PC1100-6 SERIES
HYDRAULIC EXCAVATOR AND SHOVEL

NET HORSEPOWER
611 hp 456 kW

OPERATING WEIGHT
227,100 – 248,060 lb
103000 – 112500 kg

PC1100-6

HYDRAULIC EXCAVATOR

PHOTO SHOWN INCLUDES OPTIONAL EQUIPMENT.

PC1100-6

WALK-AROUND

Metal guard rings prevent cylinder burning and dirt contamination.

Two-mode setting for boom
By pushing a button it is possible to select either a smooth arm operation or powerful boom thrust.

Shockless boom
control reduces the shaking of the chassis after sudden stops.

Strengthened boom and arm have larger cross sections and improved welding for maximum strength and reliability.

Komatsu excavators own the reputation of being the best in the world. Operate the PC1100-6 and you'll know why. The PC1100 combines increased production, lower operating cost, and greater comfort with the reliability you've come to depend on. 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.

Largest bucket capacity in its class.

Larger digging force
Bucket digging force is increased 12% while the arm crowd force is increased 16%.

Protected hydraulic circuit The cool-running hydraulic system is protected with the most extensive filtration system available, including a high pressure in-line filter.

PC1100-6
HYDRAULIC EXCAVATOR

NET HORSEPOWER
611 hp 456 kW @ 1800 rpm

OPERATING WEIGHT
227,100 – 248,060 lb
103000 – 112500 kg

BUCKET CAPACITY
4.45 – 8.50 yd³
3.40 – 6.50 m³

Advanced monitor features

- Self-diagnosis of 119 different problems.
- Three working modes combine with heavy lift mode for maximum productivity.

Larger counterweight

The counterweight is increased by 3.5 tons and moved back almost 8" to provide greater stability.

Comfortable cab

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

Emissionized engine,

at 611 hp, it is the most powerful in its class.

Faster hydraulics

The PC1100-6's high-output engine provides plenty of hydraulic horsepower for faster movement and increased productivity.

Large catwalk

provides easy access to the engine and hydraulic equipment.

Large undercarriage

features improved reliability and meets U.S. transportation regulations.

Inside travel motor

increases drawbar pull by 13% and increases reliability.

PHOTO SHOWN INCLUDES OPTIONAL EQUIPMENT.

Maintenance Features

Easy Maintenance

Komatsu designed the PC1100-6 to have easy service access. We know by doing this, routine maintenance and servicing are less likely to be skipped, which can mean a reduction in costly downtime later on. Here are some of the many service features found on the PC1100-6.

Large doors provide easy access to the engine compartment.

Remote greasing is used for the fan pulley shaft, tension pulley shaft, aftercooler fan, and other places that are difficult to reach, so lubrication is simplified.

One touch oil drain simplifies oil changes.

Quick coupler for hydraulic pressure inspection provides easy troubleshooting of the hydraulic system.

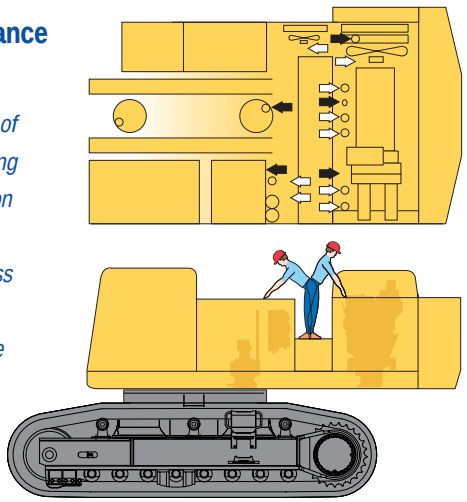
In-line filtration

The PC1100-6 has the most extensive filtration system available, providing an in-line filter as standard equipment. An in-line filter in the outlet port of the main hydraulic pump prevents any failure caused by the entry of dirt.

Self-diagnostic monitor allows display of vital machine data as well as provides a history of up to 20 previous failures.

One floor maintenance

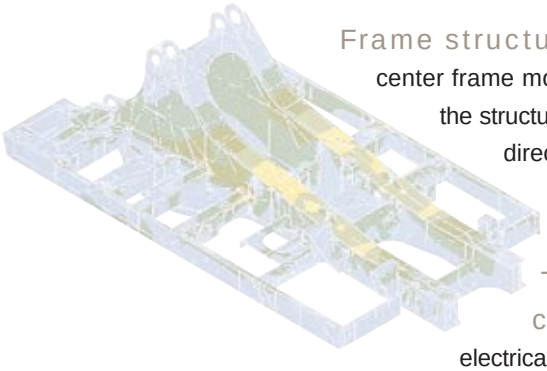
A large platform is positioned in the center of the machine cab, allowing easy access to inspection and maintenance points from one location. Access doors open outward, making inspection of the engine and hydraulic systems easy.



⇨ Check before starting items ➡ Periodic maintenance items

Increased Reliability

The PC1100-6 incorporates many improvements in strength and reliability.



Frame structure The revolving frame and center frame mount are improved, changing the structure so that force is transmitted directly to the thick plate of the frame without passing through any welding.

The double lock connectors prevent electrical connections from loosening during operation. The arm cylinder bracket is attached directly to the rigid top plate. This structure transmits force directly to the side plates for greater durability.

The undercarriage is strengthened to provide excellent reliability and durability even when working on rocky ground or blasted rock.

- The track links are increased one class in size, making them the largest in this class.
- The travel motors are inside, preventing them from being damaged by rocks.
- The hydraulic idler cushion is replaced with a spring assembly, preventing any problems of oil leakage, and facilitating removal and installation for transportation.

Metal guard rings protect all the hydraulic cylinders and improve reliability.

The boom and arm have increased cross-sectional dimensions, as well as continuous both-side groove welding, improving digging, and side-contact strength.

Wide catwalks around the PC1100-6 safely provide access to maintenance areas.

PHOTO SHOWN INCLUDES OPTIONAL EQUIPMENT.

Productivity Features

Increased Productivity

Engine

The PC1100-6 gets its exceptional power and work capacity from a Komatsu SAA6D170E-2 engine. Output is increased 13% to 611 hp, providing more hydraulic power while improving fuel efficiency. The engine meets emission regulations, including CARB, and noise levels are reduced for greater operator comfort.

Improved machine stability

The engine is moved 3.9" 100 mm to the rear, and the counterweight is increased from 14 tons to 17.5 tons, providing the stability needed for highest productivity.

Shockless boom control

The PC1100 features a shockless valve (double check slow return valve) that automatically reduces the amount of vibration present when operating the boom. Operator fatigue is reduced (which can improve safety and productivity), and spillage caused by vibration is prevented.

Additional features

- **Large digging force**
- **Large drawbar pull**
- **Fast hydraulics**
- **Automatic hi-lo travel**

Three Working Modes

Working mode selection

The ***Avance*** excavator is equipped with three working modes. Each mode is designed to match engine speed, pump speed, and system pressure with the current application; giving you the flexibility to match equipment performance to the job at hand.

Working Mode	Application	Advantage
DH	Maximum production	● Maximum production/power ● Fast cycle times ● Heavy lift mode is available
H	Normal digging and loading	● Good cycle times ● Good fuel economy ● Heavy lift mode is available
G	Light-duty	● Maximum fuel efficiency ● Heavy lift mode is available

Heavy lift mode

Gives you approximately 10% more lifting force on the boom when you need it for handling rock or lifting large boulders.

Two settings for the boom

Smooth mode provides easy operation and longer component life for gathering blasted rock or scraping down operations. When maximum digging force is needed, switch to power mode for more effective excavating.

Swing priority setting

The swing priority setting allows the operator to use the same easy motion for 180° loading as 90° loading operations. By altering the oil flow this setting allows you to select either boom or swing as the priority for increased production.

Hydraulics

Unique three-pump system assures smooth compound movement of the work equipment. OLSS controls all three pumps for efficient engine power use. This system also reduces hydraulic loss during operation.

