KOMATSU®

HORSEPOWER
Gross: 149 kW 200 HP / 2050 rpm
Net: 140 kW 187 HP / 2050 rpm

OPERATING WEIGHT
PC270-8: 27140 – 28050 kg
59,830 – 61,840 lb
PC270LC-8: 28040 – 29020 kg
61,820 – 63,980 lb

PC270-8
PC270LC-8

ecot3

PC 270

HYDRAULIC EXCAVATOR

Photo may include optional equipment.

WALK-AROUND

Ecology and Economy Features

- ***Low fuel consumption by total control of the engine, hydraulic and electronic system.***
  Reduces fuel consumption by approx. 10%. (Compared with the PC270-7)

- ***Low emission engine***
  A powerful, turbocharged and air-to-air aftercooled Komatsu SAA6D107E-1 provides **140 kW** 187 HP. This engine is U.S. EPA Tier 3 and EU Stage 3A emissions certified, without sacrificing power or machine productivity.
  - Economy mode improves fuel consumption.
  - ECO gauge for energy-saving operations
  - Extended idling caution for fuel conservation

- ***Low operation noise***
  The dynamic noise is lowered by 1 dB compared with the PC270-7, realizing a low noise operation.

- ***Large Drawbar Pull***
  Provides superb steering and slope climbing performance.

See pages 4 and 5.

Large Liquid Crystal Display (LCD) monitor

- Easy-to-see and use 7" large multi-function color monitor
- Can be displayed in 12 languages for global support.

See page 8.

Safety Design

- Cab dedicated to hydraulic excavator for protecting the operator in the event of a roll over accident.
- Slip-resistant plates for safe work on machine
- Safety enhancement with large side-view, sidewise, and rear mirrors added.
- Rear view monitoring system for easy checking behind the machine (Optional)
- ROPS cab (ISO 12117-2)

See page 7.

HORSEPOWER
Gross: 149 kW 149 HP / 2050 rpm
Net: 140 kW 187 HP / 2050 rpm

OPERATING WEIGHT
PC270-8: 27140 – 28050 kg
59,830 – 61,840 lb
PC270LC-8: 28040 – 29020 kg
61,820 – 63,980 lb

BUCKET CAPACITY
1.14 – 1.26 m³
1.49 – 1.65 yd³

Large Comfortable Cab

- Low-noise cab, similar to passenger car
- Low vibration with cab damper mounting
- Highly pressurized cab with optional air conditioner
- Operator seat and console with armrest that enables operations in the appropriate operational posture

See page 6.

Easy Maintenance

- Long replacement interval of engine oil, engine oil filter, and hydraulic filter
- Remote mounted engine oil filter and fuel drain valve for easy access
- Equipped with the fuel pre-filter as standard (With water separator)
- Side-by-side cooling concept enables individual cooling modules to be serviced.
- Equipped with the equipment manegement monitoring system

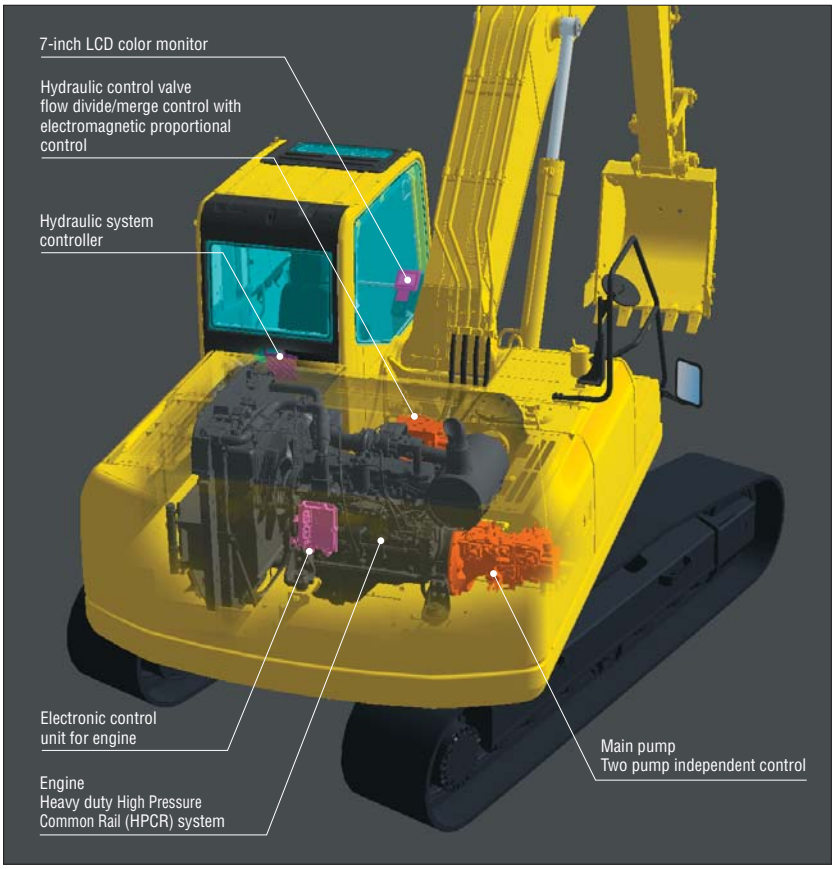
See page 9.

Photo may include optional equipment.

ECOLOGY & ECONOMY FEATURES

Komatsu Technology

Komatsu develops and produces all major components, such as engines, electronics and hydraulic components, in house.
With this “Komatsu Technology,” and adding customer feedback, Komatsu is achieving great advancements in technology.
To achieve both high levels of productivity and economical performance, Komatsu has developed the main components with a total control system. The result is a new generation of high performance and environment friendly excavators.



Low Fuel Consumption

The newly-developed Komatsu SAA6D107E-1 [ecot3] engine enables NOx emissions to be significantly reduced with the accurate multi-staged fuel injection by the engine controller. It improves total engine durability using the high-pressure fuel injection system developed specifically for construction machinery. This excavator significantly reduces hourly fuel consumption using the highly-efficient matching techniques of the engine and hydraulic unit and also provides features that promote energy-saving operations such as the E mode and ECO gauge.

Fuel consumption **10% reduced**

Compared with the PC270-7 at P mode and 100% working efficiency.
Fuel consumption varies depending on job conditions.

