

KOMATSU®

PC270LC-8

FLYWHEEL HORSEPOWER
140 kW **187 HP** @ 2050 rpm

OPERATING WEIGHT
29000–29950 kg
63,934–66,028 lb

BUCKET CAPACITY
0.58–1.63 m³ **0.76–2.13 yd³**

PC
270
LC



Photo may include optional equipment

HYDRAULIC EXCAVATOR

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 PC270LC-7)

- ***Low Emission Engine***

A powerful turbocharged and air-to-air aftercooled Komatsu SAA6D107E-1 engine provides 140 kW **187 HP**. This engine is EPA Tier 3 and EU stage 3A emissions certified, without sacrificing power or machine productivity.

- Economy mode reduces 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 PC270LC-7, realizing low noise operation.

General Features

- New cab design gains reinforced strength
- Slip-resistant plates for improved foot traction
- Large side-view, sidewise, and rear mirrors added
- Rear view camera system for viewing the work area to rear of the machine on the monitor panel (optional)
- OPG top guard level 2 capable, with optional bolt-on top guard



KOMTRAX equipped machines can send location, SMR and operation maps to a secure website utilizing wireless technology. Machines also relay error codes, cautions, maintenance items, fuel levels, and much more.



Large TFT LCD Monitor

- Easy-to-view and use 7" large multi-color monitor
- Can be displayed in ten (10) languages for global support

TFT: Thin Film Transistor
LCD: Liquid Crystal Display

Large Comfortable Cab

- Exceptionally low-noise cab
- Low vibration with cab damper mounting
- Highly pressurized cab with automatic air conditioner
- Operator seat and console with armrest that enables operations in the appropriate operational posture

Easy Maintenance

- Extended 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 10 micron fuel pre-filter as standard equipment (with water separator)
- Side-by-side cooling concept enables individual cooling modules to be serviced
- Equipped with EMMS monitoring system
- Equipped with KOMTRAX

- **Large Drawbar Pull**

Provides superb steering and slope climbing performance.

FLYWHEEL HORSEPOWER

140 kW 187 HP @ 2050 rpm

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29000 – 29950 kg

63,934 – 66,028 lb

BUCKET CAPACITY

0.58 – 1.63 m³

0.76 – 2.13 yd³

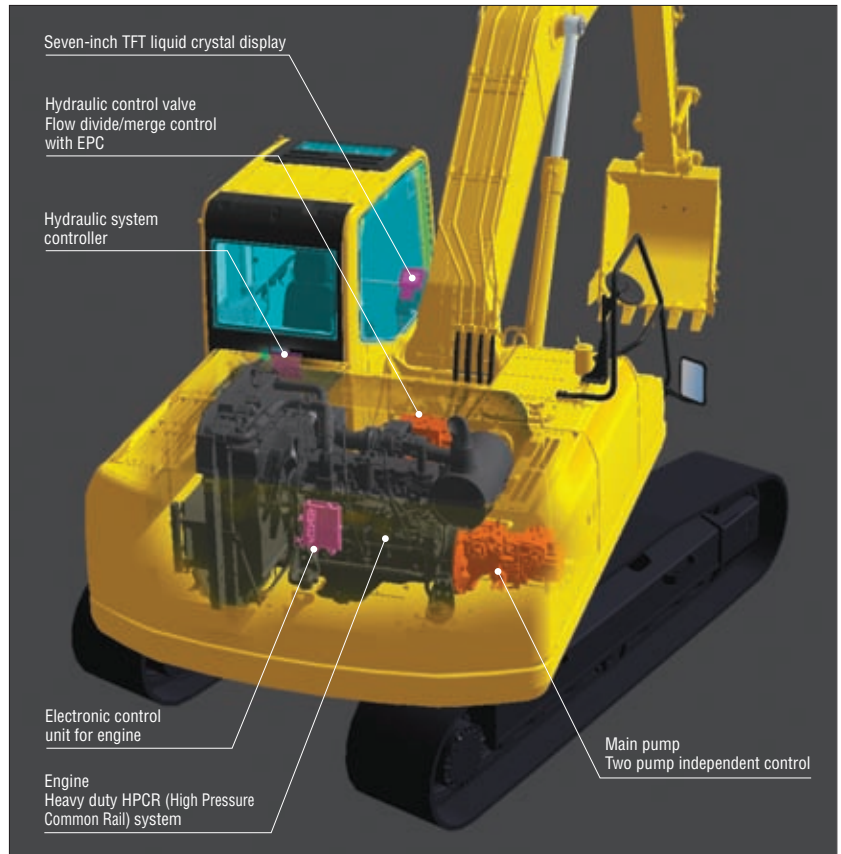


Photo may include optional equipment

ECOLOGY & ECONOMY FEATURES



Komatsu's new "ecot3" engines are designed to deliver optimum performance under the toughest of conditions while meeting the latest environmental regulations. This engine is Tier 3 EPA, EU Stage 3A and Japan emissions certified. "ecot3" – ecology and economy combined with Komatsu technology to create a high performance engine without sacrificing power or productivity.



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 reduced 10%

Compared with the PC270LC-7 at P mode and 100% working efficiency.

