

PC150-6  
PC150LC-6  
WITH ACTIVE MODE

**KOMATSU**<sup>®</sup>

**NET HORSEPOWER**  
79 kW **107 HP** @ 2100 rpm

**OPERATING WEIGHT**  
16300 – 18168 kg  
**35,935 – 40,054 lb**



**PC150LC-6**

HYDRAULIC EXCAVATOR<sup>®</sup>

# PC150LC-6 Hydraulic Excavator

## WALK-AROUND

**The new PC150LC-6 introduces** several new features to provide the operator with a faster, quieter, and easier-to-service machine. Combine these features with outstanding resale value, and you will know why over 90% of our customers gave an “excellent” rating for our excavator design and technology.

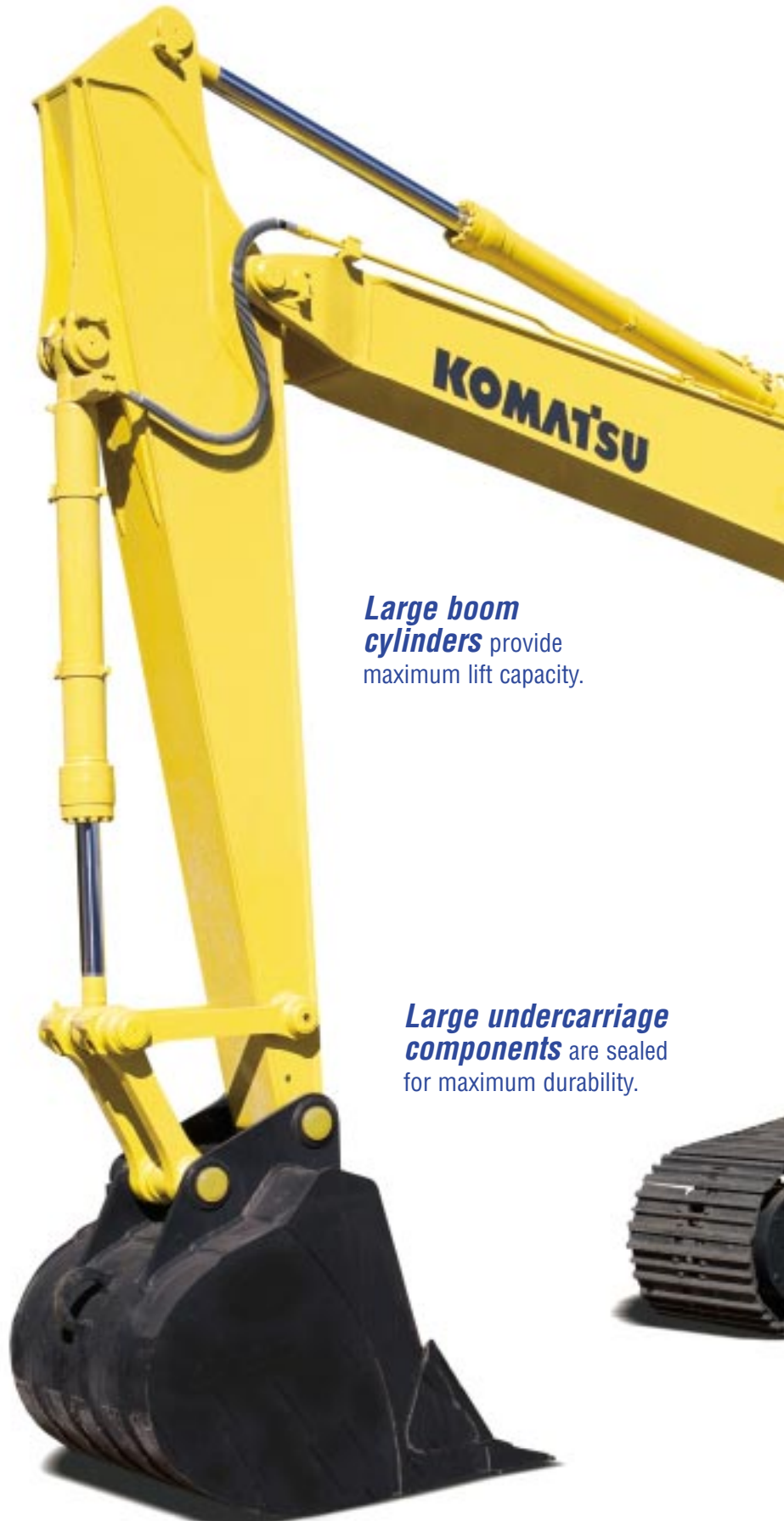
**Castings** are used for critical stress points on both the boom and arm for increased durability.

**One-piece top and bottom plates** for both the boom and arm provide maximum strength because heat stress from welding is reduced.

**Komatsu distributors** offer a wide variety of attachments that take advantage of the PC150's exceptional versatility.

**Large boom cylinders** provide maximum lift capacity.

**Large undercarriage components** are sealed for maximum durability.





### **Advanced Monitor Features**

- Self-diagnosis of 119 different items.
- Five working modes as standard, including breaker mode for maximum productivity.

**Cushioned cylinders** not only minimize shock but provide fast cycle times.

### **Comfortable Cab**

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



**NET HORSEPOWER**  
79 kW **107 HP** @ 2100 rpm

**OPERATING WEIGHT**  
16300 – 18168 kg  
**35,935 – 40,054 lb**

**BUCKET CAPACITY**  
0.38 – 0.86 m<sup>3</sup>  
**0.48 – 1.24 yd<sup>3</sup>**



### **Protected Hydraulic Circuit**

The cool-running hydraulic system is protected with the most extensive filtration system available.

**Emissionized engine,** at 79 kW **107 HP**, it is one of the most powerful in its class.

**Three-speed travel motor** provides smooth and efficient job site travel.



# PRODUCTIVITY FEATURES

*Power, versatility, maneuverability, controllability—you name it. Never has there been an excavator so easy to operate, so natural, so intuitive, so responsive.*

HydrauMind allows the load-sensing and pressure compensating valves to automatically adjust to individual work applications. Adjustments are sensed by the valves. Electronic controls maximize the engine horsepower so full horsepower is available at all times.

For example, when the ground condition changes while digging, you don't have to think about changing lever strokes because HydrauMind instantly, silently, and automatically sends just the right amount of oil to the actuators at just the right pressure to accommodate the change.

When you move the boom, arm, and bucket at the same time, all the equipment works naturally, with the optimum combination of speed and power as if it were a human hand.

HydrauMind also makes it easy to add up to three additional service valves to operate attachments. Versatility is improved.



## Filtration

The wide variety of attachments available today means you put more stress on your excavator than ever before. The PC150 has a cool-running hydraulic system with the most extensive filtration system available. It uses a new high-performance filter glass for improved cleanliness and extended replacement interval.

