

KOMATSU

PC1250-8 PC1250SP-8

ENGINE POWER
515 kW / 691 HP @ 1.800 rpm

OPERATING WEIGHT
Backhoe: 106.500-110.700 kg
Loading shovel: 110.900 kg

PC
1250

HYDRAULIC EXCAVATOR



PC1250/SP-8

WALK-AROUND

Productivity features

- **Heavy lift mode**
The heavy lift mode increases the lifting force by 10%.
- **Large digging force**
High operating efficiency with large digging force at rugged work sites.
- **Two-mode setting for the boom**
Switch selection allows either powerful digging or smooth boom operation.
- **Two powerful swing motors**
provide excellent swing performance on slopes.
- **Large drawbar pull and steering force**
provide excellent mobility.
- **Swing priority mode**
The swing priority mode improves efficiency for loading dump trucks.
- **Shockless boom**
Switch selection reduces chassis vibration after sudden stops.

Excellent reliability and durability

- **Strengthened quarry bucket**
provides outstanding wear resistance (option).
- **Kmax bucket teeth**
offer superior penetration and long-term sharpness (option).
- **Fuel pre-filter with water separator**
equipped as standard.
- **Face seals**
with excellent sealing performance are used for the hydraulic hoses.
- **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.

Easy maintenance

- Reverse rotation function of fan allows easier cleaning of radiator
- Optimised engine checkpoint locations
- Large handrail, step and catwalk provide easy access to the engine and hydraulic equipment
- Extreme durable anti slip plates for safe access



- **Highly reliable electronic devices**
Exclusively designed electronic devices are certified by severe testing.
 - Controller
 - Sensors
 - Connectors
 - Heat-resistant wiring
- **Boom foot hoses**
are arranged under the boom foot, improving hose life and safety.

Ecology and economy features

- Engine meets EU Stage IIIA/EPA Tier 3 emissions regulations
- Electronically controlled EGR system
- Reduced NOx emissions
- Variable speed electronic controlled fan
- Four level Economy mode allows optimum combination of fuel economy and production
- Reduced noise levels

ENGINE POWER

515 kW / 691 HP @ 1.800 rpm

OPERATING WEIGHTBackhoe:
106.500-110.700 kgLoading shovel:
110.900 kg**Large, comfortable cab**

- Low noise and vibration with cab damper mounting
- Automatic climate control system
- Pressurised cab prevents external dust from entering
- OPG top guard (ISO 10262 level 2)
- OPG front guard (ISO 10262 level 2) (optional)

**Advanced monitor features**

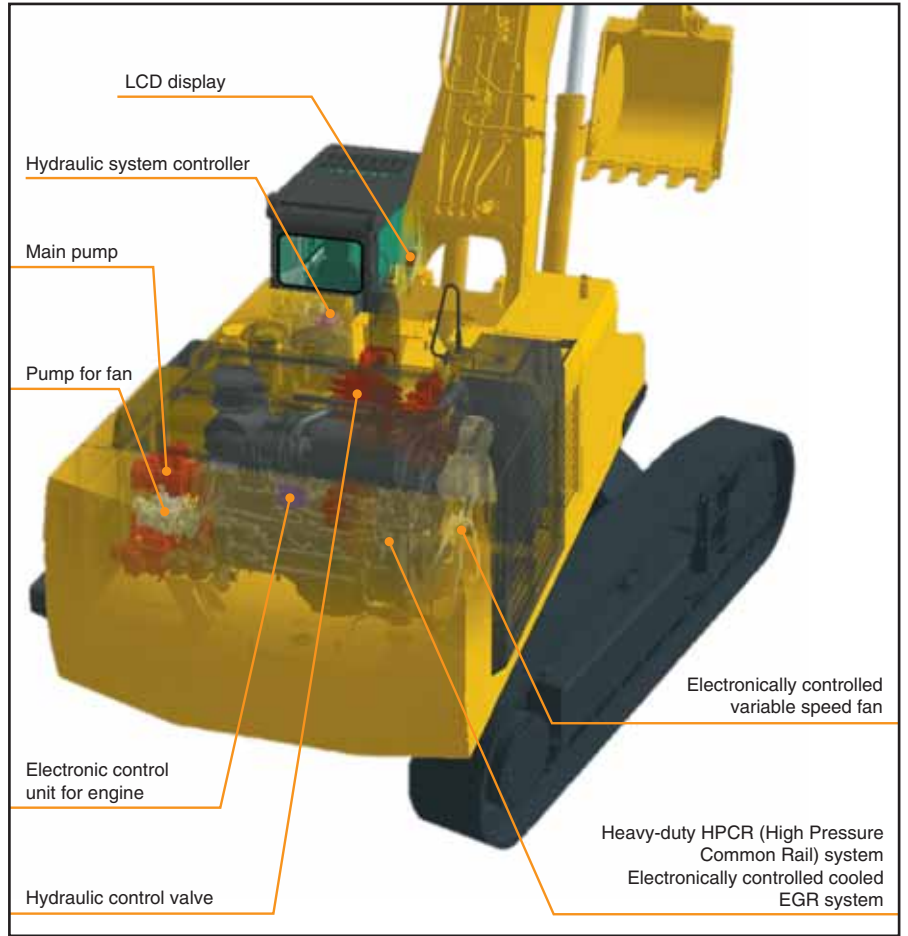
- Machine condition can be checked with Equipment Management and Monitoring System (EMMS)
- Two working modes combine with "Heavy Lift" mode for maximum productivity

ECOLOGY & ECONOMY FEATURES



Reliable components

All of the major machine components (such as the engine, hydraulic pump, hydraulic motor and control valves) are designed and manufactured by Komatsu. This guarantees that each component is expressly built for the class and model of machine. This ensures that the engineering, manufacturing standards and testing that go into each component are 'totally Komatsu'.



Engine

The PC1250-8 gets its exceptional power and work capacity from its Komatsu SAA6D170E-5 engine. The output is 515 kW (691 HP). Using an electronically controlled EGR system, the engine delivers high power with low fuel consumption and meets EU Stage IIIA and EPA Tier III emissions regulations. NOx emission is reduced by 40%.



Electronically controlled variable speed fan

The fan speed is electronically controlled according to actual operating conditions, ensuring maximum deployment of engine power to working, while minimising noise.

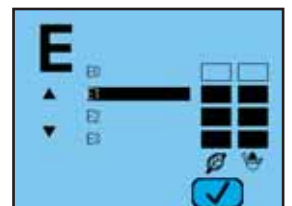


Reduced noise levels

Reduced noise by adoption of an electronically controlled variable speed fan drive, large hybrid fan, low-noise muffler and cover with glasswool.

4-stage Economy mode

allows optimum combination of economy and production.



PRODUCTIVITY FEATURES

Large digging force

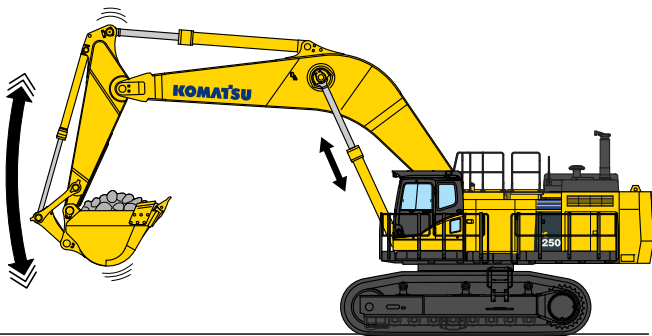
Thanks to the high engine output and an excellent hydraulic system, this machine delivers a powerful digging force.