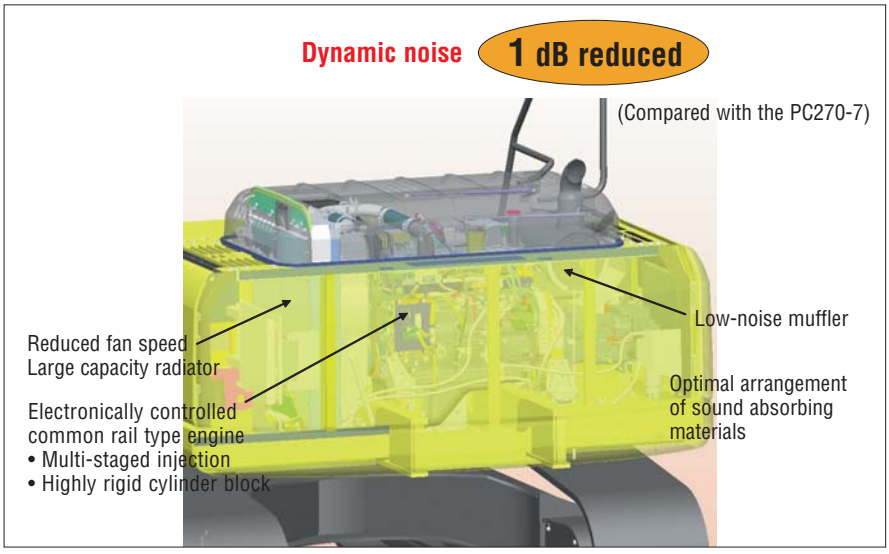
Low Emission Engine

Komatsu SAA6D107E-1 meets U.S. EPA Tier 3 and EU Stage 3A emissions certified and reduced NOx emission by 29 % compared with the PC270-7.

ecot3
ecology & economy - technology 3

Low Operation Noise

Enables a low noise operation using the low-noise engine and methods to cut noise at source.



Idling Caution

To prevent unnecessary fuel consumption, an idling caution is displayed on the monitor, if the engine idles for 5 minutes or more.

Large Maximum Drawbar Pull

PC270-8's maximum drawbar pull provides superb slope climbing performance.

The optional heavy duty travel motor gives a extra 6% increase.

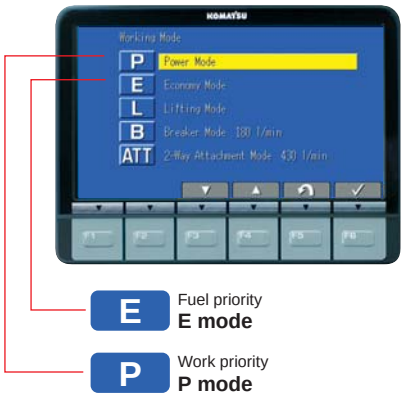
Working Modes Selectable

Two established work modes are further improved.

P mode – Power or work priority mode has low fuel consumption, but fast equipment speed and maximum production and power are maintained.

E mode – Economy or fuel priority mode further reduces fuel consumption, but maintains the P-mode-like working equipment speed for light duty work.

You can select Power or Economy modes using a one-touch operation on the monitor panel depending on workloads.



ECO gauge that Assists Energy-saving Operations

Equipped with the ECO gauge that can be recognized at a glance on the right of the multi-function color monitor for environment-friendly energy-saving operations. Allows focus on operation in the green range with reduced CO_2 emissions and efficient fuel consumption.

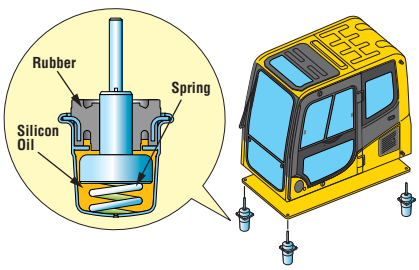
WORKING ENVIRONMENT

Low Cab Noise

The newly-designed cab is highly rigid and has excellent sound absorption ability. Thorough improvement of noise source reduction and use of low noise engine, hydraulic equipment, and air conditioner allows this machine to generate a low level of noise similar to that of a passenger car.

Low Vibration with Cab Damper Mounting

PC270-8 uses viscous damper mounting for cab that incorporates longer stroke and the addition of a spring. The new cab damper mounting combined with high rigidity deck aids vibration reduction at operator seat.



Wide Newly-designed Cab

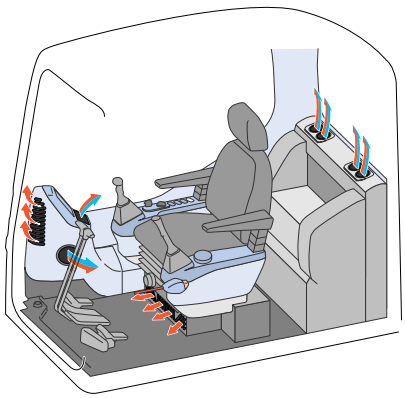
Newly-designed wide spacious cab includes seat with reclining backrest. The seat height and longitudinal inclination are easily adjusted using a pull-up lever. You can set the appropriate operational posture of armrest together with the console.
Reclining the seat further enables you to place it into the fully flat state with the headrest attached.

Pressurized Cab

Optional air conditioner, air filter and a higher internal air pressure (**+6.0 mm Aq** +0.2"Aq) prevent external dust from entering the cab.

Automatic Air Conditioner (Optional)

Enables you to easily and precisely set cab atmosphere with the instruments on the large LCD.
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.
Defroster function keeps front glass clear.



Safety Features

ROPS Cab

The machine is equipped with a ROPS cab that conforms to ISO 12117-2 for excavators as standard equipment. The ROPS cab has high shock-absorption performance, featuring excellent durability and impact strength. It also satisfies the requirements of ISO 10262 OPG top guard level 1 for falling objects. Combined with the retractable seat belt, The ROPS cab protects the operator in case of tipping over and against falling objects.




Slip-resistant Plates

Highly durable Slip-resistant plates maintain superior traction performance for the long term.

Pump/engine Room Partition

Pump/engine room partition prevents oil from spraying onto the engine if a hydraulic hose should burst.

Lock Lever

Locks the hydraulic pressure to prevent unintentional movement. Neutral start function allows machine to be started only in lock position.

Large Side-view, Rear, and Sidewise Mirrors

Enlarged left-side mirror and addition of rear and side mirror allow the PC270-8 to meet the visibility requirements (ISO 5006).



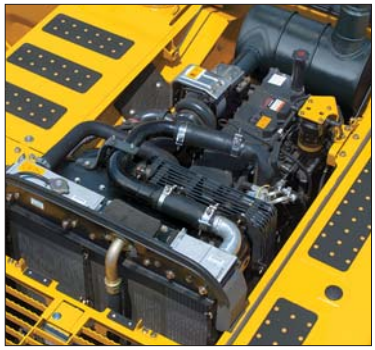
Rear View Monitoring System (Optional)

The operator can view the rear of the machine with a color monitor screen.