## Engine

The new Komatsu SA4D102E-1 meets emission regulations, including CARB. A new hydraulic pump produces the same power as in the previous model at reduced engine speed. The new engine provides improved emissions without sacrificing

valuable hydraulic power. Also, noise levels are reduced for improvement in operator comfort.



# Easy Operation

## Self-Diagnostic System

The PC150 features the most advanced diagnostic system in the industry. Komatsu's exclusive system identifies 119 items, reduces diagnostic time, and helps you maintain maximum production.

## Working Mode Selection

The *Avance* excavator is equipped with five working modes. Each mode is designed to match engine speed, pump speed, and system pressure with the current application.

Working Mode	Application	Advantage
H/O	Heavy-duty	<ul style="list-style-type: none"> <li>• Maximum production/power</li> <li>• Fast cycle times</li> <li>• Power up/speed down available</li> </ul>
G/O	General	<ul style="list-style-type: none"> <li>• Good cycle times</li> <li>• Good fuel economy</li> <li>• Power up/speed down available</li> </ul>
F/O	Finishing	<ul style="list-style-type: none"> <li>• Smooth finishing capability</li> <li>• Arm in 1/2 speed</li> </ul>
L/O	Lifting	<ul style="list-style-type: none"> <li>• Powerful lifting</li> <li>• Power maximum pressure 100% of the time</li> <li>• Reduced speed</li> <li>• Precision control</li> </ul>
B/O	Breaker Operations	<ul style="list-style-type: none"> <li>• Optimum engine rpm, hydraulic flow, and pressure</li> </ul>

## Power Up/Speed Down Switch\*

A button on top of the left joystick provides an instant burst of power at either full speed or half speed depending on the selection made on the monitor.

Selection	Application	Result
Power Up	Tough Digging Operations	Increase implement force by 9% for 8.5 seconds.
Speed Down	Delicate Operations	Speed is reduced by 50%. Increase implement force by 9% as long as joystick button is pressed.

\*Available in H/O and G/O modes only.



**Working Mode**

**Power Up/Speed Down**

**Travel Speeds**

**Active Mode**

*The Active mode increases engine speed, pump flow, and boom down speed to improve productivity up to 10%. Under light loads, equipment speed is faster. When under heavy loads it is possible to detect engine speed.*

The LCD portion of the monitor has four different display modes that aid in identifying potential problems before they become major problems:

## Four Diagnostic Modes

- 1 Time Display mode** is the default mode and shows the time and hour meter reading.
- 2 User Code Display mode** displays a trouble code and sounds an alarm when a problem has been detected.
- 3 Trouble Data Memory mode** monitors 32 separate items and stores up to 20 abnormalities over 999 hours for effective troubleshooting.
- 4 Operation Data mode** monitors 20 separate current operating conditions including system pressure and rpms to keep your machine operating at peak performance. *In addition, 44-bit patterns allow you to diagnose electrical connections.*

*Together, these modes allow you to troubleshoot 119 different problems to minimize downtime.*

# WORKING ENVIRONMENT

*The Avance® cab interior is spacious and provides a comfortable working environment.*



## Multi-Position Controls

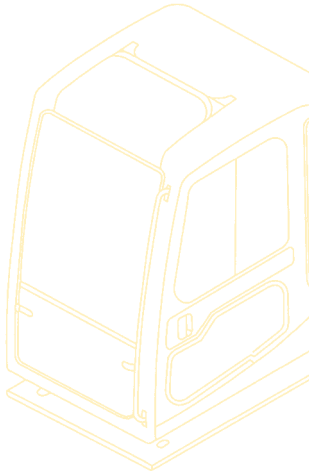
The multi-position, pressure proportional control levers allow the operator to work in comfort while maintaining precise control.

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.

The multi-position diagnostic monitor is easily reached and can be rotated to remove glare. Plus, the inclined dashboard makes the switches and fuel control dials easier to view and use.

## Automatic Deceleration

Engine speed is reduced when the controls are in neutral for over four seconds, enabling the operator to conserve fuel and enjoy a quiet work environment while waiting for trucks.



## Larger Cab

The cab interior is designed for maximum operator comfort and efficiency. The cab is 14% larger than the Dash 5 cab, and visibility is improved by increasing the glass area and attaching the windshield wiper to the cab frame, away from the operator's line of view. The remote wiper also enables the windshield to be raised without disconnecting the electrical connection.







1. ADJUSTABLE MONITOR
2. STARTER SWITCH
3. FUEL CONTROL DIAL
4. INCLINED DASHBOARD
5. ADJUSTABLE ARMRESTS
6. AM/FM RADIO
7. FULLY ADJUSTABLE SEAT
8. LOW EFFORT JOYSTICKS
9. OPERATOR WEIGHT ADJUSTMENT
10. RETRACTABLE SEAT BELT

# SPECIFICATIONS



## ENGINE

Model . . . . . Komatsu SA4D102E-1  
 Type . . . . . 4-cycle, water-cooled, direct injection  
 Aspiration . . . . . Turbocharged  
 Number of cylinders . . . . . 4  
 Bore . . . . . 102 mm **4.02"**  
 Stroke . . . . . 120 mm **4.72"**  
 Piston displacement . . . . . 3.92 ltr **239 in<sup>3</sup>**  
 Net flywheel horsepower:  
     SAE J1349 . . . . . 79 kW **107 HP** @ 2100 rpm  
 Governor . . . . . Mechanical, all-speed control  
 Meets 1997 EPA Federal Regulations



## HYDRAULIC SYSTEM

Type . . . . . HydraMind (Hydraulic Mechanical Intelligence New Design) system.  
     Closed-center system with load-sensing valves and pressure-compensated valves  
 Number of selectable working modes . . . . . 5  
 Main pump:  
     Type . . . . . Variable-capacity piston pump  
     Pump for . . . . . Boom, arm, bucket, swing, and travel circuits  
 Maximum flow . . . . . 276.0 ltr/min **72.9 U.S. gpm**  
 Sub-pump for control circuit . . . . . Gear pump  
 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 . . . . . 325 kg/cm<sup>2</sup> **4,620 psi**  
     Travel circuit . . . . . 355 kg/cm<sup>2</sup> **5,050 psi**  
     Swing circuit . . . . . 355 kg/cm<sup>2</sup> **5,050 psi**  
     Pilot circuit . . . . . 33 kg/cm<sup>2</sup> **470 psi**  
     Power max. . . . . 355 kg/cm<sup>2</sup> **5,050 psi**  
 Hydraulic cylinders:  
     Number of cylinders – bore x stroke  
     Boom . . . . . 2 – 110 mm x 1170 mm **4" x 46"**  
     Arm . . . . . 1 – 120 mm x 1352 mm **5" x 53"**  
     Bucket . . . . . 1 – 105 mm x 1013 mm **4" x 40"**



## SWING SYSTEM

Driven method . . . . . Hydraulic motor  
 Swing reduction . . . . . Planetary double reduction  
 Swing circle lubrication . . . . . Grease-bathed  
 Swing lock . . . . . Oil disc brake (in swing gearbox)  
 Swing speed . . . . . 12.0 rpm  
 Swing torque . . . . . 3957 kg.m **28,499 ft lbs**



## OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 5150 mm **16'11"** one-piece boom, 2610 mm **8'7"** arm, SAE heaped 0.66 m<sup>3</sup> **0.86 yd<sup>3</sup>** bucket, operator, lubricant, coolant, full fuel tank, and standard equipment.

