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**

KOMATSU®

PC270LC-8

With Tier 3 Engine

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™
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.

PC270LC-8

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

OPERATING WEIGHT
29636 – 30569 kg
65,336 – 67,393 lb

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

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

Photo may include optional equipment

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.

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.

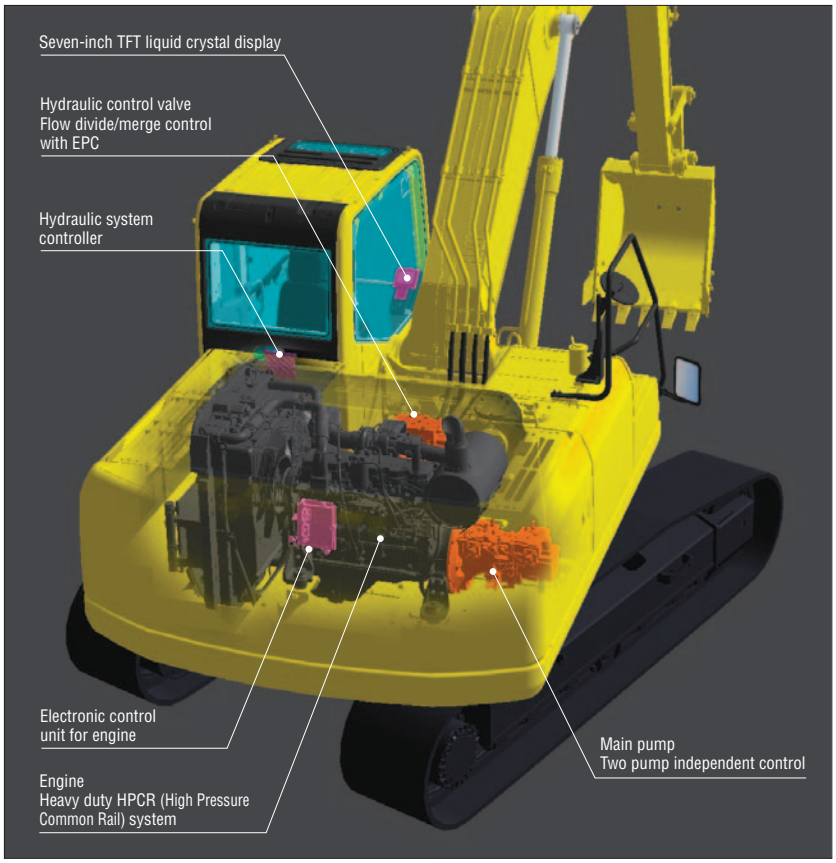


Photo may include optional equipment

Low Fuel Consumption

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

Fuel consumption reduced 10 %

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

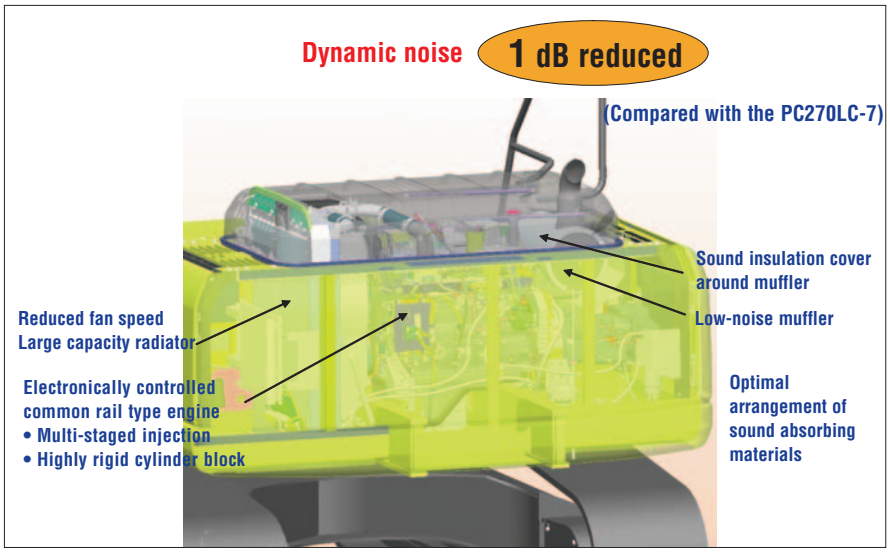
Low Emission Engine

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

ecot3
ecology & economy - technology 3

Low Operational Noise

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



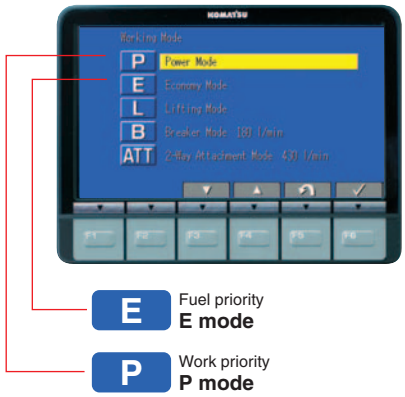
Selectable Working Modes

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.

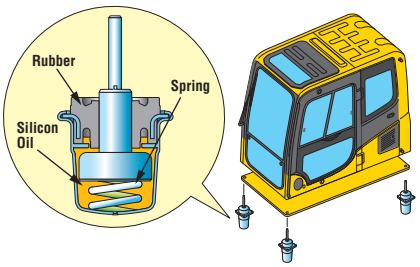