Bucket digging force: 479 kN (48,8 ton)

Arm crowd force: 412 kN (42,0 ton)

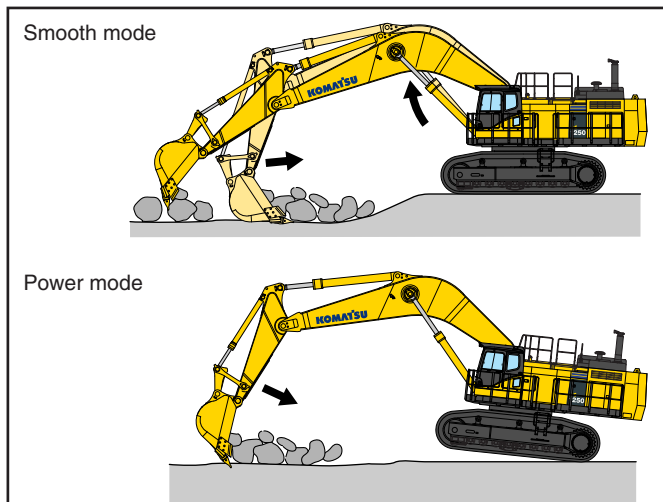
Shockless boom control

The PC1250-8 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.



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 the power mode for more effective excavating.



Large drawbar pull and steering force

Because the machine has a large drawbar pull and a substantial steering force, it provides excellent mobility, even when working on an incline.

Power and Economy mode

The PC1250-8 excavator is equipped with two working modes. Each mode is designed to match the engine speed, pump speed, and system pressure to the current application, giving the operator the flexibility to match the equipment performance to the job at hand.

| Working mode | Advantage |
|---|--|
| P Power mode | <ul style="list-style-type: none"> • Maximum production/power • Fast cycle times |
| E Economy mode (4-stage: E0, E1, E2, E3) | <ul style="list-style-type: none"> • Good cycle times • Good fuel economy |

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 for 90° loading operations. By altering the oil flow, this setting allows you to select either boom or swing as the priority for increased production.



- Power Mode
- Economy Mode
- Heavy Lift Mode
- Swing Priority Mode

OPERATOR ENVIRONMENT

PC1250-8's cab interior is spacious and provides a comfortable working environment...

Large, comfortable cab

Comfortable cab

The new PC1250-8's cab is offering an exceptionally comfortable operating environment. The large cab enables the seat, with headrest, to be reclined to horizontal.

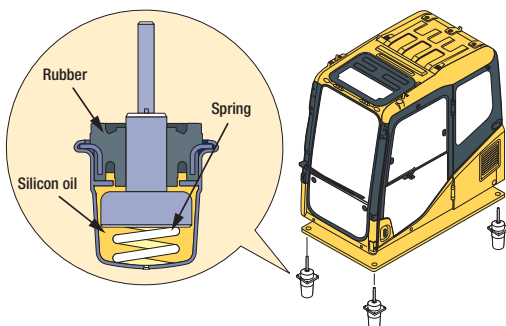
Low-noise design

Noise levels are substantially reduced; engine noise as well as swing and hydraulics operations noise.

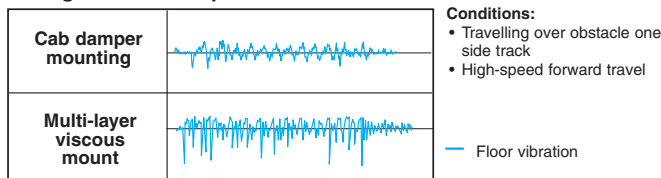
Cab damper mounting for low vibration levels

PC1250-8 uses a new and improved viscous damping cab mount system that incorporates a longer stroke plus an added spring. The new cab damper mounting, combined with strengthened left and right-side decks, aids the reduction of vibrations to the operator's seat. Vibrations at the floor level have been reduced from 120 dB (VL) to 115 dB (VL).

dB (VL) is an index of vibration level. As it increases, vibration increases and operator comfort is reduced.



Riding comfort comparison

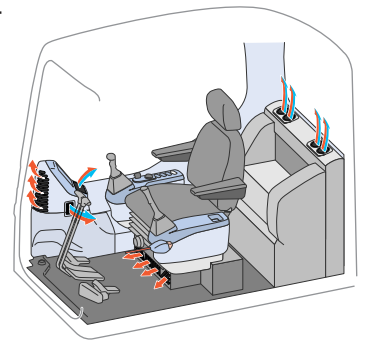


Vertical pitch oscillation on the graph shows the intensity of vibration



Automatic climate control system

A 6.900 kcal air conditioner is utilised. 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.



Pressurised cab

The standard-equipped climate control, air filter and a higher internal air pressure resist dust entry into the cab.

Washable floor

The PC1250-8's floor is easy to keep clean. The gently inclined surface has a flanged floormat and drainage holes to facilitate runoff.





Multi-position controls

The multi-position, proportional pressure control levers allow the operator to work in comfort whilst 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.



Seat sliding range: 340 mm



Cab frame mounted wiper



Bottle holder and magazine rack

Safety features



Step light with timer

Provides light for about one minute to allow the operator to get off the machine safely.



Pump/engine room partition

This prevents hydraulic oil from spraying onto the engine to reduce the risk of fire.

Thermal and fan guards

Are placed around high-temperature parts of the engine. The fan belt and pulleys are well protected.



Anti-slip plates

Highly durable anti-slip plates maintain superior traction performance for the long term.

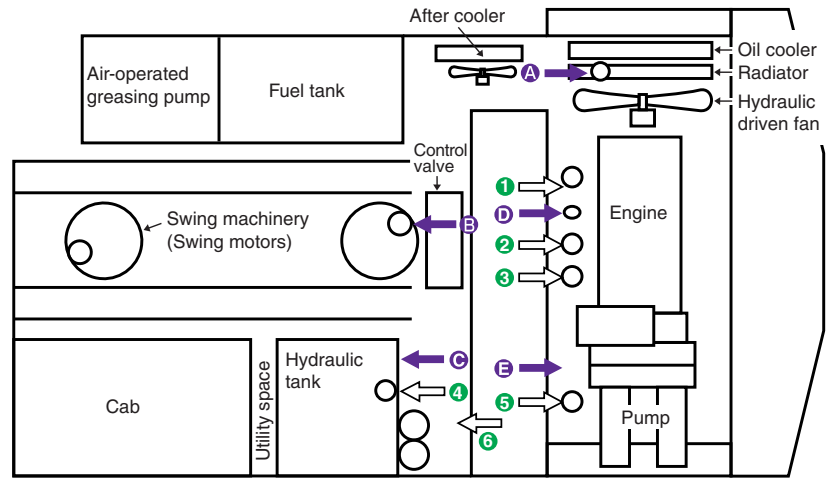
Horn interconnected with warning light (optional)

gives visual and audible notice of the excavator's operation when activated.

EASY MAINTENANCE

Easy service access

A wide centre 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.



- A** Coolant
- B** Swing machinery
- C** Hydraulic tank
- D** Engine oil
- E** PTO case
- 1** Corrosion resistor
- 2** Fuel filter
- 3** Engine oil filter
- 4** Hydraulic drain filter
- 5** Pilot filter
- 6** Return filter

Large handrail, step and cat-walk

Easier, safer operator cab access and maintenance checks.