Self-Diagnostic Monitor

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…***

Operator's Cab

Multi-position controls

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

A double-slide mechanism allows the seat and controllers to move together or independently, allowing the operator to position the controllers for maximum productivity and comfort.

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.

Cab mounts

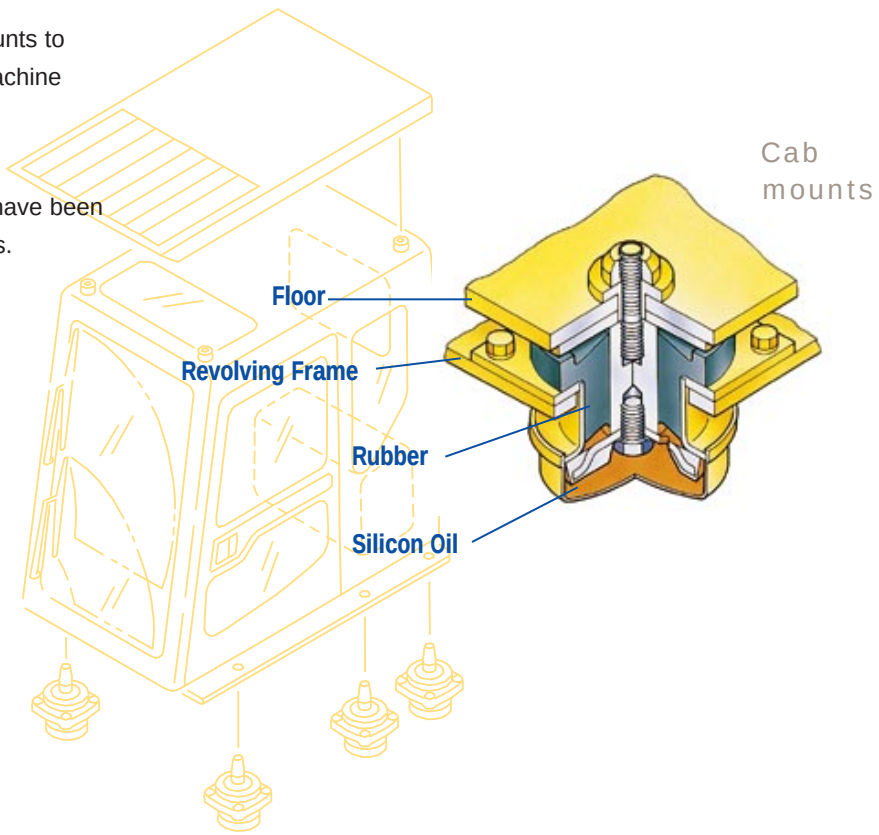
The cab rests on viscous damping mounts to reduce vibration and noise from the machine body. Operator fatigue is reduced.

Noise

The noise levels at the operator's ear have been decreased by improving the cab mounts.

Safety Features

- Pump/engine room partition prevents oil from spraying on the engine if a hydraulic hose should burst.
- Thermal guards are placed around high-temperature parts of the engine and accessory drive.
- Timer-off step light automatically provides light for one minute to allow the operator to get off the machine safely.
- Interconnected horn and flashing light give visual and audible notice of the excavator's operation when activated.



PC1100-6
HYDRAULIC EXCAVATOR

1. Adjustable monitor
2. Starter switch
3. Fuel control dial
4. Inclined dashboard
5. Adjustable armrests
6. Optional air conditioning
7. Fully adjustable seat
8. Hot/cold storage compartments
9. Low effort joysticks
10. Operator weight adjustment

PC1100-6
SPECIFICATIONS

ENGINE

Model . . . . . Komatsu SAA6D170E-2
Type . . . . 4-cycle, water-cooled, direct-injection
Aspiration . . . . . Turbocharged and air-to-air aftercooled
No. of cylinders 6
Bore. . . . . **6.69"** 170 mm
Stroke . . . . . **6.69"** 170 mm
Piston displacement . . . . . **1,413 in³** 23.15 ltr
Flywheel horsepower:
611 hp 456 kW at **1800 rpm** (SAE J1349)
Governor . . . . . All-speed, electronic

HYDRAULIC SYSTEM

Type. . . . . Open-center load-sensing system
No. of selectable working modes 3
Main pump:
Type . . . . . Variable-capacity piston pumps
Pumps for . . . . . Boom, arm, bucket, swing, and travel circuits
Maximum flow . . . . . **2 x 130.5 gpm** 2 x 494 ltr
1 x 158.5 gpm 1 x 600 ltr
Sub-pump for control circuit . . . . . Gear pump
Hydraulic motors:
Travel. . . . . 2 x Axial piston motor with parking brake
Swing. . . . . 2 x Axial piston motor with swing holding brake
Relief valve setting:
Implement circuits up to . . . . . **4,550 psi** 320 kg/cm²
Travel circuit . . . . . **4,980 psi** 350 kg/cm²
Swing circuit . . . . . **3,980 psi** 275 kg/cm²
Pilot circuit . . . . . **430 psi** 30 kg/cm²
Hydraulic cylinders:
Number of cylinders – bore x stroke
Boom . . 2–**8.9" x 94.1"** 225 mm x 2390 mm
Arm . . . 1–**9.8" x 95.9"** 250 mm x 2435 mm
Bucket
Std. . . . 2–**6.3" x 71.8"** 160 mm x 1825 mm
LC . . . . 2–**6.3" x 71.8"** 160 mm x 1825 mm
SP . . . . 2–**6.3" x 76.8"** 160 mm x 1950 mm

DRIVES AND BRAKES

Steering control . . . . . 2 levers with pedals
Drive method . . . . . Fully hydrostatic
Travel motor . . . . . Axial piston motor, in-shoe design
Reduction system . . Planetary double reduction
Maximum drawbar pull . . . **154,320 lb** 70000 kg
Gradability 70%
Maximum travel speed
Low . . . . . **1.3 mph** 2.1 km/h
High. . . . . **2.0 mph** 3.2 km/h
Service brake . . . . . Hydraulic lock
Parking brake . . . . . Oil disc brake

SWING SYSTEM

Driven by. . . . . Hydraulic motor
Swing reduction. . . . . Planetary gear
Swing circle lubrication . . . . . Grease-bathed
Swing lock . . . . . Oil disc brake
Swing speed . . . . . 5.8 rpm

UNDERCARRIAGE

Center frame . . . . . H-leg frame
Track frame . . . . . Box-section
Seal of track . . . . . Sealed track
Track adjuster . . . . . Hydraulic
No. of shoes . . . . . 48 each side (Std, SP)
55 each side (LC)
No. of carrier rollers . . . . . 3 each side
No. of track rollers. . . . . 8 each side (Std, SP)
10 each side (LC)

COOLANT AND LUBRICANT CAPACITY (refilling)

Fuel tank	**359.3 U.S. gal**	1360 ltr
Radiator.	**37.3 U.S. gal**	140 ltr
Engine.	**13.5 U.S. gal**	51 ltr
Final drive, each side. . . .	**5.7 U.S. gal**	22 ltr
Swing drive	**5.7 U.S. gal**	22 ltr
Hydraulic tank	**177.0 U.S. gal**	670 ltr