Shoes		Standard				LC			
		Operating Weight		Ground Pressure		Operating Weight		Ground Pressure	
mm	in	kg	lb	kg/cm <sup>2</sup>	psi	kg	lb	kg/cm <sup>2</sup>	psi
500	20"	16300	<b>35,935</b>	0.52	<b>7.13</b>	17668	<b>38,951</b>	0.50	<b>7.11</b>
600	24"	16530	<b>36,442</b>	0.44	<b>6.26</b>	17918	<b>39,503</b>	0.42	<b>5.97</b>
700	28"	16760	<b>36,950</b>	0.38	<b>5.4</b>	18168	<b>40,054</b>	0.37	<b>5.28</b>



## DRIVES AND BRAKES

### Steering control

Steering/traveling control is activated with either hand levers or foot pedals. Pushing both levers/pedals moves machine forward. Pulling levers or depressing pedals back makes machine go in reverse. Setting one lever/pedal in neutral and the other in forward enables machine to make a pivot turn. Pushing one forward while pulling the other backward makes the machine counter-rotate on the spot.

Drive method . . . . . Fully hydraulic  
 Travel motor . . . . . Axial piston motor  
 Reduction system . . . . . Planetary triple reduction  
 Maximum drawbar pull . . . . . 15000 kg **33,068 lb**  
 Maximum travel speed: High . . . . . 5.5 km/h **3.4 mph**  
     Mid . . . . . 4.0 km/h **2.5 mph**  
     Low . . . . . 3.0 km/h **2.0 mph**  
 Service brake . . . . . Hydraulic lock  
 Parking brake . . . . . Oil disc brake (in gearbox)



## UNDERCARRIAGE

Center frame . . . . . X-frame  
 Track frame . . . . . Box-section  
 Seal of track . . . . . Sealed track  
 Track adjuster . . . . . Hydraulic  
 Number of shoes: PC150-6 . . . . . 41 each side  
     PC150LC-6 . . . . . 45 each side  
 Number of carrier rollers: PC150-6 . . . . . 1 each side  
     PC150LC-6 . . . . . 2 each side  
 Number of track rollers: PC150-6 . . . . . 6 each side  
     PC150LC-6 . . . . . 7 each side



## COOLANT AND LUBRICANT CAPACITY (REFILLING)

Fuel tank . . . . . 250 ltr **66.0 U.S. gal**  
 Radiator . . . . . 20.0 ltr **5.3 U.S. gal**  
 Engine . . . . . 16.0 ltr **4.2 U.S. gal**  
 Final drive, each side . . . . . 4.0 ltr **1.2 U.S. gal**  
 Swing drive . . . . . 4.0 ltr **1.2 U.S. gal**  
 Hydraulic tank . . . . . 120 ltr **31.7 U.S. gal**

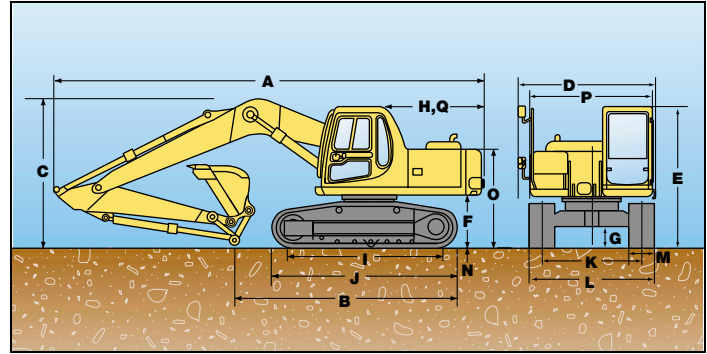


## PC150-6

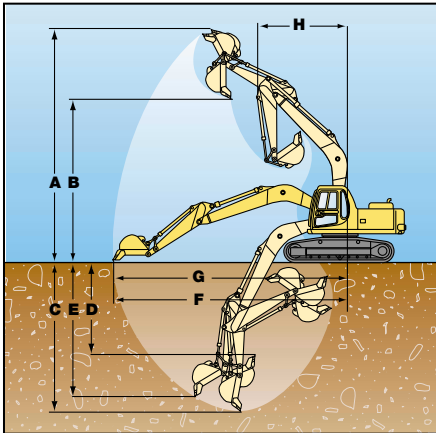


### DIMENSIONS

	Arm	1850 mm	6'1"	2250 mm	7'5"	2610 mm	8'7"	2910 mm	9'7"
A	Overall length	8625 mm	28'4"	8565 mm	28'1"	8565 mm	28'1"	8570 mm	28'1"
B	Length on ground (transport)	5865 mm	19'3"	4970 mm	16'4"	4585 mm	15'1"	4395 mm	14'5"
C	Overall height (to top of boom)	3115 mm	10'3"	2945 mm	9'8"	2960 mm	9'9"	3060 mm	10'1"
D	Overall width	2760 mm	9'1"						
E	Overall height (to top of cab)	2829 mm	9'3"						
F	Ground clearance, counterweight	989 mm	3'3"						
G	Minimum ground clearance	442 mm	1'5"						
H	Tail swing radius	2417 mm	7'11"						
I	Length of track on ground	2880 mm	9'5"						
J	Track length	3686 mm	12'1"						
K	Track gauge	1990 mm	6'6"						
L	Width of crawler	2590 mm	8'6"						
M	Shoe width	600 mm	2'0"						
N	Grouser height	25 mm	1.0"						
O	Machine cab height	2445 mm	8'0"						
P	Upper structure width	2455 mm	8'1"						
Q	Distance, swing center to rear end	2417 mm	7'11"						