Easier radiator cleaning

Reverse rotation function of fan allows easier cleaning of the radiator.



Reduced maintenance costs

The hydraulic oil filter replacement has been extended from 500 hours to 1,000 hours. Engine oil and filter replacement has been extended from 250 hours to 500 hours.



5-step dust indicator

Informs in 5 steps prior to air cleaner clogging.



Tool box

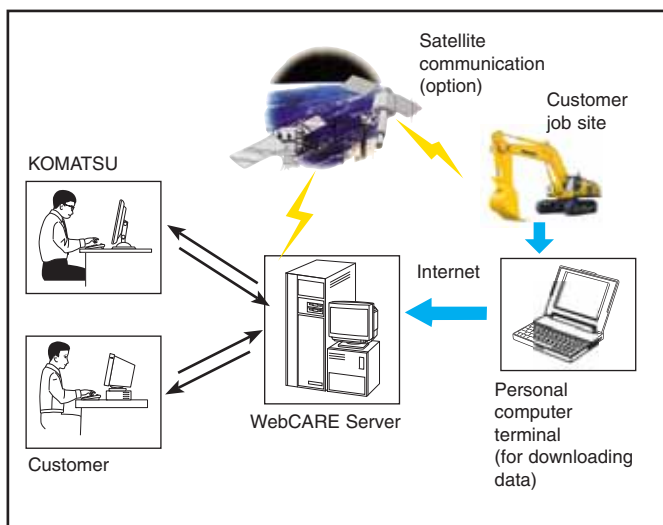
A large tool box provides plenty of space.



Electric priming pump



Bleeding air from fuel system is easily accomplished with the electric priming pump.



KOMTRAX™ Plus (Vehicle Health Monitoring System)

The KOMTRAX™ Plus controller monitors the health conditions of major components and enables analysis of the machine and its operations. The KOMTRAX™ Plus controller monitors and stores all data received from the engine and transmission controller and various additional sensors on the major components. This way, it's possible to record the evolution of the machine's health condition. This data can be downloaded via a portable computer or via satellite communication (option). In both cases, customers and Komatsu specialists can analyse this downloaded data and follow up trends in the machine's condition. When using the optional satellite communications, the Komatsu specialist can inform you whenever an abnormal condition occurs. This way, repair and maintenance costs can be optimised, and maximum machine availability can be maintained.

EMMS (Equipment Management and Monitoring System)

- Monitor function: The controller monitors the engine oil level, coolant temperature, battery charge, air-filter restriction, and more. The controller finds any abnormality and displays it on the LCD.
- On the LCD, the maintenance monitor function informs of the need to replace the oil and filters, when the replacement interval is reached.
- The trouble data memory function stores machine abnormalities (error codes) in the monitor for effective troubleshooting.



RELIABILITY FEATURES

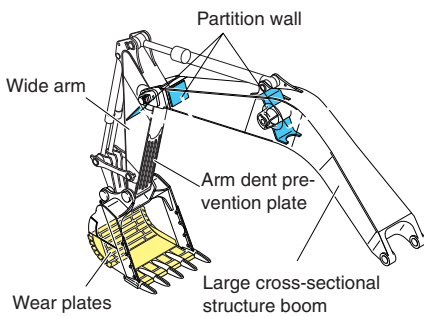
Boom foot hoses

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



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 provide excellent durability and are highly resistant to bending and twisting.



Fuel pre-filter (with water separator)

Removes water and contaminants from fuel to enhance the fuel system reliability.



High pressure In-line filtration

The PC1250-8 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 failure caused by contamination.



Metal guard rings

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

O-ring face seals

The hydraulic hose seal method has been changed from a conventional taper seal to an O-ring seal. This provides improved sealing performance during vibration.

Heat-resistant wiring

Heat-resistant wiring is utilised for the engine's electric circuit and other major component circuits.



Circuit breaker

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

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 against damage from rocks.



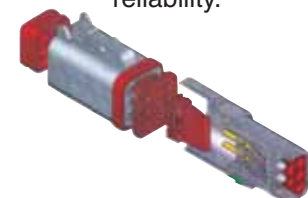
Full length track roller guards (option)

Tough strengthened frame structure

Strengthened revolving frame, centre frame and crawler frame endure heavy-duty works and exhibit their excellent durability.

DT-type connectors

seal tight and have higher reliability.



SERVICEABILITY AND CUSTOMER SUPPORT

The Komatsu dealer network guarantees you the lowest operating costs

When you purchase Komatsu equipment, you gain access to a broad range of programmes and services that have been designed to help you get the most from your investment. These all support substantial productivity, long and useful equipment lifetime, low operating costs, and a high trade-in or resale value.

- Many of the vital components in the PC1250-8 have been installed and proven totally reliable in other heavy-duty Komatsu earthmoving equipment.
- Komatsu's extensive parts warehouses and logistics system across Europe and around the globe ensure unparalleled parts availability.
- Continuous training programmes for Komatsu service personnel guarantee that your equipment is serviced properly and maintained in top running condition.
- The Komatsu Oil Wear Analysis (KOWA) programme offers sophisticated oil analysis to identify problems to be followed up during preventative, scheduled maintenance.
- KFWP (Komatsu's Flexible Warranty Programme) is available, providing a range of extended warranty options on the machine and its components. These can be chosen, based on individual needs and activities. This programme is designed to help reduce total operating costs.
- A Komatsu Repair & Maintenance Contract is a way to establish a fixed operating cost and ensure optimal machine availability for the duration of the contract.



SPECIFICATIONS



ENGINE

Model.....Komatsu SAA6D170E-5
 Type..... Common rail direct injection, water-cooled, cooled EGR, turbocharged, after-cooled diesel
 Engine power
 at rated engine speed 1.800 rpm
 ISO 14396..... 515 kW / 691 HP
 ISO 9249 (net engine power)..... 502 kW / 673 HP
 No. of cylinders..... 6
 Bore x stroke 170 x 170 mm
 Displacement..... 23,15 ltr
 Fan drive type..... Hydraulic



HYDRAULIC SYSTEM

Type..... Open-centre load-sensing system
 Number of selectable working modes 2
 Main pump..... Variable capacity piston pump
 Pumps for Boom, arm, bucket, swing, and travel circuits
 Maximum pump flow:
 Travel 2 x 494 ltr/min
 Swing 600 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 settings Implement circuits
 Implement circuits..... 320 kg/cm²
 Travel circuit..... 350 kg/cm²
 Swing circuit..... 275 kg/cm²
 Pilot circuit..... 30 kg/cm²
 Hydraulic cylinders (no. of cylinders – bore x stroke):
 Backhoe
 Boom 2 – 225 mm x 2.390 mm
 Arm 1 – 250 mm x 2.435 mm
 Bucket PC1250-8..... 2 – 160 mm x 1.825 mm
 Bucket PC1250SP-8 2 – 160 mm x 1.950 mm
 Loading shovel
 Boom 2 – 225 mm x 1.960 mm
 Arm 2 – 185 mm x 1.765 mm
 Bucket..... 2 – 200 mm x 1.700 mm
 Bottom dump 2 – 160 mm x 435 mm



OPERATING WEIGHT (APPR.)

