

KOMATSU®

PC270LC-8

With Tier 3 Engine

NET HORSEPOWER

140 kW **187 HP** @ 2050 rpm

OPERATING WEIGHT

29636–30569 kg

65,336–67,393 lb

BUCKET CAPACITY

0.58–1.63 m³ **0.76–2.13 yd³**

PC
270
LC

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 PC270LC-7)

- ***Low Emission Engine***

A powerful turbocharged and air-to-air aftercooled Komatsu SAA6D107E-1 engine provides 140 kW **187 HP**(net). 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

- Innovative cab design
- Slip-resistant plates for improved foot grip
- Rear view monitoring system for viewing the work area to the rear of the machine on the monitor panel
- OPG top guard level 2 capable, with optional bolt-on top guard
- High pressure hydraulic in-line filters



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.



NET HORSEPOWER

140 kW 187 HP @ 2050 rpm

OPERATING WEIGHT

29636 – 30569 kg

65,336 – 67,393 lb

BUCKET CAPACITY0.58 – 1.63 m³0.76 – 2.13 yd³**Large TFT LCD Monitor**

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

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 adjustment to the proper operational position

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

Increased Counterweight Mass

by 17% provides excellent lift capacity and stability.

Large Drawbar Pull

Provides superb steering and slope climbing performance.



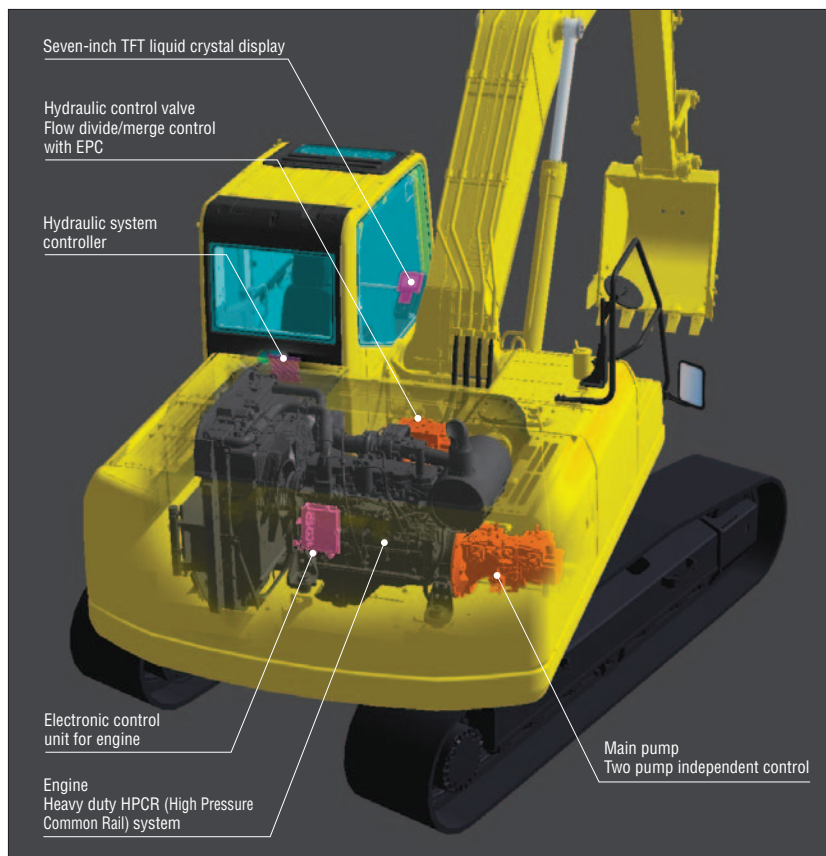
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ECOLOGY & ECONOMY FEATURES

ecot3

ecology & economy - technology 3

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 EPA Tier 3 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.

Photo may include optional equipment

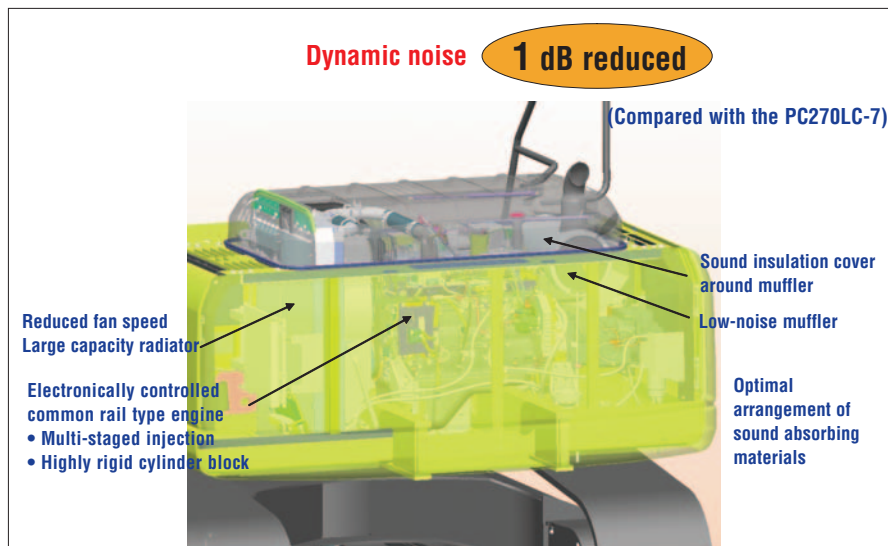
Low Emission Engine

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



Low Operational Noise

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



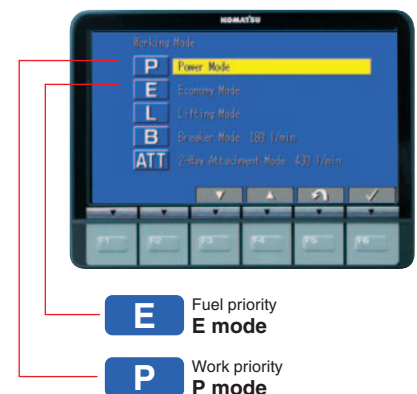
Selectable Working Modes

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 is displayed on the monitor, if the engine idles for 5 minutes or more.



Eco-gauge

WORKING ENVIRONMENT

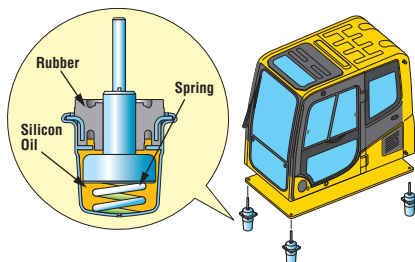


Low Cab Noise

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, this machine generates a low level of noise similar to that of a modern automobile.

Low Vibration with Cab Damper Mounting

The PC270LC-8 uses a multi-layer viscous mount system that incorporates a longer stroke and the addition of a spring. The new cab damper mounting combined with a high rigidity deck aids vibration reduction at the operator seat.



Wide Newly-Designed Cab

Newly-designed wide spacious cab includes a high-back seat with a reclining backrest. The seat height and longitudinal inclination are easily adjusted using a pull-up lever. You can set the appropriate operational posture of the 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

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

Automatic Air Conditioner

Enables you to easily and precisely set cab atmosphere with the simple touch pad controls on the large LCD. The bi-level control function improves air flow and keeps the operator comfortable throughout the year. Defroster function keeps the cab glass clear.



Lock Lever

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



Large LCD Color Monitor

Large Multi-Lingual LCD (Liquid Crystal Display) 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. All switches are simple and easy to operate. Industry-first function keys facilitate multi-function operations. Displays data in 10 languages to globally support operators around the world.

Indicators

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

Basic operation switches

- | | |
|-------------------------|---------------------|
| 1 Auto-decelerator | 4 Buzzer cancel |
| 2 Working mode selector | 5 Wiper |
| 3 Travel speed selector | 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 times
E	Economy mode	Excellent fuel economy
L	Lifting mode	Hydraulic pressure is increased by 7%
B	Breaker mode	Optimum engine rpm, hydraulic flow, 1-way
ATT	Attachment mode	Optimum engine rpm, hydraulic flow, 2-way

Lifting Mode

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

Equipment Management Monitoring System (EMMS)

Monitor Function

Controller monitors engine oil level, coolant temperature, battery charge, 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 the LCD when the replacement interval is reached.



