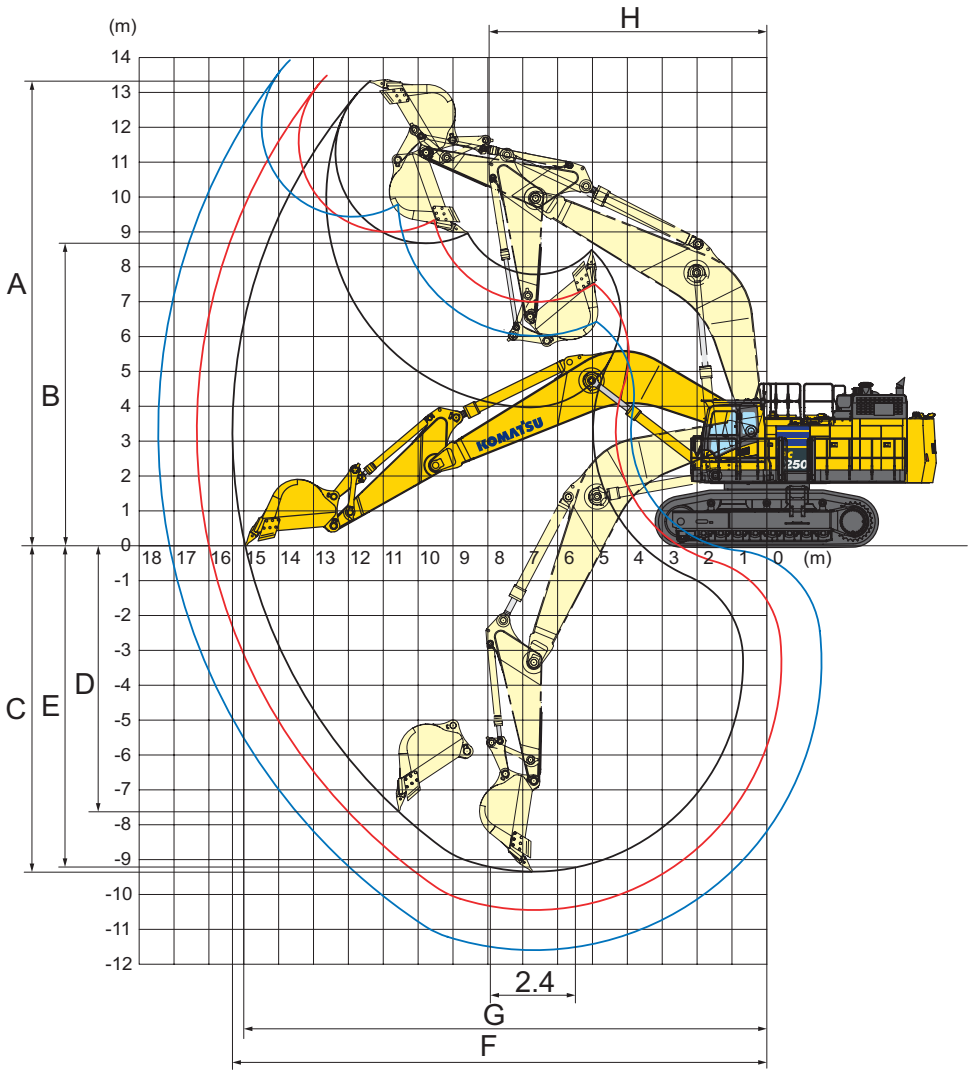
BACKHOE BUCKET, ARM AND BOOM COMBINATION

Bucket Capacity (Heaped)		Width		Weight (With Side Cutters)	Arm Length		
ISO 7451, PCSA	CECE	Without Side Cutters or Shrouds	With Side Cutters or Shrouds				
PC1250-11 (Use with 9,1 m Boom)					3,4 m	4,5 m	5,7 m
3,4 m³	3,0 m³	1.500 mm	1.670 mm	3.550 kg	—	○	■
4,0 m³	3,5 m³	1.710 mm	1.880 mm	3.820 kg	○	■	●
5,0 m³	4,3 m³	2.050 mm	2.220 mm	4.370 kg	■	●	—
5,2 m³	4,5 m³	2.050 mm	2.110 mm	5.780 kg	■	●	—
PC1250SP-11 (Use with 7,8 m Boom)					3,4 m	—	—
6,7 m³	5,9 m³	2.280 mm	2.340 mm	6.500 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 ■: General purpose use, density up to 1,8 t/m³
●: General purpose use, density up to 1,5 t/m³ —: Not useable