### WORKING RANGE AND BUCKET/ARM COMBINATION



	Arm	1850 mm	6'1"	2250 mm	7'5"	2610 mm	8'7"	2910 mm	9'7"
A	Max. digging height	8735 mm	28'8"	8800 mm	28'10"	8865 mm	29'1"	9015 mm	29'7"
B	Max. dumping height	6090 mm	20'0"	6190 mm	20'4"	6280 mm	20'7"	6430 mm	21'1"
C	Max. digging depth	5240 mm	17'2"	5645 mm	18'6"	6000 mm	19'8"	6290 mm	20'8"
D	Max. vertical wall digging depth	4546 mm	14'11"	5076 mm	16'8"	5730 mm	18'10"	5783 mm	19'0"
E	Max. digging depth of cut for 8' level	4990 mm	16'4"	5415 mm	17'9"	5780 mm	19'0"	6090 mm	20'0"
F	Max. digging reach	8355 mm	27'5"	8675 mm	28'6"	8960 mm	29'5"	9230 mm	30'3"
G	Max. digging reach at ground	8190 mm	26'10"	8515 mm	27'11"	8805 mm	28'11"	9080 mm	29'10"
H	Min. swing radius	3360 mm	11'0"	3060 mm	10'1"	3000 mm	9'10"	3010 mm	9'11"
	Bucket digging force*	12540 kg		12540 kg		12540 kg		12540 kg	
		27,646 lb		27,646 lb		27,646 lb		27,646 lb	
	Arm crowd force*	12126 kg		9700 kg		8393 kg		7521 kg	
		26,733 lb		21,385 lb		18,503 lb		16,581 lb	

\*at power max



### BACKHOE BUCKET AND ARM COMBINATION

Bucket Type	Bucket				Arms					
	Capacity	OLW	Weight	Number of Teeth	Tooth Size	1.9 m 6'1"	2.3 m 7'5"	2.61 m 8'7"	2.9 m 9'6"	
Komatsu "H" Series HD	0.47 m <sup>3</sup>	0.62 yd <sup>3</sup>	610 mm 24"	545 kg 1,201 lb	4	X290	V	V	V	V
	0.64 m <sup>3</sup>	0.82 yd <sup>3</sup>	762 mm 30"	585 kg 1,289 lb	4	X290	V	V	V	V
	0.79 m <sup>3</sup>	1.03 yd <sup>3</sup>	914 mm 36"	659 kg 1,452 lb	5	X290	V	V	W	X
	0.95 m <sup>3</sup>	1.24 yd <sup>3</sup>	1067 mm 42"	719 kg 1,585 lb	5	X290	W	W	X	Y
Komatsu "H" Series SD	0.45 m <sup>3</sup>	0.59 yd <sup>3</sup>	610 mm 24"	626 kg 1,380 lb	4	X290AP	V	V	V	V
	0.60 m <sup>3</sup>	0.79 yd <sup>3</sup>	762 mm 30"	659 kg 1,452 lb	4	X290AP	V	V	V	V
	0.77 m <sup>3</sup>	1.00 yd <sup>3</sup>	914 mm 36"	740 kg 1,632 lb	5	X290AP	V	V	W	X
	0.93 m <sup>3</sup>	1.21 yd <sup>3</sup>	1067 mm 42"	806 kg 1,777 lb	6	X290AP	W	X	X	Y
Komatsu MHD	0.39 m <sup>3</sup>	0.51 yd <sup>3</sup>	610 mm 24"	461 kg 1,017 lb	4	V23	V	V	V	V
	0.52 m <sup>3</sup>	0.68 yd <sup>3</sup>	762 mm 30"	510 kg 1,124 lb	4	V23	V	V	V	V
	0.66 m <sup>3</sup>	0.86 yd <sup>3</sup>	914 mm 36"	566 kg 1,248 lb	5	V23	V	V	W	X
	0.79 m <sup>3</sup>	1.03 yd <sup>3</sup>	1067 mm 42"	626 kg 1,380 lb	6	V23	W	W	W	Y
Komatsu SHD	0.37 m <sup>3</sup>	0.48 yd <sup>3</sup>	610 mm 24"	619 kg 1,365 lb	4	V29	V	V	V	V
	0.51 m <sup>3</sup>	0.67 yd <sup>3</sup>	762 mm 30"	692 kg 1,526 lb	4	V29	V	V	V	V
	0.63 m <sup>3</sup>	0.83 yd <sup>3</sup>	914 mm 36"	770 kg 1,698 lb	5	V29	V	V	V	W
	0.78 m <sup>3</sup>	1.02 yd <sup>3</sup>	1067 mm 42"	856 kg 1,888 lb	6	V29	V	W	X	Y
Komatsu SHD/KVX	0.37 m <sup>3</sup>	0.48 yd <sup>3</sup>	610 mm 24"	596 kg 1,313 lb	3	M36	V	V	V	V
	0.51 m <sup>3</sup>	0.67 yd <sup>3</sup>	762 mm 30"	682 kg 1,504 lb	4	M36	V	V	V	V
	0.64 m <sup>3</sup>	0.83 yd <sup>3</sup>	914 mm 36"	745 kg 1,643 lb	4	M36	V	V	V	W
	0.78 m <sup>3</sup>	1.02 yd <sup>3</sup>	1067 mm 42"	831 kg 1,831 lb	5	M36	V	W	X	X

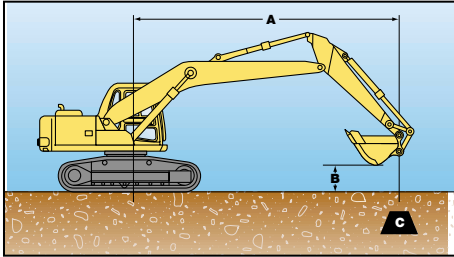
V – Material weight up to 2.1 ton/m<sup>3</sup> 3,500 lb/yd<sup>3</sup>, W – Material weight up to 1.8 ton/m<sup>3</sup> 3,000 lb/yd<sup>3</sup>, X – Material weight up to 1.5 ton/m<sup>3</sup> 2,500 lb/yd<sup>3</sup>, Y – Material weight up to 1.2 ton/m<sup>3</sup> 2,000 lb/yd<sup>3</sup>, Z – Not useable

\* – Buckets with play adjustment

# PC150-6



## LIFTING CAPACITY



### Equipment:

- Boom: 5150 mm 16'11"
- Bucket: 0.39 m<sup>3</sup> 0.51 yd<sup>3</sup>
- Shoes: 500 mm 20"
- Lifting mode

A: Reach from swing center

B: Bucket hook height

C: Lifting capacity

Cf: Rating over front

Cs: Rating over side

⊗: Rating at maximum reach

Arm: 1850 mm 6'1"												Unit: kg lb	
B	A	1.5 m 5'		3.0 m 10'		4.5 m 15'		6.0 m 20'		7.6 m 25'		⊗ Maximum	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
6.0 m 20'												*3650 *8,000	2750 6,100
4.5 m 15'						*5000 *11,000	4450 9,800	3850 8,500	2700 6,000			3050 6,700	2100 4,600
3.0 m 10'						6000 13,200	4050 8,900	3700 8,200	2550 5,600			2650 5,800	1800 4,000
1.5 m 5'						5600 12,300	3700 8,200	3550 7,800	2400 5,300			2550 5,600	1700 3,700
0.0 m 0'						5350 11,800	3500 7,700	3450 7,600	2300 5,100			2600 5,700	1750 3,900
-1.5 m -5'				*9450 *20,800	6650 14,700	5350 11,800	3500 7,700	3400 7,500	2250 5,000			2950 6,500	1950 4,300
-3.0 m -10'				*8700 *19,200	6850 15,100	5450 12,000	3600 7,900					3850 8,500	2600 5,700
-4.5 m -15'													

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

\*Load is limited by hydraulic capacity rather than tipping.