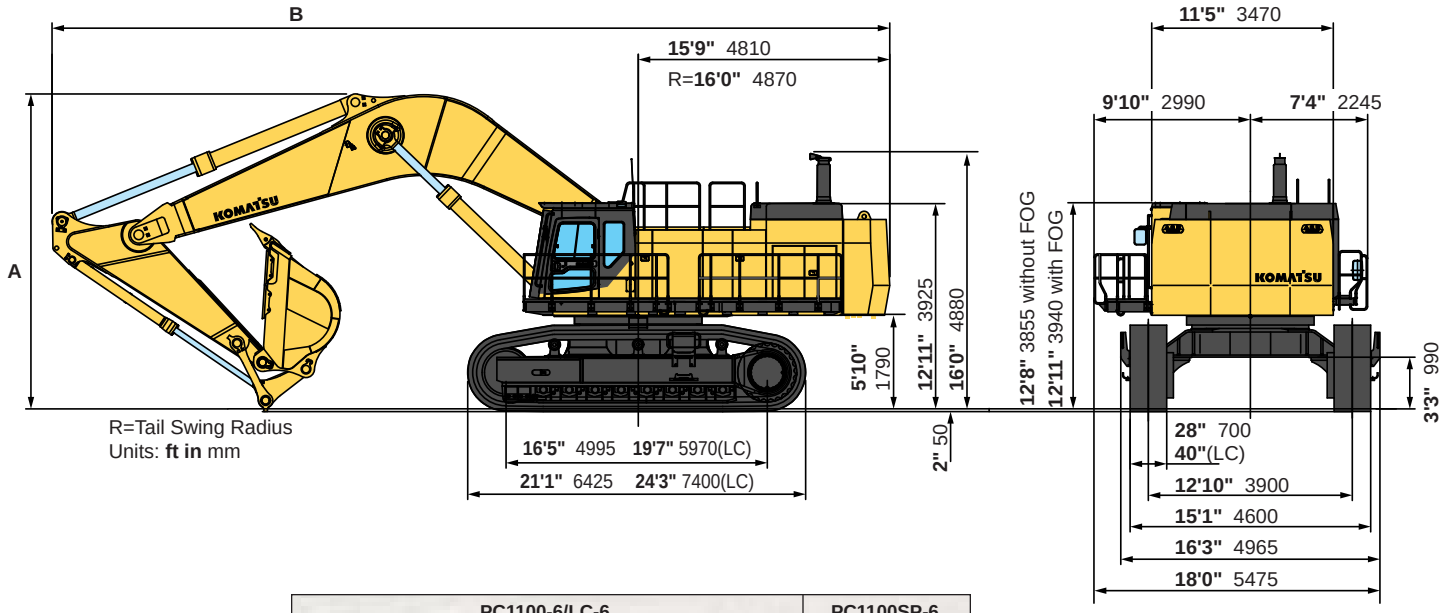
OPERATING WEIGHT (approximate)

PC1100-6/LC-6: Operating weight, including **29'10"** 9100 mm boom, **11'2"** 3400 mm arm, SAE heaped **6.5 yd³** 5.0 m³ backhoe bucket, operator, lubricant, coolant, full fuel tank, and the standard equipment.

PC1100SP-6: Operating weight, including a **25'7"** 7800 mm boom, **11'2"** 3400 mm arm, SAE heaped **8.5 yd³** 6.5 m³ backhoe bucket, operator, lubricant, coolant, full fuel tank, and the standard equipment.

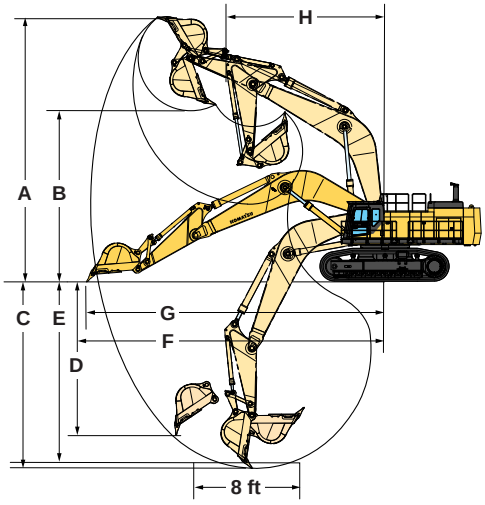
Double-Grouser Shoes	PC1100-6	
	Operating Weight	Ground Pressure
PC1100-6 **28"** 700 mm	**227,100 lb** 103000 kg	**19.2 psi** 1.35 kg/cm²
PC1100-6 **39.4"** 1000 mm	**232,170 lb** 105300 kg	**13.7 psi** 0.96 kg/cm²
PC1100LC-6 **39.4"** 1000 mm	**244,710 lb** 111000 kg	**12.2 psi** 0.86 kg/cm²
PC1100LC-6 **44.4"** 1200 mm	**248,060 lb** 112500 kg	**10.4 psi** 0.73 kg/cm²
PC1100SP-6 **28"** 700 mm	**229,280 lb** 104000 kg	**19.34 psi** 1.36 kg/cm²

DIMENSIONS

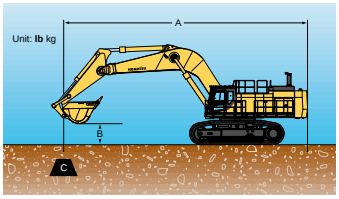


	PC1100-6/LC-6			PC1100SP-6
	11'2" 3.4 m arm	**14'9"** 4.5 m arm	**18'6"** 5.6 m arm	**11'2"** 3.4 m arm
A Overall Height	**19'10"** 6040 mm	**21'2"** 6460 mm	**22'11"** 6990 mm	**20'7"** 6265 mm
B Overall Length	**52'7"** 16020 mm	**52'8"** 16050 mm	**52'0"** 15840 mm	**48'6"** 14790 mm

WORKING RANGE



		PC1100-6/LC-6			PC1100SP-6
		11'2" 3.4 m arm	**14'9"** 4.5 m arm	**18'6"** 5.6 m arm	**11'2"** 3.4 m arm
A	Max. digging height	**44'0"** 13400 mm	**44'3"** 13490 mm	**45'8"** 13910 mm	**42'8"** 13000 mm
B	Max. dumping height	**28'6"** 8680 mm	**29'6"** 9000 mm	**31'0"** 9440 mm	**27'9"** 8450 mm
C	Max. digging depth	**30'8"** 9350 mm	**34'3"** 10440 mm	**38'0"** 11590 mm	**25'11"** 7900 mm
D	Max. vertical wall digging depth	**25'0"** 7610 mm	**27'10"** 8490 mm	**31'1"** 9480 mm	**16'6"** 5025 mm
E	Max. digging depth of cut for 8' level	**30'3"** 9220 mm	**33'11"** 10340 mm	**37'9"** 11500 mm	**25'5"** 7745 mm
F	Max. digging reach	**50'4"** 15350 mm	**53'7"** 16340 mm	**57'3"** 17450 mm	**46'2"** 14070 mm
G	Max. digging reach at ground	**49'3"** 15000 mm	**52'6"** 16000 mm	**56'2"** 17130 mm	**44'10"** 13670 mm
H	Min. swing radius	**26'2"** 7965 mm	**26'3"** 7990 mm	**26'9"** 8150 mm	**21'1"** 6415 mm
Bucket digging force (SAE)		**94,800 lb** 43000 kg	**94,800 lb** 43000 kg	**77,160 lb** 35000 kg	**105,820 lb** 48000 kg
Arm crowd force (SAE)		**88,180 lb** 40000 kg	**73,410 lb** 33300 kg	**63,270 lb** 28700kg	**88,180 lb** 40000 kg
Bucket digging force (ISO)		**107,590 lb** 48800 kg	**107,590 lb** 48800 kg	**87,520 lb** 39700 kg	**120,150 lb** 54500 kg
Arm crowd force (ISO)		**91,930 lb** 41700 kg	**75,840 lb** 34400 kg	**64,375 lb** 29200 kg	**91,930 lb** 41700 kg



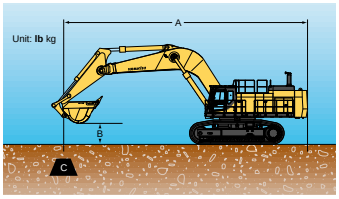
PC1100LC-6

Equipment:
- Arm: **11'2"** 3.4 m
- Boom: **29'10"** 9.1 m
- Bucket: **6.5 yd³** 5.0 m³ with heavy lift on

