PC400LC-6

KOMATSU

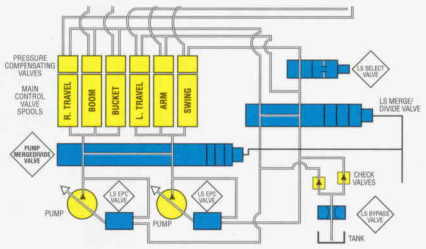
HORSEPOWER
306 HP 228 kW

OPERATING WEIGHT
94,147 - 99,371 lb
42704 - 45074 kg

PC400LC-6

HYDRAULIC EXCAVATOR

HydrauMind



Avance is the next generation of excavator development from Komatsu. This machine provides the most productive and economical excavator on the market today.

HydrauMind is a closed center hydraulic system designed with Komatsu exclusive valves, which furnish the ***Avance*** operator with greater responsiveness.

- LS Bypass Valve - provides smoother operations by reducing hydraulic surges.
- Pump Merge Divide Valve - decreases cycle time and increases fuel efficiency.
- LS Select Valve - reduces travel shock and helps maintain greater swing speeds.
- LS EPC Valve - makes swing speed proportional to reduced engine speed.

Together these valves increase the total efficiency of the hydraulic system. With the **HydrauMind** system the ***Avance*** operator experiences less fatigue and greater control, because the work equipment responds directly to the operator's touch.

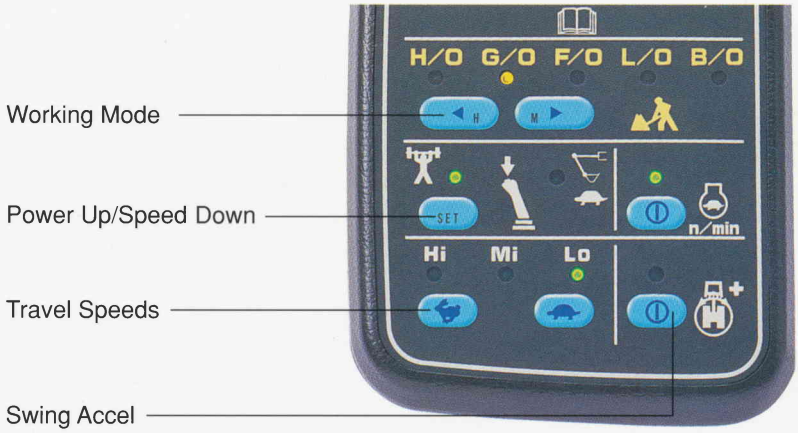
PC400LC-6
HYDRAULIC EXCAVATOR

Horsepower:
306 HP 228 kW @ 1,900 RPM

Operating Weight:
94,147 - 99,371 lb
42704 - 45074 kg

Bucket Capacity:
Std. 1.25 - 3.0 yd³ .96 - 2.12 m³
SE: 3.5 yd³ 2.68 m³

Operation



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	• Max. Production/Power • Fast Cycle Times • Power Up/Speed Down Available
G/O	General	• Good Cycle Times • Good Fuel Economy • Power Up/Speed Down Available
F/O	Finishing	• Smooth Finishing Capability • Arm in 1/2 Speed
L/O	Lifting	• Powerful Lifting • Power Maximum Pressure Continuously • Reduced Speed • Precision Control
B/O	Breaker Operations	• Optimum Engine RPM, Hydraulic Flow and Pressure

POWER UP/SPEED DOWN SWITCH*

A dual-function button on top of the left joystick provides an instant burst of power at either full or half speed dependent on the monitor selection.

Selection	Application	Result
Power Up	Tough Digging Operations	Increase speed for 8.5 seconds. Cut off function is cancelled.
Speed Down	Delicate Operations	Speed is reduced by 1/2. Cut off function is cancelled while joystick button is pressed.

** Available in H/O and G/O mode only.*

TRAVEL SPEEDS

The ***Avance*** excavator is equipped with three travel speeds to provide smooth, efficient travel around the job site.

SWING ACCEL

The swing accel function is designed to control boom and swing speeds to provide optimum responses for different loading angles. As a result, operators can use the same easy motion for 180° loading as they do for 90° loading.

Selection	Result
ON	Oil flow to the swing motor is increased. 180° loading operations are most efficient.
OFF	Oil flow to the boom is increased. 90° loading operations are most efficient.

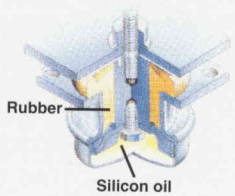
Comfortable Cab

The ***Avance*** cab interior is 14% more spacious and provides a comfortable working environment.