Arm: 2250 mm 7'5"												Unit: kg lb	
B	A	1.5 m 5'		3.0 m 10'		4.5 m 15'		6.0 m 20'		7.6 m 25'		⊗ Maximum	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
6.0 m 20'								*3200 *7,100	2700 6,000			*2100 *4,600	*2100 *4,600
4.5 m 15'						*4500 *9,900	4500 9,900	3850 8,500	2700 6,000			*2050 *4,500	1850 4,100
3.0 m 10'				*8750 *19,300	7850 17,300	*5650 *12,500	4100 9,000	3700 8,200	2550 5,600	2450 5,400	1650 3,600	*2100 *4,600	1600 3,500
1.5 m 5'						5600 12,300	3700 8,200	3500 7,700	2350 5,200	2400 5,300	1600 3,500	*2300 *5,100	1500 3,300
0.0 m 0'				*5700 *12,600	*5700 *12,600	5300 11,700	3450 7,600	3400 7,500	2250 5,000	2350 5,200	1550 3,400	2350 5,200	1550 3,400
-1.5 m -5'		*5300 *11,700	*5300 *11,700	*9350 *20,600	6450 14,200	5250 11,600	3400 7,500	3300 7,300	2200 4,900			2650 5,800	1700 3,700
-3.0 m -10'		*9250 *20,400	*9250 *20,400	*9400 *20,700	6650 14,700	5300 11,700	3450 7,600	3400 7,500	2250 5,000			3350 7,400	2200 4,900
-4.5 m -15'				*6250 *13,800	*6250 *13,800							*4000 *8,800	3750 8,300

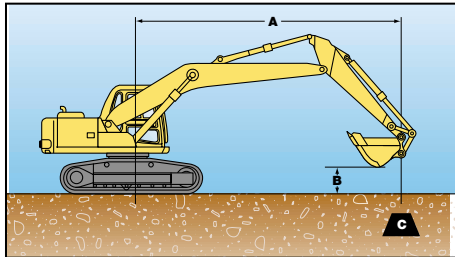
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\*Load is limited by hydraulic capacity rather than tipping.

## PC150-6



### LIFTING CAPACITY



#### Equipment:

- Boom: 5150 mm 16'11"
- Bucket: 0.39 m<sup>3</sup> 0.51 yd<sup>3</sup>
- Shoes: 500 mm 20"
- Lifting mode

A: Reach from swing center

B: Bucket hook height

C: Lifting capacity

Cf: Rating over front

Cs: Rating over side

⊗: Rating at maximum reach

Arm: 2610 mm 8'7"												Unit: kg lb	
B	A	1.5 m 5'		3.0 m 10'		4.5 m 15'		6.0 m 20'		7.6 m 25'		⊗ Maximum	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
6.0 m 20'								*3150 *6,900	2750 6,100			*1700 *3,700	*1700 *3,700
4.5 m 15'								*3700 *8,200	2700 6,000			*1650 *3,600	*1650 *3,600
3.0 m 10'				*7750 *17,100	*7750 *17,100	*5300 *11,700	4200 9,300	3750 8,300	2550 5,600	2500 5,500	1650 3,600	*1700 *3,700	1500 3,300
1.5 m 5'				*6750 *14,900	*6750 *14,900	5550 12,200	3700 8,200	3550 7,800	2350 5,200	2400 5,300	1550 3,400	*1900 *4,200	1400 3,100
0.0 m 0'				*6400 *14,100	*6400 *14,100	5350 11,800	3500 7,700	3400 7,500	2200 4,900	2350 5,200	1500 3,300	2200 4,900	1400 3,100
-1.5 m -5'		*5050 *11,100	*5050 *11,100	*9100 *20,100	6450 14,200	5200 11,500	3350 7,400	3300 7,300	2150 4,700			2400 5,300	1550 3,400
-3.0 m -10'		*8300 *18,300	*8300 *18,300	*9950 *21,900	6600 14,600	5250 11,600	3400 7,500	3350 7,400	2200 4,900			3000 6,600	1950 4,300
-4.5 m -15'				*7300 *16,100	6950 15,300	*4900 *10,800	3600 7,900					*4150 *9,100	3100 6,800

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.  
\*Load is limited by hydraulic capacity rather than tipping.

Arm: 2910 mm 9'7"												Unit: kg lb	
B	A	1.5 m 5'		3.0 m 10'		4.5 m 15'		6.0 m 20'		7.6 m 25'		⊗ Maximum	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
6.0 m 20'								*3050 *6,700	2850 6,300			*1500 *3,300	*1500 *3,300
4.5 m 15'								*3550 *7,800	2750 6,100	*2200 *4,900	1750 3,900	*1450 *3,200	*1450 *3,200
3.0 m 10'				*7150 *15,800	*7150 *15,800	*5000 *11,000	4250 9,400	3800 8,400	2600 5,700	2500 5,500	1700 3,700	*1500 *3,300	1400 3,100
1.5 m 5'				*8750 *19,300	7100 15,700	5750 12,700	3800 8,400	3550 7,800	2400 5,300	2450 5,400	1600 3,500	*1650 *3,600	1300 2,900
0.0 m 0'				*6750 *14,900	6500 14,300	5350 11,800	3500 7,700	3400 7,500	2250 5,000	2350 5,200	1500 3,300	*1900 *4,200	1300 2,900
-1.5 m -5'		*4750 *10,500	*4750 *10,500	*8750 *19,300	6400 14,100	5200 11,500	3350 7,400	3300 7,300	2150 4,700	2300 5,100	1500 3,300	2250 5,000	1450 3,200
-3.0 m -10'		*7600 *16,800	*7600 *16,800	*10350 *22,800	6500 14,300	5200 11,500	3350 7,400	3300 7,300	2150 4,700			2750 6,100	1800 4,000
-4.5 m -15'				*8000 *17,600	6800 15,000	5300 11,700	3450 7,600					4050 8,900	2700 6,000

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.  
\*Load is limited by hydraulic capacity rather than tipping.