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

A / B	**15'** 4.6 m		**20'** 6.1 m		**25'** 7.6 m		**30'** 9.1 m		**35'** 10.7 m		**40'** 12.2 m		⊗ MAX.	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
30' 9.1 m									***39,700** *18000	***39,700** *18000			***37,900** *17200	***37,900** *17200
25' 7.6 m							***45,600** *20700	***45,600** *20700	***41,400** *18750	**40,100** 18200			***38,300** *17350	**32,800** 14900
20' 6.1 m					***61,600** *27900	***61,600** *27900	***50,600** *22950	***50,600** *22950	***44,200** *20050	**38,900** 17650			***39,600** *17950	**29,500** 13400
15' 4.6 m					***70,200** *31850	**65,500** 29700	***55,900** *25350	**49,000** 22200	***47,500** *21500	**37,400** 16950	***42,200** *19150	**28,700** 13000	***41,700** *18900	**27,500** 12500
10' 3.0 m					***77,100** *34950	**61,600** 27950	***60,600** *27500	**46,600** 21100	***50,500** *22950	**35,900** 16300	***44,000** *19950	**27,900** 12650	***43,000** *19500	**26,600** 12050
5' 1.5 m					***81,100** *36800	**59,300** 26900	***61,700** *28000	**42,300** 19150	***53,000** *24000	**34,800** 15750	***45,300** *20550	**27,300** 12350	***44,500** *20200	**26,500** 12050
0' 0.0 m					***82,500** *37400	**58,200** 26400	***63,000** *28600	**40,700** 18500	***54,200** *24600	**34,000** 15400			***46,300** *21000	**27,600** 12500
–5' –1.5 m			***102,400** *46450	**84,300** 38250	***81,400** *36950	**58,000** 26350	***63,200** *28650	**40,700** 18450	***53,800** *24400	**33,700** 15300			***48,200** *21850	**29,800** 13550
–10' –3.0 m	***96,000** *43550	***96,000** *43550	***96,800** *43900	**85,700** 38850	***77,800** *35300	**58,600** 26600	***63,000** *28550	**43,600** 19800	***50,300** *22800	**34,100** 15500			***50,100** *22750	**34,100** 15450
–15' –4.6 m	***107,700** *48850	***107,700** *48850	***87,500** *39700	***87,500** *39700	***70,600** *32050	**60,000** 27250	***56,000** *25400	**44,800** 20300					***51,700** *23450	**41,800** 19000
–20' –6.1 m			***71,800** *32550	***71,800** *32550	***56,100** *25450	***56,100** *25450							***51,900** *23500	***51,900** *23500

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



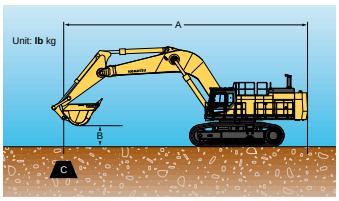
PC1100LC-6 Semi-Long Arm

Equipment:
- Arm: **14'9"** 4.5 m
- Boom: **29'10"** 9.1 m
- Bucket: **5.25 yd³** 4.0 m³ with heavy lift on

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

A / B	**15'** 4.6 m		**20'** 6.1 m		**25'** 7.6 m		**30'** 9.1 m		**35'** 10.7 m		**40'** 12.2 m		⊗ MAX.	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
30' 9.1 m													***23,700** *10750	***23,700** *10750
25' 7.6 m									***36,800** *16700	***36,800** *16700	***34,900** *15850	**31,300** 14200	***23,800** *10800	***23,800** *10800
20' 6.1 m							***45,400** *20550	***45,400** *20550	***40,000** *18150	***40,000** *18150	***36,700** *16650	**30,600** 13850	***24,500** *11100	***24,500** *11100
15' 4.6 m					***63,200** *28650	***63,200** *28650	***51,100** *23150	**50,400** 22850	***43,700** *19800	**38,300** 17400	***38,900** *17650	**29,500** 13400	***25,800** *11700	**23,600** 10700
10' 3.0 m					***71,300** *32350	**63,500** 28800	***56,500** *25600	**47,500** 21550	***47,300** *21450	**36,600** 16600	***41,300** *18750	**28,500** 12900	***27,600** *12550	**22,800** 10350
5' 1.5 m			***59,400** *26900	***59,400** *26900	***77,300** *35050	**60,200** 27300	***60,900** *27600	**45,200** 20500	***50,400** *22850	**35,000** 15900	***43,300** *19650	**27,500** 12450	***30,300** *13750	**22,700** 10300
0' 0.0 m			***72,000** *32650	***72,000** *32650	***80,700** *36600	**58,200** 26400	***61,700** *28000	**41,400** 18750	***52,600** *23900	**33,900** 15350	***44,700** *20250	**26,700** 12150	***34,100** *15450	**23,300** 10600
–5' –1.5 m	***52,200** *23650	***52,200** *23650	***93,900** *42600	**83,000** 37600	***81,600** *37000	**57,300** 26000	***62,800** *28500	**40,300** 18250	***63,600** *24300	**33,200** 15050	***44,800** *20300	**26,400** 11950	***39,500** *17900	**24,900** 11300
–10' –3.0 m	***78,200** *35500	***78,200** *35500	***102,200** *46350	**83,600** 37900	***80,100** *36300	**57,300** 26000	***64,300** *29200	**42,600** 19300	***52,600** *23850	**33,100** 15000			***44,400** *20150	**27,700** 12550
–15' –4.6 m	***110,100** *49950	***110,100** *49950	***95,500** *43300	**85,000** 38550	***75,600** *34300	**58,100** 26350	***60,800** *27550	**43,100** 19550	***48,400** *21950	**33,700** 15300			***46,400** *21050	**32,600** 14800
–20' –6.1 m	***107,800** *48900	***107,800** *48900	***84,200** *38200	***84,200** *38200	***63,600** *28850	**56,200** 25500	***62,100** *23650	**44,600** 20250					***48,000** *21750	**41,800** 18950
–25' –7.6 m			***64,800** *29350	***64,800** *29350	***48,300** *21900	***48,300** *21900							***47,800** *21700	***47,800** *21700

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



PC1100LC-6 Long Arm

Equipment:
- Arm: **18'6"** 5.6 m
- Boom: **29'10"** 9.1 m
- Bucket: **4.5 yd³** 3.4 m³ with heavy lift on

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

A / B	**20'** 6.1 m		**25'** 7.6 m		**30'** 9.1 m		**35'** 10.7 m		**40'** 12.2 m		**45'** 13.7 m		⊗ MAX.	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
30' 9.1 m													***15,100** *6850	***15,100** *6850
25' 7.6 m									***29,800** *13500	***29,800** *13500	***20,200** *9200	***20,200** *9200	***15,200** *6850	***15,200** *6850
20' 6.1 m									***32,000** *14500	**31,100** 14150	***27,400** *12450	**23,600** 10700	***15,600** *7050	***15,600** *7050
15' 4.6 m					***44,800** *20350	***44,800** *20350	***38,700** *17550	***38,700** *17550	***34,600** *15700	**29,900** 13550	***32,000** *14500	**22,900** 10400	***16,300** *7400	***16,300** *7400
10' 3.0 m	***86,900** *39450	***86,900** *39450	***63,800** *28950	***63,800** *28950	***50,900** *23050	**48,500** 21950	***42,800** *19400	**36,900** 16750	***37,400** *16950	**28,500** 12950	***33,800** *15300	**22,100** 10000	***17,500** *7900	***17,500** *7900
5' 1.5 m	***76,900** *34900	***76,900** *34900	***71,400** *32400	**61,300** 27800	***56,200** *25500	**45,700** 20700	***46,500** *21100	**35,000** 15900	***40,000** *18150	**27,300** 12350	***35,400** *16050	**21,300** 9650	***19,100** *8650	**18,600** 8450
0' 0.0 m	***75,200** *34100	***75,200** *34100	***76,700** *34800	**58,400** 26500	***60,300** *27350	**43,500** 19750	***49,600** *22500	**33,500** 15200	***42,100** *19100	**26,200** 11900	***36,600** *16600	**20,700** 9350	***21,400** *9700	**19,000** 8600
–5' –1.5 m	***86,400** *39150	**82,000** 37200	***79,500** *36050	**56,700** 25700	***62,900** *28500	**42,100** 19100	***51,600** *23400	**32,400** 14700	***43,400** *19700	**25,500** 11550	***28,100** *12750	**20,300** 9200	***24,600** *11150	**20,100** 9100
–10' –3.0 m	***104,300** *47300	**81,600** 37050	***80,000** *36300	**55,900** 25350	***63,700** *28900	**41,400** 18750	***52,100** *23650	**31,900** 14450	***43,300** *19650	**25,200** 11450			***29,200** *13200	**22,000** 9950
–15' –4.6 m	***100,300** *45500	**82,300** 37300	***77,900** *35350	**56,100** 25450	***62,300** *28250	**41,300** 18750	***50,700** *23000	**31,900** 14450	***40,500** *18400	**25,500** 11550			***36,200** *16400	**25,200** 11450
–20' –6.1 m	***92,700** *42050	**83,900** 38050	***72,600** *32900	**57,000** 25850	***57,900** *26250	**42,100** 19100	***45,600** *20700	**32,700** 14850					***42,000** *19050	**30,800** 13950
–25' –7.6 m	***79,600** *36100	***79,600** *36100	***62,100** *28200	**59,000** 26750	***47,400** *21500	**43,900** 19950							***43,500** *19700	**41,200** 18700