Trouble Data Memory Function

Monitor stores a record of abnormalities for effective troubleshooting.

STABILITY

Increased Stability

The new, heavier counterweight in the PC270LC-8 provides operators with increased lift capacity and with firm footing on the ground to work at maximum production.

In addition, a key production feature is the Power Max function that exerts extra digging forces, enabling the machine to apply maximum effort to tough material or a stuck trench box. The excellent digging power and stability of this excavator provide the perfect solution for any high-productivity job.



MAINTENANCE FEATURES

Side-by-Side Cooling Modules

Since the radiator, aftercooler, and oil cooler are arranged in parallel, they are easy to clean, remove, and install. 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 help 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.



Photo may include optional equipment

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.

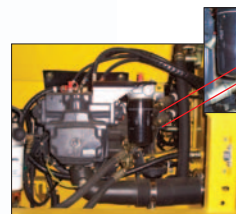


Large-Capacity Fuel Tank with Rustproof Treatment

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

Sloping Track Frame

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 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 easy 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 provides additional hydraulic system protection from contamination.

Extended Work Equipment Greasing Interval

High quality BMRC bushings and resin shims are installed in the work equipment excluding bucket, which can extend the 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 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 emission certified.

**HYDRAULICS**

Type .. HydrauMind (Hydraulic Mechanical Intelligence New Design) system, closed-center with load sensing and pressure compensated valves
 Number of selectable working modes 5
 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
 Swing torque 8889 kg·m **64,292 ft. lbs.**

**UNDERCARRIAGE**

Center frame X-frame
 Track frame Box-section
 Track type Sealed track
 Track adjuster Hydraulic
 Number of shoes 48 each side
 Number of carrier rollers 2 each side
 Number of track rollers 8 each side

**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** bucket*, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

Shoes	Operating Weight	Ground Pressure
700 mm 28"	29636 kg 65,336 lb	0.49 kg/cm² 6.95 psi
800 mm 31.5"	30118 kg 66,399 lb	0.43 kg/cm² 6.18 psi
850 mm 33.5"	30569 kg 67,393 lb	0.42 kg/cm² 5.90 psi

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

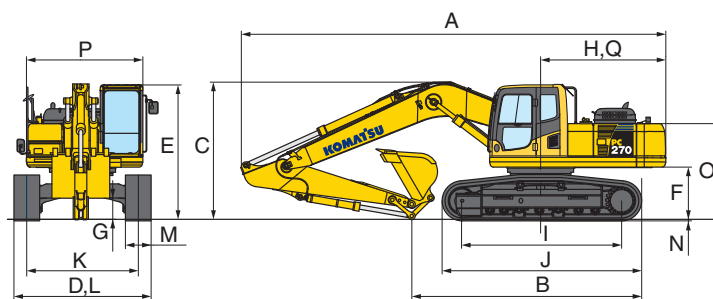
**WORKING FORCES**

	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 TL	0.58 m³	0.76 yd³	610 mm 24"	687 kg	1,514 lb	V	V
	0.78 m³	1.02 yd³	762 mm 30"	807 kg	1,779 lb	V	V
	0.99 m³	1.29 yd³	914 mm 36"	907 kg	2,000 lb	V	V
	1.20 m³	1.57 yd³	1067 mm 42"	988 kg	2,178 lb	V	V
	1.41 m³	1.85 yd³	1219 mm 48"	1088 kg	2,399 lb	V	W
	1.63 m³	2.13 yd³	1372 mm 54"	1168 kg	2,576 lb	W	X
Komatsu GSK	0.58 m³	0.76 yd³	610 mm 24"	765 kg	1,686 lb	V	V
	0.78 m³	1.02 yd³	762 mm 30"	774 kg	1,707 lb	V	V
	0.99 m³	1.29 yd³	914 mm 36"	869 kg	1,915 lb	V	V
	1.20 m³	1.57 yd³	1067 mm 42"	949 kg	2,092 lb	V	V
	1.41 m³	1.85 yd³	1219 mm 48"	1045 kg	2,304 lb	V	W
	1.63 m³	2.13 yd³	1372 mm 54"	1142 kg	2,518 lb	W	X
Komatsu HP	0.58 m³	0.76 yd³	610 mm 24"	812 kg	1,791 lb	V	V
	0.78 m³	1.02 yd³	762 mm 30"	931 kg	2,053 lb	V	V
	0.99 m³	1.29 yd³	914 mm 36"	1054 kg	2,323 lb	V	V
	1.20 m³	1.57 yd³	1067 mm 42"	1154 kg	2,545 lb	V	V
	1.41 m³	1.85 yd³	1219 mm 48"	1278 kg	2,817 lb	V	W
	1.63 m³	2.13 yd³	1372 mm 54"	1404 kg	3,095 lb	W	X
Komatsu HPS	0.58 m³	0.76 yd³	610 mm 24"	870 kg	1,917 lb	V	V
	0.78 m³	1.02 yd³	762 mm 30"	1020 kg	2,248 lb	V	V
	0.99 m³	1.29 yd³	914 mm 36"	1162 kg	2,562 lb	V	V
	1.20 m³	1.57 yd³	1067 mm 42"	1282 kg	2,827 lb	V	V
	1.41 m³	1.85 yd³	1219 mm 48"	1425 kg	3,142 lb	V	X
	1.63 m³	2.13 yd³	1372 mm 54"	1571 kg	3,464 lb	X	Y
Komatsu HPX	0.58 m³	0.76 yd³	610 mm 24"	987 kg	2,177 lb	V	V
	0.78 m³	1.02 yd³	762 mm 30"	1138 kg	2,508 lb	V	V
	0.99 m³	1.29 yd³	914 mm 36"	1280 kg	2,822 lb	V	V
	1.20 m³	1.57 yd³	1067 mm 42"	1400 kg	3,087 lb	V	W
	1.41 m³	1.85 yd³	1219 mm 48"	1543 kg	3,402 lb	W	X
	1.63 m³	2.13 yd³	1372 mm 54"	1689 kg	3,724 lb	X	Y

V – Used with densities up to 3,500 lb/yd³, W – Used with densities up to 3,000 lb/yd³

X – Used with densities up to 2,500 lb/yd³, Y – Used with densities up to 2,000 lb/yd³, Z – Not useable

NOTE: This bucket selection chart only applies to machines with S/N A87221 and above.

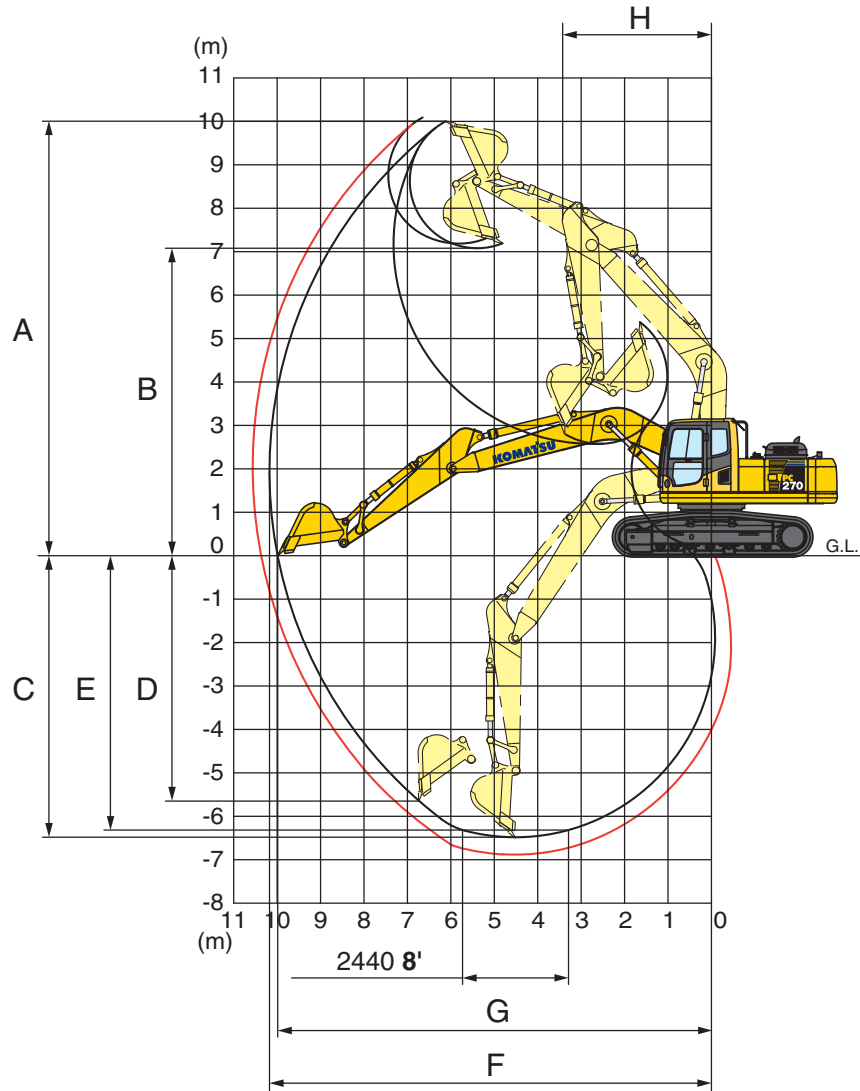
COMMENTS: When using any quick coupler or other attachment equipment, there is an increased risk of the bucket hitting the cab.