WORKING ENVIRONMENT

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

Basic operation switches

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

Mode Selection

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

Working Mode	Application	Advantage
P	Power mode	● 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.

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.

Photo may include optional equipment

Gas Assisted Engine Hood Damper Cylinders

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

Long-life Oil, Filter

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

Hydraulic oil filter (Eco-white element)

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

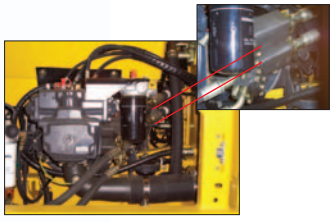
Air Conditioner Filter

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**

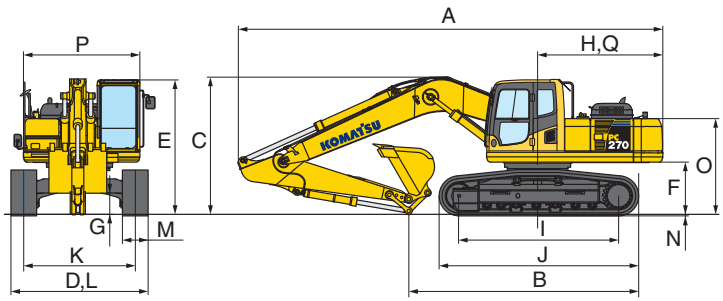
*Komatsu 1.85 cu. yd. bucket (2,304 lb)

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**
SAE rating	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**
ISO rating	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 Capacity	Bucket Width	Bucket Weight	Arms 3.0 m **10'0"**	Arms 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

