NET HORSEPOWER
134 kW **179 HP** @ 2050 rpm

OPERATING WEIGHT
31925–33178 kg **70,383–73,146 lb**

BUCKET CAPACITY
0.74–1.87 m³ **0.97–2.45 yd³**

KOMATSU®

PC308USLC-3

PC 308US LC

HYDRAULIC EXCAVATOR

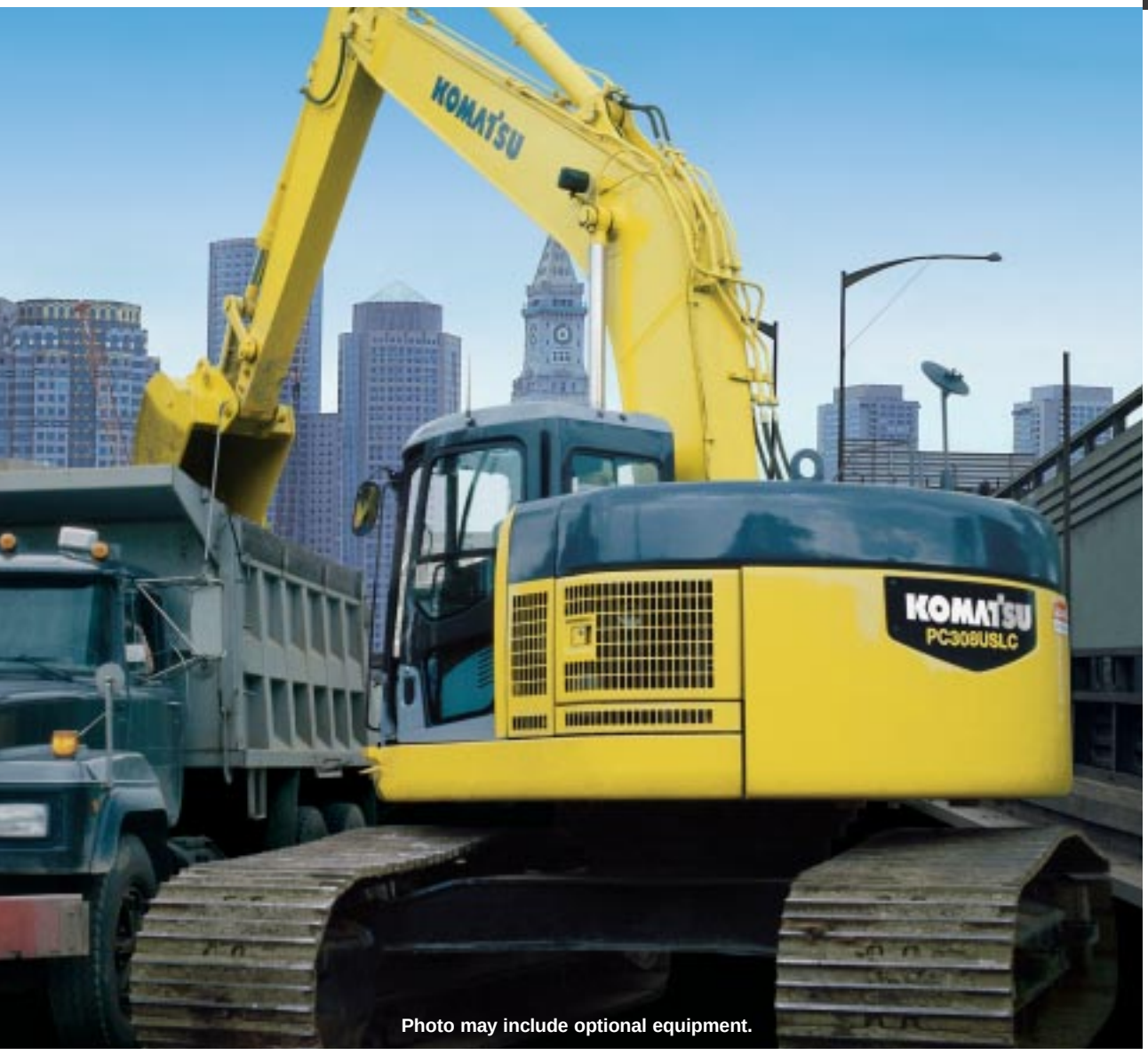


Photo may include optional equipment.

GALEO

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, bridge work, urban areas, or anywhere space is limited, the PC308USLC-3 provides the performance and productivity you expect from Komatsu equipment.