- Side Visibility has been improved by adding glass to the lower half of the door.
- Upward Visibility has been increased by installing a larger, forward-mounted ceiling hatch that eliminates the upper crossbar.
- Forward Visibility has been improved with additional window area and by attaching the windshield wiper to the cab, improving the operator's line-of-sight. The remote wiper also enables the windshield to be raised and lowered easily.
- Ventilation has been improved by providing additional vents throughout the cab and with the larger fresh-air intake system.
- Two Storage Compartments are installed behind the operator's seat for personal items and hot/cold items.
- The semi-bucket seat utilizes a urethane foam which will hold its shape. In addition, it features a dual tilt mechanism allowing the operator to adjust the seat to their posture and size.

CONTROLS

The multiple position, pressure proportional control levers allow the operator to work comfortably while maintaining complete accuracy. A double slide mechanism permits the seat and controllers to move simultaneously or independently. This allows the operator to position the controllers for maximum comfort. The multi-position monitor is easily accessible and can be rotated to remove any glare. In addition, the angled dashboard makes the switches and fuel control dials easier to view and use.



CAB MOUNTS

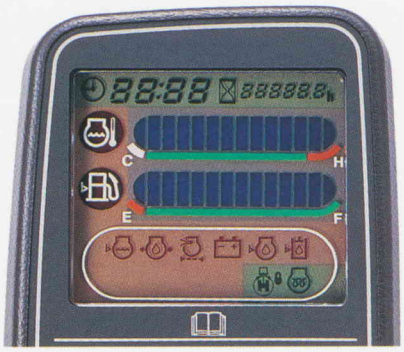
The cab rests on viscous damping mounts to reduce vibration and noise from the machine body. Operator fatigue is reduced to a minimum.

Unrivaled Control

TWO-MODE SETTING FOR BOOM

By pushing a button, it is possible to select either a smooth arm operation or powerful boom thrust. Based on your selection, the system chooses the boom head safety valve pressure from two settings.

Service



SELF-DIAGNOSTIC MONITOR

The improved ***Avance*** monitor is equipped with an onboard self-diagnostic system. This diagnostic system can display information for the following:

- Current operating conditions - engine speed, hydraulic main pump pressures, and electronic signals
- Historical abnormalities - records up to 200 deviations within the past 1,000 hours of operation.

If an abnormality occurs the system will display a warning or sound an alarm.

ACCESSIBLE SERVICE LOCATIONS

Fluid checks are easier and can be performed from ground level. Also, oil changes have been simplified with the new drain valve and improved filter locations. The bolt-type adjustment for the alternator simplifies fan belt tension adjustment.

OUTSTANDING DURABILITY

The track link pitch has been enlarged to the next size class, and a strut has been added for increased durability.

PC400LC-6 SPECIFICATIONS

PC400LC-6
HYDRAULIC EXCAVATOR

ENGINE

Model ..... Cummins M11
Type ..... 4 cycle water-cooled, direct-injection
Aspiration ..... Turbocharged and aftercooled
No. of cylinders 6
Bore ..... **4.92"** 125 mm
Stroke ..... **5.79"** 147 mm
Piston displacement ..... **661 in³** 10.8 ltr.
Rated Gross Horsepower:
320 HP 238.6 kW @ 2,000 RPM (SAE#J1349)
Flywheel horsepower:
306 HP 228 kW @ 1,900 RPM (SAE#J1349)
Governor ..... All-speed, mechanical
Meets 1996 EPA emission standards.

HYDRAULIC SYSTEM

Type..... HydrauMind system, a closed-center system with load sensing valves and pressure compensated valves.
No. of selectable working modes..... 5
Main pump:
Type .....Variable-displacement piston pumps
Pumps for..... Boom, arm bucket, swing and travel circuits
Maximum flow ..... **2 x 81 U.S. gal/min.** 308 ltr.
Sub-pump for control circuit ..... Gear pump
Hydraulic motors:
Travel ..... 2 x Axial piston motor with parking brake
Swing .....1 x Axial piston motor
Relief valve setting:
Implement circuits..... **5,050 PSI** 355 kg/cm²
Travel circuit ..... **5,050 PSI** 355 kg/cm²
Swing circuit..... **4,050 PSI** 285 kg/cm²
Pilot circuit ..... **430 PSI** 30 kg/cm²
Service valve ..... **2,990 PSI** 210 kg/cm²
Hydraulic cylinders:
Number of cylinders – bore x stroke
Boom ..... 2 – **6.3" x 61.8"** 160 mm x 1570 mm
Arm..... 1 – **7.3" x 71.7"** 185 mm x 1820 mm
Bucket..... 1 – **6.3" x 50.0"** 160 mm x 1270 mm
Service valves maximum flow:
First valve..... **126.8 U.S. gal/min.** 480 ltr.
Second valve ..... **63.4 U.S. gal/min.** 240 ltr.
Third valve..... **63.4 U.S. gal/min.** 240 ltr.