*See the Operation & Maintenance Manual for detailed bucket installation instructions.

WORKING RANGES



WORKING RANGE

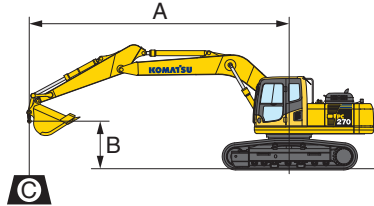


	Arm	3045 mm	10'0"	3500 mm	11'6"
A	Max. digging height	10000 mm	32'10"	10130 mm	33'3"
B	Max. dumping height	7035 mm	23'1"	7200 mm	23'7"
C	Max. digging depth	6460 mm	21'2"	6940 mm	22'9"
D	Max. vertical wall digging depth	5650 mm	18'6"	5930 mm	19'5"
E	Max. digging depth of cut for 8° level	6320 mm	20'9"	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: 1.14 m³ **1.49 yd³**
- Bucket weight: 808 kg **1,781 lb**
- Lifting mode: On
- Counterweight: 5800 kg **12,787 lb**

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'												*3550 *7,900	*3550 *7,900
6.1 m 20'								*6450 *14,300	*6450 *14,300	*4250 *9,350	*4250 *9,350	*3400 *7,550	*3400 *7,550
4.6 m 15'								*7300 *16,150	7250 16,000	*6350 *14,050	4950 10,950	*3450 *7,600	*3450 *7,600
3.0 m 10'				*17350 *38,250	*17350 *38,250	*11000 *24,250	10900 24,050	*8550 *18,950	6900 15,250	*7350 *16,250	4800 10,600	*3600 *8,000	*3600 *8,000
1.5 m 5'				*8500 *18,750	*8500 *18,750	*13450 *29,700	10100 22,350	*9850 *21,750	6550 14,450	7600 16,800	4600 10,200	*3950 *8,800	3600 7,950
0.0 m 0'				*10050 *22,200	*10050 *22,200	*14900 *32,800	9850 21,300	10600 23,400	6250 13,850	7450 16,450	4450 9,900	*4600 *10,100	3650 8,150
-1.5 m -5'		*9050 *20,000	*9050 *20,000	*14450 *31,850	*14450 *31,850	*15150 *33,400	9500 20,950	10450 23,050	6150 13,550	7400 16,300	4400 9,750	*5650 *12,450	4000 8,850
-3.0 m -10'		*13950 *30,850	*13950 *30,850	*20550 *45,300	19300 42,600	*14250 *31,450	9550 21,050	10450 23,100	6150 13,600			*7750 *17,050	4750 10,450
-4.6 m -15'				*16650 *36,750	*16650 *36,750	*11850 *26,150	9800 21,600					*8550 *18,850	6550 14,450

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'												*3000 *6,700	*3000 *6,700
6.1 m 20'										*4500 *10,000	*4500 *10,000	*2900 *6,400	*2900 *6,400
4.6 m 15'								*6700 *14,850	*6700 *14,850	*5900 *13,050	4950 11,000	*2900 *6,500	*2900 *6,500
3.0 m 10'				*15100 *33,300	*15100 *33,300	*10050 *22,150	*10050 *22,150	*8000 *17,700	6950 15,300	*6950 *15,350	4800 10,600	*3100 *6,800	*3100 *6,800
1.5 m 5'				*11900 *26,300	*11900 *26,300	*12700 *28,000	10200 22,500	*9350 *20,700	6550 14,450	7600 16,750	4600 10,150	*3350 *7,450	3300 7,350
0.0 m 0'				*10950 *24,100	*10950 *24,100	*14450 *31,850	9600 21,250	*10400 *23,000	6200 13,750	7400 16,350	4400 9,750	*3850 *8,550	3400 7,450
-1.5 m -5'		*8550 *18,850	*8550 *18,850	*14050 *31,050	*14050 *31,050	*15000 *33,150	9350 20,700	10350 22,850	6050 13,350	7300 16,100	4300 9,550	*4700 *10,400	3650 8,050
-3.0 m -10'		*12700 *28,000	*12700 *28,000	*19150 *42,300	19000 41,850	*14500 *32,000	9350 20,650	10300 22,800	6000 13,300	7300 16,150	4350 9,600	6300 13,950	4250 9,350
-4.6 m -15'				*18050 *39,800	*18050 *39,800	*12600 *27,850	9550 21,050	*9100 *20,100	6150 13,600			*8250 *18,250	5600 12,450

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.

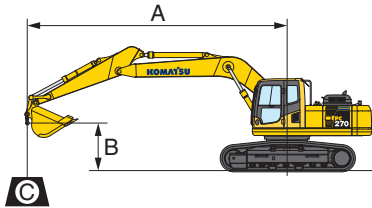
NOTE: These lift charts only apply to machines with S/N A87221 and above.

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:

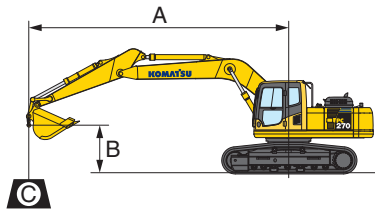
- Boom length: 5850 mm **19'2"**
- Bucket: 1.14 m³ **1.49 yd³**
- Bucket weight: 808 kg **1,781 lb.**
- Lifting mode: On
- Counterweight: 5800 kg **12,787 lb**

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'												*3550 *7,900	*3550 *7,900
6.1 m 20'								*6450 *14,300	*6450 *14,300	*4250 *9,350	*4250 *9,350	*3400 *7,550	*3400 *7,550
4.6 m 15'								*7300 *16,150	*7300 *16,150	*6350 *14,050	5050 11,200	*3450 *7,600	*3450 *7,600
3.0 m 10'				*17350 *38,250	*17350 *38,250	*11000 *24,250	*11000 *24,250	*8550 *18,950	7050 15,600	*7350 *16,250	4900 10,850	*3600 *8,000	*3600 *8,000
1.5 m 5'				*8500 *18,750	*8500 *18,750	*13450 *29,700	10350 22,850	*9850 *21,750	6700 14,800	7800 17,250	4750 10,450	*3950 *8,800	3700 8,200
0.0 m 0'				*10050 *22,200	*10050 *22,200	*14900 *32,800	9900 21,850	*10750 *23,750	6450 14,200	7650 16,900	4600 10,150	*4600 *10,100	3750 8,350
- 1.5 m - 5'		*9050 *20,000	*9050 *20,000	*14450 *31,850	*14450 *31,850	*15150 *33,400	9700 21,450	10700 23,650	6300 13,900	7550 16,750	4550 10,000	*5650 *12,450	4100 9,050
- 3.0 m - 10'		*13950 *30,850	*13950 *30,850	*20550 *45,300	19750 43,600	*14250 *31,450	9750 21,550	*10500 *23,200	6300 13,950			*7750 *17,050	4850 10,750
- 4.6 m - 15'				*16650 *36,750	*16650 *36,750	*11850 *26,150	10000 22,100					*8550 *18,850	6700 14,800