Monitor for rear view camera

Thermal and Fan Guards

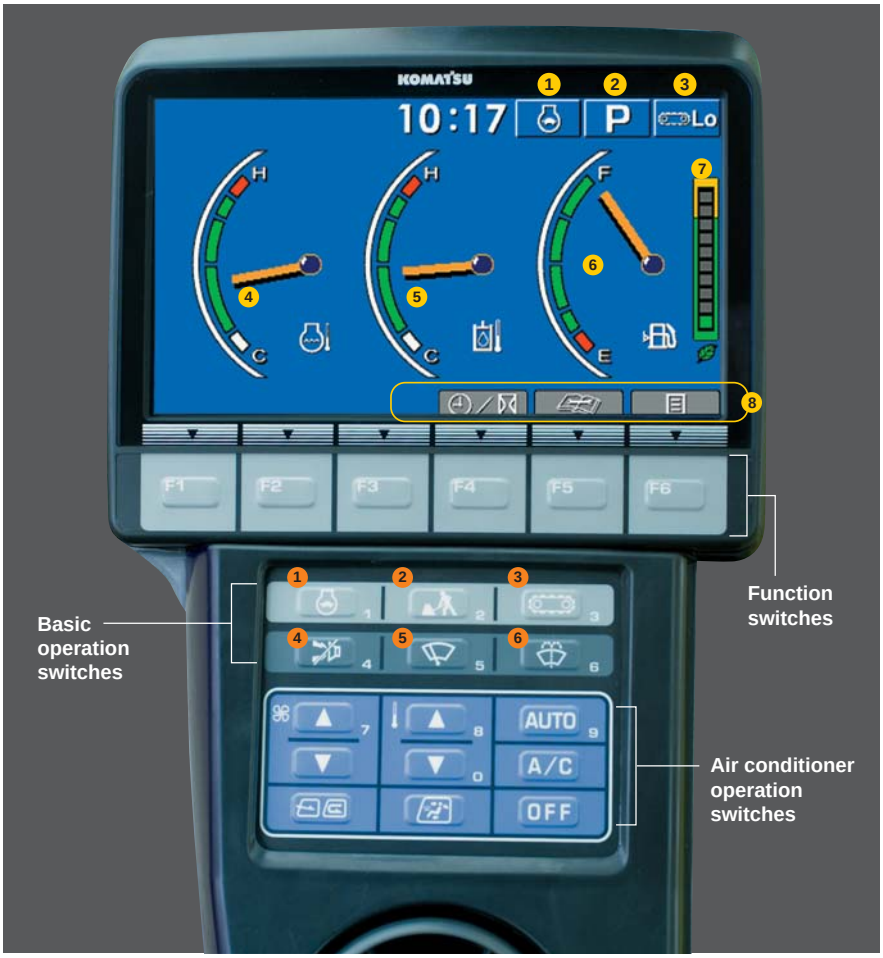
Thermal and fan guards are placed around high-temperature parts of the engine and fan drive.



Large LCD Color Monitor

Large Multi-lingual LCD Monitor

A large user-friendly color monitor enables safe, accurate and smooth work. Improved screen visibility is achieved by the use of LCD that can easily be read at various angles and lighting conditions. Simple and easy to operate switches. Industry first function keys facilitate multi-function operations. Displays data in 12 languages to globally support operators around the world.



Indicators

1. Auto-decelerator
2. Working mode
3. Travel speed
4. Engine water temperature gauge
5. Hydraulic oil temperature gauge
6. Fuel gauge
7. ECO gauge
8. Function switches menu

Basic operation switches

1. Auto-decelerator
2. Working mode selector
3. Traveling selector
4. Buzzer cancel
5. Wiper
6. Windshield washer

Mode Selection

The multi-function color monitor has Power mode, Economy mode, Lifting mode, Breaker mode and Attachment mode.

Working Mode	Application	Advantage
P	Power mode	● Maximum production/power ● Fast cycle time
E	Economy mode	● Excellent fuel economy
L	Lifting mode	● Hydraulic pressure is increased by 7%
B	Breaker operation	● Optimum engine rpm, hydraulic flow
ATT	Attachment mode	● Optimum engine rpm, hydraulic flow, 2 way

Lifting Mode

When the Lifting mode is selected, lifting capacity is increased 7% by raising hydraulic pressure.

Equipment Management Monitoring System

Monitor function

Controller monitors engine oil level, coolant temperature, battery charge and air clogging, etc. If controller finds any abnormality, it is displayed on the LCD.

Maintenance function

Monitor informs replacement time of oil and filters on LCD when the replacement interval is reached.

Trouble data memory function

Monitor stores abnormalities for effective troubleshooting.

MAINTENANCE FEATURES

Side-by-side Cooling

Since radiator, aftercooler and oil cooler are arranged in parallel, it is easy to clean, remove and install them. Radiator, aftercooler, and oil cooler made of aluminum have high cooling efficiency and are easily recycled.

Equipped with the Fuel Pre-filter (With Water Separator)

Removes water and contaminants in the fuel to prevent fuel problems. (With built-in priming pump)

Washable Cab Floormat

The PC270-8's cab floormat is easy to keep clean. The gently inclined surface has a flanged floormat and drainage holes to facilitate runoff.

Easy Access to Engine Oil Filter and Fuel Drain Valve

Engine oil filter and fuel drain valve are remote mounted to improve accessibility.

Equipped with the Eco-drain Valve as Standard.

Prevents clothes and the ground from becoming contaminated due to oil leakage when replacing the engine oil.

Large-capacity Fuel Tank and Rustproof Treatment

400-liter (106 U.S. gal) high-capacity fuel tank. Effective corrosion resistance using rustproof treatment.

Sloping Track Frame

Prevents dirt and sand from accumulating and allows easy mud removal.

Gas Assisted Engine Hood Damper Cylinders

The engine hood can be easily opened and closed with the assistance of the gas assisted engine hood damper cylinders.

Long-life Oil, Filter

Uses high-performance filtering materials and long-life oil. Extends the oil and filter replacement interval.

Hydraulic oil filter (Eco-white element)

Engine oil & Engine oil filter	every **500** hours
Hydraulic oil	every **5000** hours
Hydraulic oil filter	every **1000** hours

Air Conditioner Filter (Optional)

The air conditioner filter is removed and installed without the use of tools facilitating filter maintenance.