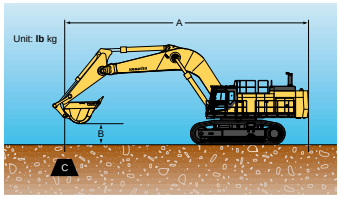
*Load is limited by hydraulic capacity rather than tipping. Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

BACKHOE BUCKET AND ARM COMBINATION

BUCKET CAPACITY (HEAPED)				WIDTH				WEIGHT (with side cutters)		ARM LENGTH		
SAE, PCSA		CECE		Without side cutters or shrouds		With side cutters or shrouds				**ft in** m		
yd³	m³	**yd³**	m³	**in**	mm	**in**	mm	**lb**	kg	**11'2"** 3.4	**14'9"** 4.5	**18'6"** 5.6
PC1100-6 (use with 29'10" 9.1 m **boom)**												
4.4	3.4	**3.9**	3.0	**61"**	1550	**66.7"**	1695	**7,940**	3600	—	○	□
5.2	4.0	**4.6**	3.5	**67.3"**	1710	**74"**	1880	**8,380**	3800	○	□	▲
6.5	5.0	**5.6**	4.3	**80.7"**	2050	**87.4"**	2220	**9,700**	4400	□	▲	—
PC1100SP-6 (use with 25'7" 7.8 m **boom)**										**11'2"** 3.4		
8.5	6.5	**7.5**	5.7	**69.8"**	2280	**96.5"**	2450	**11,690**	5300	□		

These charts are based on over-side stability with fully loaded bucket at maximum reach.
○ – General purpose use, weight up to **3,500 lb/yd³** 2.1 ton/m³ □ – General purpose use, weight up to **3,000 lb/yd³** 1.8 ton/m³
▲ – General purpose use, weight up to **2,500 lb/yd³** 1.5 ton/m³ X – Not useable

PC1100-6 LIFTING CAPACITY



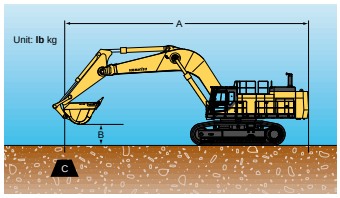
PC1100-6

Equipment:
- Arm: **11'2"** 3.4 m
- Boom: **29'10"** 9.1 m
- Bucket: **6.5 yd³** 5.0 m³ with heavy lift on

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

A / B	**15'** 4.6 m		**20'** 6.1 m		**25'** 7.6 m		**30'** 9.1 m		**35'** 10.7 m		**40'** 12.2 m		⊗ MAX.	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
30' 9.1 m									***39,700** *18000	**37,900** 17200			***37,900** *17200	**35,500** 16100
25' 7.6 m							***45,600** *20700	***45,600** *20700	***41,400** *18750	**37,400** 16950			***38,300** *17350	**30,400** 13750
20' 6.1 m					***61,600** *27900	***61,600** *27900	***50,600** *22950	**48,300** 21900	***44,200** *20050	**36,200** 16400			**35,600** 16150	**27,200** 12300
15' 4.6 m					***70,200** *31850	**61,200** 27750	***55,900** *25350	**45,600** 20700	**45,000** 20400	**34,700** 15750	**34,700** 15750	**26,400** 11950	**33,400** 15150	**25,200** 11450
10' 3.0 m					**75,400** 34200	**57,400** 26050	**56,400** 25550	**43,300** 19600	**43,400** 19700	**33,200** 15050	**33,900** 15400	**25,600** 11600	**32,400** 14650	**24,300** 11000
5' 1.5 m					**72,900** 33050	**55,000** 24950	**51,800** 23500	**38,900** 17650	**42,200** 19150	**32,000** 14500	**33,300** 15100	**24,900** 11300	**32,400** 14700	**24,300** 11000
0' 0.0 m					**71,700** 32550	**54,000** 24500	**50,200** 22750	**37,400** 16950	**41,400** 18750	**31,200** 14150			**33,700** 15250	**25,200** 11450
–5' –1.5 m			***102,400** *46450	**78,500** 35600	**71,500** 32450	**53,800** 24400	**50,200** 22750	**37,400** 16950	**41,100** 18650	**31,000** 14050			**36,400** 16500	**27,300** 12400
–10' –3.0 m	***96,000** *43550	***96,000** *43550	***96,800** *43900	**79,800** 36200	**72,200** 32750	**54,400** 24650	**53,200** 24150	**40,300** 18300	**41,500** 18850	**31,400** 14250			**41,500** 18800	**31,300** 14200
–15' –4.6 m	***107,700** *48850	***107,700** *48850	***87,500** *39700	**81,900** 37150	***70,600** *32050	**55,800** 25300	**54,500** 24700	**41,500** 18800					**50,800** 23050	**38,700** 17550
–20' –6.1 m			***71,800** *32550	***71,800** *32550	***56,100** *25450	***56,100** *25450							***61,900** *23500	***61,900** *23500

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



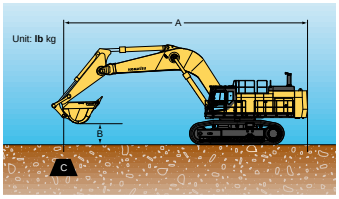
PC1100-6 Semi-Long Arm

Equipment:
- Arm: **14'9"** 4.5 m
- Boom: **29'10"** 9.1 m
- Bucket: **5.25 yd³** 4.0 m³ with heavy lift on

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

A / B	**15'** 4.6 m		**20'** 6.1 m		**25'** 7.6 m		**30'** 9.1 m		**35'** 10.7 m		**40'** 12.2 m		⊗ MAX.	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
30' 9.1 m													***23,700** *10750	***23,700** *10750
25' 7.6 m									***36,800** *16700	***36,800** *16700	***34,900** *15850	**29,000** 13150	***23,800** *10800	***23,800** *10800
20' 6.1 m							***45,400** *20550	***45,400** *20550	***40,000** *18150	**37,400** 16950	***36,700** *16650	**28,300** 12800	***24,500** *11100	**23,200** 10500
15' 4.6 m					***63,200** *28650	***63,200** *28650	***51,100** *23150	**47,000** 21350	***43,700** *19800	**35,600** 16150	**35,600** 16150	**27,200** 12350	***25,800** *11700	**21,600** 9800
10' 3.0 m					***71,300** *32350	**59,300** 26900	***56,500** *25600	**44,200** 20050	**44,100** 20000	**33,800** 15350	**34,500** 15650	**26,100** 11850	***27,600** *12550	**20,800** 9400
5' 1.5 m			***59,400** *26900	***59,400** *26900	**73,900** 33500	**56,000** 25400	**55,000** 24950	**41,900** 19000	**42,500** 19250	**32,300** 14650	**33,500** 15200	**25,200** 11400	**27,900** 12650	**20,600** 9350
0' 0.0 m			***72,000** *32650	***72,000** *32650	**71,800** 32550	**54,000** 24500	**50,900** 23100	**38,100** 17250	**41,300** 18700	**31,100** 14100	**32,700** 14850	**24,400** 11050	**28,700** 13000	**21,200** 9600
–5' –1.5 m	***52,200** *23650	***52,200** *23650	***93,900** *42600	**77,100** 34950	**70,800** 32100	**53,100** 24100	**49,700** 22550	**36,900** 16750	**40,600** 18400	**30,500** 13800	**32,400** 14700	**24,100** 10900	**30,600** 13850	**22,600** 10250
–10' –3.0 m	***78,200** *35500	***78,200** *35500	***102,200** *46350	**77,700** 35250	**70,800** 32100	**53,100** 24050	**52,200** 23650	**39,200** 17800	**40,500** 18350	**30,300** 13750			**33,900** 15400	**25,300** 11500
–15' –4.6 m	***110,100** *49950	***110,100** *49950	***95,500** *43300	**79,100** 35900	**71,600** 32500	**53,800** 24400	**52,700** 23900	**39,800** 18050	**41,100** 18650	**31,000** 14050			**39,800** 18050	**30,000** 13600
–20' –6.1 m	***107,800** *48900	***107,800** *48900	***84,200** *38200	**81,500** 37000	***63,600** *28850	**52,000** 23550	***62,100** *23650	**41,300** 18750					***48,000** *21750	**38,600** 17500
–25' –7.6 m			***64,800** *29350	***64,800** *29350	***48,300** *21900	***48,300** *21900							***47,800** *21700	***47,800** *21700

