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**

KOMATSU®

PC308USLC-3

With Tier 3 Engine

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™

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.

PC308USLC-3

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

OPERATING WEIGHT
32061 – 33178 kg
70,682 – 73,146 lb

BUCKET CAPACITY
0.58 – 1.63 m^3
0.76 – 2.13 yd^3

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

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.

GALEO

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

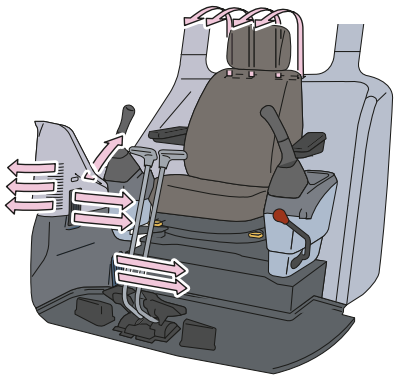
The PC308USLC-3's floor is easy to keep clean. The gently inclined surface has a flanged floormat and drainage holes to facilitate run-off.

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

ENGINE

Model . . . . . Komatsu SAA6D107E-1
Type . . . . . Water-cooled, 4-cycle, direct injection
Aspiration . . . . . Turbocharged and air-to-air aftercooled
Number of cylinders 6
Bore . . . . . 107 mm **4.21"**
Stroke . . . . . 124 mm **4.88"**
Piston displacement . . . . . 6.69 ltr **408 in³**
Power rating
Gross . . . . . 149 kW **200 HP** @ 2050 rpm
Flywheel . . . . . 140 kW **187 HP** @ 2050 rpm
(ISO 9249/SAEJ1349)
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 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	**4,200 psi**
Pilot circuit	3.1 MPa	32 kgf/cm²	**455 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 64.4" x 4.3"**
Bucket: . . . . 1 – 140 mm x 1009 mm x 100 mm **5.5" x 39.7" x 3.9"**

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 5842 mm **19'2"** one-piece boom, 3045 mm **10'0"** arm, SAE heaped 1.21 m³ **1.59 yd³**, 1089 kg **2401 lb** bucket.

Shoes		Operating Weight		Ground Pressure	
mm	**in**	kg	**lb**	kg/cm²	**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**

DRIVES AND BRAKES

Steering control . . . . . Two levers with pedals
Drive method . . . . . Hydrostatic
Maximum drawbar pull . . . . . 263 kN 26900 kg **59,180 lb**
Gradeability . . . . . 70%, 35°
Maximum travel speed: High . . . . . 4.6 km/h **2.9 mph**
(Auto-Shift) Mid . . . . . 3.4 km/h **2.1 mph**
Low . . . . . 2.9 km/h **1.8 mph**
Service brake . . . . . Hydraulic lock
Parking brake . . . . . Mechanical disc brake

SWING SYSTEM

Drive method . . . . . Hydrostatic
Swing reduction . . . . . Planetary gear type, double reduction
Swing circle lubrication . . . . . Grease-bathed
Service brake . . . . . Hydraulic lock
Holding brake/Swing lock . . . . . Mechanical disc brake
Swing speed. . . . . 9.5 rpm
Swing torque . . . . . 8892 kg•m **64,292 ft lbs**

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)