Internal air conditioner filter

External air conditioner filter

Long Work Equipment Greasing Interval (Optional)

High quality BMRC bushings and resin shims are optionally available for work equipment pins excluding bucket, extending greasing interval to 500 hours.

SPECIFICATIONS

ENGINE

Model . . . . . Komatsu SAA6D107E-1
Type . . . . . Water-cooled, 4-cycle, direct injection
Aspiration . . . . . Turbocharged, aftercooled
Number of cylinders 6
Bore . . . . . **107 mm** 4.21"
Stroke . . . . . **124 mm** 4.88"
Piston displacement . . . . . **6.69 ltr** 408 in^3
Horsepower:
SAE J1995 . . . . . Gross **149 kW** 200 HP
ISO 9249 / SAE J1349 . . . . . Net **140 kW** 187 HP
Rated rpm . . . . . 2050 rpm
Fan drive method for radiator cooling . . . . . Mechanical
Governor . . . . . All-speed control, electronic
U.S. EPA Tier 3 and EU Stage 3A certified

HYDRAULICS

Type . . HydrauMind (Hydraulic Mechanical Intelligence New Design) system, closed-center system with load sensing valves and pressure compensated valves
Number of selectable working modes 4
Main pump:
Type . . . . . Variable displacement piston type
Pumps for . . . . . Boom, arm, bucket, swing, and travel circuits
Maximum flow . . . . . **450 ltr/min** 119 U.S. gal/min
Supply for control circuit . . . . . Self-reducing valve
Hydraulic motors:
Travel . . . . . 2 x axial piston motor with parking brake
Swing . . . . . 1 x axial piston motor with swing holding brake
Relief valve setting:
Implement circuits . . . . . **37.3 MPa** 380 kgf/cm^2 5,400 psi
Travel circuit . . . . . **37.3 MPa** 380 kgf/cm^2 5,400 psi
Swing circuit . . . . . **28.9 MPa** 295 kgf/cm^2 4,190 psi
Pilot circuit . . . . . **3.2 MPa** 33 kgf/cm^2 470 psi
Hydraulic cylinders:
(Number of cylinders – bore x stroke x rod diameter)
Boom . . . . **2 – 140 mm x 1300 mm x 100 mm** 5.5" x 51.2" x 3.9"
Arm . . . . . **1 – 150 mm x 1635 mm x 110 mm** 5.9" x 64.3" x 4.3"
Bucket . . . . **1 – 140 mm x 1009 mm x 100 mm** 5.5" x 39.7" x 3.9"

DRIVES AND BRAKES

Steering control . . . . . Two levers with pedals
Drive method . . . . . Hydrostatic
Maximum drawbar pull . . . . . **249 kN** 25400 kgf 56,000 lb
*(**264 kN** 26900 kgf 59,300 lb)
Gradeability . . . . . 70%, 35°
Maximum travel speed: High **5.5 km/h** 3.4 mph *(**4.5 km/h** 2.8 mph)
(Auto-Shift) Mid **4.1 km/h** 2.5 mph *(**3.3 km/h** 2.1 mph)
Low **3.0 km/h** 1.9 mph *(**2.8 km/h** 1.8 mph)
Service brake Hydraulic lock
Parking brake . . . . . Mechanical disc brake
*With optional heavy duty travel motor

SWING SYSTEM

Drive method . . . . . Hydrostatic
Swing reduction . . . . . Planetary gear
Swing circle lubrication . . . . . Grease-bathed
Service brake . . . . . Hydraulic lock
Holding brake/Swing lock . . . . . Mechanical disc brake
Swing speed . . . . . 10.5 rpm

UNDERCARRIAGE

Center frame . . . . . X-frame
Track frame . . . . . Box-section
Seal of track . . . . . Sealed track
Track adjuster . . . . . Hydraulic
Number of shoes (Each side)
PC270-8 45
PC270LC-8 48
Number of carrier rollers . . . . . 2 each side
Number of track rollers (Each side)
PC270-8 7
PC270LC-8 8

COOLANT AND LUBRICANT CAPACITY (REFILLING)

Fuel tank . . . . . **400 ltr** 105.7 U.S. gal
Coolant . . . . . **20.6 ltr** 5.4 U.S. gal
Engine . . . . . **23.1 ltr** 6.1 U.S. gal
Final drive (Each side) . . . . . **8.5 ltr** 2.2 U.S. gal
Swing drive . . . . . **8.2 ltr** 2.2 U.S. gal
Hydraulic tank . . . . . **132 ltr** 34.9 U.S. gal

OPERATING WEIGHT (APPROXIMATE)

Operating weight including **5850 mm** 19'2" one-piece boom, **3045 mm** 10'0" arm, SAE heaped **1.26 m^3** 1.65 yd^3 backhoe bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

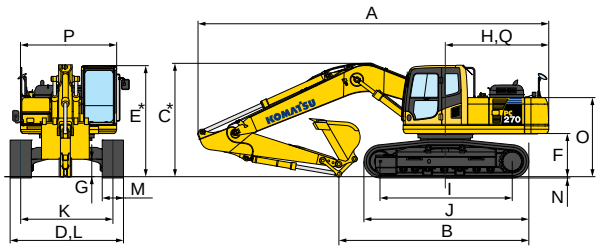
Shoes	PC270-8		PC270LC-8	
	Operating Weight	Ground Pressure	Operating Weight	Ground Pressure
600 mm 24"	**27140 kg** 59,830 lb	**55 kPa** 0.56 kgf/cm^2 7.96 psi	**28040 kg** 61,820 lb	**52 kPa** 0.53 kgf/cm^2 7.54 psi
700 mm 28"	**27700 kg** 61,070 lb	**48 kPa** 0.49 kgf/cm^2 6.97 psi	**28640 kg** 63,140 lb	**46 kPa** 0.47 kgf/cm^2 6.68 psi
800 mm 31.5"	**28050 kg** 61,840 lb	**42 kPa** 0.43 kgf/cm^2 6.15 psi	**29020 kg** 63,980 lb	**40 kPa** 0.41 kgf/cm^2 5.83 psi