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



PC1100-6 Long Arm

Equipment:
- Arm: **18'6"** 5.6 m
- Boom: **29'10"** 9.1 m
- Bucket: **4.5 yd³** 3.4 m³ with heavy lift on

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

A / B	**20'** 6.1 m		**25'** 7.6 m		**30'** 9.1 m		**35'** 10.7 m		**40'** 12.2 m		**45'** 13.7 m		⊗ MAX.	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
30' 9.1 m													***15,100** *6850	***15,100** *6850
25' 7.6 m									***29,800** *13500	***29,800** *13500	***20,200** *9200	***20,200** *9200	***15,200** *6850	***15,200** *6850
20' 6.1 m									***32,000** *14500	**28,800** 13050	***27,400** *12450	**21,600** 9800	***15,600** *7050	***15,600** *7050
15' 4.6 m					***44,800** *20350	***44,800** *20350	***38,700** *17550	**36,200** 16450	***34,600** *15700	**27,500** 12500	**28,000** 12700	**20,900** 9450	***16,300** *7400	***16,300** *7400
10' 3.0 m	***86,900** *39450	***86,900** *39450	***63,800** *28950	**61,300** 27800	***50,900** *23050	**45,100** 20450	***42,800** *19400	**34,200** 15500	**34,600** 15700	**26,200** 11900	**27,200** 12300	**20,100** 9100	***17,500** *7900	**16,900** 7650
5' 1.5 m	***76,900** *34900	***76,900** *34900	***71,400** *32400	**57,100** 25900	**55,500** 25150	**42,300** 19200	**42,500** 19300	**32,300** 14650	**33,300** 15100	**24,900** 11300	**26,300** 11950	**19,300** 8750	***19,100** *8650	**16,700** 7600
0' 0.0 m	***75,200** *34100	***75,200** *34100	**72,000** 32650	**54,100** 24550	**53,200** 24150	**40,200** 18200	**41,000** 18550	**30,800** 13950	**32,200** 14600	**23,900** 10850	**25,700** 11650	**18,700** 8450	***21,400** *9700	**17,100** 7750
–5' –1.5 m	***86,400** *39150	**76,100** 34500	**70,200** 31850	**52,400** 23750	**51,700** 23450	**38,800** 17550	**39,800** 18050	**29,700** 13450	**31,500** 14300	**23,200** 10500	**25,300** 11500	**18,300** 8300	***24,600** *11150	**18,100** 8200
–10' –3.0 m	**103,300** 46850	**75,800** 34350	**69,400** 31500	**51,700** 23450	**50,900** 23100	**38,000** 17250	**39,300** 17800	**29,100** 13200	**31,200** 14150	**22,900** 10350			**27,300** 12400	**19,900** 9000
–15' –4.6 m	***100,300** *45500	**76,400** 34650	**69,500** 31550	**51,800** 23500	**50,900** 23100	**38,000** 17250	**39,300** 17800	**29,200** 13250	**31,500** 14300	**23,200** 10500			**31,200** 14150	**22,900** 10400
–20' –6.1 m	***92,700** *42050	**78,000** 35400	**70,600** 32000	**52,800** 23950	**51,700** 23450	**38,700** 17550	**40,200** 18200	**30,000** 13600					**37,700** 17100	**28,200** 12800
–25' –7.6 m	***79,600** *36100	***79,600** *36100	***62,100** *28200	**54,800** 24850	***47,400** 21500	**40,600** 18400							***43,500** *19700	**38,100** 17250

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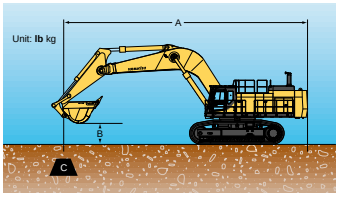


PC1100SP-6

Equipment:
- Arm: **11'2"** 3.4 m
- Boom: **25'7"** 7.8 m
- Bucket: **8.5 yd³** 6.5 m³ with heavy lift on

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

A / B	**15'** 4.6 m		**20'** 6.1 m		**25'** 7.6 m		**30'** 9.1 m		**35'** 10.7 m		**40'** 12.2 m		⊗ MAX.	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
30' 9.1 m							***44,600** *20250	***44,600** *20250					***31,900** *14450	***31,900** *14450
25' 7.6 m							***51,800** *23500	**50,000** 22700					***31,800** *14400	***31,800** *14400
20' 6.1 m			***81,800** *37100	***81,800** *37100	***65,100** *29550	***65,100** *29500	***55,500** *25200	**48,600** 22000	***42,500** *19250	**34,900** 15850			***32,800** *14900	***32,800** *14900
15' 4.6 m			***96,000** *43550	**94,000** 42650	***72,900** *33050	**64,500** 29250	***59,900** *27150	**46,500** 21100	**44,500** 20150	**34,100** 15450			***34,900** *15850	**30,900** 14000
10' 3.0 m			***106,300** *48250	**87,200** 39550	**79,200** 35950	**60,800** 27600	**57,700** 26200	**44,400** 20150	**43,400** 19650	**33,100** 15000			***38,200** *17300	**29,700** 13450
5' 1.5 m			***110,400** *50100	**83,300** 37800	**71,000** 32200	**53,200** 24100	**55,900** 25350	**42,700** 19350	**42,400** 19200	**32,100** 14550			**39,500** 17900	**29,800** 13500
0' 0.0 m			***109,200** *49550	**81,800** 37100	**68,500** 31050	**50,800** 23050	**54,700** 24800	**41,600** 18850	**41,800** 18950	**31,500** 14300			**41,500** 18850	**31,300** 14200
–5' –1.5 m	***106,100** *48150	***106,100** *48150	***103,700** *47050	**81,700** 37100	**68,600** 31100	**50,900** 23100	**54,300** 24650	**41,200** 18700					**46,100** 20900	**34,900** 15800
–10' –3.0 m	***117,500** *53300	***117,500** *53300	***93,100** *42200	**82,900** 37600	***70,300** *31900	**53,500** 24250	***54,700** *24800	**41,900** 19000					***54,500** *24750	**41,800** 18950
–15' –4.6 m	***93,200** *42250	***93,200** *42250	***74,400** *33750	***74,400** *33750	***55,100** *25000	***55,100** *25000							***52,300** *23700	***52,300** *23700
–20' –6.1 m														

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

PC1100-6 Loading Shovel

SPECIFICATIONS

ENGINE

Model . . . . . Komatsu SAA6D170E-2
Type . . . . 4-cycle, water-cooled, direct-injection
Aspiration . . . . . Turbocharged and air-to-air aftercooled
No. of cylinders 6
Bore. . . . . **6.69"** 170 mm
Stroke . . . . . **6.69"** 170 mm
Piston displacement . . . . . **1,413 in³** 23.15 ltr
Flywheel horsepower:
611 hp 456 kW at **1800 rpm** (SAE J1349)
Governor . . . . . All-speed, electronic

