

# KOMATSU®

## PC270LC-8

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

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

**BUCKET CAPACITY**  
0.58–1.63 m<sup>3</sup> **0.76–2.13 yd<sup>3</sup>**

**PC**  
**270**  
**LC**



Photo may include optional equipment

HYDRAULIC EXCAVATOR

# WALK-AROUND

## *Ecology and Economy Features*

- ***Low fuel consumption by total control of the engine, hydraulic and electronic system***

Reduces fuel consumption by approx. 10%.  
(Compared with the PC270LC-7)

- ***Low Emission Engine***

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

- Economy mode reduces fuel consumption
- Eco-gauge for energy-saving operations
- Extended idling caution for fuel conservation

- ***Low Operation Noise***

The dynamic noise is lowered by 1 dB compared with the PC270LC-7, realizing low noise operation.

## ***General Features***

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

### **KOMTRAX™**

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.





**FLYWHEEL HORSEPOWER**

140 kW 187 HP @ 2050 rpm

**OPERATING WEIGHT**29000 – 29950 kg  
63,934 – 66,028 lb**BUCKET CAPACITY**0.58 – 1.63 m<sup>3</sup>  
0.76 – 2.13 yd<sup>3</sup>**Large TFT LCD Monitor**

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

TFT: Thin Film Transistor  
LCD: Liquid Crystal Display**Large Comfortable Cab**

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

**Easy Maintenance**

- Extended replacement interval of engine oil, engine oil filter, and hydraulic filter
- Remote mounted engine oil filter and fuel drain valve for easy access
- Equipped with 10 micron fuel pre-filter as standard equipment (with water separator)
- Side-by-side cooling concept enables individual cooling modules to be serviced
- Equipped with EMMS monitoring system
- Equipped with KOMTRAX

- **Large Drawbar Pull**

Provides superb steering and slope climbing performance.