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'												*3000 *6,700	*3000 *6,700
6.1 m 20'										*4500 *10,000	*4500 *10,000	*2900 *6,400	*2900 *6,400
4.6 m 15'								*6700 *14,850	*6700 *14,850	*5900 *13,050	5100 11,250	*2900 *6,500	*2900 *6,500
3.0 m 10'				*15100 *33,300	*15100 *33,300	*10050 *22,150	*10050 *22,150	*8000 *17,700	7100 15,650	*6950 *15,350	4900 10,850	*3100 *6,800	*3100 *6,800
1.5 m 5'				*11900 *26,300	*11900 *26,300	*12700 *28,000	10400 23,000	*9350 *20,700	6700 14,800	7700 16,950	4700 10,400	*3350 *7,450	*3350 *7,450
0.0 m 0'				*10950 *24,100	*10950 *24,100	*14450 *31,850	9850 21,750	*10400 *23,000	6400 14,100	7600 16,750	4550 10,050	*3850 *8,550	3450 7,700
- 1.5 m - 5'		*8550 *18,850	*8550 *18,850	*14050 *31,050	*14050 *31,050	*15000 *33,150	9600 21,200	10600 23,450	6200 13,700	7500 16,550	4450 9,800	*4700 *10,400	3750 8,250
- 3.0 m - 10'		*12,700 *28,000	*12,700 *28,000	*19150 *42,300	*19150 *42,300	*14500 *32,000	9600 21,150	10600 23,350	6150 13,650	7500 16,550	4450 9,850	*6300 *13,950	4350 9,650
- 4.6 m - 15'				*18050 *39,800	*18050 *39,800	*12600 *27,850	9800 21,600	*9100 *20,100	6300 13,950			*8250 *18,250	5750 12,750

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.

NOTE: These lift charts only apply to machines with S/N A87221 and above.

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: 1.14 m³ 1.49 yd³
- Bucket weight: 808 kg 1,781 lb.
- Lifting mode: On
- Counterweight: 5800 kg 12,787 lb

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'												*3550 *7,900	*3550 *7,900
6.1 m 20'								*6450 *14,300	*6450 *14,300	*4250 *9,350	*4250 *9,350	*3400 *7,550	*3400 *7,550
4.6 m 15'								*7300 *16,150	7300 16,150	*6350 *14,050	5100 11,300	*3450 *7,600	*3450 *7,600
3.0 m 10'				*17350 *38,250	*17350 *38,250	*11000 *24,250	*11000 *24,250	*8550 *18,950	7100 15,650	*7350 *16,250	4950 10,950	*3600 *8,000	*3600 *8,000
1.5 m 5'				*8500 *18,750	*8500 *18,750	*13450 *29,700	10400 23,000	*9850 *21,750	6750 14,900	7850 17,350	4750 10,550	*3950 *8,800	3750 8,250
0.0 m 0'				*10050 *22,200	*10050 *22,200	*14900 *32,800	9950 21,950	10750 23,750	6450 14,300	7700 17,000	4650 10,250	*4600 *10,100	3800 8,400
-1.5 m -5'		*9050 *20,000	*9050 *20,000	*14450 *31,850	*14450 *31,850	*15150 *33,400	9800 21,600	10800 23,800	6350 14,000	7650 16,850	4550 10,100	*5650 *12,450	4150 9,150
-3.0 m -10'		*13950 *30,850	*13950 *30,850	*20550 *45,300	19900 43,850	*14250 *31,450	9800 21,700	10500 23,200	6350 14,000			*7750 *17,050	4900 10,800
-4.6 m -15'				*16650 *36,750	*16650 *36,750	*11850 *26,150	10050 22,250					*8550 *18,850	6750 14,900

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'												*3000 *6,700	*3000 *6,700
6.1 m 20'								*6700 *14,850	*6700 *14,850	*4500 *10,000	*4500 *10,000	*2900 *6,400	*2900 *6,400
4.6 m 15'								*8000 *17,700	7150 15,750	*5900 *13,050	5150 11,350	*2900 *6,500	*2900 *6,500
3.0 m 10'				*15100 *33,300	*15100 *33,300	*10050 *22,150	*10050 *22,150	*9350 *20,700	6750 14,850	*6950 *15,350	4950 10,950	*3100 *6,800	*3100 *6,800
1.5 m 5'				*11900 *26,300	*11900 *26,300	*12700 *28,000	10500 23,150	*10400 *23,000	6400 14,200	*7700 *16,950	4750 10,500	*3350 *7,450	*3350 *7,450
0.0 m 0'				*10950 *24,100	*10950 *24,100	*14450 *31,850	9900 21,900	10700 23,600	6250 13,800	7650 16,900	4550 10,100	*3850 *8,550	3500 7,750
-1.5 m -5'		*8550 *18,850	*8550 *18,850	*14050 *31,050	*14050 *31,050	*15000 *33,150	9650 21,350	*10650 *23,500	6200 13,700	7550 16,650	4450 9,900	*4700 *10,400	3750 8,350
-3.0 m -10'		*12700 *28,000	*12700 *28,000	*19150 *42,300	*19150 *42,300	*14500 *32,000	9650 21,300	*9100 *20,100	6350 14,050	7550 16,700	4500 9,900	*6300 *13,950	4400 9,700
-4.6 m -15'				*18050 *39,800	*18050 *39,800	*12600 *27,850	9850 21,700					*8250 *18,250	5800 12,850

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.

NOTE: These lift charts only apply to machines with S/N A87221 and above.



STANDARD EQUIPMENT (BEGINNING WITH S/N A87221)

- 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 5800 kg **12,787 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™
- Lock lever
- Mirrors, LH (1), RH (2)
- Multi-function color monitor
- Pattern change valve (S/N A87365 and up)
- Power maximizing system
- PPC hydraulic control system
- Pump/engine room partition
- Radiator and oil cooler dustproof net
- Rearview camera
- 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"**
- Skylight
- Slip resistant foot plates
- Starter motor 5.5 kW
- Thermal and fan guards
- Track frame undercover
- 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
- Bolt-on top guard (operator protective guards, Level 2)
- Boom
 - 5850 mm **19'2"** boom
 - 5850 mm **19'2"** HD boom with piping
- Converter, 12V
- Full front guard, Level 1
- Full front guard, Level 2
- Hydraulic control units
- Rain visor
- Shoes, triple grouser: 700 mm **28"**
- Shoes, triple grouser: 850 mm **33.5"**
- Straight travel pedal
- Sun visor
- 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 attachments
 - 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

KOMATSU®

PC308USLC-3

With Tier 3 Engine

FLYWHEEL HORSEPOWER

140 kW **187 HP** @ 2050 rpm

OPERATING WEIGHT

32061–33178 kg **70,682–73,146 lb**

BUCKET CAPACITY

0.58–1.63 m³ **0.76–2.13 yd³**

PC
308US
LC

HYDRAULIC EXCAVATOR



Photo may include optional equipment

WALK-AROUND

Working in congested or confined areas can be a challenge. Komatsu's PC308USLC-3 Hydraulic Excavators have a short tail swing profile, designed specifically for work in confined

areas. By reducing tail swing, the PC308USLC-3 can work in areas where conventional profile excavators would pose a safety risk. Perfect for work on roadways, bridges, in urban areas, or anywhere space is limited, the PC308USLC-3 provides the performance and productivity you expect from Komatsu equipment.

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 emission certified, without sacrificing power or machine productivity.

Standard features

- Effortless joy stick controls
- Large seat
- Cup holder
- Sliding window
- Internal storage with hot and cold box
- Auto air conditioning

High mobility

Superior drawbar pull and steering force are displayed when operating on a slope or other rough terrain.

Larger cab

- Komatsu's low noise cab design uses viscous cab mounting
- The sliding convex door facilitates easy entrance in confined areas and reduces the danger of the door being damaged on roadways because the door does not protrude when open



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.