DIMENSIONS

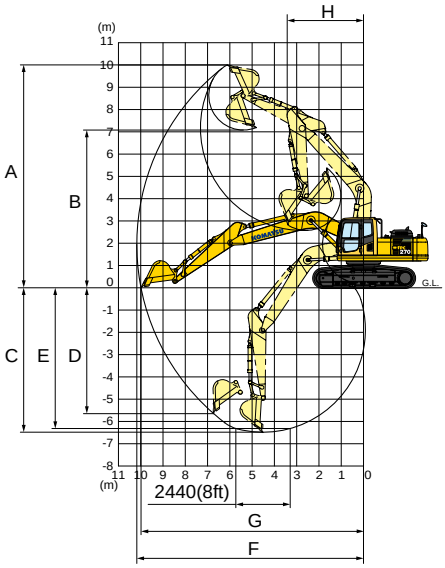
	Arm Length	2500 mm	8'2"	3045 mm	10'0"	3500 mm	11'6"
A	Overall length	9940 mm	32'7"	9860 mm	32'4"	9890 mm	32'5"
B	Length on ground (transport) : PC270-8	6090 mm	12'0"	5330 mm	17'6"	4930 mm	16'2"
	: PC270LC-8	6255 mm	20'6"	5495 mm	18'0"	5095 mm	16'9"
C	Overall height (to top of boom)*	3310 mm	10'10"	3205 mm	10'6"	3280 mm	10'9"

		PC270-8		PC270LC-8	
D	Overall width	3190 mm	10'6"	3290 mm	10'10"
E	Overall height (to top of cab)*	3175 mm	10'5"	3180 mm	10'5"
F	Ground clearance, counterweight	1215 mm	4'0"	1215 mm	4'0"
G	Ground clearance (minimum)	498 mm	1'8"	498 mm	1'8"
H	Tail swing radius	2940 mm	9'8"	2940 mm	9'8"
I	Track length on ground	3700 mm	12'2"	4030 mm	13'3"
J	Track length	4625 mm	15'2"	4955 mm	16'3"
K	Track gauge	2590 mm	8'6"	2590 mm	8'6"
L	Width of crawler	3190 mm	10'6"	3290 mm	10'10"
M	Shoe width	600 mm	24"	700 mm	28"
N	Grouser height	30 mm	1.2"	36 mm	1.4"
O	Machine cab height	2225 mm	7'4"	2225 mm	7'4"
P	Machine cab width	2710 mm	8'11"	2710 mm	8'11"
Q	Distance, swing center to rear end	2905 mm	9'6"	2905 mm	9'6"

*: Including grouser height



WORKING RANGE



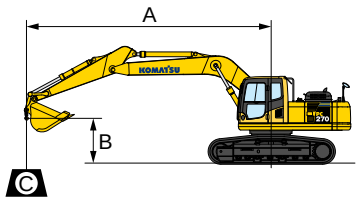
	Arm	2500 mm	8'2"	3045 mm	10'0"	3500 mm	11'6"
A	Max. digging height	9620 mm	31'7"	10000 mm	32'10"	10130 mm	33'3"
B	Max. dumping height	6720 mm	22'1"	7035 mm	23'1"	7200 mm	23'7"
C	Max. digging depth	5940 mm	19'6"	6460 mm	21'2"	6940 mm	22'9"
D	Max. vertical wall digging depth	4800 mm	15'9"	5650 mm	18'6"	5930 mm	19'5"
E	Max. digging depth of cut for 8' level	5750 mm	18'10"	6320 mm	20'9"	6790 mm	22'3"
F	Max. digging reach	9650 mm	31'8"	10100 mm	33'2"	10570 mm	34'8"
G	Max. digging reach at ground level	9450 mm	31'0"	9990 mm	32'9"	10390 mm	34'1"
H	Min. swing radius	3500 mm	11'6"	3430 mm	11'3"	3490 mm	11'5"
SAE Rating	Bucket digging force at power max.	176 kN 17900 kgf/39,460 lb		176 kN 17900 kgf/39,460 lb		176 kN 17900 kgf/39,460 lb	
SAE Rating	Arm crowd force at power max.	165 kN 16800 kgf/37,040 lb		136 kN 13900 kgf/30,640 lb		123 kN 12500 kgf/27,560 lb	
ISO Rating	Bucket digging force at power max.	198 kN 20200 kgf/44,530 lb		198 kN 20200 kgf/44,530 lb		198 kN 20200 kgf/44,530 lb	
ISO Rating	Arm crowd force at power max.	170 kN 17300 kgf/38,140 lb		138 kN 14100 kgf/31,080 lb		126 kN 12800 kgf/28,220 lb	

BACKHOE BUCKET, ARM, AND BOOM COMBINATION

Bucket Capacity (Heaped)				Width		Weight	Number of Teeth	Arm Length		
SAE, PCSA		CECE		Without Side Cutters	With Side Cutters	With Side Cutters		2.5m 8'2"	3.0m 10'0"	3.5m 11'6"
1.14 m³	1.49 yd³	1.00 m³	1.31 yd³	1300 mm 51.2"	1405 mm 55.3"	793 kg 1,750 lb	5	○	○	○
1.26 m³	1.65 yd³	1.10 m³	1.44 yd³	1400 mm 55.1"	1505 mm 59.3"	845 kg 1,860 lb	5	○	○	○

○: General purpose use, density up to **1.8 ton/m³** 1.52 U.S. ton/yd³

LIFTING CAPACITY



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

Conditions:
● **5850 mm** 19'2" one-piece boom

PC270-8 Arm: **2500 mm** 8'2" Bucket: **1.26 m³** 1.65 yd³ Shoe: **600 mm** 24" triple grouser

A / B	⊗ MAX		**7.6 m** 25'		**6.1 m** 20'		**4.6 m** 15'		**3.0 m** 10'		**1.5 m** 5'	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m 25'	***5550 kg** *12,200 lb	***5550 kg** *12,200 lb										
6.1 m 20'	***5350 kg** *11,800 lb	**4850kg** 10,700 lb			***7150 kg** *15,700 lb	**6500 kg** 14,400 lb						
4.6 m 15'	***5400 kg** *12,000 lb	**4000 kg** 8,800 lb	**6300 kg** 13,800 lb	**4250 kg** 9,400 lb	***7900 kg** *17,400 lb	**6300 kg** 13,900 lb	***9300 kg** *20,500 lb	***9300 kg** *20,500 lb				
3.0 m 10'	**5350 kg** 11,800 lb	**3550 kg** 7,900 lb	**6150 kg** 13,500 lb	**4100 kg** 9,100 lb	**8850 kg** 19,500 lb	**5950 kg** 13,100 lb	***11900 kg** *26,300 lb	**9300 kg** 20,500 lb				
1.5 m 5'	**5200 kg** 11,400 lb	**3450 kg** 7,600 lb	**5950 kg** 13,200 lb	**3950 kg** 8,700 lb	**8500 kg** 18,700 lb	**5600 kg** 12,400 lb	**13550 kg** 29,800 lb	**8650 kg** 19,000 lb				
0 m 0'	**5350 kg** 11,800 lb	**3500 kg** 7,700 lb	**5850 kg** 12,900 lb	**3850 kg** 8,500 lb	**8250 kg** 18,200 lb	**5400 kg** 11,900 lb	**13150 kg** 28,900 lb	**8300 kg** 18,300 lb				
–1.5 m –5'	**5900 kg** 13,000 lb	**3900 kg** 8,600 lb			**8150 kg** 18,000 lb	**5300 kg** 11,700 lb	**13050 kg** 28,800 lb	**8200 kg** 18,100 lb	***15700 kg** *34,600 lb	***15700 kg** *34,600 lb		
–3.0 m –10'	**7250 kg** 16,000 lb	**4800 kg** 10,500 lb			**8250 kg** 18,200 lb	**5400 kg** 11,900 lb	**13150 kg** 29,000 lb	**8350 kg** 18,400 lb	***19100 kg** *42,200 lb	**17800 kg** 39,300 lb		
–4.6 m –15'	***9000 kg** *19,800 lb	**7600 kg** 16,800 lb					***10000 kg** *22,000 lb	**8650 kg** 19,100 lb				