HYDRAULIC SYSTEM

Type. . . . . Open-center load-sensing system
No. of selectable working modes 3
Main pump:
Type . . . . . Variable-capacity piston pumps
Pumps for . . . . . Boom, arm, bucket, swing, and travel circuits
Maximum flow . . . . . **2 x 130.5 gpm** 2 x 494 ltr
1 x 158.5 gpm 1 x 600 ltr
Sub-pump for control circuit . . . . . Gear pump
Hydraulic motors:
Travel. . . . . 2 x Axial piston motor with parking brake
Swing. . . . . 2 x Axial piston motor with swing holding brake
Relief valve setting:
Implement circuits up to . . . . . **4,550 psi** 320 kg/cm²
Travel circuit . . . . . **4,980 psi** 350 kg/cm²
Swing circuit . . . . . **3,980 psi** 275 kg/cm²
Pilot circuit . . . . . **430 psi** 30 kg/cm²
Hydraulic cylinders:
Number of cylinders – bore x stroke
Boom . . 2–**8.9" x 71.2"** 225 mm x 1960 mm
Arm . . . 2–**7.3" x 69.5"** 185 mm x 1765 mm
Bucket . 2–**7.9" x 60.2"** 200 mm x 1530 mm
Bucket Dump . . . . . 2–**5.5" x 17.1"** 140 mm x 435 mm

SWING SYSTEM

Driven by. . . . . Hydraulic motor
Swing reduction. . . . . Planetary gear
Swing circle lubrication . . . . . Grease-bathed
Swing lock . . . . . Oil disc brake
Swing speed . . . . . 5.8 rpm

DRIVES AND BRAKES

Steering control . . . . . 2 levers with pedals
Drive method . . . . . Fully hydrostatic
Travel motor . . . . . Axial piston motor, in-shoe design
Reduction system . . Planetary double reduction
Maximum drawbar pull . . . **154,320 lb** 70000 kg
Gradability 70%
Maximum travel speed
Low . . . . . **1.3 mph** 2.1 km/h
High. . . . . **2.0 mph** 3.2 km/h
Service brake . . . . . Hydraulic lock
Parking brake . . . . . Oil disc brake

UNDERCARRIAGE

Center frame . . . . . H-leg frame
Track frame . . . . . Box-section
Seal of track . . . . . Sealed track
Track adjuster . . . . . Hydraulic
No. of shoes. . . . . 48 each side
No. of carrier rollers . . . . . 3 each side
No. of track rollers . . . . . 8 each side

COOLANT AND LUBRICANT CAPACITY (refilling)

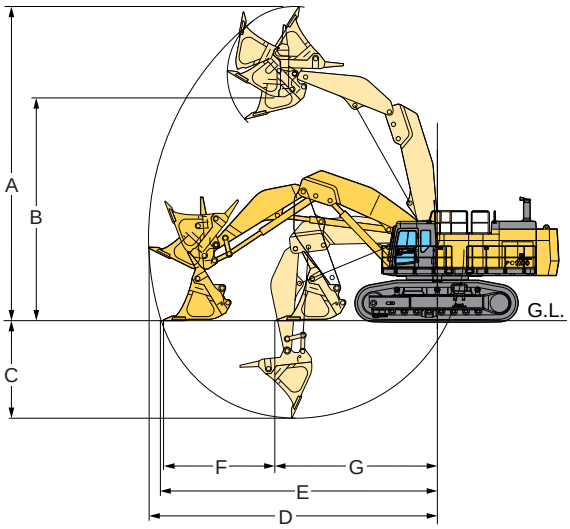
Fuel tank	**359.3 U.S. gal**	1360 ltr
Radiator.	**37.3 U.S. gal**	140 ltr
Engine.	**13.5 U.S. gal**	51 ltr
Final drive, each side. . . .	**5.7 U.S. gal**	22 ltr
Swing drive	**5.7 U.S. gal**	22 ltr
Hydraulic tank	**177.0 U.S. gal**	670 ltr

OPERATING WEIGHT (approximate)

PC1100-6 Loading Shovel: Operating weight, including **17'5"** 5300 mm boom, **12'6"** 3800 mm arm, **8.5 yd³** 6.5 m³ bottom dump bucket, operator, lubricant, coolant, full fuel tank, and the standard equipment.

Double-Grouser Shoes	PC1100-6	
	Operating Weight	Ground Pressure
28" 700 mm	**238,100 lb** 108000 kg	**20.1 psi** 1.41 kg/cm²

WORKING RANGE AND BUCKET SELECTION



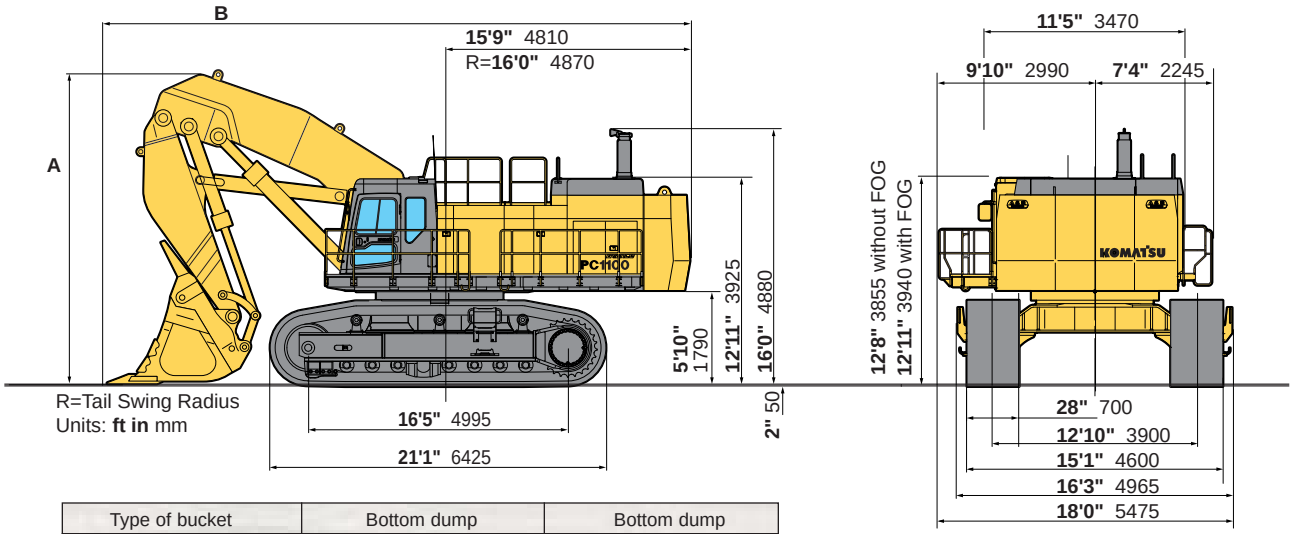
Working Range

	Type of bucket	Bottom dump		Bottom dump	
	Capacity—heaped	**8.5 yd³**	6.5 m³	**9.2 yd³**	7.0 m³
A	Max. cutting height	**40'8"**	12400 mm	**41'4"**	12600 mm
B	Max. dumping height	**28'10"**	8790 mm	**28'10"**	8790 mm
C	Max. digging depth	**12'0"**	3650 mm	**12'8"**	3850 mm
D	Max. digging reach	**37'5"**	11400 mm	**38'1"**	11600 mm
E	Max. digging reach at ground level	**36'2"**	11020 mm	**36'9"**	11210 mm
F	Level crowding distance	**15'2"**	4630 mm	**15'2"**	4630 mm
G	Min. crowd distance	**20'9"**	6320 mm	**20'9"**	6540 mm
	Bucket digging force	**128,970 lb**	58500 kg	**128,970 lb**	58,500 kg
	Arm crowd force	**123,460 lb**	56000 kg	**123,460 lb**	56000 kg