***Electronic Management Controls More***

- Three travel speeds
- Four working modes designed to match engine speed, pump delivery, and system pressure
- Power mode maximizes production and power
- Breaker mode for optimum engine rpm, hydraulic flow, and pressure
- Economy mode for lower fuel consumption and noise
- Lifting mode for high lift capacity

High stability

The PC308USLC-3 offers exceptional lifting capacity and high stability with a large counterweight that requires no additional clearance.



Photo may include optional equipment

NET HORSEPOWER

140 kW 187 HP @ 2050 rpm

OPERATING WEIGHT

32061 – 33178 kg

70,682 – 73,146 lb

BUCKET CAPACITY

0.58 – 1.63 m³

0.76 – 2.13 yd³

***Small occupied width***

Komatsu's PC308USLC-3 occupies a width of 5325 mm **17'5"**, or less, with a loaded bucket. This allows the machine to work in confined areas. The tail swing protrudes only 1.5" from the tracks.



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

ECOLOGY & ECONOMY FEATURES

ecot3

ecology & economy - technology 3

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.

Environment Friendly Clean Engine

The newly-developed Komatsu SAA6D107E-1 [ecot3] engine enables NOx emissions to be significantly reduced by 29% 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.



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.



WORKING ENVIRONMENT

PC308USLC-3 cab interior is spacious and provides a comfortable working environment...



Operator's Cab

Multi-Position Controls

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

A double-slide mechanism allows the seat and controllers to move together or independently, enabling the operator to position the controllers for maximum productivity and comfort.

Cab Mount

The cab rests on viscous damping mounts to reduce vibration and noise from the machine body. Operator fatigue is reduced.

Large Capacity Auto Air Conditioning and Heating Unit

The PC308USLC-3 has excellent air conditioning and heating capacity. The bi-level controls provide cool air to the operator's head and warm air to the feet providing comfort throughout the year. The defroster function keeps the front glass clear.

Capacities		
Cooling	6900 kcal	27,379 Btu
Heating	5200 kcal	20,634 Btu

Washable Floor

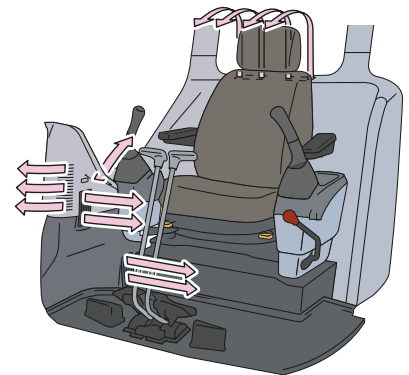
The PC308USLC-3's floor is easy to keep clean. The gently inclined surface has a flanged floormat and drainage holes to facilitate run-off.

Noise

Komatsu's low noise design uses viscous cab mounts for reduced noise.

Sliding Convex Door

The sliding convex door facilitates easy entry and exit in confined areas while reducing the danger of being damaged on roadways because the door does not protrude when open. The cab also features a sliding window on the door.



SPECIFICATIONS



HYDRAULICS



OPERATING WEIGHT (APPROXIMATE)

Shoes		Operating Weight		Ground Pressure	
mm	in	kg	lb	kg/cm ²	psi
700 mm	28"	32061	70,682	0.53	7.54
800 mm	31.5"	32438	71,513	0.46	6.54
850 mm	33.5"	32630	71,938	0.44	6.26



SWING SYSTEM



UNDERCARRIAGE



COOLANT AND LUBRICANT CAPACITY (REFILLING)



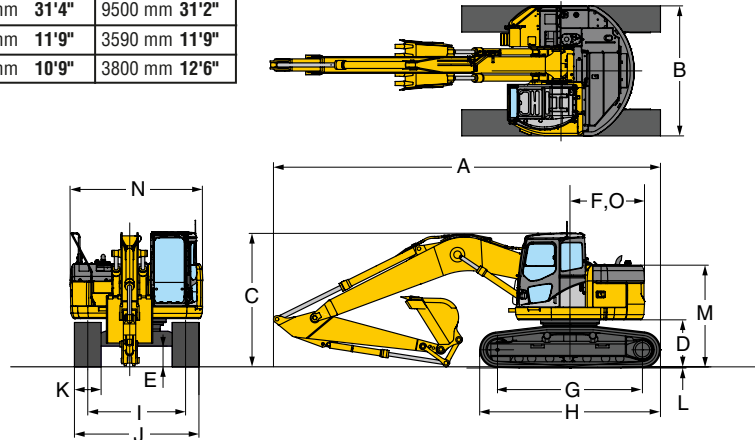
WORKING FORCES

	Arm	3045 mm 10'0"	3500 mm 11'6"	4200 mm 13'9"
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
	Arm crowd force at power max.	136 kN 13900 kgf/ 30,640 lb	123 kN 12500 kgf/ 27,650 lb	108 kN 11000 kgf/ 24,270 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
	Arm crowd force at power max.	138 kN 14100 kgf/ 31,080 lb	126 kN 12800 kgf/ 28,210 lb	111 kN 11400 kgf/ 24,950 lb



DIMENSIONS

	Arm length	3045 mm 10'0"	3500 mm 11'6"	4200 mm 13'9"
A	Overall length	9545 mm 31'4"	9570 mm 31'4"	9500 mm 31'2"
B	Overall width	3590 mm 11'9"	3590 mm 11'9"	3590 mm 11'9"
C	Overall height (to top of boom)	3210 mm 10'6"	3280 mm 10'9"	3800 mm 12'6"
D	Ground clearance, counterweight	1185 mm 3'10"		
E	Ground clearance (minimum)	498 mm 1'8"		
F	Tail swing radius	1830 mm 6'0"		
G	Track length on ground	4030 mm 13'2"		
H	Track length	4955 mm 16'3"		
I	Track gauge	2740 mm 8'11"		
J	Width of crawler	3590 mm 11'9"		
K	Shoe width	850 mm 2'9"		
L	Grouser height	36 mm 1.4"		
M	Machine cab height	2545 mm 8'4"		
N	Machine cab width	3080 mm 10'1"		
O	Distance, swing center to rear end	1830 mm 6'0"		



BACKHOE BUCKET, ARM, AND BOOM COMBINATION

Bucket Type	Bucket			Arms		
	Capacity	Width	Weight	3.0 m 10'0"	Ref #1 3.5 m 11'6"	Ref #2 4.2 m 13'9"
Komatsu GSK	0.58 m ³ 0.76 yd ³	610 mm 24"	765 kg 1,686 lb	V	V	V
	0.78 m ³ 1.02 yd ³	762 mm 30"	774 kg 1,707 lb	V	V	V
	0.99 m ³ 1.29 yd ³	914 mm 36"	869 kg 1,915 lb	V	V	W
	1.20 m ³ 1.57 yd ³	1067 mm 42"	949 kg 2,092 lb	V	V	X
	1.41 m ³ 1.85 yd ³	1219 mm 48"	1045 kg 2,304 lb	V	W	Y
	1.63 m ³ 2.13 yd ³	1372 mm 54"	1142 kg 2,518 lb	W	X	Z
Komatsu HP	0.58 m ³ 0.76 yd ³	610 mm 24"	812 kg 1,791 lb	V	V	V
	0.78 m ³ 1.02 yd ³	762 mm 30"	931 kg 2,053 lb	V	V	V
	0.99 m ³ 1.29 yd ³	914 mm 36"	1054 kg 2,323 lb	V	V	W
	1.20 m ³ 1.57 yd ³	1067 mm 42"	1154 kg 2,545 lb	V	W	Y
	1.41 m ³ 1.85 yd ³	1219 mm 48"	1278 kg 2,817 lb	W	X	Z
	1.63 m ³ 2.13 yd ³	1372 mm 54"	1404 kg 3,095 lb	X	Y	Z
Komatsu HPS	0.58 m ³ 0.76 yd ³	610 mm 24"	870 kg 1,917 lb	V	V	V
	0.78 m ³ 1.02 yd ³	762 mm 30"	1020 kg 2,248 lb	V	V	V
	0.99 m ³ 1.29 yd ³	914 mm 36"	1162 kg 2,562 lb	V	V	X
	1.20 m ³ 1.57 yd ³	1067 mm 42"	1282 kg 2,827 lb	V	W	Y
	1.41 m ³ 1.85 yd ³	1219 mm 48"	1425 kg 3,142 lb	W	X	Z
	1.63 m ³ 2.13 yd ³	1372 mm 54"	1571 kg 3,464 lb	X	Y	Z
Komatsu HPX	0.58 m ³ 0.76 yd ³	610 mm 24"	987 kg 2,177 lb	V	V	V
	0.78 m ³ 1.02 yd ³	762 mm 30"	1138 kg 2,508 lb	V	V	V
	0.99 m ³ 1.29 yd ³	914 mm 36"	1280 kg 2,822 lb	V	V	X
	1.20 m ³ 1.57 yd ³	1067 mm 42"	1400 kg 3,087 lb	V	W	Y
	1.41 m ³ 1.85 yd ³	1219 mm 48"	1543 kg 3,402 lb	W	Y	Z
	1.63 m ³ 2.13 yd ³	1372 mm 54"	1689 kg 3,724 lb	X	Y	Z