PC270-8 Arm: **3045 mm** 10'0" Bucket: **1.26 m³** 1.65 yd³ Shoe: **600 mm** 24" triple grouser

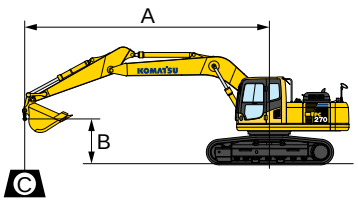
A / B	⊗ MAX		**7.6 m** 25'		**6.1 m** 20'		**4.6 m** 15'		**3.0 m** 10'		**1.5 m** 5'	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m 25'	***3450 kg** *7,600 lb	***3450 kg** *7,600 lb										
6.1 m 20'	***3300 kg** *7,300 lb	***3300 kg** *7,300 lb	***4200 kg** *9,200 lb	***4200 kg** *9,200 lb	***6350 kg** *14,000 lb	***6350 kg** *14,000 lb						
4.6 m 15'	***3350 kg** *7,300 lb	***3350 kg** *7,300 lb	***6250 kg** *13,800 lb	**4300 kg** 9,500 lb	***7200 kg** *15,900 lb	**6400 kg** 14,100 lb						
3.0 m 10'	***3550 kg** *7,800 lb	**3150 kg** 6.900 lb	**6150 kg** 13,600 lb	**4150 kg** 9,100 lb	***8500 kg** *18,700 lb	**6050 kg** 13,300 lb	***10900 kg** *24,000 lb	**9550 kg** 21,100 lb	***17850 kg** *39,300 lb	***17850 kg** *39,300 lb		
1.5 m 5'	***3900 kg** *8,600 lb	**3050 kg** 6,700 lb	**6000 kg** 13,200 lb	**3950 kg** 8,800 lb	**8550 kg** 18,900 lb	**5700 kg** 12,500 lb	***13250 kg** *29,300 lb	**8850 kg** 19,500 lb	***7800 kg** *17,200 lb	***7800 kg** *17,200 lb		
0 m 0'	***4500 kg** *9,900 lb	**3100 kg** 6,800 lb	**5850 kg** 12,900 lb	**3850 kg** 8,400 lb	**8300 kg** 18,300 lb	**5400 kg** 12,000 lb	**13250 kg** 29,200 lb	**8350 kg** 18,500 lb	***9600 kg** *21,200 lb	***9600 kg** *21,200 lb		
–1.5 m –5'	**5150 kg** 11,400 lb	**3350 kg** 7,400 lb	**5750 kg** 12,700 lb	**3750 kg** 8,300 lb	**8150 kg** 17,900 lb	**5300 kg** 11,700 lb	**13050 kg** 28,700 lb	**8200 kg** 18,100 lb	***13950 kg** *30,700 lb	***13950 kg** *30,700 lb	***8850 kg** *19,500 lb	***8850 kg** 19,500 lb
–3.0 m –10'	**6100 kg** 13,500 lb	**4000 kg** 8,800 lb			**8150 kg** 18,000 lb	**5300 kg** 11,700 lb	**13100 kg** 28,800 lb	**8250 kg** 18,200 lb	***20100 kg** *44,300 lb	**17,600 kg** 38,800 lb	***13,650 kg** *30,100 lb	***13650 kg** *30,100 lb
–4.6 m –15'	***8450 kg** *18,600 lb	**5750 kg** 12,600 lb					***11600 kg** *25,600 lb	**8500 kg** 18,700 lb	***16650 kg** *36,700 lb	***16650 kg** *36,700 lb		

PC270-8 Arm: **3500 mm** 11'6" Bucket: **1.26 m³** 1.65 yd³ Shoe: **600 mm** 24" triple grouser

A / B	⊗ MAX		**7.6 m** 25'		**6.1 m** 20'		**4.6 m** 15'		**3.0 m** 10'		**1.5 m** 5'	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m 25'	***2900 kg** *6,400 lb	***2900 kg** *6,400 lb										
6.1 m 20'	***2800 kg** *6,100 lb	***2800 kg** *6,100 lb	***4450 kg** *9800 lb	**4450 kg** 9,800 lb								
4.6 m 15'	***2800 kg** *6,200 lb	***2800 kg** *6,200 lb	***5800 kg** *12800 lb	**4350 kg** 9,600 lb	***6600 kg** *14,500 lb	**6450 kg** 14,300 lb						
3.0 m 10'	***3000 kg** *6,600 lb	**2900 kg** 6,400 lb	**6150 kg** 13,600 lb	**4150 kg** 9,100 lb	***7950 kg** *17,500 lb	**6050 kg** 13,400 lb	***9950 kg** *22,000 lb	**9700 kg** 21,400 lb	***15500 kg** *34,200 lb	***15500 kg** *34,200 lb		
1.5 m 5'	***3300 kg** *7,200 lb	**2750 kg** 6,100 lb	**5950 kg** 13,100 lb	**3950 kg** 8,700 lb	**8550 kg** 18,900 lb	**5700 kg** 12,500 lb	***12400 kg** *27,300 lb	**8700 kg** 19,200 lb	***11050 kg** *24,300 lb	***11050 kg** *24,300 lb		
0 m 0'	***3750 kg** *8,300 lb	**2800 kg** 6,200 lb	**5800 kg** 12,700 lb	**3750 kg** 8,300 lb	**8250 kg** 18,200 lb	**5350 kg** 11,800 lb	**13200 kg** 29,100 lb	**8350 kg** 18,400 lb	***10450 kg** *23,000 lb	***10450 kg** *23,000 lb		
–1.5 m –5'	***4600 kg** *10,100 lb	**3050 kg** 6,700 lb	**5650 kg** 12,500 lb	**3650 kg** 8,100 lb	**8050 kg** 17,700 lb	**5200 kg** 11,500 lb	**12900 kg** 28,500 lb	**8100 kg** 17,800 lb	***13600 kg** *29,900 lb	***13600 kg** *29,900 lb	***8300 kg** *18,300 lb	***8300 kg** *18,300 lb
–3.0 m –10'	**5500 kg** 12,100 lb	**3550 kg** 7,900 lb	**5700 kg** 12,500 lb	**3700 kg** 8,100 lb	**8000 kg** 17,700 lb	**5150 kg** 11,400 lb	**12900 kg** 28,400 lb	**8050 kg** 17,800 lb	***18500 kg** *40,800 lb	**17250 kg** 38,100 lb	***12400 kg** *27,300 lb	***12400 kg** *27,300 lb
–4.6 m –15'	**7450 kg** 16,500 lb	**4850 kg** 10,800 lb			**8150 kg** 18,000 lb	**5300 kg** 11,700 lb	***12350 kg** *27,300 lb	**8250 kg** 18,200 lb	***18100 kg** *39,900 lb	**17750 kg** 39,200 lb		