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

Standard features

- Effortless joy stick controls
- 12 V electrical outlet
- Large seat
- Cup holder
- Sliding window
- Internal storage with hot and cold box
- Air conditioning

High mobility

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

Advanced Monitor Features

- Three working modes designed to match engine speed, pump speed and system pressure
- Active mode for maximum production/power
- Breaker operations for optimum engine rpm, hydraulic flow, and pressure

NET HORSEPOWER
134 kW **179 HP** @ 2050 rpm

OPERATING WEIGHT
31925–33178 kg
70,383–73,146 lb

BUCKET CAPACITY
0.74–1.87 m^3 **0.97–2.45 yd^3**

High stability

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

Safe operation

The PC308USLC-3's round form reduces the operator's need to constantly check behind him for movement, as he would with a conventional profile machine.

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.

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, allowing 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 Air Conditioning and Heating Unit

The PC308USLC-3 has excellent air conditioning capacity. The bi-level controls provide cool air to the operator's head and warm air to the feet allowing 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

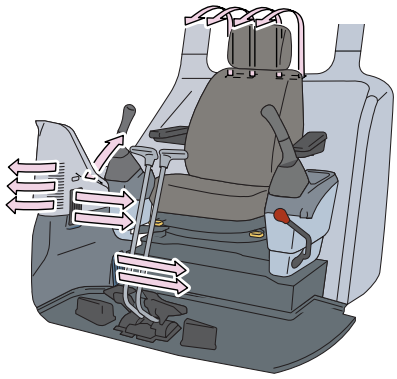
The PC308USLC-3's floor is easy to keep clean. The gently inclined surface has a flanged floormat and drainage holes to facilitate run-off.

Noise

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

Sliding Convex Door

The sliding convex door facilitates easy entrance 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 SAA6D102E-2
Type . . . . . Water-cooled, 4-cycle, direct injection
Aspiration . . . . . Turbocharged and air-to-air aftercooled
Number of cylinders 6
Bore . . . . . 102 mm **4.02"**
Stroke . . . . . 120 mm **4.72"**
Piston displacement . . . . . 5.88 ltr **359 in³**
Power rating (*SAE J1349 conditions)
*Gross . . . . . 141 kW **189 HP** @ 2050 rpm
Flywheel . . . . . 134 kW **179 HP** @ 2050 rpm
Governor . . . . . All-speed control, mechanical
Meets 2003 EPA Tier 2 emission regulations.

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 3
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	28.4 MPa	290 kgf/cm²	**4,125 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 64.4" 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"**	32122	**70,816**	0.53	**7.50**
800 mm	**31.5"**	32499	**71,647**	0.47	**6.64**
850 mm	**33.5"**	32689	**72,066**	0.44	**6.28**

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 **2.85 mph**
(Auto-Shift) 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
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

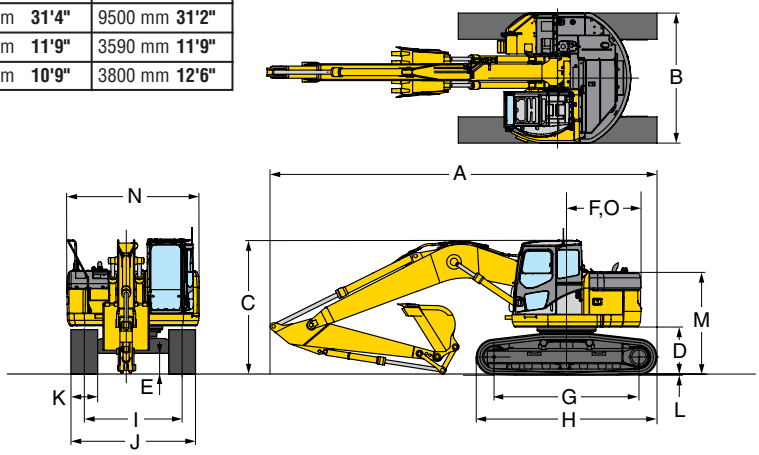
Center frame . . . . . X-frame
Track frame . . . . . Box-section
Seal of track . . . . . Sealed track
Track adjuster . . . . . Hydraulic
Number of shoes (each side): 48
Number of carrier rollers . . . . . 2 each side
Number of track rollers (each side): 8

COOLANT AND LUBRICANT CAPACITY (REFILLING)