Low Emission Engine

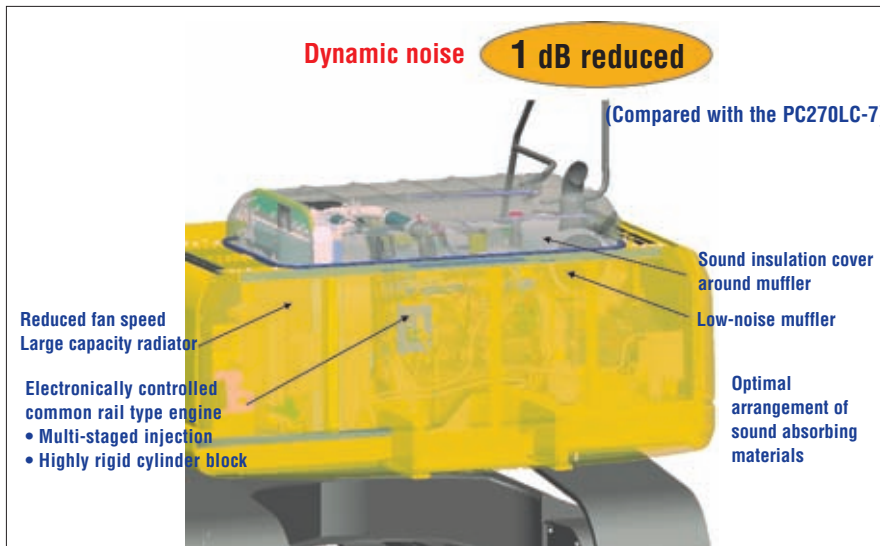
Komatsu SAA6D107E-1 is EPA Tier 3 and EU stage 3A emissions certified and reduces NOx emission by 29% compared with the PC270LC-7.



ecot3
ecology & economy - technology 3

Low Operational Noise

Enables low noise operation using the low-noise emitting engine and methods to reduce the noise at source.



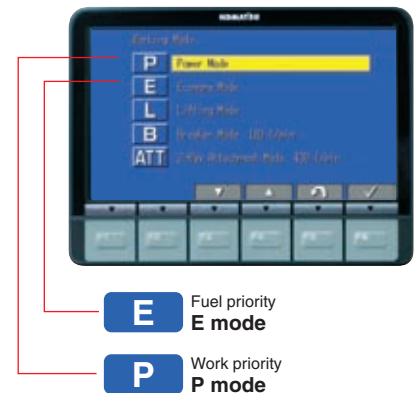
Working Modes Selectable

Two established work modes are further improved.

P mode – Power or work priority mode has improved fuel consumption, while maintaining fast equipment speed and maximum production.

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-monitor for environment-friendly energy-saving operations. Allows the operator to maintain work in the green zone and reduce fuel consumption and exhaust emissions.

Idling Caution

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



Eco-gauge

WORKING ENVIRONMENT

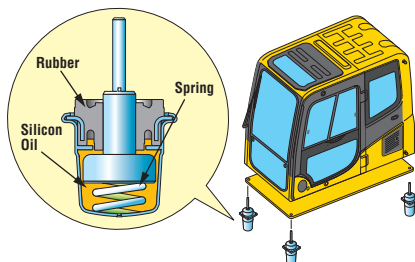


Low Cab Noise

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

Low Vibration with Cab Damper Mounting

PC270LC-8 uses multi-layer viscous mount system that incorporates a 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 high-back seat with a reclining backrest. The seat height and longitudinal incline are easily adjusted using a pull-up lever. The operator can set the appropriate operational posture of armrest together with the console. Reclining the seat further enables the operator to place it into a fully-flat state with the headrest attached.

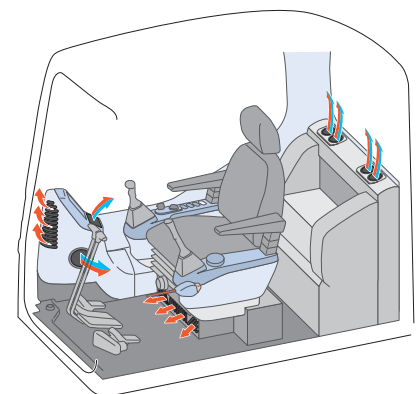


Pressurized Cab

Automatic 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

Enables the operator to easily and precisely set cab temperature with the simple touch pad controls on the large LCD. The bi-level control function keeps the inside of the cab comfortable from top to bottom. This improved air flow function keeps the inside of the cab comfortable throughout the year. The defroster function keeps cab glass clear.



Large LCD Color Monitor

Large Multi-Lingual Liquid Crystal Display (LCD) Monitor

A large user-friendly color monitor enables accurate and smooth work. Improved screen visibility is achieved by use of TFT liquid crystal display 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 10 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 Travel speed 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 | <ul style="list-style-type: none"> Maximum production/power Fast cycle time |
| E | Economy mode | <ul style="list-style-type: none"> Excellent fuel economy |
| L | Lifting mode | <ul style="list-style-type: none"> Hydraulic pressure is increased by 7% |
| B | Breaker operation | <ul style="list-style-type: none"> Optimum engine rpm and hydraulic flow, 1 way |
| ATT | Attachment mode | <ul style="list-style-type: none"> Optimum engine rpm and 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 (EMMS)

Monitor Function

Controller monitors engine oil level, coolant temperature, battery charge and air filter clogging, etc. If the 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.

GENERAL FEATURES

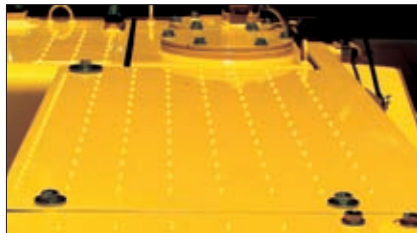
New Cab Design for Hydraulic Excavators

The cab is designed specifically for hydraulic excavators and gains reinforced strength from the pipe-structured cab framework. The cab framework provides the high durability and impact resistance with very high impact absorbency.