Operating weight, including boom, arm, bucket, operator, lubricant, coolant, full fuel tank and the standard equipment.
 PC1250SP-8: + full length roller guard



DRIVES AND BRAKES

Steering control 2 levers with pedals
 Drive method Fully hydrostatic
 Travel motor..... Axial piston motor, in-shoe design
 Reduction system Planetary double reduction
 Max. drawbar pull 686 kN/70.000 kgf
 Gradeability 70%
 Max. travel speeds
 Lo / Hi 2,1 / 3,2 km/h
 Service brake Hydraulic lock



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



COOLANT AND LUBRICANT CAPACITY (REFILLING)

Fuel tank..... 1.360 ltr
 Radiator 142 ltr
 Engine oil..... 86 ltr
 Swing drive 2 x 24,3 ltr
 Hydraulic tank..... 670 ltr
 Final drive (each side) 21 ltr
 PTO case 13,5 ltr



SWING SYSTEM

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



ENVIRONMENT

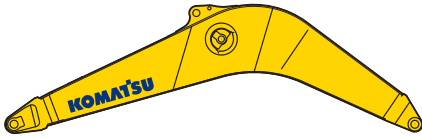
Vibration levels (EN 12096:1997)*
 Hand/arm ≤ 2,5 m/s² (uncertainty K = 0,41 m/s²)
 Body..... ≤ 0,5 m/s² (uncertainty K = 0,20 m/s²)
 * for the purpose of risk assessment under directive 2002/44/EC, please refer to ISO/TR 25398:2006.

| | BACKHOE | | | | LOADING SHOVEL | |
|----------------------|--|-------------------------|--|-------------------------|--|-------------------------|
| | PC1250-8 | | PC1250SP-8 | | PC1250SP-8 | |
| Work equipment | 9,1 m boom / 3,4 m arm / 5,0 m ³ bucket (SAE) | | 7,8 m boom / 3,4 m arm / 6,7 m ³ bucket (SAE) | | 5,3 m boom / 3,8 m arm / 6,5 m ³ bucket (SAE) | |
| Double grouser shoes | Operating weight | Ground pressure | Operating weight | Ground pressure | Operating weight | Ground pressure |
| 700 mm | 106.500 kg | 1,39 kg/cm ² | 110.700 kg | 1,44 kg/cm ² | 110.900 kg | 1,45 kg/cm ² |
| 1.000 mm | 108.810 kg | 0,99 kg/cm ² | - | - | - | - |

TRANSPORT DIMENSIONS

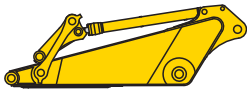
| | Work equipment assembly weight |
|------------|--------------------------------|
| PC1250-8 | 25,3 ton |
| PC1250SP-8 | 27,7 ton |

BOOM



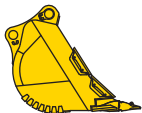
| | Weight | Dimension |
|------------|----------|--------------------------|
| PC1250-8 | 11,2 ton | 9.475 × 2.894 × 1.474 mm |
| PC1250SP-8 | 11,1 ton | 8.170 × 3.095 × 1.474 mm |

ARM



| | Weight | Dimension |
|--------------------|---------|------------------------|
| PC1250-8 | 5,9 ton | 4.895 × 1.626 × 890 mm |
| Heavy Duty version | 6,2 ton | 4.895 × 1.626 × 890 mm |
| PC1250SP-8 | 6,4 ton | 4.914 × 1.683 × 890 mm |

BUCKET



| | Weight | Dimension |
|--------------------|---------|--------------------------|
| PC1250-8 | 4,3 ton | 2.700 × 2.100 × 2.050 mm |
| Heavy Duty version | 5,5 ton | 2.580 × 2.276 × 2.250 mm |
| PC1250SP-8 | 6,3 ton | 2.527 × 2.420 × 2.520 mm |

ARM CYLINDER



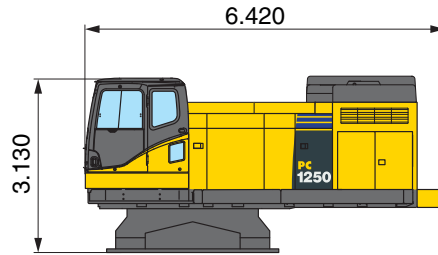
| | |
|--------|----------|
| Length | 3.950 mm |
| Weight | 1,5 ton |

BOOM CYLINDERS



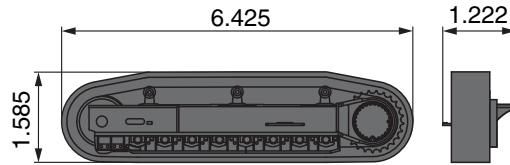
| | |
|--------|-----------------------|
| Length | 3.810 mm |
| Weight | 2,4 ton (2 × 1,2 ton) |

UPPER STRUCTURE



| | |
|--------|----------|
| Width | 3.490 mm |
| Weight | 36,4 ton |

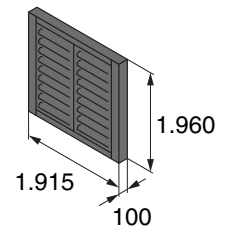
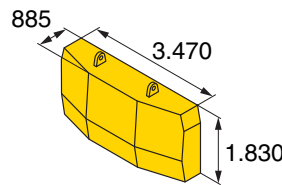
UNDERCARRIAGE



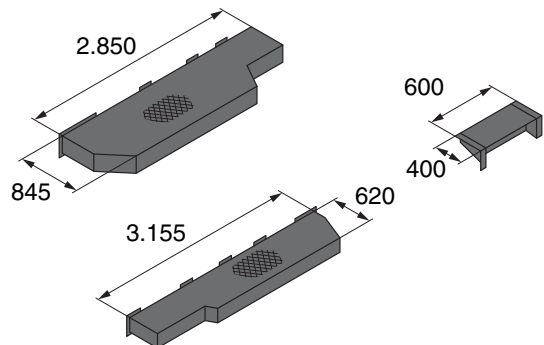
| | |
|---|-----------------------------|
| Weight | 30 ton (2 × 15 ton) |
| Weight (with full length track roller guard) | 30,9 ton (2 × 15,45 ton) |

OTHERS

| | |
|--------|----------|
| Weight | 18,4 ton |
|--------|----------|



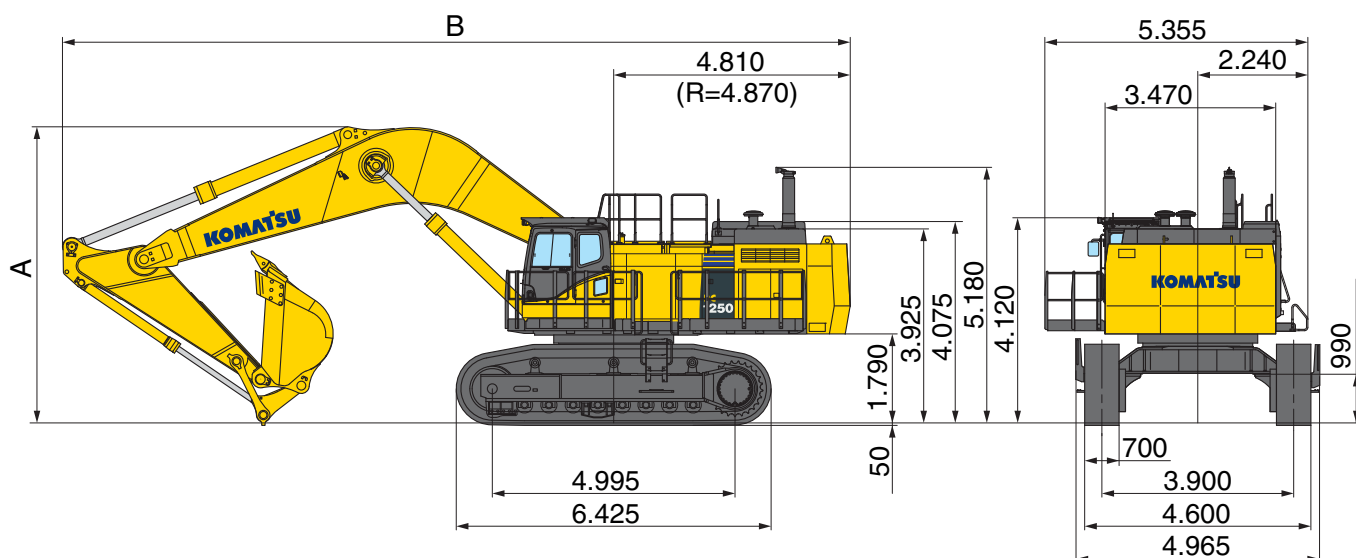
| | |
|--------|----------|
| Weight | 18,0 ton |
|--------|----------|