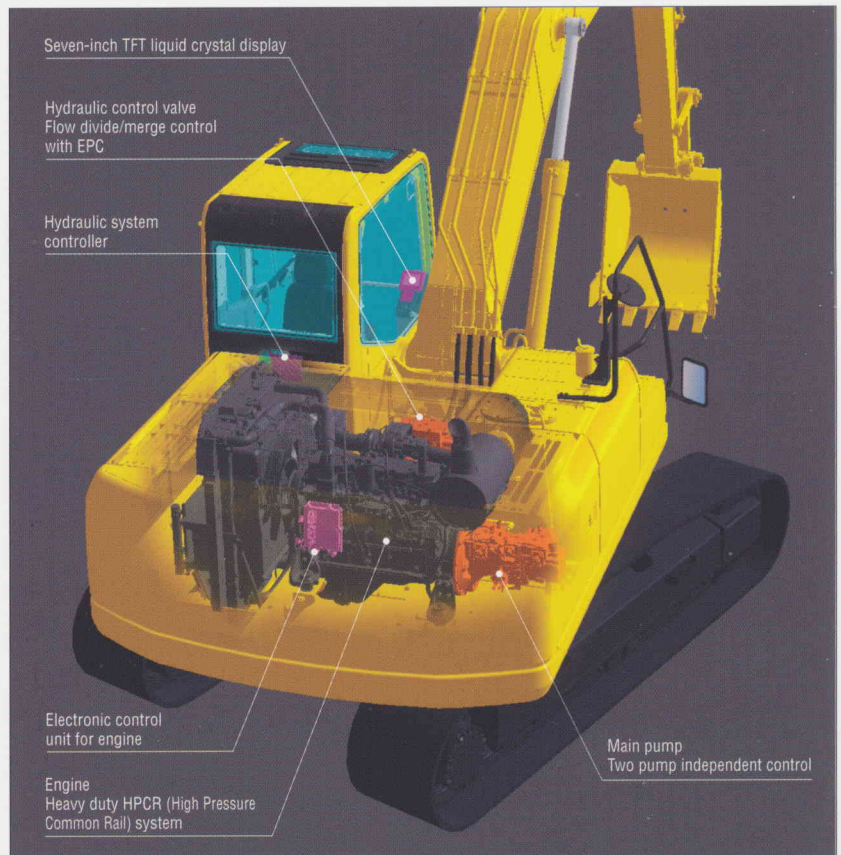


Photo may include optional equipment

# ECOLOGY & ECONOMY FEATURES



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



## Low Fuel Consumption

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

**Fuel consumption reduced 10%**

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



**Low Emission Engine**

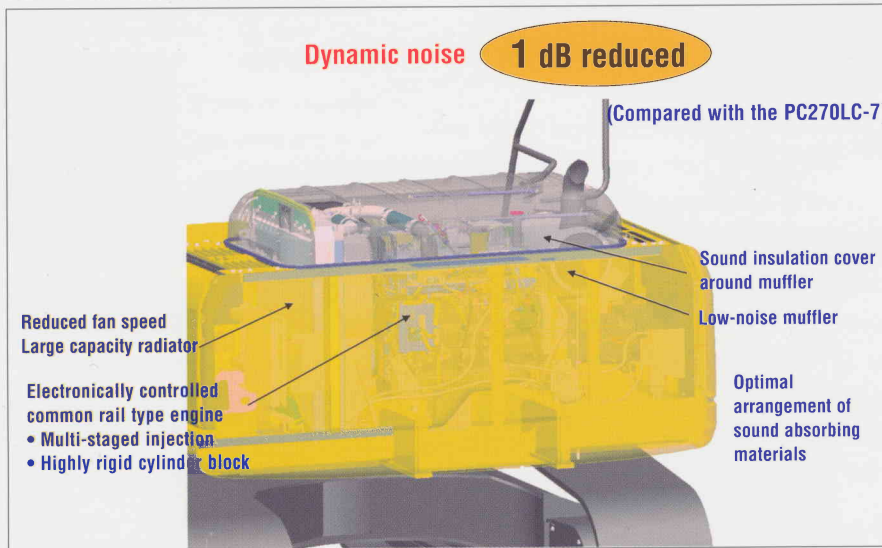
Komatsu SAA6D107E-1 is EPA Tier 3 and EU stage 3A emissions certified and reduces NOx emission by 29% compared with the PC270LC-7.



**ecot3**  
ecology & economy - technology 3

**Low Operational Noise**

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



**Working Modes Selectable**

Two established work modes are further improved.

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

E mode – Economy or fuel priority mode further reduces fuel consumption, but maintains the P-mode-like working equipment speed for light duty work.

You can select Power or Economy modes using a one-touch operation on the monitor panel depending on workloads.



- E** Fuel priority  
E mode
- P** Work priority  
P mode

**Eco-Gauge that Assists Energy-Saving Operations**

Equipped with the Eco-gauge that can be recognized at a glance on the right of the multi-monitor for environment-friendly energy-saving operations. Allows the operator to maintain work in the green zone and reduce fuel consumption and exhaust emissions.

**Idling Caution**

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



Eco-gauge

## WORKING ENVIRONMENT

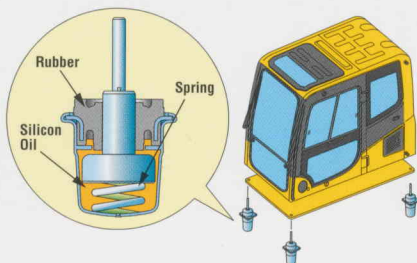


### Low Cab Noise

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

### Low Vibration with Cab Damper Mounting

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



### Wide Newly-Designed Cab

Newly-designed wide spacious cab includes high-back seat with a reclining backrest. The seat height and longitudinal incline are easily adjusted using a pull-up lever. The operator can set the appropriate operational posture of armrest together with the console. Reclining the seat further enables the operator to place it into a fully-flat state with the headrest attached.

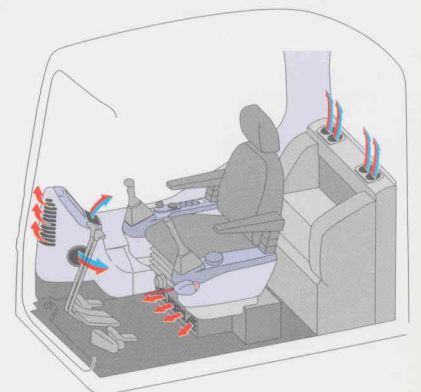


### Pressurized Cab

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

### Automatic Air Conditioner

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





# Large LCD Color Monitor

## Large Multi-Lingual Liquid Crystal Display (LCD) Monitor

A large user-friendly color monitor enables accurate and smooth work. Improved screen visibility is achieved by use of TFT liquid crystal display that can easily be read at various angles and lighting conditions. Simple and easy to operate switches. Industry first function keys facilitate multi-function operations. Displays data in 10 languages to globally support operators around the world.