Slip-Resistant Plates

Durable slip resistant plates maintain foot traction performance for the long term.



Skylight

Skylight with window can be opened to improve overhead visibility.



Lock Lever

Makes all hydraulic cab controls inoperable. Neutral start function allows machine to be started only in lock position.



Large Side-View, Rear, and Sidewise Mirrors

Enlarged left side mirror and the addition of rear and side mirrors.



Thermal and Fan Guards

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



MAINTENANCE FEATURES

Side-by-Side Cooling Modules

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



Equipped with Fuel Pre-filter (with Water Separator)

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

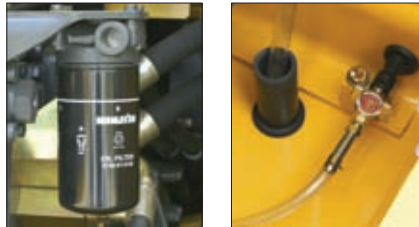


Washable Cab Floormat

The PC270LC-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 Eco-Drain Valve as Standard

Provides for easier and cleaner engine oil changes.



Large-Capacity Fuel Tank with Rustproof Treatment

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

Sloping Track Frame

Reduces 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 | every 500 hours |
| Engine oil filter | every 500 hours |
| Hydraulic oil | every 5000 hours |
| Hydraulic oil filter | every 1000 hours |

Air Conditioner Filter

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



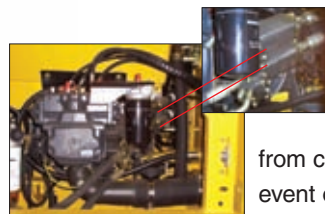
Internal air conditioner filter



External air conditioner filter

High-Pressure In-Line Filters

The PC270LC-8 has high pressure in-line filters installed at the pump discharge ports. This protects the hydraulic system from contamination due to the unlikely event of a pump failure.



Extended Work Equipment Greasing Interval

High quality BMRC bushings and resin shims are installed in the work equipment excluding bucket, extending greasing interval to 500 hours.

PC270LC-8 HYDRAULIC EXCAVATOR

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 in³**
 Horsepower:
 SAE J1995 Gross 149 kW **200 HP**
 ISO 9249 / SAE J1349 Net 140 kW **187 HP**
 Rated rpm 2050 rpm
 Fan drive type Mechanical
 Governor All-speed control, electronic

EPA Tier 3 and EU Stage 3A emissions 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/cm² 5,400 psi**
 Travel circuit 37.3 MPa **380 kgf/cm² 5,400 psi**
 Swing circuit 28.9 MPa **295 kgf/cm² 4,190 psi**
 Pilot circuit 3.2 MPa **33 kgf/cm² 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**
 Gradeability 70%, 35°
 Maximum travel speed: High 5.5 km/h **3.4 mph**
 (Auto-Shift) Mid 4.1 km/h **2.5 mph**
 Low 3.0 km/h **1.9 mph**
 Service brake Hydraulic lock
 Parking brake Mechanical disc brake



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) 48
 Number of carrier rollers 2 each side
 Number of track rollers (each side) 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 1.41 m³ **1.85 yd³** backhoe bucket*, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

| Shoes | Operating Weight | Ground Pressure |
|------------------------|------------------------------|--------------------------------------------|
| 700 mm 28" | 29000 kg 63,934 lb | 0.48 kg/cm ² 6.80 psi |
| 800 mm 31.5" | 29500 kg 65,036 lb | 0.43 kg/cm ² 6.05 psi |
| 850 mm 33.5" | 29950 kg 66,028 lb | 0.41 kg/cm ² 5.78 psi |

*Komatsu 1.85 cu/yd bucket (2,304 lb)



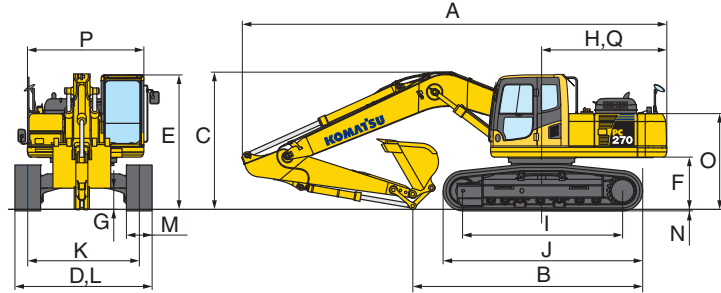
WORKING FORCES

| | Arm | 3045 mm 10'0" | 3500 mm 11'6" |
|------------|------------------------------------|--------------------------------------|--------------------------------------|
| SAE rating | Bucket digging force at power max. | 176 kN 17900 kgf/39,460 lb | 176 kN 17900 kgf/39,460 lb |
| | Arm crowd force at power max. | 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 |
| | Arm crowd force at power max. | 138 kN 14100 kgf/31,080 lb | 126 kN 12800 kgf/28,220 lb |