V – Used with material density up to 3,500 lb/yd³, W – Used with material density up to 3,000 lb/yd³

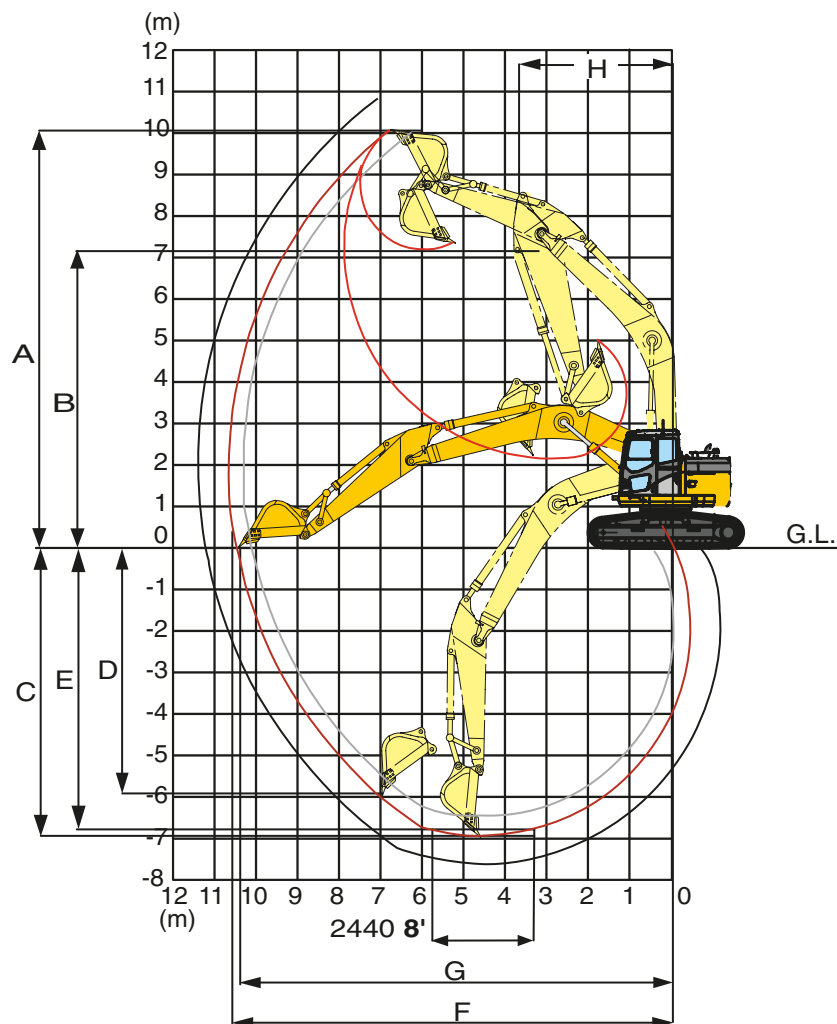
X – Used with material density up to 2,500 lb/yd³, Y – Used with material density up to 2,000 lb/yd³, Z – Not useable

Reference 1: When using the 3500 mm 11'6" arm, the maximum recommended tip radius of the bucket is 1450 mm 4'9". If this is exceeded, there is risk of hitting the cab with the bucket.

Reference 2: When using the 4200 mm 13'9" arm, if the width of the bucket exceeds 700 mm 28", there is risk of the bucket hitting the cab.

Comments : When using any quick coupler, there is an increased risk of the bucket hitting the cab.
*See the Operation & Maintenance manual for detailed bucket installation instructions.

WORKING RANGES

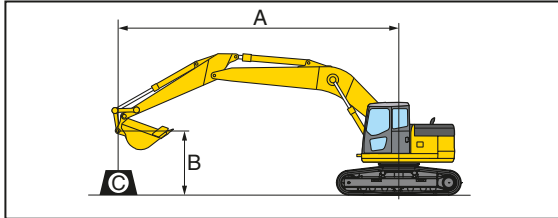

WORKING RANGE


	Arm	3045 mm	10'0"	3500 mm	11'6"	4200 mm	13'9"
A	Max. digging height	10000 mm	32'10"	10130 mm	33'3"	10730 mm	35'2"
B	Max. dumping height	7035 mm	23'1"	7200 mm	23'7"	7985 mm	26'2"
C	Max. digging depth	6460 mm	21'2"	6940 mm	22'9"	7560 mm	24'10"
D	Max. vertical wall digging depth	5650 mm	18'6"	5930 mm	19'5"	6920 mm	22'8"
E	Max. digging depth 8' level bottom	6320 mm	20'9"	6790 mm	22'3"	7430 mm	24'4"
F	Max. digging reach	10210 mm	33'6"	10640 mm	34'11"	11540 mm	37'10"
G	Max. digging reach at ground level	10060 mm	33'0"	10460 mm	34'3"	11185 mm	36'8"
H	Min. swing radius	3495 mm	11'5"	3560 mm	11'8"	3620 mm	11'10"

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: 1.20 m³ 1.57 yd³
- Bucket weight: 808 kg 1,781 lb.
- Lifting mode: On

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	
7.6 m 25'												*3580 *7,900
6.1 m 20'								*6490 *14,300	*6490 *14,300	*4490 *9,900	*4490 *9,900	*3420 *7,500
4.6 m 15'								*7380 *16,200	*7380 *16,200	*6530 *14,400	5170 11,400	*3460 *7,600
3.0 m 10'				*17920 *39,500	*17920 *39,500	*11180 *24,600	*11180 *24,600	*8670 *19,100	7200 15,800	*7430 *16,300	5010 11,000	*3640 *8,000
1.5 m 5'				*7720 *17,000	*7720 *17,000	*13720 *30,200	10630 23,400	*9980 *22,000	6830 15,000	7630 16,800	4820 10,600	*4000 *8,800
0.0 m 0'				*9600 *21,100	*9600 *21,100	*15160 *33,400	10150 22,300	10620 23,400	6560 14,400	7470 16,400	4680 10,300	*4600 *10,100
-1.5 m -5'		*9000 *19,800	*9000 *19,800	*14040 *30,900	*14040 *30,900	*15390 *33,900	9980 22,000	10460 23,000	6420 14,100	7400 16,300	4610 10,100	*5650 *12,400
-3.0 m -10'		*13850 *30,500	*13850 *30,500	*20340 *44,800	*20340 *44,800	*14490 *31,900	10030 22,100	10470 23,100	6430 14,100			*7760 *17,100
-4.6 m -15'				*16950 *37,300	*16950 *37,300	*12040 *26,500	10280 22,600					*8570 *18,800

* 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.