Specifications including 9.100 mm boom, 3.400 mm arm, 5,0 m³ bucket, 700 mm double grouser shoes

MACHINE DIMENSIONS

BACKHOE



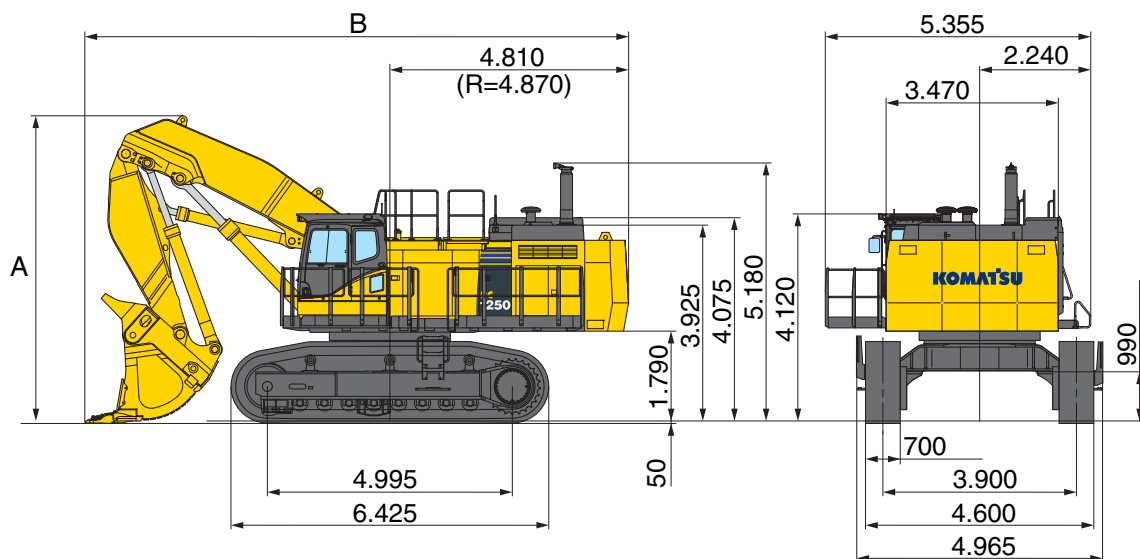
| MACHINE DIMENSIONS | | PC1250-8 | | | PC1250SP-8 |
|--------------------|----------------|-----------|-----------|-----------|------------|
| Boom | | 9,1 m | | | 7,8 m |
| Arm | | 3,4 m | 4,5 m | 5,7 m | 3,4 m |
| A | Overall height | 6.040 mm | 6.460 mm | 6.990 mm | 6.265 mm |
| B | Overall length | 16.020 mm | 16.050 mm | 15.840 mm | 14.790 mm |

| BUCKET AND ARM FORCE | | PC1250-8 | | | PC1250SP-8 |
|----------------------------|--|-------------------|-------------------|-------------------|-------------------|
| Boom | | 9,1 m | | | 7,8 m |
| Arm | | 3,4 m | 4,5 m | 5,7 m | 3,4 m |
| Bucket digging force (SAE) | | 422 kN/43.000 kgf | 422 kN/43.000 kgf | 343 kN/35.000 kgf | 502 kN/51.200 kgf |
| Arm crowd force (SAE) | | 392 kN/40.000 kgf | 327 kN/33.300 kgf | 281 kN/28.700 kgf | 395 kN/40.300 kgf |
| Bucket digging force (ISO) | | 479 kN/48.800 kgf | 479 kN/48.800 kgf | 389 kN/39.700 kgf | 570 kN/58.100 kgf |
| Arm crowd force (ISO) | | 412 kN/42.000 kgf | 337 kN/34.400 kgf | 286 kN/29.200 kgf | 412 kN/42.000 kgf |

| MAX. BUCKET CAPACITY AND WEIGHT | | | | | | |
|--|---------------------|----------|---------------------|----------|---------------------|----------|
| PC1250-8 / 9,1 m MONO BOOM | | | | | | |
| Arm length | 3,4 m | | 4,5 m | | 5,7 m | |
| Material weight up to 1,2 t/m ³ | 8,36 m ³ | 6.200 kg | 7,03 m ³ | 5.550 kg | 4,91 m ³ | 4.475 kg |
| Material weight up to 1,5 t/m ³ | 7,10 m ³ | 5.575 kg | 5,98 m ³ | 5.025 kg | 4,18 m ³ | 4.125 kg |
| Material weight up to 1,8 t/m ³ | 6,17 m ³ | 5.125 kg | 5,20 m ³ | 4.625 kg | 3,63 m ³ | 3.850 kg |
| PC1250SP-8 / 7,8 m MONO BOOM | | | | | | |
| Arm length | 3,4 m | | - | | - | |
| Material weight up to 1,2 t/m ³ | 9,93 m ³ | 8.075 kg | | | | |
| Material weight up to 1,5 t/m ³ | 8,43 m ³ | 7.350 kg | | | | |
| Material weight up to 1,8 t/m ³ | 7,32 m ³ | 6.800 kg | | | | |

Max. capacity and weight have been calculated according to EN474-5:2006+A1:2009. Please consult with your distributor for the correct selection of buckets and attachments to suit the application.