DRIVES & BRAKES

Steering control..... Two levers with pedals
Drive method..... Fully hydrostatic type
Travel motor ..... Axial piston motor, in-shoe
Max. drawbar pull ..... **74,300 lb** 33700 kg
Max. travel speed (High)..... **3.4 MPH** 5.5 km/h
Max. travel speed (Mid) ..... **2.8 MPH** 4.5 km/h
Max. travel speed (Low)..... **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 double reduction
Swing circle lubrication ..... Grease-bathed
Swing lock ..... Oil disc
Swing speed ..... 9.3 RPM

UNDERCARRIAGE

Center frame..... X-frame
Track frame..... Box-section type
Seal of track..... Sealed track
Track adjuster..... Hydraulic
No. of shoes ..... 49 per side
No. of carrier rollers..... 2 per side
No. of track rollers ..... 8 per side

COOLANT & LUBRICANT CAPACITY (refilling)

Fuel tank ..... **159.8 U.S. gal** 605 ltr.
Radiator ..... **12.4 U.S. gal** 47.0 ltr.
Engine..... **8.5 U.S. gal** 32.0 ltr.
Final drive, each side..... **3.0 U.S. gal** 11.5 ltr.
Swing drive ..... **5.7 U.S. gal** 21.5 ltr.
Hydraulic tank ..... **71.3 U.S. gal** 270 ltr.

OPERATING WEIGHT

Operating weight, including **23' 2"** 7060 mm one-piece boom, **11' 1"** 3380 mm arm, SAE heaped **2.38 yd³** 1.82 m³ back-hoe bucket, operator, lubricant, coolant, full fuel tank and the standard equipment.

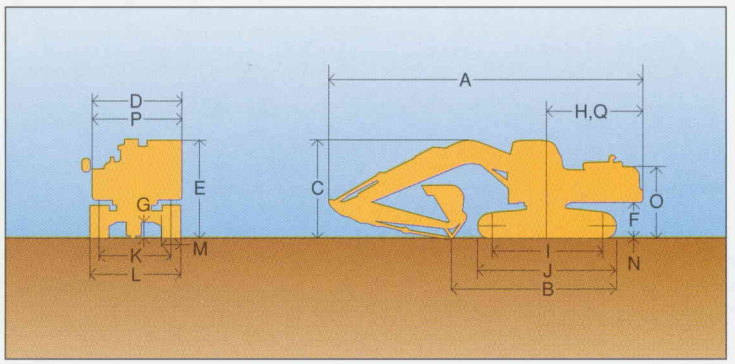
Triple-grouser shoes	PC400LC-6	
	Operating weight	Ground pressure
23.6" 600 mm	**94,147 lb** 42704 kg	**10.95 PSI** 0.77 kg/cm²
27.6" 700 mm	**95,147 lb** 43158 kg	**9.36 PSI** 0.66 kg/cm²
31.5" 800 mm	**96,137 lb** 43607 kg	**8.36 PSI** 0.59 kg/cm²
35.4" 900 mm	**97,245 lb** 44110 kg	**7.49 PSI** 0.53 kg/cm²
Maximum Weight	**99,371 lb** 45074 kg	**7.66 PSI** 0.54 kg/cm²

Maximum operating weight also includes: **15' 9"** 4800 mm arm, and **3.0 yd³** 2.29 m³ heavy duty bucket.

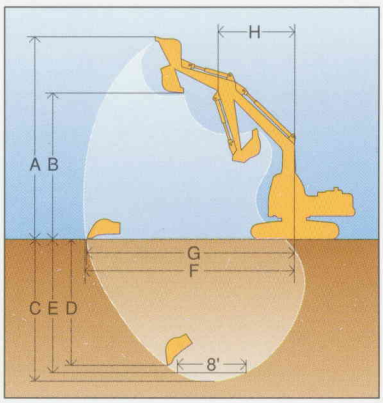
Arm Length	Weight adjustments:	
7' 10" 2400 mm	**(368) lb**	(167) kg
9' 6" 2900 mm	**(108) lb**	(49) kg
10' 8" 3240 mm (SE)	**+223 lb**	101 kg
13' 1" 4000 mm	**+529 lb**	240 kg
15' 9" 4800 mm	**+820 lb**	372 kg
SE Boom **(21' 11")**	**+181 lb**	82 kg