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	
7.6 m 25'												*3040 *6,700
6.1 m 20'										*4670 *10,200	*4670 *10,200	*2920 *6,400
4.6 m 15'								*6770 *14,900	*6770 *14,900	*6030 *13,300	5200 11,400	*2950 *6,500
3.0 m 10'				*15,400 *33,900	*15,400 *33,900	*10210 *22,500	*10210 *22,500	*8100 *17,800	7240 15,900	*7010 *15,400	5010 11,000	*3100 *6,800
1.5 m 5'				*10960 *24,100	*10960 *24,100	*12940 *28,500	10690 23,500	*9500 *20,900	6830 15,000	7610 16,700	4800 10,500	*3400 *7,400
0.0 m 0'				*10440 *23,000	*10440 *23,000	*14720 *32,400	10110 22,300	10570 23,300	6510 14,300	7420 16,300	4620 10,100	*3890 *8,500
-1.5 m -5'		*8450 *18,600	*8450 *18,600	*13660 *30,100	*13660 *30,100	*15290 *33,700	9860 21,700	10370 22,800	6330 13,900	7310 16,100	4520 9,900	*4730 *10,400
-3.0 m -10'		*12570 *27,700	*12570 *27,700	*18720 *41,200	*18720 *41,200	*14740 *32,500	9850 21,700	10330 22,700	6300 13,800	7320 16,100	4530 9,900	*6350 *14,000
-4.6 m -15'				*18400 *40,500	*18400 *40,500	*12820 *28,200	10050 22,100	*9250 *20,400	6440 14,200			*8280 *18,200

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 Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

LIFTING CAPACITIES



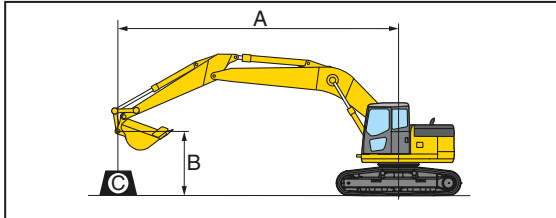
LIFTING CAPACITY (CONTINUED)

Arm: 4200 mm 13'9"			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'									*3700 *8,100	*3700 *8,100	*2350 *5,100	*2350 *5,100
6.1 m 20'									*4430 *9,700	*4430 *9,700	*2220 *4,900	*2220 *4,900
4.6 m 15'									*5100 *11,200	4960 10,900	*2200 *4,800	*2200 *4,800
3.0 m 10'							*7080 *15,600	6910 15,200	*6270 *13,800	4730 10,400	*2260 *5,000	*2260 *5,000
1.5 m 5'			*16490 *36,300	*16490 *36,300	*11500 *25,300	10160 22,400	*8600 *18,900	6440 14,200	*7120 *15,700	4480 9,800	*2420 *5,300	*2420 *5,300
0.0 m 0'			*10310 *22,700	*10310 *22,700	*13750 *30,300	9420 20,700	*9890 *21,800	6050 13,300	7520 16,500	4260 9,300	*2690 *5,900	*2690 *5,900
-1.5 m -5'	*6630 *14,600	*6630 *14,600	*11960 *26,300	*11960 *26,300	*14860 *32,700	9020 19,800	10470 23,100	5790 12,700	7350 16,200	4110 9,000	*3140 *6,900	2900 6,400
-3.0 m -10'	*10030 *22,100	*10030 *22,100	*15730 *34,600	*15730 *34,600	*14850 *32,700	8900 19,600	10360 22,800	5690 12,500	7290 16,000	4050 8,900	*3920 *8,600	3290 7,200
-4.6 m -15'	*14250 *31,400	*14250 *31,400	*20150 *44,400	18440 40,600	*13650 *30,000	9010 19,800	*9940 *21,900	5750 12,600	*6050 *13,300	4150 9,100	*5470 *12,000	4110 9,000

* 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:

- Boom length: 5850 mm 19'2"
- Bucket: 1.20 m³ 1.57 yd³
 - Bucket weight: 808 kg 1,781 lb.
- Lifting mode: On

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'											*3580 *7,900	*3580 *7,900
6.1 m 20'							*6490 *14,300	*6490 *14,300	*4490 *9,900	*4490 *9,900	*3420 *7,500	*3420 *7,500
4.6 m 15'							*7380 *16,200	*7380 *16,200	*6530 *14,400	5140 11,300	*3460 *7,600	*3460 *7,600
3.0 m 10'			*17920 *39,500	*17920 *39,500	*11180 *24,600	*11180 *24,600	*8670 *19,100	7160 15,700	*7430 *16,300	4970 10,900	*3640 *8,000	*3640 *8,000
1.5 m 5'			*7720 *17,000	*7720 *17,000	*13720 *30,200	10560 23,200	*9980 *22,000	6790 14,900	7580 16,700	4790 10,500	*4000 *8,800	3690 8,100
0.0 m 0'			*9600 *21,100	*9600 *21,100	*15160 *33,400	10080 22,200	10540 23,200	6510 14,300	7420 16,300	4640 10,200	*4600 *10,100	3760 8,300
−1.5 m −5'	*9000 *19,800	*9000 *19,800	*14040 *30,900	*14040 *30,900	*15390 *33,900	9910 21,800	10390 22,900	6380 14,000	7340 16,100	4570 10,000	*5650 *12,400	4090 9,000
−3.0 m −10'	*13850 *30,500	*13850 *30,500	*20340 *44,800	*20340 *44,800	*14490 *31,900	9960 21,900	10400 22,900	6390 14,000			*7760 *17,100	4840 10,600
−4.6 m −15'			*16950 *37,300	*16950 *37,300	*12040 *26,500	10220 22,500					*8570 *18,800	6690 14,700

* 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.

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'											*3040 *6,700	*3040 *6,700
6.1 m 20'									*4670 *10,200	*4670 *10,200	*2920 *6,400	*2920 *6,400
4.6 m 15'							*6770 *14,900	*6770 *14,900	*6030 *13,300	5160 11,300	*2950 *6,500	*2950 *6,500
3.0 m 10'			*15,400 *33,900	*15,400 *33,900	*10210 *22,500	*10210 *22,500	*8100 *17,800	7190 15,800	*7010 *15,400	4970 10,900	*3100 *6,800	*3100 *6,800
1.5 m 5'			*10960 *24,100	*10960 *24,100	*12940 *28,500	10630 23,400	*9500 *20,900	6780 14,900	7560 16,600	4760 10,500	*3400 *7,400	*3400 *7,400
0.0 m 0'			*10440 *23,000	*10440 *23,000	*14720 *32,400	10040 22,100	10500 23,100	6460 14,200	7370 16,200	4590 10,100	*3890 *8,500	3460 7,600
-1.5 m -5'	*8450 *18,600	*8450 *18,600	*13660 *30,100	*13660 *30,100	*15290 *33,700	9790 21,500	10300 22,700	6280 13,800	7260 16,000	4490 9,800	*4730 *10,400	3730 8,200
-3.0 m -10'	*12570 *27,700	*12570 *27,700	*18720 *41,200	*18720 *41,200	*14740 *32,500	9780 21,500	10260 22,600	6250 13,700	7260 16,000	4490 9,900	*6350 *14,000	4340 9,500
-4.6 m -15'			*18400 *40,500	*18400 *40,500	*12820 *28,200	9980 22,000	*9250 *20,400	6390 14,100			*8280 *18,200	5750 12,600

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 Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

PC308USLC-3 HYDRAULIC EXCAVATOR

LIFTING CAPACITIES



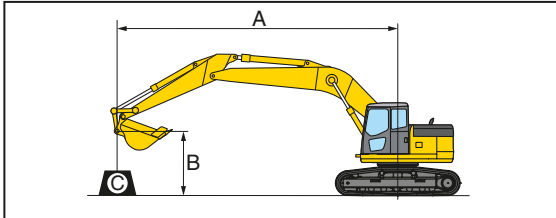
LIFTING CAPACITY (CONTINUED)