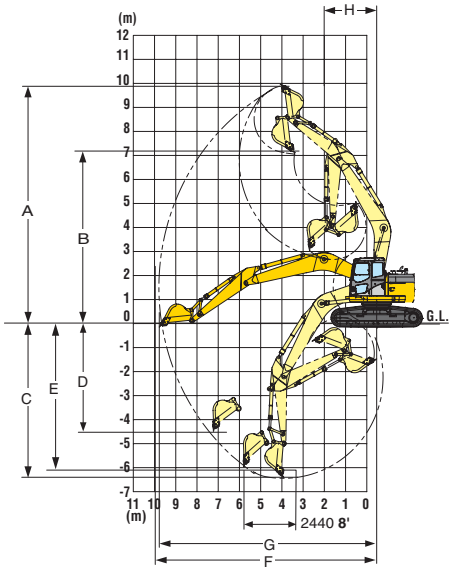
Fuel tank	390 ltr	**103 U.S. gal**
Coolant	30.9 ltr	**8.2 U.S. gal**
Engine	24.0 ltr	**6.3 U.S. gal**
Final drive, each side	7.8 ltr	**2.1 U.S. gal**
Swing drive	6.6 ltr	**1.7 U.S. gal**
Hydraulic tank	200 ltr	**52.8 U.S. gal**

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)	492 mm	1'7"				
F	Tail swing radius	1830 mm	6'0"				
G	Track length on ground	4030 mm	13'2"				
H	Track length	4953 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	25 mm	1.0"				
M	Machine cab height	2565 mm	8'5"				
N	Machine cab width	3080 mm	10'1"				
O	Distance, swing center to rear end	1830 mm	6'0"				



WORKING RANGE



	Arm	3045 mm	10'0"	3500 mm	11'6"	4200 mm	13'9"
A	Max. digging height	9990 mm	32'9"	10110 mm	33'2"	10270 mm	33'8"
B	Max. dumping height	7150 mm	23'5"	7295 mm	23'11"	7595 mm	24'11"
C	Max. digging depth	6415 mm	21'0"	6870 mm	22'6"	7560 mm	24'9"
D	Max. vertical wall digging depth	4595 mm	15'0"	4150 mm	13'7"	5880 mm	19'3"
E	Max. digging depth 8' level bottom	6250 mm	20'6"	6720 mm	22'0"	7430 mm	24'4"
F	Max. digging reach	10180 mm	33'4"	10575 mm	34'8"	11210 mm	36'9"
G	Max. digging reach at ground level	1000 mm	32'9"	10390 mm	34'1"	11147 mm	36'6"
H	Min. swing radius	3495 mm	11'5"	3560 mm	11'8"	3560 mm	11'8"
SAE rating	Bucket digging force at power max.	176 kN 17900 kgf/**39,460 lb**		176 kN 17900 kgf/**39,460 lb**		140 kN 14300 kgf/**31,530 lb**	
SAE rating	Arm crowd force at power max.	136 kN 13900 kgf/**30,640 lb**		123 kN 12500 kgf/**27,558 lb**		108 kN 11000 kgf/**24,470 lb**	
ISO rating	Bucket digging force at power max.	198 kN 20200 kgf/**44,530 lb**		198 kN 20200 kgf/**44,530 lb**		156 kN 16000 kgf/**35,270 lb**	
ISO rating	Arm crowd force at power max.	148 kN 15100 kgf/**33,290 lb**		126 kN 12800 kgf/**28,219 lb**		111 kN 11400 kgf/**25,130 lb**	

BACKHOE BUCKET, ARM, AND BOOM COMBINATION

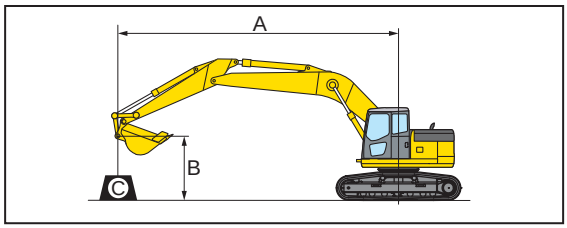
Bucket Type	Bucket Capacity	Bucket Width	Bucket Weight	3045 mm **10'0" Arm**	3500 mm **11'6" Arm Ref. #1**	4200 mm **13'9" Arm**
Komatsu "H" Series HD	0.67 m³ **0.88 yd³**	600 mm **24"**	745 kg **1,642 lb**	V	V	V
	0.80 m³ **1.05 yd³**	762 mm **30"**	893 kg **1,968 lb**	V	V	Z
	1.01 m³ **1.32 yd³**	914 mm **36"**	980 kg **2,160 lb**	V	V	Z
	1.22 m³ **1.59 yd³**	1067 mm **42"**	1089 kg **2,401 lb**	V	V	Z
	1.43 m³ **1.87 yd³**	1219 mm **48"**	1175 kg **2,591 lb**	V	V	Z
	1.64 m³ **2.15 yd³**	1219 mm **48"**	1260 kg **2,777 lb**	W	X	Z
	1.87 m³ **2.45 yd³**	1219 mm **48"**	1325 kg **2,921 lb**	X	Y	Z