LOADING SHOVEL



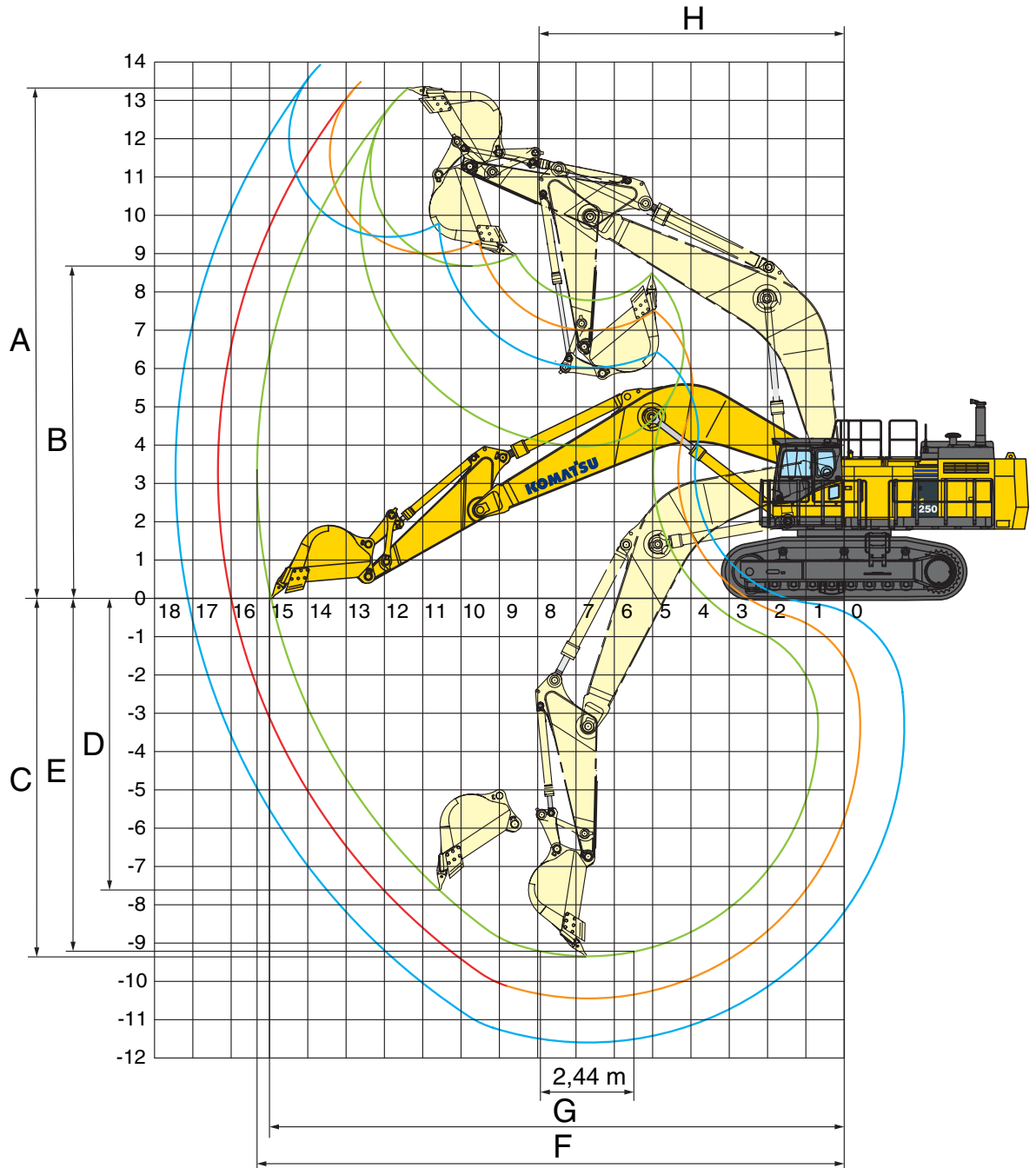
| MACHINE DIMENSIONS WITH 6,5 m ³ BOTTOM DUMP BUCKET | | |
|---|----------------|-----------|
| A | Overall height | 6.200 mm |
| B | Overall length | 10.940 mm |

| BUCKET AND ARM FORCE | |
|----------------------------|-------------------|
| Bucket digging force (ISO) | 579 kN/59.000 kgf |
| Arm crowd force (ISO) | 608 kN/62.000 kgf |

| BUCKET SELECTION | |
|-------------------------------------|-------------------------------------|
| Bucket type | Bottom dump |
| Bucket capacity (heaped) (ISO 7451) | 6,5 m ³ |
| Bucket width (incl. side shrouds) | 2.700 mm |
| Bucket weight | 9.730 kg |
| No. of teeth | 6 |
| Recommended uses | General purpose digging and loading |

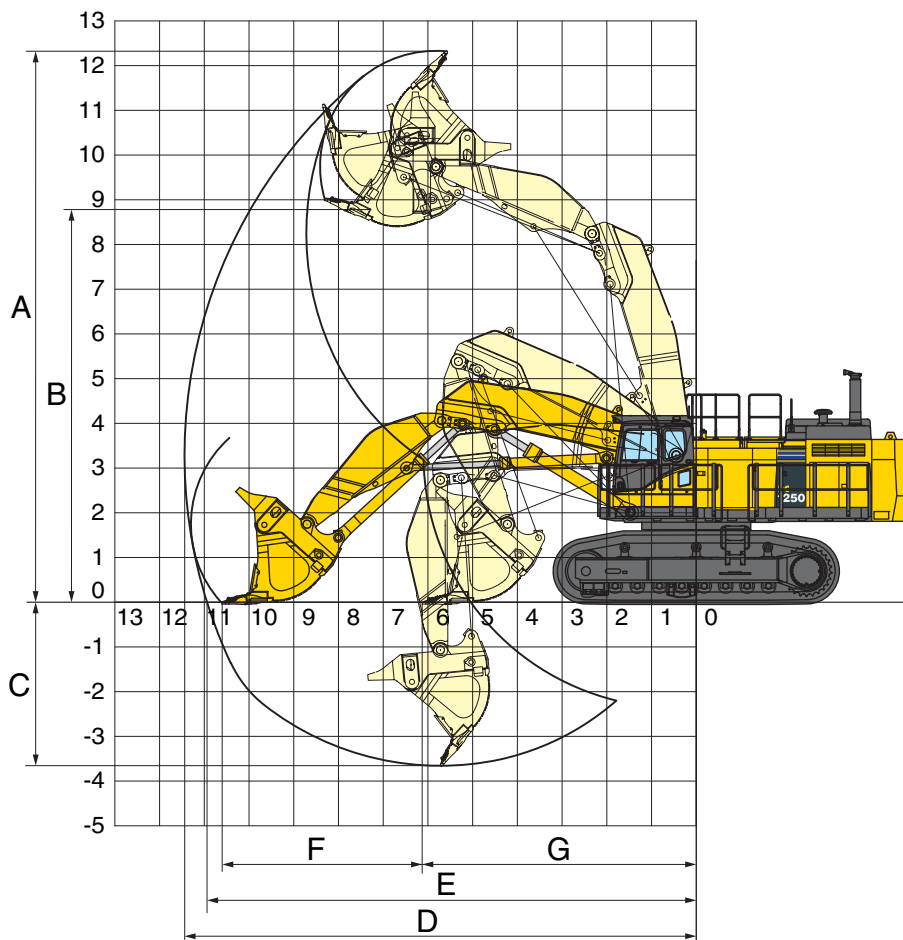
WORKING RANGE

BACKHOE



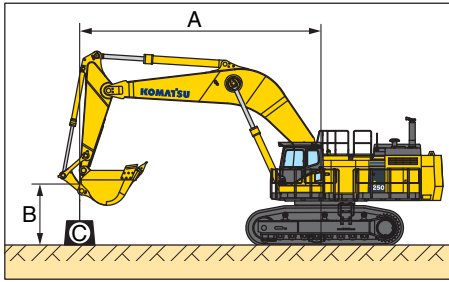
| ARM LENGTH | | 3,4 m | 4,5 m | 5,7 m | 3,4 m |
|------------|--|--------------------------|-----------|-----------|----------------------------|
| | | PC1250-8 (9,1 m boom) | | | PC1250SP-8 (7,8 m boom) |
| A | Max. digging height | 13.400 mm | 13.490 mm | 13.910 mm | 13.000 mm |
| B | Max. dumping 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 2,44 m 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 |

LOADING SHOVEL



| ARM LENGTH | | 3,8 m |
|------------|------------------------------------|--|
| | | PC1250SP-8 (5,3 m boom / 6,5 m ³ bottom dump bucket) |
| 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 |