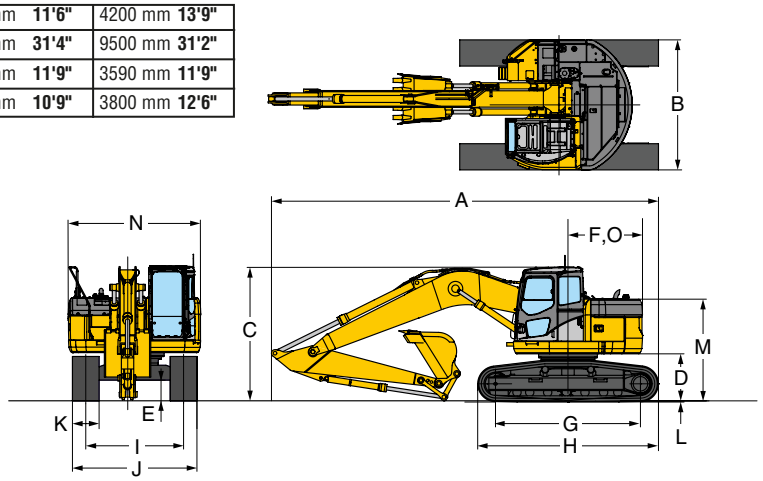
Fuel tank	390 ltr	**103 U.S. gal**
Coolant	21.0 ltr	**5.5 U.S. gal**
Engine	23.1 ltr	**6.1 U.S. gal**
Final drive, each side	8.0 ltr	**2.1 U.S. gal**
Swing drive	8.2 ltr	**2.2 U.S. gal**
Hydraulic tank	210 ltr	**55.5 U.S. gal**

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

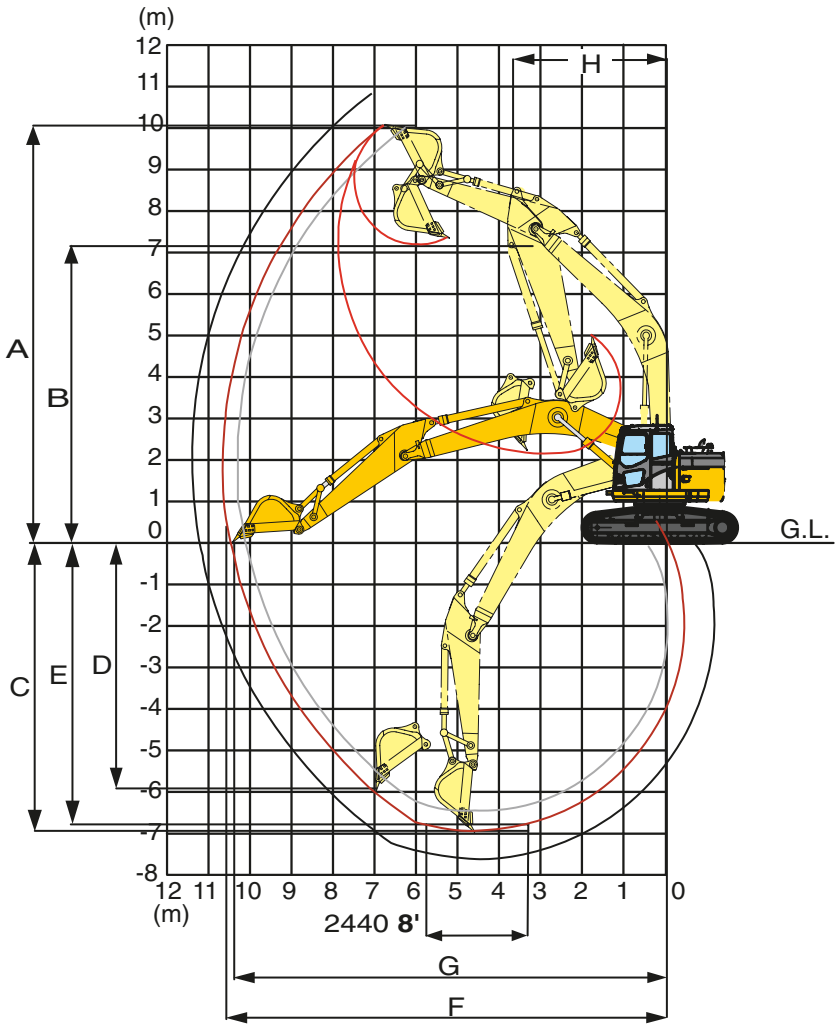
Reference 1: When using the 3500 mm **11'6"** arm, the maximum recommended tip radius of the bucket is 1450 mm **4'9"**. If this is exceeded, there is risk of hitting the cab with the bucket.