V – Material weight up to 2.1 ton/m³ **3,500 lb/yd³**, W – Material weight up to 1.8 ton/m³ **3,000 lb/yd³**
X – Material weight up to 1.5 ton/m³ **2,500 lb/yd³**, Y – Material weight up to 1.2 ton/m³ **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.

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.

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: 5850 mm **19'2"**
–Bucket: 0.90 m **1.18 yd³**
734 kg **1,620 lbs.**

Arm: 3045 mm **10'0"** 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'**											*3220 ***7,000**	*3220 ***7,000**
6.1 m **20'**									*4450 ***9,800**	*4450 ***9,800**	*3090 ***6,800**	*3090 ***6,800**
4.6 m **15'**							*7030 ***15,500**	*7030 ***15,500**	*6260 ***13,800**	5230 **11,500**	*3130 ***6,900**	*3130 ***6,900**
3.0 m **10'**			*17850 ***39,300**	*17850 ***39,300**	*10800 ***23,800**	*10800 ***23,800**	*8390 ***18,500**	7300 **16,100**	*7160 ***15,700**	5070 **11,100**	*3320 ***7,300**	*3320 ***7,300**
1.5 m **5'**			*7180 ***15,800**	*7180 ***15,800**	*13270 ***29,200**	10790 **23,700**	*9680 ***21,300**	6950 **15,300**	7840 **17,200**	4890 **10,700**	*3670 ***8,000**	3660 **8,000**
0.0 m **0'**			*8910 ***19,600**	*8910 ***19,600**	*14720 ***32,400**	10310 **22,700**	*10610 ***23,400**	6680 **14,700**	7680 **16,900**	4750 **10,400**	*4240 ***9,300**	3740 **8,200**
-1.5 m **-5'**			*13020 ***28,700**	*13020 ***28,700**	*15010 ***33,100**	10130 **22,300**	10640 **23,400**	6440 **14,200**	7600 **16,700**	4670 **10,300**	*5210 ***11,400**	4070 **8,900**
-3.0 m **-10'**			*18800 ***41,400**	*18800 ***41,400**	*14230 ***31,300**	10160 **22,400**	*10480 ***23,100**	6540 **14,400**			*7090 ***15,600**	4790 **10,500**
-4.6 m **-15'**			*17080 ***37,600**	*17080 ***37,600**	*11830 ***26,000**	10410 **22,900**	*8300 ***18,300**	6730 **14,800**			*8240 ***18,100**	6680 **14,700**

Arm: 3500 mm **11'6"** 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'**											*2470 ***5,400**	*2470 ***5,400**
6.1 m **20'**									*4200 ***9,200**	*4200 ***9,200**	*2370 ***5,200**	*2370 ***5,200**
4.6 m **15'**							*5940 ***13,100**	*5940 ***13,100**	*5350 ***11,700**	5170 **11,400**	*2400 ***5,300**	*2400 ***5,300**
3.0 m **10'**			*13960 ***30,700**	*13960 ***30,700**	*9160 ***20,200**	*9160 ***20,200**	*7250 ***16,000**	7220 **15,900**	*6250 ***13,700**	4980 **10,900**	*2560 ***5,600**	*2560 ***5,600**
1.5 m **5'**			*9620 ***21,200**	*9620 ***21,200**	*11650 ***25,600**	10690 **23,500**	*8550 ***18,800**	6830 **15,000**	*6960 ***15,300**	4780 **10,500**	*2820 ***6,200**	*2820 ***6,200**
0.0 m **0'**			*9030 ***19,900**	*9030 ***19,900**	*13300 ***29,300**	10110 **22,300**	*9560 ***21,000**	6520 **14,300**	7420 **16,300**	4610 **10,100**	*3260 ***7,100**	*3260 ***7,100**
-1.5 m **-5'**	*7230 ***15,900**	*7230 ***15,900**	*11820 ***26,000**	*11820 ***26,000**	*13900 ***30,600**	9850 **21,700**	*10,060 ***22,100**	6330 **13,900**	7310 **16,100**	4500 **9,900**	*3980 ***8,700**	3600 **7,900**
-3.0 m **-10'**	*10870 ***23,900**	*10870 ***23,900**	*16200 ***35,700**	*16200 ***35,700**	*13500 ***29,700**	9820 **21,600**	*9870 ***21,700**	6290 **13,800**	7300 **16,000**	4490 **9,900**	*5310 ***11,700**	4170 **9,200**
-4.6 m **-15'**			*17360 ***38,200**	*17360 ***38,200**	*11760 ***25,900**	10000 **22,000**	*8480 ***18,700**	6410 **14,100**			*7310 ***16,100**	5570 **12,300**