* Load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

LIFTING CAPACITY



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

Conditions:
- **5850 mm** 19'2" one-piece boom

PC270LC-8 Arm: **2500 mm** 8'2" Bucket: **1.26 m³** 1.65 yd³ Shoe: **700 mm** 28" triple grouser

A / B	⊗ MAX		7.6 m 25'		6.1 m 20'		4.6 m 15'		3.0 m 10'		1.5 m 5'	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m 25'	***5550 kg** *12,300 lb	***5550 kg** *12,300 lb										
6.1 m 20'	***5350 kg** *11,800 lb	**5100kg** 11,300 lb			***7150 kg** *15,700 lb	**6850 kg** 15,100 lb						
4.6 m 15'	***5450 kg** *12,000 lb	**4250 kg** 9,300 lb	***6800 kg** *14,900 lb	**4500 kg** 9,900 lb	***7900 kg** *17,400 lb	**6650 kg** 14,600 lb	***9400 kg** *20,700 lb	***9400 kg** *20,700 lb				
3.0 m 10'	***5800 kg** *12,800 lb	**3800 kg** 8,400 lb	**7250 kg** 16,000 lb	**4350 kg** 9,600 lb	***9050 kg** *20,000 lb	**6300 kg** 13,900 lb	***11900 kg** *26,300 lb	**9900 kg** 21,900 lb				
1.5 m 5'	**6200 kg** 13,700 lb	**3650 kg** 8,100 lb	**7100 kg** 15,600 lb	**4200 kg** 9,200 lb	**10200 kg** 22,400 lb	**5950 kg** 13,100 lb	***11750 kg** *25,900 lb	**9200 kg** 20,300 lb				
0 m 0'	**6400 kg** 14,100 lb	**3750 kg** 8,300 lb	**6950 kg** 15,400 lb	**4100 kg** 9,000 lb	**9900 kg** 21,900 lb	**5750 kg** 12,600 lb	***10800 kg** *23,800 lb	**8850 kg** 19,500 lb	***9300 kg** *20,500 lb	***9300 kg** *20,500 lb		
–1.5 m –5'	**7100 kg** 15,600 lb	**4150 kg** 9,100 lb			**9850 kg** 21,700 lb	**5650 kg** 12,500 lb	***10850 kg** *23,900 lb	**8800 kg** 19,400 lb	***10450 kg** *23,000 lb	***10450 kg** *23,000 lb		
–3.0 m –10'	**8800 kg** 19,400 lb	**5100 kg** 11,300 lb			***9900 kg** *21,800 lb	**5750 kg** 12,600 lb	***11750 kg** *25,900 lb	**8900 kg** 19,600 lb	***10100 kg** *22,300 lb	***10100 kg** *22,300 lb		
–4.6 m –15'	***9000 kg** *19,900 lb	**7950 kg** 17,500 lb					***10200 kg** *22,500 lb	**9250 kg** 20,400 lb				

PC270LC-8 Arm: **3045 mm** 10'0" Bucket: **1.26 m³** 1.65 yd³ Shoe: **700 mm** 28" triple grouser

A / B	⊗ MAX		7.6 m 25'		6.1 m 20'		4.6 m 15'		3.0 m 10'		1.5 m 5'	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m 25'	***3450 kg** *7,600 lb	***3450 kg** *7,600 lb										
6.1 m 20'	***3300 kg** *7,300 lb	***3300 kg** *7,300 lb	***4100 kg** *9,100 lb	***4100 kg** *9,100 lb	***6350 kg** *14,000 lb	***6350 kg** *14,000 lb						
4.6 m 15'	***3350 kg** *7,300 lb	***3350 kg** *7,300 lb	***6250 kg** *13,800 lb	**4550 kg** 10,000 lb	***7200 kg** *15,900 lb	**6750 kg** 14,900 lb						
3.0 m 10'	***3500 kg** *7,800 lb	**3350 kg** 7,400 lb	***7250 kg** *16,000 lb	**4400 kg** 9,700 lb	***8450 kg** *18,700 lb	**6400 kg** 14,100 lb	***10850 kg** *24,000 lb	**10200 kg** 22,500 lb	***13500 kg** *29,800 lb	***13500 kg** *29,800 lb		
1.5 m 5'	***3900 kg** *8,600 lb	**3250 kg** 7,100 lb	**7100 kg** 15,700 lb	**4200 kg** 9,300 lb	***9750 kg** *21,500 lb	**6050 kg** 13,300 lb	***13350 kg** *29,400 lb	**9400 kg** 20,800 lb	***8350 kg** *18,400 lb	***8350 kg** *18,400 lb		
0 m 0'	***4500 kg** *9,900 lb	**3300 kg** 7,300 lb	**6950 kg** 15,300 lb	**4050 kg** 9,000 lb	**9950 kg** 21,900 lb	**5750 kg** 12,700 lb	***12500 kg** *27,500 lb	**8950 kg** 19,700 lb	***9950 kg** *21,900 lb	***9950 kg** *21,900 lb		
–1.5 m –5'	***5550 kg** *12,200 lb	**3600 kg** 8,000 lb	**6900 kg** 15,200 lb	**4000 kg** 8,800 lb	**9800 kg** 21,600 lb	**5600 kg** 12,400 lb	***12150 kg** *26,800 lb	**8750 kg** 19,300 lb	***10600 kg** *23,400 lb	***10600 kg** *23,400 lb	***8950 kg** *19,700 lb	***8950 kg** *19,700 lb
–3.0 m –10'	**7400 kg** 16,300 lb	**4300 kg** 9,500 lb			**9800 kg** 21,600 lb	**5650 kg** 12,400 lb	***12850 kg** *28,400 lb	**8800 kg** 19,400 lb	***10700 kg** *23,600 lb	***10700 kg** *23,600 lb	***11050 kg** *24,400 lb	***11050 kg** *24,400 lb
–4.6 m –15'	***8450 kg** *18,600 lb	**6050 kg** 13,300 lb					***11750 kg** *25,900 lb	**9050 kg** 20,000 lb	***11500 kg** *25,300 lb	***11500 kg** *25,300 lb		