DIMENSIONS

| | | | | | |
|---|------------------------------------|---------|-------|---------|-------|
| | Arm | 3045 mm | 10'0" | 3500 mm | 11'6" |
| A | Overall length | 9860 mm | 32'4" | 9890 mm | 32'5" |
| B | Length on ground (transport) | 5500 mm | 18'0" | 5100 mm | 16'9" |
| C | Overall height (to top of boom) | 3210 mm | 10'6" | 3280 mm | 10'9" |
| D | Overall width | 3390 mm | 11'2" | | |
| E | Overall height (to top of cab) | 3175 mm | 10'5" | | |
| F | Ground clearance, counterweight | 1215 mm | 4'0" | | |
| G | Ground clearance, (minimum) | 498 mm | 1'8" | | |
| H | Swing radius | 2940 mm | 9'8" | | |
| I | Track length on ground | 4030 mm | 13'3" | | |
| J | Track length | 4955 mm | 16'3" | | |
| K | Track gauge | 2590 mm | 8'6" | | |
| L | Width of crawler | 3390 mm | 11'2" | | |
| M | Shoe width | 800 mm | 31.5" | | |
| N | Grouser height | 36 mm | 1.4" | | |
| O | Machine cab height | 2225 mm | 7'4" | | |
| P | Machine cab width | 2710 mm | 8'11" | | |
| Q | Distance, swing center to rear end | 2905 mm | 9'6" | | |

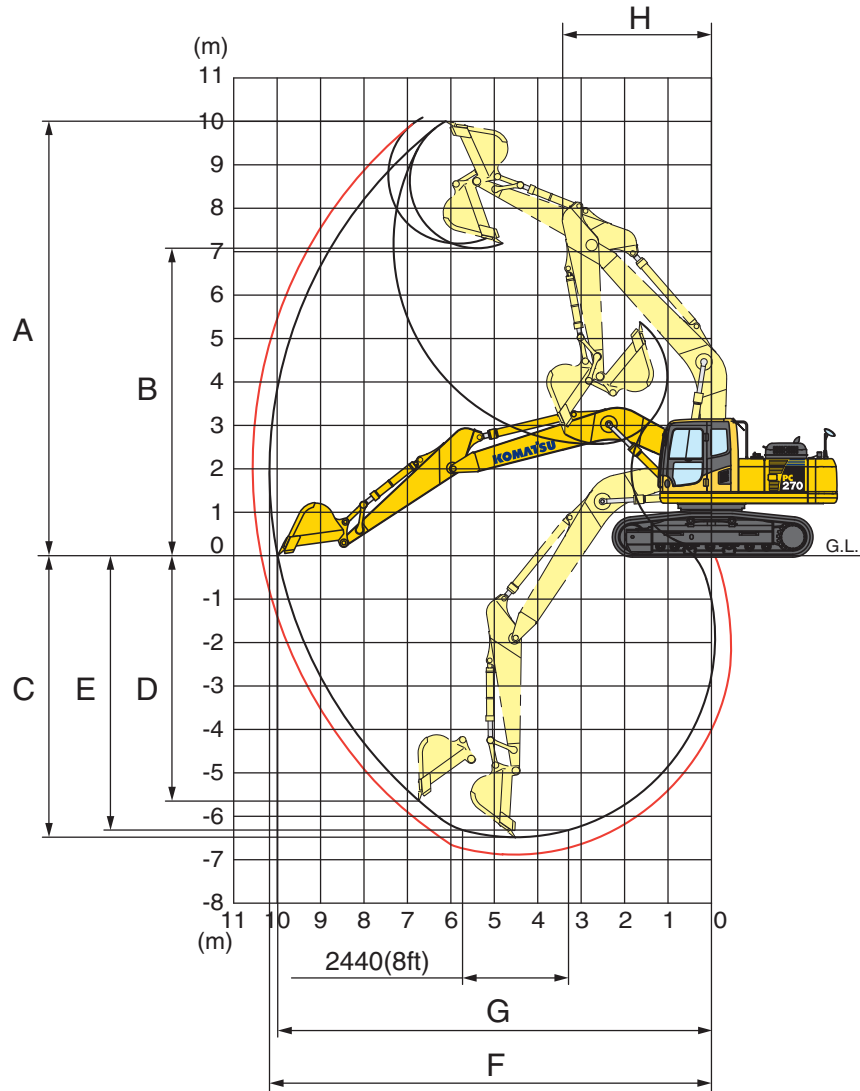


BACKHOE BUCKET, ARM, AND BOOM COMBINATION

| Bucket Type | Bucket | | | Arms | | |
|-------------|---------------------|----------------------|-------------|------------------|----------------|---|
| | Capacity | Width | Weight | 3.0 m 10'0" | 3.5 m 11'6" | |
| Komatsu GSK | 0.58 m ³ | 0.76 yd ³ | 610 mm 24" | 765 kg 1,686 lb | V | V |
| | 0.78 m ³ | 1.02 yd ³ | 762 mm 30" | 774 kg 1,707 lb | V | V |
| | 0.99 m ³ | 1.29 yd ³ | 914 mm 36" | 869 kg 1,915 lb | V | V |
| | 1.20 m ³ | 1.57 yd ³ | 1067 mm 42" | 949 kg 2,092 lb | V | V |
| | 1.41 m ³ | 1.85 yd ³ | 1219 mm 48" | 1045 kg 2,304 lb | W | X |
| Komatsu HP | 0.58 m ³ | 0.76 yd ³ | 610 mm 24" | 812 kg 1,791 lb | V | V |
| | 0.78 m ³ | 1.02 yd ³ | 762 mm 30" | 931 kg 2,053 lb | V | V |
| | 0.99 m ³ | 1.29 yd ³ | 914 mm 36" | 1054 kg 2,323 lb | V | V |
| | 1.20 m ³ | 1.57 yd ³ | 1067 mm 42" | 1154 kg 2,545 lb | V | W |
| | 1.41 m ³ | 1.85 yd ³ | 1219 mm 48" | 1278 kg 2,817 lb | X | X |
| Komatsu HPS | 0.58 m ³ | 0.76 yd ³ | 610 mm 24" | 870 kg 1,917 lb | V | V |
| | 0.78 m ³ | 1.02 yd ³ | 762 mm 30" | 1020 kg 2,248 lb | V | V |
| | 0.99 m ³ | 1.29 yd ³ | 914 mm 36" | 1162 kg 2,562 lb | V | V |
| | 1.20 m ³ | 1.57 yd ³ | 1067 mm 42" | 1282 kg 2,827 lb | W | W |
| | 1.41 m ³ | 1.85 yd ³ | 1219 mm 48" | 1425 kg 3,142 lb | X | X |
| Komatsu HPX | 0.58 m ³ | 0.76 yd ³ | 610 mm 24" | 987 kg 2,177 lb | V | V |
| | 0.78 m ³ | 1.02 yd ³ | 762 mm 30" | 1138 kg 2,508 lb | V | V |
| | 0.99 m ³ | 1.29 yd ³ | 914 mm 36" | 1280 kg 2,822 lb | V | V |
| | 1.20 m ³ | 1.57 yd ³ | 1067 mm 42" | 1400 kg 3,087 lb | W | X |
| | 1.41 m ³ | 1.85 yd ³ | 1219 mm 48" | 1543 kg 3,402 lb | X | Y |
| | 1.63 m ³ | 2.13 yd ³ | 1372 mm 54" | 1689 kg 3,724 lb | Y | Z |