Max. capacity and weight have been calculated according to ISO 10567:2007.
Please consult with your distributor for the correct selection of buckets and attachments to suit the application.

Working Range



WORKING RANGE		PC1250-11			PC1250SP-11
			9,1 m boom		7,8 m boom
		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
SAE J1179 Rating	Bucket digging force	422 kN 43.000 kg	422 kN 43.000 kg	343 kN 35.000 kg	502 kN 51.200 kg
SAE J1179 Rating	Arm crowd force	392 kN 40.000 kg	327 kN 33.300 kg	281 kN 28.700 kg	395 kN 40.300 kg
ISO 6015 Rating	Bucket digging force	479 kN 48.800 kg	479 kN 48.800 kg	389 kN 39.700 kg	570 kN 58.100 kg
ISO 6015 Rating	Arm crowd force	412 kN 42.000 kg	337 kN 34.400 kg	286 kN 29.200 kg	412 kN 42.000 kg

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 m^3, shoes 700 mm double grouser

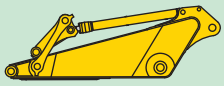
Work equipment assembly (Backhoe)
Weight : PC1250 : 25,7 t
: 27,2 t (Heavy-duty version)
PC1250SP : 28,0 t

Boom

PC1250 : 11,2 t : 9.475 x 2.894 x 1.474 mm

PC1250SP : 11,1 t : 8.170 x 3.095 x 1.474 mm

Arm

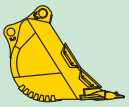


PC1250 : 6,1 t : 4.895 x 1.626 x 890 mm

: 6,4 t : 4.895 x 1.626 x 890 mm (Heavy-duty version)

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

Bucket



PC1250 : 4,6 t : 2.700 x 2.100 x 2.050 mm

: 5,8 t : 2.580 x 2.276 x 2.250 mm (Heavy-duty version)

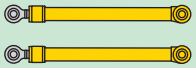
PC1250SP : 6,5 t : 2.527 x 2.420 x 2.520 mm

Arm cylinder

Length :3.950 mm

1,5 t

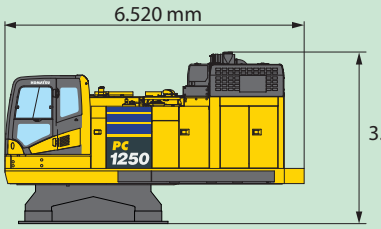
Boom cylinder



Length:3.810 mm

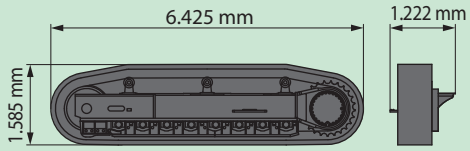
2,3 t [1,15 t x 2]

Upper structure



Width : 3.495 mm
Weight : 39,9 t

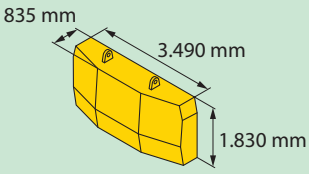
Undercarriage

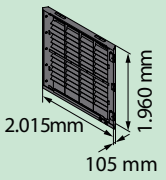


Weight : 31,4 t [15,7 t x 2]

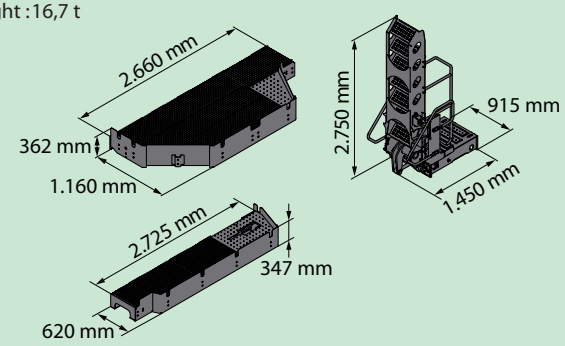
Weight : 32,2 t [16,1 t x 2] (With full length roller guard)