PC270LC-8 Arm: **3500 mm** 11'6" Bucket: **1.26 m³** 1.65 yd³ Shoe: **700 mm** 28" triple grouser

A / B	⊗ MAX		7.6 m 25'		6.1 m 20'		4.6 m 15'		3.0 m 10'		1.5 m 5'	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m 25'	***2900 kg** *6,400 lb	***2900 kg** *6,400 lb										
6.1 m 20'	***2800 kg** *6,100 lb	***2800 kg** *6,100 lb	***4400 kg** *9700 lb	***4400 kg** *9,700 lb								
4.6 m 15'	***2800 kg** *6,200 lb	***2800 kg** *6,200 lb	***5800 kg** *12800 lb	**4550 kg** 10,100 lb	***6600 kg** *14,600 lb	***6600 kg** *14,600 lb						
3.0 m 10'	***2950 kg** *6,600 lb	***2950 kg** *6,600 lb	***6850 kg** *15,100 lb	**4400 kg** 9,700 lb	***7900 kg** *17,400 lb	**6400 kg** 14,200 lb	***9950 kg** *21,900 lb	***9950 kg** *21,900 lb	***13800 kg** *30,500 lb	***13800 kg** *30,500 lb		
1.5 m 5'	***3250 kg** *7,200 lb	**2950 kg** 6,600 lb	**7100 kg** 15,600 lb	**4200 kg** 9,200 lb	***9250 kg** *20,400 lb	**6000 kg** 13,300 lb	***12550 kg** *27,700 lb	**9500 kg** 20,900 lb	***9700 kg** *21,400 lb	***9700 kg** *21,400 lb		
0 m 0'	***3750 kg** *8,300 lb	**3000 kg** 6,700 lb	**6900 kg** 15,200 lb	**4000 kg** 8,800 lb	**9900 kg** 21,900 lb	**5700 kg** 12,600 lb	***11100 kg** *24,400 lb	**8900 kg** 19,600 lb	***9550 kg** *21,100 lb	***9550 kg** *21,100 lb		
–1.5 m –5'	***4600 kg** *10,200 lb	**3250 kg** 7,200 lb	**6800 kg** 15,000 lb	**3900 kg** 8,600 lb	**9700 kg** 21,400 lb	**5550 kg** 12,200 lb	***10600 kg** *23,400 lb	**8650 kg** 19,100 lb	***9550 kg** *21,100 lb	***9550 kg** *21,100 lb	***8400 kg** *18,600 lb	***8400 kg** *18,600 lb
–3.0 m –10'	***6250 kg** *13,800 lb	**3850 kg** 8,500 lb	**6800 kg** 15,000 lb	**3900 kg** 8,600 lb	**9650 kg** 21,300 lb	**5500 kg** 12,100 lb	***10850 kg** *24,000 lb	**8650 kg** 19,000 lb	***9550 kg** *21,100 lb	***9550 kg** *21,100 lb	***10050 kg** *22,100 lb	***10050 kg** *22,100 lb
–4.6 m –15'	***8150 kg** *18,000 lb	**5150 kg** 11,300 lb			***9000 kg** *19,800 lb	**5650 kg** 12,400 lb	***12000 kg** *26,500 lb	**8850 kg** 19,500 lb	***9900 kg** *21,800 lb	***9900 kg** *21,800 lb		

* Load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No.10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

STANDARD EQUIPMENT

- Alternator, 60 ampere, 24 v
- Auto-decel
- Automatic engine warm-up system
- Counterweight
- Dry type air cleaner, double element
- Electric horn
- Engine, Komatsu SAA6D107E-1
- Engine overheat prevention system
- Equipment manegement monitoring system
- Fan guard structure
- Hydraulic track adjusters (Each side)
- In-line filter
- Multi-function color monitor
- Power maximizing system
- Pressure Proportional Control (PPC) hydraulic control system
- Radiator and oil cooler dust proof net
- Rear reflector
- Rearview mirrors, RH, LH, rear, sidewise
- ROPS cab (ISO 12117-2)
- Slip-resistant plates
- Track shoe
  —PC270-8, **600 mm** 24" triple grouser
  —PC270LC-8, **700 mm** 28" triple grouser
- Starting motor, 4.5 kW/24 V x 1
- Travel alarm
- Working light, 2 (Boom and RH)
- Working mode selection system

OPTIONAL EQUIPMENT

- Additional filter system for poor-quality fuel
- Air conditioner with defroster
- Air conditioner with large blower
- Arms
  —**2500 mm** 8'2" HD arm assembly
  —**3045 mm** 10'0" HD arm assembly
  —**3500 mm** 11'6" HD arm assembly
- Batteries, large capacity
- Bolt-on top guard, OPG ISO 10262 level 2 (FOG)
- Boom and arm holding valve
- Boom, **5850 mm** 19'2"
- Boom, **5850 mm** 19'2" with attachment piping
- Cab front guard
  —Full height guard
  —Half height guard
- Deck guard
- Heavy duty travel motor
- One service valve
- Power supply, 12 V
- Seat belt, retractable
- Seat, suspension
- Shoes, triple grouser
  —PC270-8:
  700 mm 28", **800 mm** 31.5"
  —PC270LC-8:
  600 mm 24", **800 mm** 31.5"
- Track frame undercover
- Track roller guards (Full length)

SPECIAL PURPOSE BUCKET

- **Bucket**
  —Play adjustment mechanism

For a complete line up of available attachments, please contact your local Komatsu distributor

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