V – Used with weights up to 3,500 lb/yd³, W – Used with weights up to 3,000 lb/yd³
 X – Used with weights up to 2,500 lb/yd³, Y – Used with weights up to 2,000 lb/yd³, Z – Not useable

WORKING RANGES

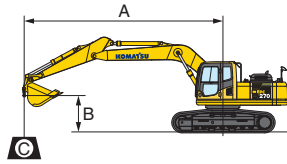


| | Arm | 3045 mm | 10'0" | 3500 mm | 11'6" |
|---|----------------------------------------|----------|--------|----------|-------|
| A | Max. digging height | 10000 mm | 32'10" | 10130 mm | 33'3" |
| B | Max. dumping height | 7035 mm | 23'1" | 7200 mm | 23'7" |
| C | Max. digging depth | 6460 mm | 21'2" | 6940 mm | 22'9" |
| D | Max. vertical wall digging depth | 5650 mm | 18'6" | 5930 mm | 19'5" |
| E | Max. digging depth of cut for 8° level | 6320 mm | 20'9" | 6790 mm | 22'3" |
| F | Max. digging reach | 10100 mm | 33'2" | 10570 mm | 34'8" |
| G | Max. digging reach at ground level | 9990 mm | 32'9" | 10390 mm | 34'1" |
| H | Min. swing radius | 3430 mm | 11'3" | 3490 mm | 11'5" |

LIFTING CAPACITIES



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:

- Boom length: 5850 mm 19'2"
- Bucket: 1.26 m³ 1.65 yd³
- Bucket weight: 845 kg 1,860 lb.
- Lifting mode: On

| PC270LC-8 | | Arm: 3045 mm 10'0" | | | | Shoe: 700 mm 28" | | | | Unit: kg lb | | | |
|----------------|---|--------------------|-------------------|-------------------|-------------------|-------------------|-----------------|------------------|------------------|------------------|-----------------|------------------|-----------------|
| B | A | 1.5 m 5' | | 3.0 m 10' | | 4.6 m 15' | | 6.1 m 20' | | 7.6 m 25' | | ☉ Maximum | |
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| -7.6 m 25' | | | | | | | | | | | | *3450 *7,650 | *3450 *7,650 |
| 6.1 m 20' | | | | | | | | *6350 *14,050 | *6350 *14,050 | *4100 *9,100 | *4100 *9,100 | *3300 *7,300 | *3300 *7,300 |
| 4.6 m 15' | | | | | | | | *7200 *15,950 | 6700 14,800 | *6250 *13,800 | 4500 9,950 | *3350 *7,350 | *3350 *7,350 |
| 3.0 m 10' | | | | *17200 *38,000 | *17200 *38,000 | *10850 *24,000 | 10150 22,350 | *8450 *18,700 | 6350 14,000 | 7250 16,000 | 4350 9,600 | *3500 *7,800 | 3350 7,400 |
| 1.5 m 5' | | | | *8350 *18,450 | *8350 *18,450 | *13350 *29,400 | 9350 20,650 | *9750 *21,500 | 6000 13,200 | 7050 15,550 | 4150 9,250 | *3900 *8,600 | 3200 7,100 |
| 0.0 m 0' | | | | *9950 *21,900 | *9950 *21,900 | *14750 *32,550 | 8900 19,600 | 9850 21,800 | 5700 12,650 | 6900 15,250 | 4050 8,900 | *4500 *9,900 | 3300 7,250 |
| -1.5 m -5' | | *8950 *19,750 | *8950 *19,750 | *14300 *31,600 | *14300 *31,600 | *15000 *33,100 | 8700 19,250 | 9700 21,450 | 5600 12,350 | 6800 15,050 | 3950 8,750 | *5550 *12,250 | 3550 7,900 |
| -3.0 m -10' | | *13850 *30,550 | *13850 *30,550 | *20400 *45,000 | 17900 39,500 | *14150 *31,200 | 8750 19,350 | 9750 21,500 | 5600 12,350 | | | 7350 16,200 | 4250 9,450 |
| -4.6 m -15' | | | | *16550 *36,500 | *16550 *36,500 | *11750 *25,900 | 9000 19,900 | | | | | *8450 *18,600 | 6000 13,200 |