LIFTING CAPACITY



PC1250-8

Boom: 9,1 m
 Arm: 3,4 m
 Bucket capacity: 5,0 m³
 Bucket weight: 4.400 kg
 Track shoes: 700 mm

A – Reach from swing centre

B – Bucket hook height

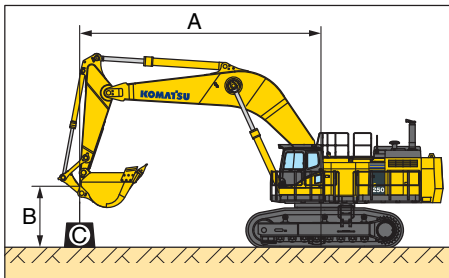
C – Lifting capacity

– Rating over front

– Rating over side

– Rating at maximum reach

| Arm length | A | | | 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 | *18.000 | | | | | | | | |
| | 6,1 m | kg | *15.950 | 13.200 | | | *20.050 | 17.400 | *22.950 | *22.950 | *27.900 | *27.900 | | | | |
| | 3,0 m | kg | 15.650 | 11.850 | 16.400 | 12.500 | 20.850 | 16.100 | 27.000 | 20.850 | *34.950 | 27.650 | | | | |
| | 0,0 m | kg | 16.250 | 12.300 | | | 19.950 | 15.200 | 24.200 | 18.200 | 34.400 | 26.100 | | | | |
| | -3,0 m | kg | 19.950 | 15.250 | | | 20.000 | 15.250 | 25.600 | 19.550 | 34.600 | 26.300 | *43.850 | 38.400 | *39.250 | *39.250 |
| | -6,1 m | kg | *23.500 | *23.500 | | | | | | | *25.400 | *25.400 | *32.550 | *32.550 | | |
| Heavy Lift: OFF | 9,1 m | kg | *15.200 | *15.200 | | | *15.500 | *15.500 | | | | | | | | |
| | 6,1 m | kg | *15.850 | 13.200 | | | *17.300 | *17.300 | *19.950 | *19.950 | *24.400 | *24.400 | | | | |
| | 3,0 m | kg | 15.650 | 11.850 | 16.400 | 12.500 | *19.800 | 16.100 | *23.900 | 20.850 | *30.550 | 27.650 | | | | |
| | 0,0 m | kg | 16.250 | 12.300 | | | 19.950 | 15.200 | 24.200 | 18.200 | *32.650 | 26.100 | | | | |
| | -3,0 m | kg | *19.600 | 15.250 | | | *19.650 | 15.250 | *24.750 | 19.550 | *30.750 | 26.300 | *38.350 | *38.350 | *39.250 | *39.250 |
| | -6,1 m | kg | *20.150 | *20.150 | | | | | | | *21.900 | *21.900 | *28.150 | *28.150 | | |



PC1250-8

Boom: 9,1 m
 Arm: 4,5 m
 Bucket capacity: 4,0 m³
 Bucket weight: 3.800 kg
 Track shoes: 700 mm

A – Reach from swing centre

B – Bucket hook height

C – Lifting capacity

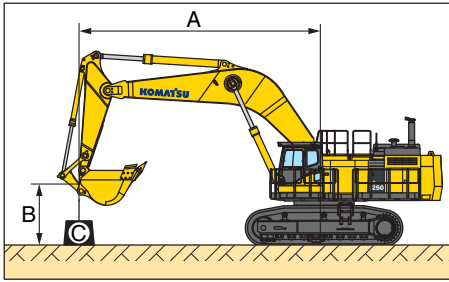
– Rating over front

– Rating over side

– Rating at maximum reach

| Arm length | A | | | 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 | | | | | | | | | | | | |
| | 6,1 m | kg | *9.650 | *9.650 | *16.650 | 13.700 | *18.150 | 18.000 | *20.550 | *20.550 | | | | | | |
| | 3,0 m | kg | *10.950 | 10.200 | 16.650 | 12.750 | 21.200 | 16.400 | *25.600 | 21.300 | *32.350 | 28.500 | | | | |
| | 0,0 m | kg | *13.650 | 10.400 | 15.850 | 11.950 | 19.900 | 15.150 | 24.550 | 18.500 | 34.450 | 26.100 | *29.300 | *29.300 | | |
| | -3,0 m | kg | 16.400 | 12.400 | | | 19.550 | 14.800 | 25.100 | 19.050 | 34.000 | 25.700 | *46.350 | 37.500 | *31.900 | *31.900 |
| | -6,1 m | kg | *21.750 | 18.700 | | | | | *23.650 | 20.000 | *28.850 | 25.200 | *38.200 | *38.200 | *48.900 | *48.900 |
| Heavy Lift: OFF | 9,1 m | kg | *9.300 | *9.300 | | | | | | | | | | | | |
| | 6,1 m | kg | *9.650 | *9.650 | *14.250 | 13.700 | *15.600 | *15.600 | *17.850 | *17.850 | | | | | | |
| | 3,0 m | kg | *10.950 | 10.200 | *16.050 | 12.750 | *18.500 | 16.400 | *22.250 | 21.300 | *28.250 | *28.250 | | | | |
| | 0,0 m | kg | *13.650 | 10.400 | 15.850 | 11.950 | 19.900 | 15.150 | *24.200 | 18.500 | *31.950 | 26.100 | *29.300 | *29.300 | | |
| | -3,0 m | kg | 16.400 | 12.400 | | | 19.550 | 14.800 | 25.100 | 19.050 | *31.650 | 25.700 | *40.550 | 37.500 | *31.900 | *31.900 |
| | -6,1 m | kg | *18.650 | 18.650 | | | | | *20.300 | 20.000 | *24.800 | 24.800 | *33.200 | *33.200 | *42.600 | *42.600 |

* Load is limited by hydraulic capacity rather than tipping.
 Ratings are based on SAE Standard No. J10567.
 Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.



PC1250-8

Boom: 9,1 m
 Arm: 5,7 m
 Bucket capacity: 3,4 m³
 Bucket weight: 3.600 kg
 Track shoes: 700 mm