Others
Weight : 17,8 t

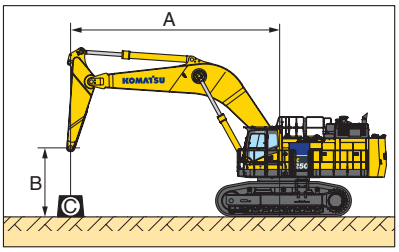




Weight : 16,7 t



Lifting Capacity



A – Reach from swing centre

B – Bucket hook height

C – Lifting capacities

– Rating over front

– Rating over side

– Rating at maximum reach

Weights without bucket

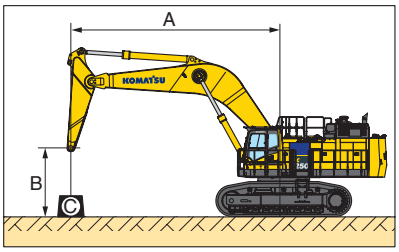
With 700 mm shoes

PC1250-11 / BOOM LENGTH 9,1 M / LIFTING MODE: ON

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	*22.750	21.750			*23.400	*23.400						
	6,1 m	kg	21.850	18.000	22.450	18.550	*25.200	22.850	*28.000	*28.000	*32.850	*32.850		
	3,0 m	kg	20.400	16.750	21.700	17.800	26.200	21.400	32.500	26.350	*40.050	33.500		
	0,0 m	kg	21.000	17.150	21.150	17.300	25.250	20.500	31.100	25.050	40.350	32.000		
	-3,0 m	kg	24.500	19.950			25.300	20.550	31.000	24.950	*40.300	32.050	*49.000	44.900	*41.250	*41.250
	-6,1 m	kg	*26.000	*26.000							*30.200	*30.200	*37.300	*37.300		
3,4 m																
Heavy Lift: OFF	9,1 m	kg	*20.750	*20.750			*20.900	*20.900						
	6,1 m	kg	*20.350	18.000	*21.150	18.550	*22.450	*22.450	*25.000	*25.000	*29.350	*29.350		
	3,0 m	kg	20.400	16.750	21.700	17.800	*24.900	21.400	*28.950	26.350	*35.650	33.500		
	0,0 m	kg	21.000	17.150	21.150	17.300	25.250	20.500	*31.000	25.050	*37.800	32.000		
	-3,0 m	kg	*23.550	19.950			*24.650	20.550	*29.750	24.950	*35.750	32.050	*43.500	*43.500	*37.700	*37.700
	-6,1 m	kg	*22.900	*22.900							*26.650	*26.650	*32.900	*32.900		
3,4 m																

Heavy Lift: ON	9,1 m	kg	*15.900	*15.900	*18.550	*18.550								
	6,1 m	kg	*15.650	*15.650	*21.500	18.700	*22.900	*22.900	*25.200	*25.200				
	3,0 m	kg	*16.400	14.750	21.600	17.650	*26.100	21.350	*30.200	26.450	*36.900	33.850		
	0,0 m	kg	*18.300	14.950	20.700	16.850	24.850	20.100	30.750	24.650	39.850	31.500	*32.350	*32.350		
	-3,0 m	kg	20.800	16.900			24.450	19.750	30.200	24.100	39.350	31.000	*50.850	43.400	*36.350	*36.350
	-6,1 m	kg	*24.700	22.850					*28.150	25.000	*34.700	32.050	*42.550	*42.550	*53.100	*53.100
4,5 m																
Heavy Lift: OFF	9,1 m	kg	*14.450	*14.450	*16.850	*16.850								
	6,1 m	kg	*14.250	*14.250	*19.100	18.700	*20.350	*20.350	*22.500	*22.500				
	3,0 m	kg	*14.900	14.750	*20.800	17.650	*23.150	21.350	*26.800	26.450	*32.800	*32.800		
	0,0 m	kg	*16.650	14.950	20.700	16.850	24.850	20.100	*29.750	24.650	*36.500	31.500	*29.550	*29.550		
	-3,0 m	kg	*20.400	16.900			24.450	19.750	*29.850	24.100	*36.150	31.000	*45.050	43.400	*33.150	*33.150
	-6,1 m	kg	*21.750	*21.750					*24.800	*24.800	*30.650	*30.650	*37.550	*37.550	*46.850	*46.850
4,5 m																