| PC270LC-8 | | Arm: 3500 mm 11'6" | | | | Shoe: 700 mm 28" | | | | Unit: kg lb | | | |
|----------------|---|--------------------|-------------------|-------------------|-------------------|-------------------|------------------|------------------|------------------|------------------|-----------------|------------------|-----------------|
| B | A | 1.5 m 5' | | 3.0 m 10' | | 4.6 m 15' | | 6.1 m 20' | | 7.6 m 25' | | ☉ Maximum | |
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| -7.6 m 25' | | | | | | | | | | | | *2900 *6,450 | *2900 *6,450 |
| 6.1 m 20' | | | | | | | | | | *4400 *9,750 | *4400 *9,750 | *2800 *6,150 | *2800 *6,150 |
| 4.6 m 15' | | | | | | | | *6600 *14,600 | *6600 *14,600 | *5800 *12,850 | 4550 10,000 | *2800 *6,250 | *2800 *6,250 |
| 3.0 m 10' | | | | *14850 *32,750 | *14850 *32,750 | *9950 *21,950 | *9950 *21,950 | *7900 *17,450 | 6400 14,100 | *6850 *15,100 | 4350 9,600 | *3000 *6,600 | *3000 *6,600 |
| 1.5 m 5' | | | | *11800 *26,000 | *11800 *26,000 | *12450 *27,450 | 9250 20,400 | *9250 *20,450 | 6000 13,200 | 7050 15,550 | 4150 9,150 | *3250 *7,250 | 2950 6,550 |
| 0.0 m 0' | | | | *10800 *23,850 | *10800 *23,850 | *14300 *31,600 | 8850 19,500 | 9850 21,700 | 5650 12,500 | 6850 15,100 | 3950 8,800 | *3750 *8,350 | 3000 6,650 |
| -1.5 m -5' | | *8400 *18,600 | *8400 *18,600 | *13950 *30,750 | *13950 *30,750 | *14900 *32,850 | 8600 18,950 | 9600 21,250 | 5500 12,150 | 6750 14,850 | 3900 8,600 | *4600 *10,200 | 3250 7,150 |
| -3.0 m -10' | | *12600 *27,750 | *12600 *27,750 | *19050 *42,000 | 17550 38,750 | *14350 *31,700 | 8550 18,950 | 9600 21,150 | 5450 12,050 | 6750 14,900 | 3900 8,600 | 6250 13,800 | 3800 8,400 |
| -4.6 m -15' | | | | *17950 *39,550 | *17950 *39,550 | *12500 *27,600 | 8750 19,350 | *9000 *19,800 | 5600 12,350 | | | *8150 *18,000 | 5100 11,300 |

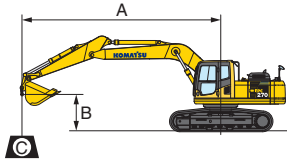
Ratings are based on ISO Standard No. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.
*Load is limited by hydraulic capacity rather than tipping.

PC270LC-8 HYDRAULIC EXCAVATOR

LIFTING CAPACITIES



LIFTING CAPACITY *continued*



- 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:
- Boom length: 5850 mm 19'2"
 - Bucket: 1.26 m³ 1.65 yd³
 - Bucket weight: 845 kg 1,860 lb.
 - Lifting mode: On

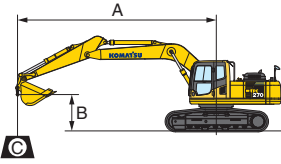
| PC270LC-8 | | Arm: 3045 mm 10'0" | | | | Shoe: 800 mm 31.5" | | | | Unit: kg lb | | | |
|----------------|---|--------------------|-------------------|-------------------|-------------------|--------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|
| B | A | 1.5 m 5' | | 3.0 m 10' | | 4.6 m 15' | | 6.1 m 20' | | 7.6 m 25' | | ☉ Maximum | |
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| -7.6 m 25' | | | | | | | | | | | | *3450 *7,650 | *3450 *7,650 |
| 6.1 m 20' | | | | | | | | *6350 *14,050 | *6350 14,050 | *4100 *9,100 | *4100 *9,100 | *3300 *7,300 | *3300 *7,300 |
| 4.6 m 15' | | | | | | | | *7200 *15,950 | 6800 15,050 | *6250 *13,800 | 4600 10,200 | *3350 *7,350 | *3350 *7,350 |
| 3.0 m 10' | | | | *17200 *38,000 | *17200 *38,000 | *10850 *24,000 | 10300 22,750 | *8450 *18,700 | 6450 14,300 | *7250 *16,000 | 4450 9,850 | *3500 *7,800 | 3400 7,550 |
| 1.5 m 5' | | | | *8350 *18,450 | *8350 *18,450 | *13350 *29,400 | 9550 21,050 | *9750 *21,500 | 6100 13,500 | 7200 15,950 | 4250 9,450 | *3900 *8,600 | 3300 7,300 |
| 0.0 m 0' | | | | *9950 *21,900 | *9950 *21,900 | *14750 *32,550 | 9050 20,000 | 10100 22,300 | 5850 12,900 | 7050 15,600 | 4150 9,150 | *4500 *9,900 | 3350 7,450 |
| -1.5 m -5' | | *8950 *19,750 | *8950 *19,750 | *14300 *31,600 | *14300 *31,600 | *15000 *33,100 | 8900 19,650 | 9950 21,950 | 5700 12,600 | 7000 15,400 | 4050 9,000 | *5550 *12,250 | 3650 8,100 |
| -3.0 m -10' | | *13850 *30,550 | *13850 *30,550 | *20400 *45,000 | 18250 40,300 | *14150 *31,200 | 8950 19,750 | 9950 21,950 | 5700 12,650 | | | 7500 16,550 | 4350 9,650 |
| -4.6 m -15' | | | | *16550 *36,500 | *16550 *36,500 | *11750 *25,900 | 9200 20,300 | | | | | *8450 *18,600 | 6100 13,500 |