Arm: 4200 mm 13'9"			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'									*3700 *8,100	*3700 *8,100	*2350 *5,100	*2350 *5,100
6.1 m 20'									*4430 *9,700	*4430 *9,700	*2220 *4,900	*2220 *4,900
4.6 m 15'									*5100 *11,200	4840 10,600	*2200 *4,800	*2200 *4,800
3.0 m 10'							*7080 *15,600	6760 14,900	*6270 *13,800	4610 10,100	*2260 *5,000	*2260 *5,000
1.5 m 5'			*16490 *36,300	*16490 *36,300	*11500 *25,300	9930 21,900	*8600 *18,900	6290 13,800	*7120 *15,700	4360 9,600	*2420 *5,300	*2420 *5,300
0.0 m 0'			*10310 *22,700	*10310 *22,700	*13750 *30,300	9180 20,200	*9890 *21,800	5890 12,900	7320 16,100	4140 9,100	*2690 *5,900	2640 5,800
-1.5 m -5'	*6630 *14,600	*6630 *14,600	*11960 *26,300	*11960 *26,300	*14860 *32,700	8790 19,300	10200 22,400	5630 12,400	7150 15,700	3990 8,800	*3140 *6,900	2810 6,200
-3.0 m -10'	*10030 *22,100	*10030 *22,100	*15730 *34,600	*15730 *34,600	*14850 *32,700	8670 19,100	10080 22,200	5530 12,200	7090 15,600	3940 8,600	*3920 *8,600	3190 7,000
-4.6 m -15'	*14250 *31,400	*14250 *31,400	*20150 *44,400	17990 39,600	*13650 *30,000	8780 19,300	*9940 *21,900	5590 12,300	*6050 *13,300	4030 8,900	*5470 *12,000	3990 8,800

* 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:

- Boom length: 5850 mm 19'2"
- Bucket: 1.20 m³ 1.57 yd³
 - Bucket weight: 808 kg 1,781 lb.
- Lifting mode: On

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'												*3580 *7,900
6.1 m 20'								*6490 *14,300	*6490 *14,300	*4490 *9,900	*4490 *9,900	*3420 *7,500
4.6 m 15'								*7380 *16,200	*7380 *16,200	*6530 *14,400	5070 11,100	*3460 *7,600
3.0 m 10'				*17920 *39,500	*17920 *39,500	*11180 *24,600	*11180 *24,600	*8670 *19,100	7070 15,500	*7430 *16,300	4910 10,800	*3640 *8,000
1.5 m 5'				*7720 *17,000	*7720 *17,000	*13720 *30,200	10430 22,900	*9980 *22,000	6700 14,700	7470 16,400	4720 10,400	*4000 *8,800
0.0 m 0'				*9600 *21,100	*9600 *21,100	*15160 *33,400	9950 21,900	10400 22,900	6420 14,100	7310 16,100	4570 10,000	*4600 *10,100
-1.5 m -5'		*9000 *19,800	*9000 *19,800	*14040 *30,900	*14040 *30,900	*15390 *33,900	9780 21,500	10240 22,500	6280 13,800	7240 15,900	4500 9,900	*5650 *12,400
-3.0 m -10'		*13850 *30,500	*13850 *30,500	*20340 *44,800	*20340 *44,800	*14490 *31,900	9830 21,600	10260 22,600	6300 13,800			*7650 *16,800
-4.6 m -15'				*16950 *37,300	*16950 *37,300	*12040 *26,500	10080 22,200					*8570 *18,800

* 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.

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'												*3040 *6,700
6.1 m 20'										*4670 *10,200	*4670 *10,200	*2920 *6,400
4.6 m 15'								*6770 *14,900	*6770 *14,900	*6030 *13,300	5090 11,200	*2950 *6,500
3.0 m 10'				*15,400 *33,900	*15,400 *33,900	*10210 *22,500	*10210 *22,500	*8100 *17,800	7100 15,600	*7010 *15,400	4900 10,800	*3100 *6,800
1.5 m 5'				*10960 *24,100	*10960 *24,100	*12940 *28,500	10490 23,100	*9500 *20,900	6690 14,700	7450 16,400	4690 10,300	*3400 *7,400
0.0 m 0'				*10440 *23,000	*10440 *23,000	*14720 *32,400	9910 21,800	10350 22,800	6370 14,000	7260 16,000	4520 9,900	*3890 *8,500
-1.5 m -5'		*8450 *18,600	*8450 *18,600	*13660 *30,100	*13660 *30,100	*15290 *33,700	9660 21,300	10150 22,300	6190 13,600	7150 15,700	4420 9,700	*4730 *10,400
-3.0 m -10'		*12570 *27,700	*12570 *27,700	*18720 *41,200	*18720 *41,200	*14740 *32,500	9650 21,200	10120 22,300	6160 13,500	7160 15,700	4430 9,700	*6350 *14,000
-4.6 m -15'				*18400 *40,500	*18400 *40,500	*12820 *28,200	9840 21,700	*9250 *20,400	6300 13,900			*8280 *18,200

* 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 CAPACITIES


LIFTING CAPACITY (CONTINUED)

Arm: 4200 mm 13'9"			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'									*3700 *8,100	*3700 *8,100	*2350 *5,100	*2350 *5,100
6.1 m 20'									*4430 *9,700	*4430 *9,700	*2220 *4,900	*2220 *4,900
4.6 m 15'									*5100 *11,200	4770 10,500	*2200 *4,800	*2200 *4,800
3.0 m 10'							*7080 *15,600	6670 14,700	*6270 *13,800	4550 10,000	*2260 *5,000	*2260 *5,000
1.5 m 5'			*16490 *36,300	*16490 *36,300	*11500 *25,300	9810 21,600	*8600 *18,900	6200 13,600	*7120 *15,700	4300 9,400	*2420 *5,300	*2420 *5,300
0.0 m 0'			*10310 *22,700	*10310 *22,700	*13750 *30,300	9060 19,900	*9890 *21,800	5800 12,800	7210 15,900	4070 8,900	*2690 *5,900	2590 5,700
-1.5 m -5'	*6630 *14,600	*6630 *14,600	*11960 *26,300	*11960 *26,300	*14860 *32,700	8660 19,100	10050 22,100	5550 12,200	7040 15,500	3920 8,600	*3140 *6,900	2760 6,000
-3.0 m -10'	*10030 *22,100	*10030 *22,100	*15730 *34,600	*15730 *34,600	*14850 *32,700	8550 18,800	9940 21,900	5450 12,000	6990 15,400	3870 8,500	*3920 *8,600	3140 6,900
-4.6 m -15'	*14250 *31,400	*14250 *31,400	*20150 *44,400	17750 39,100	*13650 *30,000	8650 19,000	*9940 *21,900	5510 12,100	*6050 *13,300	3970 8,700	*5470 *12,000	3930 8,600

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Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

**STANDARD EQUIPMENT**

- 12 Volt cab supply
- AM/FM radio
- Automatic air conditioner/heater
- Auto-decel
- Automatic deaeration system for fuel line
- Automatic engine warm-up system
- Alternator, 60 Ampere, 24V
- Batteries, large capacity
- Boom and arm holding valve
- Cab
- Counterweight, 8140 kg **17,946 lbs**
- Dry type air cleaner, double element
- Electric horn
- EMMS monitoring system
- Engine, Komatsu SAA6D107E-1
- Engine overheat prevention system
- Fan guard structure
- Front working lights
- Fuel system pre-filter 10 micron
- KOMTRAX
- Mirrors (4) ISO compliant
- Multi-function color monitor
- Power maximizing system
- PPC hydraulic control system
- Pump/engine room partition cover
- Radiator and oil cooler dustproof net
- Revolving frame undercovers
- Seat belt, retractable 76 mm **3"**
- Seat, suspension
- Service valve (1 additional)
- Shoes, triple grouser: 850 mm **33.5"**
- Slip resistant foot plates
- Starting motor, 5.5 kW
- Track guiding guard (each side)
- Travel alarm
- Turbocharger exhaust manifold cover
- Working mode selection system

**OPTIONAL EQUIPMENT**

- Arms
 - 3045 mm **10'0"** arm
 - 3045 mm **10'0"** HD arm assembly with piping
 - 3500 mm **11'6"** arm assembly
 - 3500 mm **11'6"** arm assembly with piping
 - 4200 mm **13'9"** arm assembly
- Boom
 - 5850 mm **19'2"** boom
 - 5850 mm **19'2"** HD boom with piping
- Hydraulic control units
 - 1 additional actuator
- Pattern change valve
- Rain visor for cab
- Shoes, triple grouser
 - 600 mm **24"**
 - 700 mm **28"**
 - 800 mm **31.5"**
- Track frame center undercover



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