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. 10567.
Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.
Lifting capacity stated is based on lifting with bare arm. When lifting with additional equipment installed to the arm, please subtract the weight of all additional equipment from the values stated.



A – Reach from swing centre

B – Bucket hook height

C – Lifting capacities

– Rating over front

– Rating over side

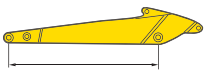
– Rating at maximum reach

Weights without bucket

With 700 mm shoes

PC1250-11 / BOOM LENGTH 9,1 M / LIFTING MODE: ON

Arm length	A		13,7		12,2		10,7		9,1		7,6		6,1	
	B													
Lifting mode: ON	9,1	kg	*11.750	*11.750										
	6,1	kg	*11.600	*11.600	*18.450	15.650	*19.450	19.050						
5,7 m	3,0	kg	*12.050	*12.050	18.150	14.850	21.700	17.800	*24.200	21.600	*27.750	26.950	*33.550	*33.550
	0,0	kg	*13.250	13.150	17.450	14.150	20.600	16.700	24.800	20.000	30.750	24.650	*39.350	31.550
	-3,0	kg	*15.700	14.450			20.050	16.200	24.000	19.250	29.700	23.650	38.750	30.400
	-6,1	kg	*21.500	18.300					24.400	19.650	30.000	23.950	*37.400	30.850
Heavy Lift: OFF	9,1	kg	*10.650	*10.650										
	6,1	kg	*10.500	*10.500	*16.650	15.650	*17.250	*17.250						
5,7 m	3,0	kg	*10.900	*10.900	*17.900	14.850	*19.300	17.800	*21.400	*21.400	*24.600	*24.600	*29.750	*29750
	0,0	kg	*12.000	*12.000	17.450	14.150	20.600	16.700	*24.050	20.000	*28.300	24.650	*34.850	31.550
	-3,0	kg	*14.250	*14.250			20.050	16.200	24.000	19.250	*29.600	23.650	*36.100	30.400
	-6,1	kg	*19.500	18.300					*22.350	19.650	*27.150	23.950	*33.000	30.850

Arm length	A		12,2		10,7		9,1		7,6		6,1		4,6	
	B													
Lifting mode: ON	9,1	kg	*21.000	*21.000			*28.700	*28.700						
	6,1	kg	*20.100	*20.100	27.800	22.950	*30.800	29.250	*34.900	*34.900	*42.200	*42.200		
3,4 m	3,0	kg	*21.050	19.800	26.750	21.950	33.550	27.350	*41.500	35.300				
	0,0	kg	*24.250	20.600	26.050	21.250	32.200	26.050	41.950	33.450	*55.350	46.300		
	-3,0	kg	*28.450	25.300			*30.450	26.250	*38.700	33.450	*47.850	46.650	*59.200	*59.200
	-6,1	kg												
Heavy Lift: OFF	9,1	kg	*19.100	*19.100			*25.800	*25.800						
	6,1	kg	*18.300	*18.300	*25.450	22.950	*27.600	*27.600	*31.350	*31.350	*37.950	*37.950		
3,4 m	3,0	kg	*19.150	*19.150	26.750	21.950	*30.850	27.350	*37.100	35.300				
	0,0	kg	*22.050	20.600	26.050	21.250	*32.050	26.050	*39.000	33.450	*49.350	46.300		
	-3,0	kg	*25.250	*25.250			*27.050	26.250	*34.400	33.450	*42.550	*42.550	*52.550	*52.550
	-6,1	kg												

* Load is limited by hydraulic capacity rather than tipping.
Ratings are based on SAE Standard No. 10567.
Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.
Lifting capacity stated is based on lifting with bare arm. When lifting with additional equipment installed to the arm, please subtract the weight of all additional equipment from the values stated.