**Indicators**

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

**Basic operation switches**

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

### Mode Selection

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

Working Mode	Application	Advantage
P	Power mode	<ul style="list-style-type: none"> <li>Maximum production/power</li> <li>Fast cycle time</li> </ul>
E	Economy mode	<ul style="list-style-type: none"> <li>Excellent fuel economy</li> </ul>
L	Lifting mode	<ul style="list-style-type: none"> <li>Hydraulic pressure is increased by 7%</li> </ul>
B	Breaker operation	<ul style="list-style-type: none"> <li>Optimum engine rpm and hydraulic flow, 1 way</li> </ul>
ATT	Attachment mode	<ul style="list-style-type: none"> <li>Optimum engine rpm and hydraulic flow, 2 way</li> </ul>

### Lifting Mode

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

### Equipment Management Monitoring System (EMMS)

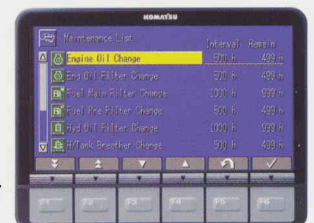
#### Monitor Function

Controller monitors engine oil level, coolant temperature, battery charge and air filter clogging, etc. If the controller finds any abnormality, it is displayed on the LCD.



#### Maintenance Function

Monitor informs replacement time of oil and filters on LCD when the replacement interval is reached.



#### Trouble Data Memory Function

Monitor stores abnormalities for effective troubleshooting.

# GENERAL FEATURES

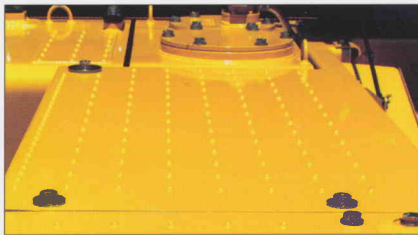
## New Cab Design for Hydraulic Excavators

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



## Slip-Resistant Plates

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



## Skylight

Skylight with window can be opened to improve overhead visibility.



## Lock Lever

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



## Large Side-View, Rear, and Sidewise Mirrors

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



## Thermal and Fan Guards

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





# MAINTENANCE FEATURES

### Side-by-Side Cooling Modules

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



### Equipped with Fuel Pre-filter (with Water Separator)

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



### Washable Cab Floor Mat

The PC270LC-8's cab floor mat is easy to keep clean. The gently inclined surface has a flanged floor mat and drainage holes to facilitate runoff.

### Easy Access to Engine Oil Filter and Fuel Drain Valve

Engine oil filter and fuel drain valve are remote mounted to improve accessibility.



### Equipped with Eco-Drain Valve as Standard

Provides for easier and cleaner engine oil changes.



### Large-Capacity Fuel Tank with Rustproof Treatment

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

### Sloping Track Frame

Reduces dirt and sand from accumulating and allows easy mud removal.



### Gas Assisted Engine Hood Damper Cylinders

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



### Long-life Oil, Filter

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



Hydraulic oil filter (Eco-white element)

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

### Air Conditioner Filter

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



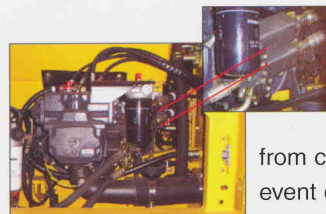
Internal air conditioner filter



External air conditioner filter

### High-Pressure In-Line Filters

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



### Extended Work Equipment Greasing Interval

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

# PC270LC-8 HYDRAULIC EXCAVATOR

## SPECIFICATIONS



### ENGINE

Model . . . . . Komatsu SAA6D107E-1  
 Type . . . . . Water-cooled, 4-cycle, direct injection  
 Aspiration . . . . . Turbocharged, aftercooled  
 Number of cylinders . . . . . 6  
 Bore . . . . . 107 mm **4.21"**  
 Stroke . . . . . 124 mm **4.88"**  
 Piston displacement . . . . . 6.69 ltr **408 in<sup>3</sup>**  
 Horsepower:  
   SAE J1995 . . . . . Gross 149 kW **200 HP**  
   ISO 9249 / SAE J1349 . . . . . Net 140 kW **187 HP**  
 Rated rpm . . . . . 2050 rpm  
 Fan drive type . . . . . Mechanical  
 Governor . . . . . All-speed control, electronic

EPA Tier 3 and EU Stage 3A emissions certified.