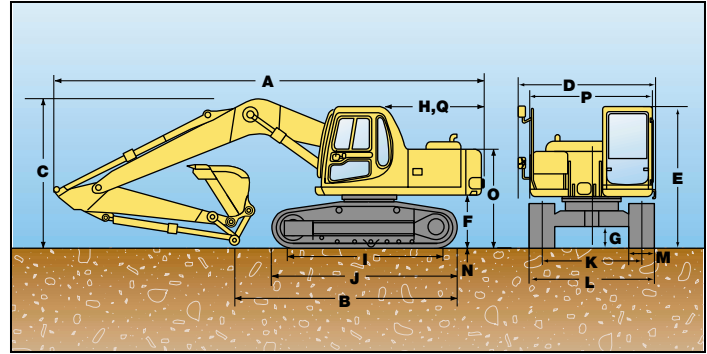


# PC150LC-6

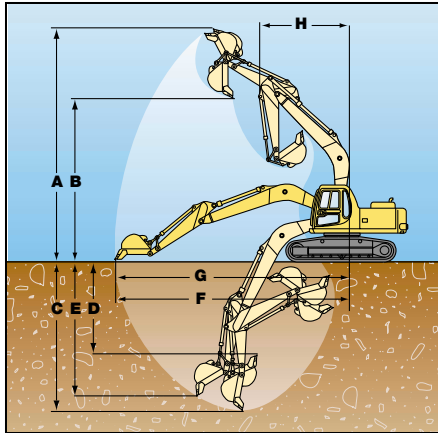


## DIMENSIONS

	Arm	1850 mm	6'1"	2250 mm	7'5"	2610 mm	8'7"	2900 mm	9'6"
A	Overall length	8625 mm	28'4"	8565 mm	28'1"	8565 mm	28'1"	8570 mm	28'1"
B	Length on ground (transport)	6040 mm	19'10"	5135 mm	16'10"	4750 mm	15'7"	4555 mm	14'11"
C	Overall height (to top of boom)	3125 mm	10'4"	2960 mm	9'9"	2965 mm	9'9"	3055 mm	10'0"
D	Overall width	2760 mm	9'1"						
E	Overall height (to top of cab)	2871 mm	9'5"						
F	Ground clearance, counterweight	1030 mm	3'5"						
G	Minimum ground clearance	442 mm	1'5"						
H	Tail swing radius	2433 mm	7'11"						
I	Length of track on ground	3260 mm	10'8"						
J	Track length	4066 mm	13'4"						
K	Track gauge	1990 mm	6'6"						
L	Width of crawler	2590 mm	8'6"						
M	Shoe width	600 mm	2'0"						
N	Grouser height	25 mm	1.0"						
O	Machine cab height	1986 mm	6'6"						
P	Upper structure width	2442 mm	8'1"						
Q	Distance, swing center to rear end	2417 mm	7'11"						



## WORKING RANGE AND BUCKET/ARM COMBINATION



	Arm	1850 mm	6'1"	2250 mm	7'5"	2610 mm	8'7"	2900 mm	9'6"
A	Max. digging height	8775 mm	28'9"	8840 mm	29'0"	8900 mm	29'2"	9055 mm	29'8"
B	Max. dumping height	6130 mm	20'1"	6230 mm	20'5"	6320 mm	20'9"	6470 mm	21'3"
C	Max. digging depth	5200 mm	17'1"	5610 mm	18'5"	5960 mm	19'7"	6250 mm	20'6"
D	Max. vertical wall digging depth	4506 mm	14'9"	5036 mm	16'6"	5890 mm	19'3"	5743 mm	18'10"
E	Max. digging depth of cut for 8' level	4950 mm	16'3"	5375 mm	17'8"	5740 mm	18'10"	6050 mm	19'10"
F	Max. digging reach	8355 mm	27'5"	8676 mm	28'6"	8960 mm	29'5"	9230 mm	30'3"
G	Max. digging reach at ground	8180 mm	26'10"	8510 mm	27'11"	8800 mm	28'10"	9075 mm	29'9"
H	Min. swing radius	3380 mm	11'3"	3060 mm	10'1"	3000 mm	9'10"	3010 mm	9'11"
	Bucket digging force*	12540 kg 27,646 lb		12540 kg 27,646 lb		12540 kg 27,646 lb		12540 kg 27,646 lb	
	Arm crowd force*	12126 kg 26,733 lb		9700 kg 21,385 lb		8393 kg 18,503 lb		7521 kg 16,581 lb	

\*at power max



## BACKHOE BUCKET AND ARM COMBINATION

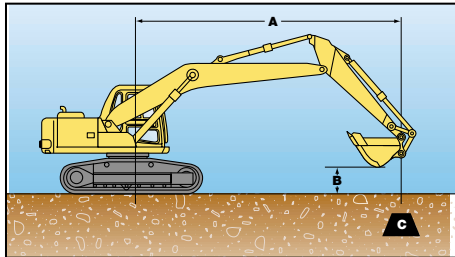
Bucket Type	Bucket				Arms				
	Capacity	OLW	Weight	Number of Teeth	Tooth Size	1.9 m 6'1"	2.3 m 7'5"	2.61 m 8'7"	2.9 m 9'6"
Komatsu "H" Series HD	0.47 m <sup>3</sup>	610 mm	545 kg	4	X290	V	V	V	V
	0.64 m <sup>3</sup>	762 mm	585 kg	4	X290	V	V	V	V
	0.79 m <sup>3</sup>	914 mm	659 kg	5	X290	V	V	W	X
	0.95 m <sup>3</sup>	1067 mm	719 kg	5	X290	W	W	X	Y
Komatsu "H" Series SD	0.45 m <sup>3</sup>	610 mm	626 kg	4	X290AP	V	V	V	V
	0.60 m <sup>3</sup>	762 mm	659 kg	4	X290AP	V	V	V	V
	0.77 m <sup>3</sup>	914 mm	740 kg	5	X290AP	V	V	W	X
	0.93 m <sup>3</sup>	1067 mm	806 kg	6	X290AP	W	X	X	Y
Komatsu MHD	0.39 m <sup>3</sup>	610 mm	461 kg	4	V23	V	V	V	V
	0.52 m <sup>3</sup>	762 mm	510 kg	4	V23	V	V	V	V
	0.66 m <sup>3</sup>	914 mm	566 kg	5	V23	V	V	W	X
	0.79 m <sup>3</sup>	1067 mm	626 kg	6	V23	W	W	W	Y
Komatsu SHD	0.37 m <sup>3</sup>	610 mm	619 kg	4	V29	V	V	V	V
	0.51 m <sup>3</sup>	762 mm	692 kg	4	V29	V	V	V	V
	0.63 m <sup>3</sup>	914 mm	770 kg	5	V29	V	V	V	W
	0.78 m <sup>3</sup>	1067 mm	856 kg	6	V29	V	W	X	Y
Komatsu SHD/KVX	0.37 m <sup>3</sup>	610 mm	596 kg	3	M36	V	V	V	V
	0.51 m <sup>3</sup>	762 mm	682 kg	4	M36	V	V	V	V
	0.64 m <sup>3</sup>	914 mm	745 kg	4	M36	V	V	V	W
	0.78 m <sup>3</sup>	1067 mm	831 kg	5	M36	V	W	X	X