| PC270LC-8 | | Arm: 3500 mm 11'6" | | | | Shoe: 800 mm 31.5" | | | | Unit: kg lb | | | |
|----------------|---|--------------------|--------------------|-------------------|-------------------|--------------------|------------------|------------------|------------------|------------------|-----------------|------------------|-----------------|
| B | A | 1.5 m 5' | | 3.0 m 10' | | 4.6 m 15' | | 6.1 m 20' | | 7.6 m 25' | | ☉ Maximum | |
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| -7.6 m 25' | | | | | | | | | | | | *2900 *6,450 | *2900 *6,450 |
| 6.1 m 20' | | | | | | | | | | *4400 *9,750 | *4400 *9,750 | *2800 *6,150 | *2800 *6,150 |
| 4.6 m 15' | | | | | | | | *6600 *14,600 | *6600 *14,600 | *5800 *12,850 | 4650 10,250 | *2800 *6,250 | *2800 *6,250 |
| 3.0 m 10' | | | | *14850 *32,750 | *14850 *32,750 | *9950 *21,950 | *9950 *21,950 | *7900 *17,450 | 6500 14,350 | *6850 *15,100 | 4450 9,850 | *3000 *6,600 | *3000 *6,600 |
| 1.5 m 5' | | | | *11800 *26,000 | *11800 *26,000 | *12450 *27,450 | 9450 20,800 | *9250 *20,450 | 6100 13,500 | 7200 15,900 | 4250 9,400 | *3250 *7,250 | 3050 6,700 |
| 0.0 m 0' | | | | *10800 *23,850 | *10800 *23,850 | *14300 *31,600 | 9050 19,950 | 10050 22,200 | 5800 12,800 | 7000 15,450 | 4050 9,000 | *3750 *8,350 | 3050 6,800 |
| -1.5 m -5' | | *8400 *18,600 | *8400 *18,600 | *13950 *30,750 | *13950 *30,750 | *14900 *32,850 | 8800 19,400 | 9850 21,750 | 5600 12,400 | 6900 15,250 | 3950 8,800 | *4600 *10,200 | 3300 7,350 |
| -3.0 m -10' | | *12,600 *27,750 | *12,600 *27,750 | *19050 *42,000 | 17900 39,550 | *14350 *31,700 | 8750 19,350 | 9800 21,650 | 5600 12,350 | 6900 15,250 | 4000 8,800 | *6250 *13,800 | 3900 8,600 |
| -4.6 m -15' | | | | *17950 *39,550 | *17950 *39,550 | *12500 *27,600 | 8950 19,750 | *9000 *19,800 | 5750 12,650 | | | *8150 *18,000 | 5200 11,500 |

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



LIFTING CAPACITY *continued*



- 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:

- Boom length: 5850 mm 19'2"
- Bucket: 1.26 m³ 1.65 yd³
- Bucket weight: 845 kg 1,860 lb.
- Lifting mode: On

| PC270LC-8 | | Arm: 3045 mm 10'0" | | | | Shoe: 850 mm 33.5" | | | | Unit: kg lb | | | |
|----------------|---|--------------------|-------------------|-------------------|-------------------|--------------------|-----------------|------------------|------------------|------------------|-----------------|------------------|-----------------|
| B | A | 1.5 m 5' | | 3.0 m 10' | | 4.6 m 15' | | 6.1 m 20' | | 7.6 m 25' | | ☉ Maximum | |
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| -7.6 m 25' | | | | | | | | | | | | *3450 *7,650 | *3450 *7,650 |
| 6.1 m 20' | | | | | | | | *6350 *14,050 | *6350 *14,050 | *4100 *9,100 | *4100 *9,100 | *3300 *7,300 | *3300 *7,300 |
| 4.6 m 15' | | | | | | | | *7200 *15,950 | 6900 15,300 | *6250 *13,800 | 4700 10,350 | *3350 *7,350 | *3350 *7,350 |
| 3.0 m 10' | | | | *17200 *38,000 | *17200 *38,000 | *10850 *24,000 | 10450 23,100 | *8450 *18,700 | 6550 14,500 | *7250 *16,000 | 4500 10,000 | *3500 *7,800 | *3500 7,700 |
| 1.5 m 5' | | | | *8350 *18,450 | *8350 *18,450 | *13350 *29,400 | 9700 21,400 | *9750 *21,500 | 6200 13,750 | 7350 16,200 | 4350 9,600 | *3900 *8,600 | 3350 7,400 |
| 0.0 m 0' | | | | *9950 *21,900 | *9950 *21,900 | *14750 *32,550 | 9200 20,350 | *10250 22,650 | 5950 13,150 | 7200 15,850 | 4200 9,300 | *4500 *9,900 | 3400 7,600 |
| -1.5 m -5' | | *8950 *19,750 | *8950 *19,750 | *14300 *31,600 | *14300 *31,600 | *15000 *33,100 | 9050 19,950 | 10100 22,350 | 5800 12,850 | 7100 15,700 | 4150 9,150 | *5550 *12,250 | 3750 8,250 |
| -3.0 m -10' | | *13850 *30,550 | *13850 *30,550 | *20400 *45,000 | 18550 40,900 | *14150 *31,200 | 9100 20,050 | 10150 22,350 | 5800 12,850 | | | 7650 16,850 | 4450 9,850 |
| -4.6 m -15' | | | | *16550 *36,500 | *16550 *36,500 | *11750 *25,900 | 9350 20,650 | | | | | *8450 *18,600 | 6200 13,750 |