### HYDRAULICS

Type . . . . . HydrauMind (Hydraulic Mechanical Intelligence New Design) system, closed-center system with load sensing valves and pressure compensated valves  
 Number of selectable working modes . . . . . 4  
 Main pump:  
   Type . . . . . Variable displacement piston type  
   Pumps for . . . . . Boom, arm, bucket, swing, and travel circuits  
   Maximum flow . . . . . 450 ltr/min **119 U.S. gal/min**  
   Supply for control circuit . . . . . Self-reducing valve  
 Hydraulic motors:  
   Travel . . . . . 2 x axial piston motor with parking brake  
   Swing . . . . . 1 x axial piston motor with swing holding brake  
 Relief valve setting:  
   Implement circuits . . . . . 37.3 MPa **380 kgf/cm<sup>2</sup> 5,400 psi**  
   Travel circuit . . . . . 37.3 MPa **380 kgf/cm<sup>2</sup> 5,400 psi**  
   Swing circuit . . . . . 28.9 MPa **295 kgf/cm<sup>2</sup> 4,190 psi**  
   Pilot circuit . . . . . 3.2 MPa **33 kgf/cm<sup>2</sup> 470 psi**  
 Hydraulic cylinders:  
 (Number of cylinders – bore x stroke x rod diameter)  
   Boom . . . . . 2–140 mm x 1300 mm x 100 mm **5.5" x 51.2" x 3.9"**  
   Arm . . . . . 1–150 mm x 1635 mm x 110 mm **5.9" x 64.3" x 4.3"**  
   Bucket . . . . . 1–140 mm x 1009 mm x 100 mm **5.5" x 39.7" x 3.9"**



### DRIVES AND BRAKES

Steering control . . . . . Two levers with pedals  
 Drive method . . . . . Hydrostatic  
 Maximum drawbar pull . . . . . 249 kN **25400 kgf 56,000 lb**  
 Gradeability . . . . . 70%, 35°  
 Maximum travel speed: High . . . . . 5.5 km/h **3.4 mph**  
   (Auto-Shift) Mid . . . . . 4.1 km/h **2.5 mph**  
   Low . . . . . 3.0 km/h **1.9 mph**  
 Service brake . . . . . Hydraulic lock  
 Parking brake . . . . . Mechanical disc brake



### SWING SYSTEM

Drive method . . . . . Hydrostatic  
 Swing reduction . . . . . Planetary gear  
 Swing circle lubrication . . . . . Grease-bathed  
 Service brake . . . . . Hydraulic lock  
 Holding brake/Swing lock . . . . . Mechanical disc brake  
 Swing speed . . . . . 10.5 rpm



### UNDERCARRIAGE

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



### COOLANT AND LUBRICANT CAPACITY (REFILLING)

Fuel tank . . . . . 400 ltr **105.7 U.S. gal**  
 Coolant . . . . . 20.6 ltr **5.4 U.S. gal**  
 Engine . . . . . 23.1 ltr **6.1 U.S. gal**  
 Final drive, each side . . . . . 8.5 ltr **2.2 U.S. gal**  
 Swing drive . . . . . 8.2 ltr **2.2 U.S. gal**  
 Hydraulic tank . . . . . 132 ltr **34.9 U.S. gal**



### OPERATING WEIGHT (APPROXIMATE)

Operating weight including 5850 mm **19'2"** one-piece boom, 3045 mm **10'0"** arm, SAE heaped 1.41 m<sup>3</sup> **1.85 yd<sup>3</sup>** backhoe bucket\*, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