* 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 (CONTINUED)

Arm: 4200 mm **13'9"** — 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'**									*3240 ***7,100**	*3240 ***7,100**	*2090 ***4,600**	*2090 ***4,600**
6.1 m **20'**									*4020 ***8,800**	*4020 ***8,800**	*2020 ***4,400**	*2020 ***4,400**
4.6 m **15'**									*4710 ***10,400**	*4710 ***10,400**	*2030 ***4,400**	*2030 ***4,400**
3.0 m **10'**							*6650 ***14,600**	*6650 ***14,600**	*5910 ***13,000**	5270 **11,600**	*2140 ***4,700**	*2140 ***4,700**
1.5 m **5'**			*17680 ***38,900**	*17680 ***38,900**	*10690 ***23,500**	*10690 ***23,500**	*8070 ***17,800**	7150 **15,700**	*6710 ***14,800**	5040 **11,100**	*2320 ***5,100**	*2320 ***5,100**
0.0 m **0'**	*4160 ***9,100**	*4160 ***9,100**	*10510 ***23,100**	*10510 ***23,100**	*12790 ***28,200**	10460 **23,000**	*9290 ***20,400**	6780 **14,900**	*7420 ***16,300**	4830 **10,600**	*2630 ***5,800**	*2630 ***5,800**
-1.5 m **-5'**	*6700 ***14,700**	*6700 ***14,700**	*11640 ***25,600**	*11640 ***25,600**	*13880 ***30,600**	10060 **22,100**	*10,050 ***22,100**	6530 **14,400**	7490 **16,500**	4680 **10,300**	*3110 ***6,800**	*3110 ***6,800**
-3.0 m **-10'**	*9600 ***21,100**	*9600 ***21,100**	*14700 ***32,400**	*14700 ***32,400**	*13970 ***30,800**	9920 **21,800**	*10210 ***22,500**	6420 **14,100**	7420 **16,300**	4620 **10,100**	*3950 ***8,700**	3760 **8,200**
-4.6 m **-15'**	*13350 ***29,400**	*13350 ***29,400**	*19480 ***42,900**	*19480 ***42,900**	*12900 ***28,400**	10000 **22,000**	*9460 ***20,800**	6460 **14,200**			*5820 ***12,800**	4700 **10,300**

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

STANDARD EQUIPMENT

- Air cleaner, double element with auto dust evacuation
- Air conditioner/heater
- Alternator, 60 A
- Batteries, 110 Ah/2 x 12 V
- Boom and arm holding valve
- Cab which includes: Antenna, AM/FM radio, floormat, intermittent wiper and washer, large ceiling hatch, pull-up front window, rearview mirror, removable lower windshield, sliding seat with 76 mm **3"** retractable seat belt, and tinted safety glass.
- Cooling fan, mixed flow with fan guard
- Counterweight 8100 kg **17,857 lbs**
- Dustproof net for radiator and oil cooler
- Instrument panel
- Pump/engine room partition cover
- Shoes, 850 mm **33.5"** triple grouser
- Starting motor, 5.5 kW
- Travel alarm
- Turbocharger exhaust manifold cover

OPTIONAL EQUIPMENT

- Arms
  - —3045 mm **10'0"**
  - —3045 mm **10'0"** with piping
  - —3500 mm **11'6"**
  - —3500 mm **11'6"** with piping
  - —4200 mm **13'9"**
- Boom
  - –5850 mm **19'2"** boom
  - –5850 mm **19'2"** boom with piping
- Hydraulic control unit
  - —1 additional actuator
- Pattern change valve
- Rain visor for cab
- Shoes, triple grouser
  - —600 mm **24"**
  - —700 mm **28"**
  - —800 mm **31.5"**
- Sun visor
- Track guiding guards

AESS620-03

DK(2.5M)9/05 (1.5)4/06 C 09/05(EV-1)

KOMATSU®

KOMATSU ADVANTAGE EXTENDED COVERAGE

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