| PC270LC-8 | | Arm: 3500 mm 11'6" | | | | Shoe: 850 mm 33.5" | | | | Unit: kg lb | | | |
|----------------|---|--------------------|-------------------|-------------------|-------------------|--------------------|------------------|------------------|------------------|------------------|-----------------|------------------|-----------------|
| B | A | 1.5 m 5' | | 3.0 m 10' | | 4.6 m 15' | | 6.1 m 20' | | 7.6 m 25' | | ☉ Maximum | |
| | | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs |
| -7.6 m 25' | | | | | | | | | | | | *2900 *6,450 | *2900 *6,450 |
| 6.1 m 20' | | | | | | | | *6600 *14,600 | *6600 *14,600 | *4400 *9,750 | *4400 *9,750 | *2800 *6,150 | *2800 *6,150 |
| 4.6 m 15' | | | | | | | | *7900 *17,450 | 6600 14,600 | *5800 *12,850 | 4700 10,400 | *2800 *6,250 | *2800 *6,250 |
| 3.0 m 10' | | | | *14850 *32,750 | *14850 *32,750 | *9950 *21,950 | *9950 *21,950 | *9250 *20,450 | 6200 13,700 | *6850 *15,100 | 4500 10,000 | *3000 *6,600 | *3000 *6,600 |
| 1.5 m 5' | | | | *11800 *26,000 | *11800 *26,000 | *12450 *27,450 | 9600 21,150 | 10200 22,550 | 5900 13,000 | 7300 16,150 | 4300 9,550 | *3250 *7,250 | 3100 6,850 |
| 0.0 m 0' | | | | *10800 *23,850 | *10800 *23,850 | *14300 *31,600 | 9200 20,250 | 10000 22,100 | 5700 12,650 | 7150 15,750 | 4150 9,150 | *3750 *8,350 | 3150 6,950 |
| -1.5 m -5' | | *8400 *18,600 | *8400 *18,600 | *13950 *30,750 | *13950 *30,750 | *14900 *32,850 | 8900 19,700 | 10000 22,050 | 5700 12,550 | 7000 15,500 | 4050 8,950 | *4600 *10,200 | 3400 7,500 |
| -3.0 m -10' | | *12600 *27,750 | *12600 *27,750 | *19050 *42,000 | 18200 40,150 | *14350 *31,700 | 8900 19,700 | *9000 *19,800 | 5850 12,850 | 7050 15,550 | 4050 9,000 | *6250 *13,800 | 3950 8,800 |
| -4.6 m -15' | | | | *17950 *39,550 | *17950 *39,550 | *12500 *27,600 | 9100 20,100 | | | | | *8150 *18,000 | 5300 11,750 |

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



STANDARD EQUIPMENT

- Alternator, 60 Ampere, 24V
- AM/FM radio
- Auto air conditioner with defroster
- Auto-decel
- Automatic deaeration system for fuel line
- Automatic engine warm-up system
- Batteries, large capacity
- Boom and arm holding valve
- Cab
- Console mounted arm rests
- Counterweight 5050 kg **11,133 lb**
- Dry type air cleaner, double element
- Electric horn
- EMMS monitoring system
- Engine, Komatsu SAA6D107E-1
- Engine overheat prevention system
- Fan guard structure
- Fuel system pre-filter 10 micron
- High pressure in-line hydraulic filters
- Hydraulic track adjusters (each side)
- KOMTRAX™
- Mirrors (4)
- Multi-function color monitor
- Power maximizing system
- PPC hydraulic control system
- Radiator and oil cooler dustproof net
- Revolving frame deck guard
- Revolving frame undercovers
- Seat belt, retractable 76 mm **3"**
- Seat, suspension, high back
- Service valve (1 additional)
- Shoes, triple grouser: 800 mm **31.5"**
- Slip resistant foot plates
- Starter motor 5.5 kW
- Track guiding guard, center section
- Travel alarm
- Working light, 2 (boom and RH)
- Working mode selection system



OPTIONAL EQUIPMENT

- Additional working lights
- Air ride suspension seat
- Arms
 - 3045 mm **10'0"** arm
 - 3045 mm **10'0"** HD arm assembly with piping
 - 3500 mm **11'6"** arm assembly
- Boom
 - 5850 mm **19'2"** boom
 - 5850 mm **19'2"** HD boom with piping
- Cab front and top guards
- Converter, 12V
- Hydraulic control units
- Pattern change valve
- Rain visor
- Rear view camera
- Shoes, triple grouser: 700 mm **28"**
- Shoes, triple grouser: 850 mm **33.5"**
- Straight travel pedal
- Sun visor
- Track frame undercover
- Track roller guards (full length)



ATTACHMENT OPTIONS

- Genesis demolition tools
 - Hydraulic quick coupler
 - Quick release mounting pad
 - Severe duty grapple
 - Linkage shear
 - Mechanical processor
 - Concrete cracker
 - Hydraulic concrete processor
- JRB couplers (Smart-Loc, Roto-Loc)
 - Vandal protection guards
 - Swinger buckets
 - Boom cylinder guards
 - Window guards (Lexan, wire mesh)
 - Top window guard (wire mesh)
- Komatsu buckets
- Lincoln autolube systems
- PSM thumbs

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