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

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



### WORKING FORCES

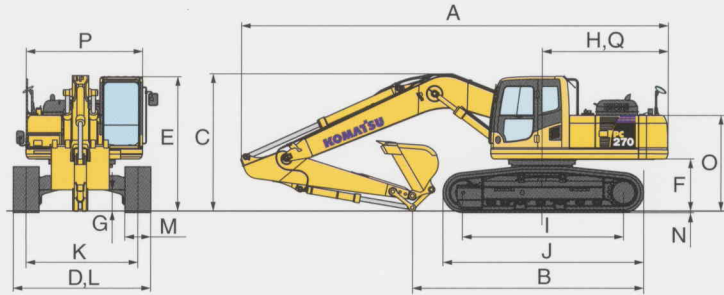
	Arm	3045 mm <b>10'0"</b>	3500 mm <b>11'6"</b>
SAE rating	Bucket digging force at power max.	176 kN <b>17900 kgf/39,460 lb</b>	176 kN <b>17900 kgf/39,460 lb</b>
	Arm crowd force at power max.	136 kN <b>13900 kgf/30,640 lb</b>	123 kN <b>12500 kgf/27,560 lb</b>
ISO rating	Bucket digging force at power max.	198 kN <b>20200 kgf/44,530 lb</b>	198 kN <b>20200 kgf/44,530 lb</b>
	Arm crowd force at power max.	138 kN <b>14100 kgf/31,080 lb</b>	126 kN <b>12800 kgf/28,220 lb</b>





## DIMENSIONS

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



## BACKHOE BUCKET, ARM, AND BOOM COMBINATION

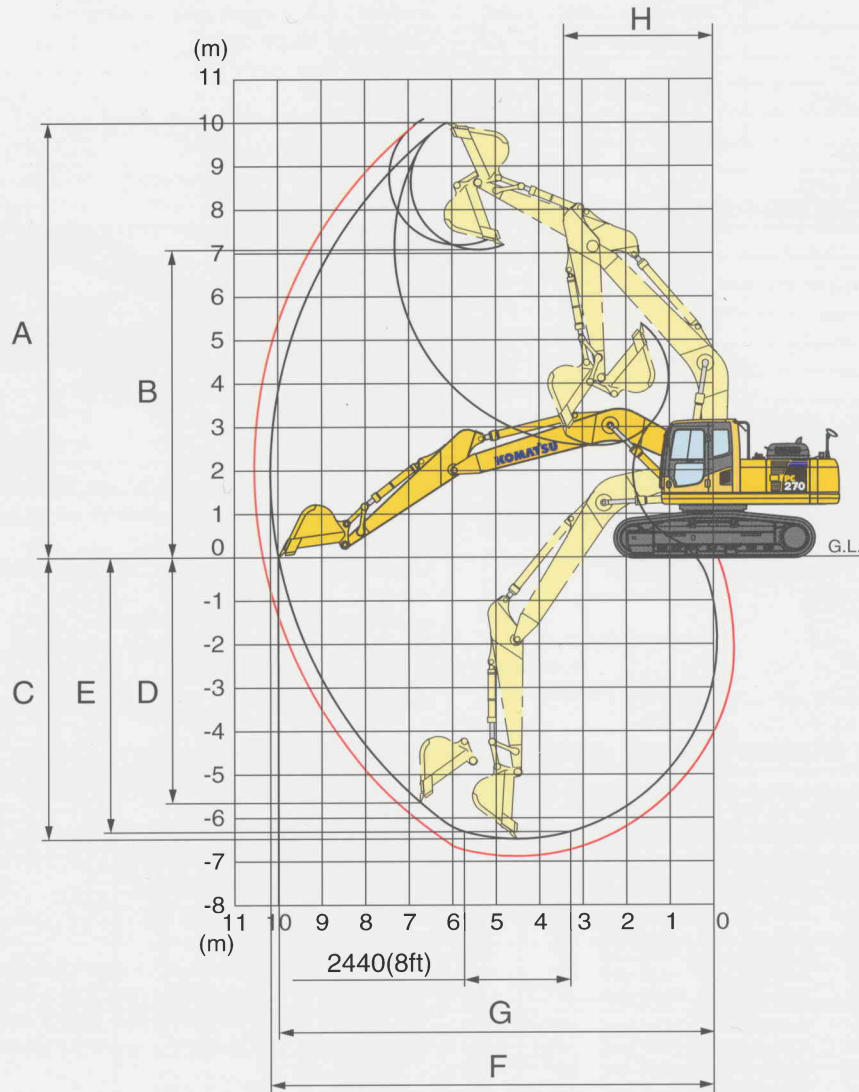
Bucket Type	Bucket			Arms	
	Capacity	Width	Weight	3.0 m 10'0"	3.5 m 11'6"
Komatsu GSK	0.58 m <sup>3</sup> 0.76 yd <sup>3</sup>	610 mm 24"	765 kg 1,686 lb	V	V
	0.78 m <sup>3</sup> 1.02 yd <sup>3</sup>	762 mm 30"	774 kg 1,707 lb	V	V
	0.99 m <sup>3</sup> 1.29 yd <sup>3</sup>	914 mm 36"	869 kg 1,915 lb	V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