Standard and Optional Equipment

PC1250-11

ENGINE	
Komatsu SAA6D170E-7 turbocharged common rail direct injection diesel engine	●
Automatic engine warm-up system	●
Auto-deceleration function	●
Adjustable idle shutdown	●
Dry type air cleaner, double element	●
Fuel pre-filter with water separator	●
Variable speed cooling fan, hydraulic drive, reversible	●
Battery disconnect switch	●
Circuit breaker	●
Lever lock auto-lock	●
Alternator 24 V / 90 A	●
Starter motor 2 × 24 V / 11 kW	●
Batteries 2 × 12 V / 220 Ah	●

HYDRAULIC SYSTEM	
2 speed travel with auto shift	●
3-mode system (Power plus, Power, Economy)	●
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 filters	●
Pressure Proportional Control (PPC) hydraulic control system	●
Shockless control system for boom	●
Two-mode setting for boom	●

UNDERCARRIAGE	
Carrier rollers, 3 (Each side)	●
Hydraulic track adjusters (Each side)	●
Track rollers, 8 (Each side)	●
Track shoes, 700 mm double grouser	●
Strengthened revolving frame underguards	●
Track frame undercovers (Centre)	●
Track guiding guards (Each side)	●
Travel motor guards	●
Track roller guard (Full length)	○
Shoes: 1.000 mm double grouser	○

CABIN	
Cab with fixed type front window	●
Heated, high-back air-suspended seat	●
12 Volt power supply	●
Automatic climate control system, with defroster	●
AM/FM radio	●
Auxiliary input (3,5 mm jack)	●
Engine shut down secondary switch	●
KomVision	●
Large high resolution LCD color monitor	●
Lock lever	●
Mirrors (RH,LH)	●
Rear & side view monitor system	●
Washable cab floor mat	●
Seat belt, 78 mm	●
Cab guards: Bolt-on top guard, OPG Level 2 (ISO 10262)	●
Cab guards: Full front guard, OPG Level 2 (ISO 10262)	○

WORK EQUIPMENT	
Arms (Backhoe):	
3.400 mm HD arm assembly	○
3.400 mm SP arm assembly	○
4.500 mm HD arm assembly	○
5.700 mm arm assembly	○
Booms (Backhoe):	
7.800 mm SP boom assembly	○
9.100 mm boom assembly	○

LIGHTING SYSTEM	
Working lights: 2 boom, 2 cab roof, 1 right front	●
Walkthrough light	●
Step light with timer	●
Rear working light (LED)	○

OTHER EQUIPMENT	
Counterweight, 16.700 kg	●
Electric priming pump for fuel	●
Equipment Management Monitoring System	●
General tool kit	●
Grease gun, air pump	●
Hand rails & guard rails	●
Horn, air	●
KOMTRAX Plus	●
One-touch engine oil drainage	●
Preventive Maintenance (PM) tune-up service connector	●
Rear reflectors	●
Seat belt indicator	●
Slip-resistant plates	●
Travel alarm	●
Vandalism protection locks	●
Wide catwalk	●
Radiator and oil cooler dustproof net	●
Emergency stop SW, 3 (inside Cab, LH catwalk, RH deck)	●
Hydraulically operated stairway	●
Automatic greasing system (Lincoln 18L)	○
Beacon, 2 (Cab top, C/W top)	○
Coolant heater	○
Engine oil pan heater	○
Fuel quick charge system	○
Horn interconnected with warning light	○

Further equipment on request

● standard equipment
○ optional equipment

Your Komatsu partner:

Komatsu Europe International N.V.
Mechelsesteenweg 586
B-1800 VILVOORDE (BELGIUM)
Tel. +32-2-255 24 11
Fax +32-2-252 19 81
www.komatsu.eu

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