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

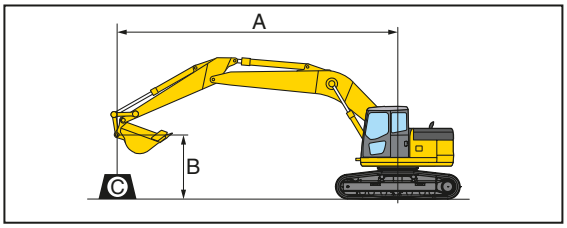
WORKING RANGE



	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**

A / B	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**	5170 **11,400**	*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**	7200 **15,800**	*7430 ***16,300**	5010 **11,000**	*3640 ***8,000**	*3640 ***8,000**
1.5 m **5'**			*7720 ***17000**	*7720 ***17000**	*13720 ***30,200**	10630 **23,400**	*9980 ***22,000**	6830 **15,000**	7630 **16,800**	4820 **10,600**	*4000 ***8,800**	3720 **8,200**
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**	3790 **8,300**
–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**	4120 **9,000**
– 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**	4880 **10,700**
– 4.6 m **– 15'**			*16950 ***37,300**	*16950 ***37,300**	*12040 ***26,500**	10280 **22,600**					*8570 ***18,800**	6740 **14,800**

* 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**

A / B	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**	5200 **11,400**	*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**	7240 **15,900**	*7010 ***15,400**	5010 **11,000**	*3100 ***6,800**	*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**	*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**	3490 **7,700**
–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**	3760 **8,200**
– 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**	4370 **9,600**
– 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**	5800 **12,700**

* 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.

LIFTING CAPACITIES

LIFTING CAPACITY (CONTINUED)

Arm: 4200 mm **13'9"** **Shoe:** 850 mm **33.5"** Unit: kg **lb**

A / B	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**

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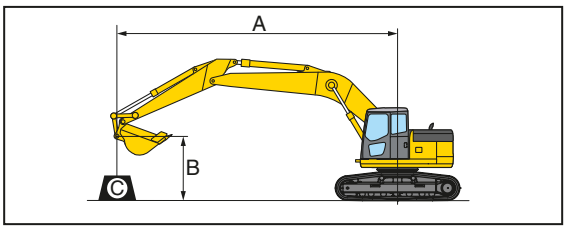
Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

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**

A / B	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**

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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**

A / B	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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LIFTING CAPACITIES

LIFTING CAPACITY (CONTINUED)

Arm: 4200 mm **13'9"** **Shoe:** 800 mm **31.5"** Unit: kg **lb**

A / B	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**

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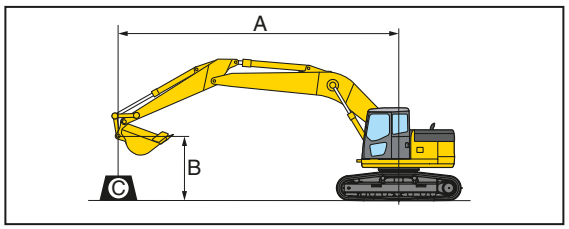
LIFTING CAPACITY



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**

A / B	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**	5070 **11,100**	*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**	7070 **15,500**	*7430 ***16,300**	4910 **10,800**	*3640 ***8,000**	*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**	3630 **8,000**
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**	3710 **8,100**
–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**	4030 **8,800**
– 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**	4770 **10,500**
– 4.6 m **– 15'**			*16950 ***37,300**	*16950 ***37,300**	*12040 ***26,500**	10080 **22,200**					*8570 ***18,800**	6600 **14,500**

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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**

A / B	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**	5090 **11,200**	*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**	7100 **15,600**	*7010 ***15,400**	4900 **10,800**	*3100 ***6,800**	*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**	3360 **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**	3410 **7,500**
–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**	3670 **8,100**
– 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**	4280 **9,400**
– 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**	5670 **12,500**

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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:** 700 mm **28"** Unit: kg **lb**

A / B	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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