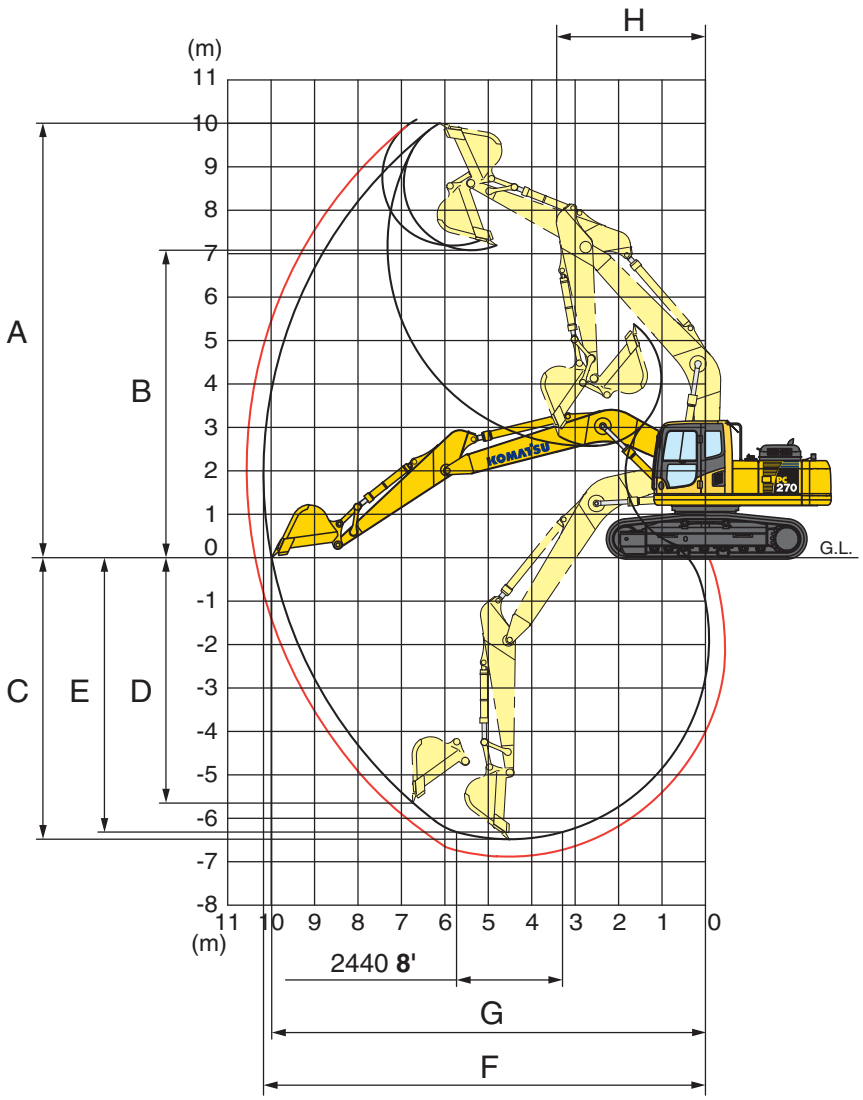
NOTE: This bucket selection chart only applies to machines with S/N A87221 and above.

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

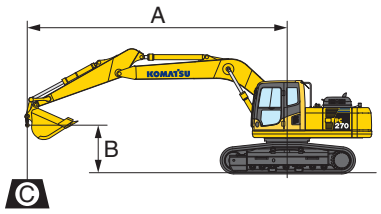
WORKING RANGE



	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**

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'**											*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**

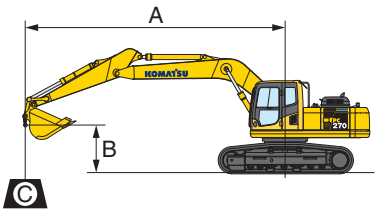
A / B	1.5 m **5'**		3.0 m **10'**		4.6 m **15'**		6.1 m **20'**		7.6 m **25'**		☢ Maximum	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
7.6 m **25'**											*3000 ***6,700**	*3000 ***6,700**
6.1 m **20'**									*4500 ***10,000**	*4500 ***10,000**	*2900 ***6,400**	*2900 ***6,400**
4.6 m **15'**							*6700 ***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.

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**

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'**											*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**

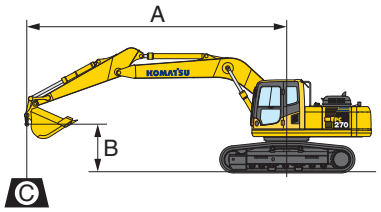
PC270LC-8 **Arm:** 3500 mm **11'6"** **Shoe:** 800 mm **31.5"** Unit: kg **lb**

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'**											*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**

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'**											*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**

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'**											*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
- Convertor, 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

AESS760-01 ©2007 Komatsu America Corp. Printed in USA D10(5M)C 10/07 (EV-3)

KOMATSU®

www.KomatsuAmerica.com