V – Material weight up to 2.1 ton/m<sup>3</sup> 3,500 lb/yd<sup>3</sup>, W – Material weight up to 1.8 ton/m<sup>3</sup> 3,000 lb/yd<sup>3</sup>, X – Material weight up to 1.5 ton/m<sup>3</sup> 2,500 lb/yd<sup>3</sup>, Y – Material weight up to 1.2 ton/m<sup>3</sup> 2,000 lb/yd<sup>3</sup>, Z – Not useable

## PC150LC-6



### LIFTING CAPACITY



#### Equipment:

- Boom: 5150 mm 16'11"
- Bucket: 0.39 m<sup>3</sup> 0.51 yd<sup>3</sup>
- Shoes: 600 mm 24"
- Lifting mode

A: Reach from swing center

B: Bucket hook height

C: Lifting capacity

Cf: Rating over front

Cs: Rating over side

⊗: Rating at maximum reach

Arm: 1850 mm 6'1"												Unit: kg lb	
B	A	1.5 m 5'		3.0 m 10'		4.5 m 15'		6.0 m 20'		7.6 m 25'		⊗ Maximum	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
6.0 m 20'												*3650 *8,000	2900 6,300
4.5 m 15'						*5000 *11,000	4650 10,200	*4350 *9,600	2800 6,200			*3450 *7,700	2200 4,900
3.0 m 10'						*6100 *13,500	4250 9,400	4650 10,300	2700 6,000			3350 7,400	1900 4,200
1.5 m 5'						7150 15,700	3900 8,600	4600 10,100	2550 5,600			3200 7,100	1800 4,000
0.0 m 0'						6900 15,200	3700 8,200	4350 9,600	2450 5,400			3300 7,300	1850 4,100
-1.5 m -5'				*9450 *20,800	*7000 *15,500	6850 15,100	3700 8,200	4350 9,600	2400 5,300			3750 8,200	2100 4,600
-3.0 m -10'				*8700 *19,200	7250 16,000	*6200 *13,700	3800 8,400					*4450 *9,800	2750 6,000

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.  
\*Load is limited by hydraulic capacity rather than tipping.

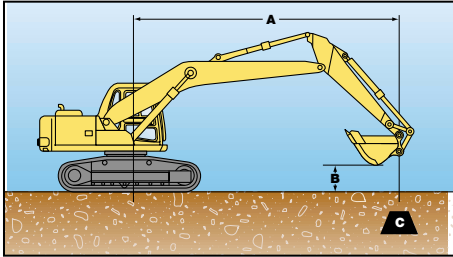
Arm: 2250 mm 7'5"												Unit: kg lb	
B	A	1.5 m 5'		3.0 m 10'		4.5 m 15'		6.0 m 20'		7.6 m 25'		⊗ Maximum	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
6.0 m 20'								*3200 *7,100	2850 6,300			*2100 *4,600	*2100 *4,600
4.5 m 15'						*4500 *9,900	*4500 *9,900	*4000 *8,800	2800 6,200			*2050 *4,500	2000 4,400
3.0 m 10'				*8750 *19,300	8200 18,100	*5650 *12,500	4300 9,500	*4450 *9,800	2700 5,900	*2550 *5,700	1750 3,900	*2100 *4,600	1700 3,800
1.5 m 5'						*6800 *15,000	3900 8,600	4450 9,800	2500 5,500	3050 6,800	1700 3,800	*2300 *5,000	1600 3,600
0.0 m 0'				*5700 *12,600	*5700 *12,600	6850 15,100	3650 8,100	4300 9,500	2350 5,200	*2700 *5,900	1650 3,700	*2650 *5,800	1650 3,700
-1.5 m -5'		*5300 *11,700	*5300 *11,700	*9350 *20,700	6850 15,100	6750 14,900	3550 7,900	4250 9,400	2300 5,100			*3250 *7,200	1850 4,100
-3.0 m -10'		*9250 *20,400	*9250 *20,400	*9400 *20,700	7050 15,500	*6550 *14,400	3650 8,100	4350 9,600	2400 5,300			4250 9,400	2350 5,200
-4.5 m -15'				*6250 *13,800	*6250 *13,800							*4000 *8,800	3950 8,700

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.  
\*Load is limited by hydraulic capacity rather than tipping.

# PC150LC-6



## LIFTING CAPACITY



### Equipment:

- Boom: 5150 mm 16'11"
- Bucket: 0.39 m<sup>3</sup> 0.51 yd<sup>3</sup>
- Shoes: 600 mm 24"
- Lifting mode

A: Reach from swing center

B: Bucket hook height

C: Lifting capacity

Cf: Rating over front

Cs: Rating over side

⊗: Rating at maximum reach

Arm: 2610 mm 8'7"												Unit: kg lb	
B	A	1.5 m 5'		3.0 m 10'		4.5 m 15'		6.0 m 20'		7.6 m 25'		⊗ Maximum	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
6.0 m 20'								*3150 *6,900	2900 6,400			*1700 *3,800	*1700 *3,800
4.5 m 15'								*3700 *8,200	2850 6,300			*1650 *3,700	*1650 *3,700
3.0 m 10'				*7750 *17,100	*7750 *17,100	*5300 *11,700	4400 9,700	*4250 *9,400	2700 6,000	*3100 *6,800	1750 3,900	*1700 *3,800	1600 3,600
1.5 m 5'				*6750 *14,800	*6750 *14,800	*6450 *14,200	3900 8,600	4450 9,900	2500 5,500	3050 6,700	1700 3,800	*1900 *4,200	1500 3,300
0.0 m 0'				*6400 *14,100	*6400 *14,100	6900 15,200	3700 8,100	4300 9,500	2350 5,200	3000 6,600	1600 3,600	*2200 *4,800	1500 3,300
-1.5 m -5'		*5050 *11,200	*5050 *11,200	*9100 *20,000	6800 15,100	6750 14,900	3550 7,900	4250 9,400	2300 5,100			*2750 *6,000	1650 3,700
-3.0 m -10'		*8300 *18,300	*8300 *18,300	*9950 *22,000	6950 15,400	6800 15,000	3550 7,900	4250 9,400	2300 5,100			3850 8,500	2100 4,600
-4.5 m -15'				*7300 *16,100	*7300 *16,100	*4900 *10,800	3800 8,400					*4150 *9,200	3300 7,300

Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

\*Load is limited by hydraulic capacity rather than tipping.