A – Reach from swing centre

B – Bucket hook height

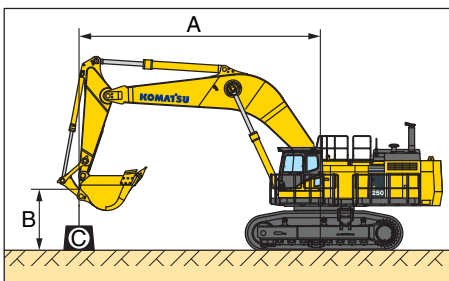
C – Lifting capacity

– Rating over front

– Rating over side

– Rating at maximum reach

| Arm length | B | A | | 13,7 m | | 12,2 m | | 10,7 m | | 9,1 m | | 7,6 m | | 6,1 m | | |
|---------------------|--------|----|---------|--------|---------|--------|---------|---------|---------|--------|---------|---------|---------|---------|---------|---------|
| | | | | | | | | | | | | | | | | |
| Heavy Lift: ON | 9,1 m | kg | *5.900 | *5.900 | | | | | | | | | | | | |
| | 6,1 m | kg | *6.050 | *6.050 | *11.050 | 10.950 | *14.950 | 14.350 | | | | | | | | |
| | 3,0 m | kg | *6.800 | *6.800 | 13.550 | 10.250 | 17.050 | 13.100 | *19.800 | 16.900 | *23.450 | 22.050 | *29.300 | *29.300 | *39.750 | *39.750 |
| | 0,0 m | kg | *8.400 | *8.400 | 12.850 | 9.600 | 15.950 | 12.050 | 20.100 | 15.300 | 25.900 | 19.800 | 34.800 | 26.450 | *31.200 | *31.200 |
| | -3,0 m | kg | *11.500 | 10.150 | | | 15.500 | 11.600 | 19.300 | 14.600 | 24.850 | 18.800 | 33.600 | 25.300 | *47.600 | 36.800 |
| | -6,1 m | kg | 18.600 | 14.100 | | | | | 19.750 | 15.000 | 25.200 | 19.150 | *33.250 | 25.850 | *42.350 | 37.850 |
| Heavy Lift: OFF | 9,1 m | kg | *5.900 | *5.900 | | | | | | | | | | | | |
| | 6,1 m | kg | *6.050 | *6.050 | *11.050 | 10.950 | *12.700 | *12.700 | | | | | | | | |
| | 3,0 m | kg | *6.800 | *6.800 | *13.350 | 10.250 | *14.850 | 13.100 | *17.050 | 16.900 | *20.300 | *20.300 | *25.550 | *25.550 | *34.850 | *34.850 |
| | 0,0 m | kg | *8.400 | *8.400 | 12.850 | 9.600 | 15.950 | 12.050 | *19.700 | 15.300 | *24.000 | 19.800 | *30.600 | 26.450 | *31.200 | *31.200 |
| | -3,0 m | kg | *11.500 | 10.150 | | | 15.500 | 11.600 | 19.300 | 14.600 | 24.850 | 18.800 | *31.900 | 25.300 | *41.650 | 36.600 |
| | -6,1 m | kg | *16.550 | 14.100 | | | | | *18.050 | 15.000 | *22.950 | 19.150 | *28.850 | 25.850 | *36.900 | *36.900 |



PC1250SP-8

Boom: 7,8 m
 Arm: 3,4 m
 Bucket capacity: 6,7 m³
 Bucket weight: 6.300 kg
 Track shoes: 700 mm

A – Reach from swing centre

B – Bucket hook height

C – Lifting capacity

– Rating over front

– Rating over side

– Rating at maximum reach

| Arm length | B | A | | 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 | *11.700 | *11.700 | | | | *17.050 | *17.050 | | | | | | | |
| | 6,1 m | kg | *12.250 | *12.250 | | | *16.300 | 16.100 | *24.350 | 22.600 | *28.750 | *28.750 | *36.350 | *36.350 | | |
| | 3,0 m | kg | *14.600 | 13.700 | | | 20.150 | 15.300 | 26.950 | 20.750 | *33.850 | 27.000 | *47.450 | 41.150 | | |
| | 0,0 m | kg | 19.300 | 14.550 | | | 19.400 | 14.600 | 25.600 | 19.450 | 31.750 | 23.500 | *48.750 | 38.650 | | |
| | -3,0 m | kg | *23.900 | 19.550 | | | | | *23.950 | 19.550 | *30.750 | 24.850 | *41.450 | 39.250 | *52.450 | *52.450 |
| | -6,1 m | kg | | | | | | | | | | | | | | |
| Heavy Lift: OFF | 9,1 m | kg | *11.700 | *11.700 | | | | *17.050 | *17.050 | | | | | | | |
| | 6,1 m | kg | *12.250 | *12.250 | | | *16.300 | 16.100 | *21.150 | *21.150 | *25.150 | *25.150 | *32.100 | *32.100 | | |
| | 3,0 m | kg | *14.600 | 13.700 | | | 20.150 | 15.300 | *24.450 | 20.750 | *29.450 | 27.000 | *41.750 | 41.150 | | |
| | 0,0 m | kg | 19.300 | 14.550 | | | 19.400 | 14.600 | 25.600 | 19.450 | *29.900 | 23.500 | *42.750 | 38.650 | | |
| | -3,0 m | kg | *20.500 | 19.550 | | | | | *20.550 | 19.550 | *26.450 | 24.850 | *36.100 | *36.100 | *45.800 | *45.800 |
| | -6,1 m | kg | | | | | | | | | | | | | | |

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 Ratings are based on SAE Standard No. J10567.
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HYDRAULIC EXCAVATOR

STANDARD EQUIPMENT

- Komatsu SAA6D170E-5, 515 kW turbocharged common rail direct injection diesel engine, EU Stage IIIA compliant
- Double element type air cleaner with dust indicator and auto-dust evacuator
- Cooling fan: remote hydraulically driven variable speed, reversible
- Radiator & oil cooler with fly net
- Automatic fuel line de-aeration
- Alternator 24 V/60 A
- Batteries 2 × 12 V/220 Ah
- 2 × starter motor 24 V/11 kW
- Electronic Open-centre load sensing (E-OLSS) hydraulic system
- Auto-deceleration function
- Multi-function colour monitor with equipment management monitoring system (EMMS)
- Working mode selection system (power mode, economy mode)
- Heavy lift mode
- 2 mode boom control
- Shockless boom control
- Adjustable PPC wrist control levers with 3 button controls for arm, boom, bucket and swing
- PPC control levers and pedals for steering and travel
- In-line filter for hydraulics
- Hydrostatic, 2-speed travel system with automatic shift and planetary triple reduction final drives, and hydraulic travel and oil disc parking brakes
- Highly pressurised and tightly sealed viscous mounted cab with tinted safety glass windows, front window wiper with intermittent feature, floor mat, cigarette lighter and ashtray, bottle holder & magazine rack
- Automatic climate control system
- Fully adjustable suspension seat with retractable seat belt
- Rearview mirrors, left and right
- Step light with timer
- Working lights, 2 boom, 2 cab roof front, 1 cab bottom
- Automatic swing holding brake
- Corrosion resistor
- Counterweight 18.000 kg
- Track guiding guard (each side)
- Track frame undercover (centre)
- Travel motor guards
- Revolving frame under cover (heavy-duty)
- Machine cab handrails and catwalk
- Horn, air
- Lockable fuel cap and covers
- Audible travel alarm
- One-touch engine oil drainage
- PM service connectors
- Parts book and operator manual
- Standard colour scheme and decals
- Toolkit and spare parts for first service
- 700 mm wide double grouser shoes
- KOMTRAX™ Plus (Vehicle Health Monitoring System)

OPTIONAL EQUIPMENT

- Arms (Backhoe):**
 - 3.400 mm arm assembly
 - 3.400 mm HD arm assembly
 - 3.400 mm SP arm assembly
 - 4.500 mm arm assembly
 - 4.500 mm HD arm assembly
 - 5.700 mm arm assembly
- Arms (Loading shovel):**
 - 3.800 mm arm assembly
- Booms (Backhoe):**
 - 7.800 mm SP boom assembly
 - 9.100 mm boom assembly
- Booms (Loading shovel):**
 - 5.300 mm boom assembly
- Alternator 90 A/24 V
- Automatic greasing system (Lincoln 18 ltr)
- Cab with pull-up type front window
- Grease gun, air pump
- Interconnected horn and flashing light
- Radio
- 1.000 mm wide double grouser shoes
- Full length track roller guards
- Satellite communication system for KOMTRAX™ Plus



**Komatsu Europe
International NV**

Mechelsesteenweg 586
B-1800 VILVOORDE (BELGIUM)
Tel. +32-2-255 24 11
Fax +32-2-252 19 81
www.komatsueurope.com

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