Bucket Selection

Type of bucket	Bottom dump		Bottom dump	
Capacity—heaped	**8.5 yd³**	6.5 m³	**9.2 yd³**	7.0 m³
Width	**91'3"**	2320 mm	**91'3"**	2320 mm
Weight	**11,900 lb**	5400 kg	**12,570 lb**	5700 kg
No. of bucket teeth	6		6	
Recommended uses	General-purpose digging and loading		Light-duty excavation and loading	

DIMENSIONS



	Type of bucket	Bottom dump		Bottom dump	
	Capacity—heaped	**8.5 yd³**	6.5 m³	**9.2 yd³**	7.0 m³
A	Overall Height	**19'5"**	5910 mm	**19'6"**	5940 mm
B	Overall Length	**36'6"**	11130 mm	**37'3"**	11350 mm

STANDARD EQUIPMENT

Engine and its related items:

- Air cleaner, double element dry
- Cooling fan, with fan guard
- Engine, Komatsu SAA6D170E-2

Electrical system:

- Alternator, 90 Amp, 24V
- Batteries, 2 x 12V, 200 Ah
- Starting motor, 11 kW x 2
- Working light, (2 boom, 1RH)
- Timer-off step light

Undercarriage:

- PC1100-6, PC1100SP-6, **28"** 700 mm double grouser
- PC1100LC-6, **39.4"** 1000 mm double grouser shoes
- PC1100-6, 8-track/3 carrier rollers (each side)
- PC1100LC-6, 10-track/3 carrier rollers (each side)
- PC1100SP-6, 8-track/3 carrier rollers (each side)
- Hydraulic track adjusters (each side)
- Track guiding guard (each side)

Guards and covers:

- Dust-proof net for radiator and oil cooler
- Pump/engine room partition cover
- Revolving frame undercover

Operator environment:

- Air conditioner with defroster
- Viscous mount, all weather sound suppression with tinted safety glass windows, pull-up front window with lock device, roof window, lockable door, two intermittent window wipers and washer, floormat, cigarette lighter, ashtray, heater with defroster, storage box, hot/cool box, window lattice (right), and antenna
- Inclined dashboard
- Handrails for machine cab
- Instrument panel (angle adjustable) with electric display/ monitor system with electrically-controlled throttle lever, electric service meter, gauges (coolant temp and fuel level), caution lights (electric charge, engine, oil pressure, and air cleaner clogging), indicator lights (engine preheating and swing lock light) level check light (coolant, engine oil, and hydraulic oil level), self-diagnostic system with trouble data memory
- Rearview mirrors, RH and LH
- Seat, fully adjustable with suspension

Hydraulic controls:

- Fully hydraulic, with Electronic Open Center Load Sensing (EOLSS) and engine speed sensing (pump and engine mutual control system)
- 1 gear pump for control circuit
- 2 axial piston motor for swing with single stage relief valve
- 1 axial piston motor per track for travel with counter balance valve
- 3 variable capacity piston pump
- 3 control valves, 5+4+4 spools (boom, arm, bucket, swing, and travel)
- Control levers, wrist control levers for arm, boom, bucket, and swing with PPC system
- Control levers and pedals for steering and travel with PPC system
- Oil cooler
- In-line filter

Drive and brake system:

- Brakes, hydraulic lock travel brakes, oil disc parking, and swing holding brake
- Hydrostatic, 2 travel speed system with planetary triple reduction final drive

Other standard equipment:

- Automatic swing holding brake
- Corrosion resister
- Counterweight, **38,580 lb** 17500 kg
- Horn, air
- Marks and plates, English
- One-touch engine oil drainage
- Paint, Komatsu standard
- PM tune-up service connector
- Remote greasing for radiator fan drive
- Travel alarm
- Wide catwalk and large handrails
- Vandalism protection locks

OPTIONAL EQUIPMENT

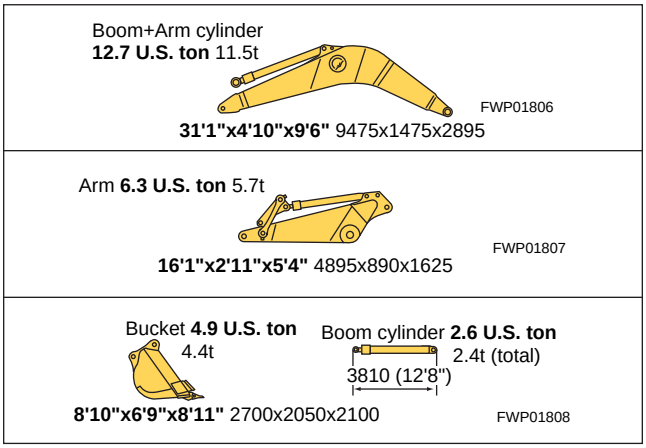
- Arms
  - — **11'2"** 3400 mm arm assembly
  - — **11'2"** 3400 mm SP arm assembly (std only)
  - — **11'2"** 3400 mm HD arm assembly (std only)
  - — **14'9"** 4500 mm arm assembly
  - — **14'9"** 4500 mm HD arm assembly (std only)
  - — **18'6"** 5600 mm arm assembly (std only)
- Boom
  - — **29'10"** 9100 mm
  - — **25'9"** 7800 mm SP boom
- Cab front full guard
- Grease gun, air pump
- Head guard (FOG)
- Revolving frame undercover (HD)
- Seat belt
- Shoes
  - — **40"** 1000 mm double grouser
  - — **44"** 1200 mm double grouser (LC-6 only)
- Track roller guards (full length)
- Track frame undercover
- Working lights, (2 on cab)

TRANSPORTATION GUIDE

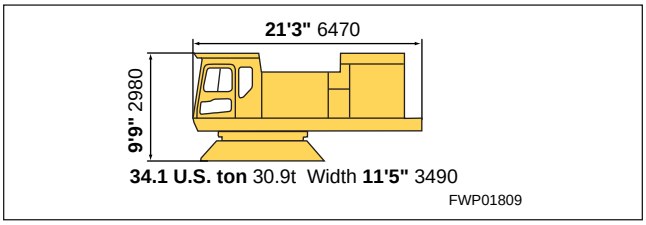
Posture for transportation (length X height X width) (1/2)

Four units for transportation (PC1100-6 STD spec.)

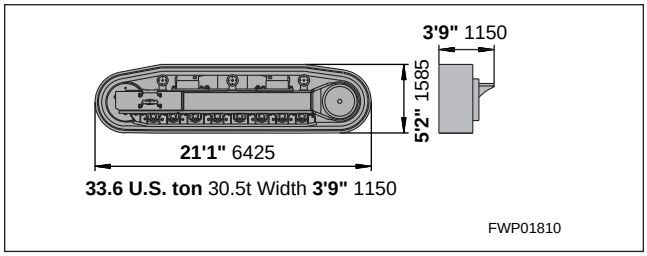
(1) Work equipment assembly **27.1 U.S. ton** 24.6t



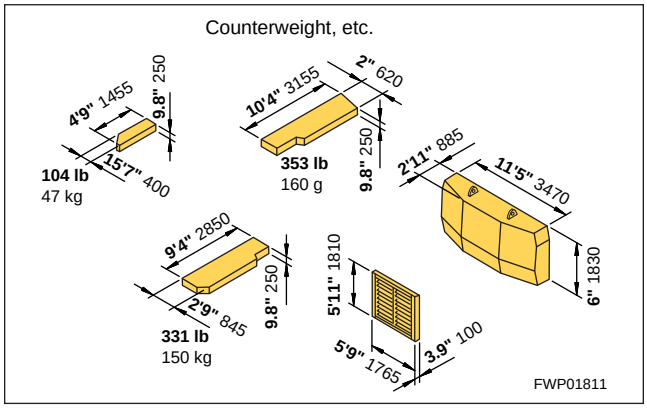
(2) Upper structure **34.1 U.S. ton** 30.9t



(3) Undercarriage **33.6 U.S. ton** 30.5t



(4) Others **19.6 U.S. ton** 17.8t



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