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

# WORKING RANGES



**WORKING RANGE**



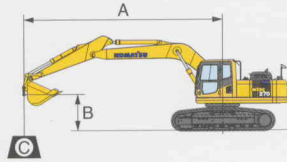
	Arm	3045 mm	10'0"	3500 mm	11'6"
<b>A</b>	Max. digging height	10000 mm	32'10"	10130 mm	33'3"
<b>B</b>	Max. dumping height	7035 mm	23'1"	7200 mm	23'7"
<b>C</b>	Max. digging depth	6460 mm	21'2"	6940 mm	22'9"
<b>D</b>	Max. vertical wall digging depth	5650 mm	18'6"	5930 mm	19'5"
<b>E</b>	Max. digging depth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



# LIFTING CAPACITIES



### LIFTING CAPACITY



- A: Reach from swing center
- B: Bucket hook height
- C: Lifting capacity
- Cf: Rating over front
- Cs: Rating over side
- ◆: Rating at maximum reach

Conditions:

- Boom length: 5850 mm **19'2"**
- Bucket: 1.26 m<sup>3</sup> **1.65 yd<sup>3</sup>**
- Bucket weight: 845 kg **1,860 lb.**
- Lifting mode: On

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

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

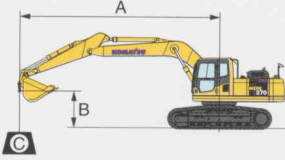
Ratings are based on ISO Standard No. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.  
\*Load is limited by hydraulic capacity rather than tipping.

# PC270LC-8 HYDRAULIC EXCAVATOR

## LIFTING CAPACITIES



LIFTING CAPACITY *continued*



- A: Reach from swing center
- B: Bucket hook height
- C: Lifting capacity
- Cf: Rating over front
- Cs: Rating over side
- ⊗: Rating at maximum reach

Conditions:

- Boom length: 5850 mm **19'2"**
- Bucket: 1.26 m<sup>3</sup> **1.65 yd<sup>3</sup>**
- Bucket weight: 845 kg **1,860 lb.**
- Lifting mode: On

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

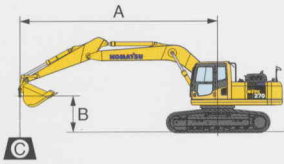
PC270LC-8		Arm: 3500 mm 11'6"				Shoe: 800 mm 31.5"				Unit: kg lb			
B	A	1.5 m 5'		3.0 m 10'		4.6 m 15'		6.1 m 20'		7.6 m 25'		⊗ Maximum	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
-7.6 m 25'												*2900 *6,450	*2900 *6,450
6.1 m 20'										*4400 *9,750	*4400 *9,750	*2800 *6,150	*2800 *6,150
4.6 m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

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





## LIFTING CAPACITY *continued*



- A: Reach from swing center
- B: Bucket hook height
- C: Lifting capacity
- Cf: Rating over front
- Cs: Rating over side
- ☉: Rating at maximum reach

### Conditions:

- Boom length: 5850 mm **19'2"**
- Bucket: 1.26 m<sup>3</sup> **1.65 yd<sup>3</sup>**
- Bucket weight: 845 kg **1,860 lb.**
- Lifting mode: On

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

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

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



## STANDARD EQUIPMENT

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



## OPTIONAL EQUIPMENT

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



## ATTACHMENT OPTIONS

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

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