Arm: 2910 mm 9'7"												Unit: kg lb	
B	A	1.5 m 5'		3.0 m 10'		4.5 m 15'		6.0 m 20'		7.6 m 25'		⊗ Maximum	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
6.0 m 20'								*3050 *6,800	2950 6,600			*1500 *3,300	*1500 *3,300
4.5 m 15'								*3550 *7,900	2900 6,400	*2200 *4,800	1850 4,100	*1450 *3,200	*1450 *3,200
3.0 m 10'				*7150 *15,800	*7150 *15,800	*5000 *11,000	4450 9,900	*4050 *9,000	2750 6,000	3200 7,000	1800 4,000	*1500 *3,300	1500 3,300
1.5 m 5'				*8750 *19,300	7500 16,500	*6300 *13,900	4050 8,900	4500 9,900	2550 5,800	3100 6,800	1700 3,800	*1650 *3,700	1400 3,100
0.0 m 0'				*6750 *14,900	*6750 *14,900	6900 15,200	3700 8,200	4300 9,500	2400 5,300	3000 6,600	1650 3,700	*1900 *4,200	1400 3,100
-1.5 m -5'		*4750 *10,500	*4750 *10,500	*8750 *19,300	6750 14,900	6750 14,900	3550 7,900	4200 9,300	2300 5,100	2950 6,600	1600 3,600	*2350 *5,200	1550 3,400
-3.0 m -10'		*7600 *16,800	*7600 *16,800	*10350 *22,800	6900 15,200	6800 14,900	3550 7,900	4250 9,400	2300 5,100			*3250 *7,200	1900 4,200
-4.5 m -15'				*8000 *17,600	7200 15,800	*5350 *11,800	3650 8,100					*4100 *9,000	2850 6,300

Ratings are based on SAE Standard No. J1097. 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

### ENGINE AND RELATED ITEMS:

- Engine, Komatsu SA4D102E-1, turbocharged and aftercooled, direct injection, diesel
- Net horsepower 79 kW **107 HP** @ 2100 rpm
- Air cleaner, cooling fan, suction, plastic blade, mixed flow with fan guard

### ELECTRICAL SYSTEM:

- Alternator, 45 ampere **24 V**
- Batteries, 120 Ah, **2 x 12 V**
- Light, one front (RH)
- Starting motor, 4.5 kW

### UNDERCARRIAGE:

- 600 mm **24"** triple grouser shoes
- Standard: 6 track/1 carrier roller (each side)
- LC: 7 track/2 carrier rollers (each side)
- Hydraulic track adjusters (each side)

### GUARDS AND COVERS:

- Dustproof net for radiator and oil cooler
- Low noise machine cover
- Pump/engine room partition cover
- Revolving frame under cover
- Turbocharger exhaust manifold cover

### OPERATOR ENVIRONMENT:

- Cab, steel, sound suppression, includes:
  - AM/FM radio
  - Antenna
  - Ceiling hatch

- Floor mat
- Handrails for machine cab
- Heater and defroster
- Horn
- Pull-up front window with lock device
- Removable lower windshield
- Rearview mirror, RH and LH
- Seat, adjustable suspension, double slide mechanism
- Seat belt, **3"** retractable
- Storage box
- Tinted safety glass
- Windshield washer and wiper (with intermittent feature)

### MONITORING SYSTEM, ELECTRONIC DISPLAY ITEMS:

- Instrument panel (angle adjustable), electric display monitor system with electrically controlled engine throttle dial, electric service meter, clock, gauges (coolant temp and fuel level), caution lights, indicator lights, level check lights, self-diagnostic system with trouble data memory

### HYDRAULIC CONTROLS:

- HydrauMind system, full hydrostatic with closed center load sensing (CLSS) and engine sensing
  - Active mode
  - Auto-deceleration system
  - Automatic engine warm-up system
  - Engine overheat protection system

- Power maximizing system
- Swift slow-down system
- Breaker mode system
- Axial piston motors for swing and travel
- Boom holding valve
- Control levers, adjustable wrist for boom, arm, bucket, and swing
- Control levers and pedals for steering and travel with PPC system
- Gear pump for control circuit
- Hinged oil cooler, swing-out
- In-line filter
- Spool control valves for boom, arm, bucket, swing, travel (R and L)
- Variable capacity piston pump

### DRIVE AND BRAKE SYSTEM:

- Brakes, hydraulic lock, oil disc parking, and swing holding brake
- Hydrostatic, three travel speeds with auto-shift and planetary double-reduction type final drive

### OTHER STANDARD EQUIPMENT:

- Automatic deaeration system for fuel line
- Automatic swing holding brake
- Boom and foot cylinder pins
- Counterweight, 2950 kg **6,500 lb**
- Horn, electric
- Marks and plates, English
- Paint, Komatsu standard
- Travel alarm
- Vandalism protection provision tabs



## OPTIONAL EQUIPMENT

- Air conditioner, with heater and fresh air
- Arm assembly
  - 1850 mm **6'1"**
  - 1850 mm **6'1"** with piping
  - 2250 mm **7'5"**
  - 2250 mm **7'5"** with piping
  - 2610 mm **8'7"**
  - 2610 mm **8'7"** with piping
  - 2910 mm **9'6"**
  - 2910 mm **9'6"** with piping

- Arm holding valve
- Boom, one piece
  - 5150 mm **16'11"**
  - 5150 mm **16'11"** with actuator piping
- Front window guard, full length
- Fuel refill pump
- Head guard for cab
- Hydraulic control unit
  - 1 additional actuator

- Shoes, triple grouser
  - 500 mm **20"**
  - 700 mm **28"**
  - 800 mm **31.5"**
- Swing-back reducing valve
- Under cover for track frame center

# SUPPORT

*Count on Komatsu and your local distributor for the support you deserve. Our success depends on satisfying your need for productive equipment and supporting that equipment. That's why we have one of the largest and strongest heavy-equipment distributor organizations in North America. Their personnel are not only trained to help you select the equipment that is best-matched for your business but to support that equipment.*



**Finance** Through its finance company, Komatsu can offer you a wide variety of financing alternatives designed to meet your needs. Programs include municipal leases for governmental agencies, conditional sales contracts, and leases with \$1 purchase options for customers interested in owning their equipment. Ask your distributor about Komatsu leasing. We offer finance and operating leases and the unique *Advantage Lease* which offers you predetermined purchase, return, and renewal options.



**Parts** Three computer-linked parts distribution centers provide fast access to anywhere in the U.S. and Canada. Most parts are available overnight. Plus, Komatsu distributors keep a large assortment of commonly used parts in stock for immediate access.



**Remanufactured parts** Save money and still have the same warranty as new parts at a fraction of the cost with like-new remanufactured parts.



**Maintenance** Take advantage of the experience we have gained and ask your distributor about our factory-supported programs including: regular scheduled maintenance, oil and wear analysis, diagnostic inspections, undercarriage inspections, training, special service tools, parts programs, and even a special software program to help your distributor keep track of and manage service-related data.

## KOMATSU®

Komatsu America International Company  
440 N. Fairway Dr., Vernon Hills, IL 60061