DIMENSIONS

		7' 10"	2400 mm	9' 6"	2900 mm	11' 1"	3380 mm	13' 1"	4000 mm	15' 9"	4800 mm
A	Overall length	39' 1"	11915 mm	39' 0"	11885 mm	38' 10"	11835 mm	38' 11"	11850 mm	38' 4"	11685 mm
B	Overall length (transport)	27' 8"	8435 mm	24' 4"	7425 mm	21' 11"	6685 mm	20' 5"	6220 mm	19' 9"	6025 mm
C	Overall height (to top of boom)	12' 2"	3715 mm	12' 3"	3730 mm	11' 11"	3635 mm	12' 5"	3795 mm	14' 5"	4385 mm
D	Overall width	11' 3"	3440 mm								
E	Overall height (to top of cab)	10' 9"	3265 mm								
F	Ground clearance, counterweight	4' 4"	1320 mm								
G	Ground clearance (minimum)	1' 10"	555 mm								
H	Tail swing radius	11' 6"	3500 mm								
I	Track length on ground	14' 3"	4350 mm								
J	Track length	17' 7"	5355 mm								
K	Track gauge	9' 0"	2740 mm								
L	Width of crawler	11' 3"	3440 mm								
M	Shoe width	28"	700 mm								
N	Grouser height	1.5"	37 mm								
O	Machine cab height	8' 11"	2715 mm								
P	Upper structure width	9' 10"	2995 mm								
Q	Distance, swing center to rear end	11' 6"	3500 mm								



WORKING RANGE & BUCKET/ARM COMBINATION



		7' 10"	2400	9' 6"	2900	11' 1"	3380	13' 1"	4000	15' 9"	4800
A	Max. digging height	33' 9"	10295	33' 10"	10305	35' 10"	10920	36' 3"	11045	37' 9"	11505
B	Max. dumping height	23' 2"	7055	23' 3"	7095	24' 10"	7570	25' 4"	7725	26' 9"	8155
C	Max. digging depth	22' 3"	6785	23' 11"	7285	25' 6"	7760	27' 6"	8385	30' 2"	9195
D	Max. vertical wall digging depth	17' 6"	5335	18' 8"	5680	22' 6"	6850	23' 11"	7280	26' 11"	8215
E	Max digging depth of cut for 8' level	21' 7"	6585	23' 3"	7095	25' 0"	7620	27' 1"	8255	29' 9"	9080
F	Max. digging reach	36' 3"	11055	37' 6"	11435	39' 5"	12020	41' 2"	12550	43' 10"	13350
G	Max. digging reach at ground level	35' 6"	10830	36' 10"	11220	38' 9"	11810	40' 6"	12355	43' 2"	13165
H	Min. swing radius	15' 11"	4855	14' 5"	4825	15' 8"	4770	15' 9"	4800	16' 0"	4885
	Bucket digging force* *at power max.	50,260 lb 22800 kg		50,040 lb 22700 kg		50,490 lb 22900 kg		50,040 lb 22700 kg		49,820 lb 22600 kg	
	Arm Crowd force* *at power max.	57,760 lb 26200 kg		51,150 lb 23200 kg		43,210 lb 19600 kg		38,800 lb 17600 kg		33,950 lb 15400 kg	

BACKHOE BUCKET AND ARM COMBINATION

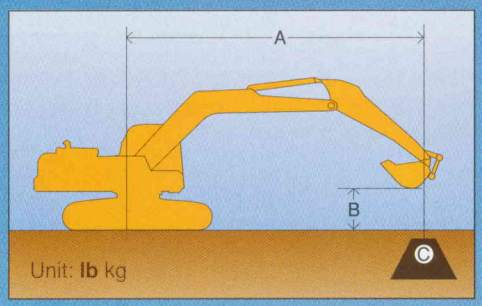
BUCKET	CAPACITY		WIDTH		WEIGHT		# OF TEETH	ARM 7' 10" 2400mm	ARM 9' 6" 2900mm	ARM 11' 1" 3380mm	ARM 13' 1" 4000mm	ARM 15' 9" 4800mm
STANDARD PLATE	1.63 yd³	1.25 m³	36"	914 mm	2,723 lb	1235 kg	4	○	○	○	○	○
	2.00 yd³	1.50 m³	42"	1067 mm	3,015 lb	1368 kg	5	○	○	○	○	○
	2.38 yd³	1.82 m³	48"	1219 mm	3,210 lb	1456 kg	5	○	○	○	○	□
	2.75 yd³	2.10 m³	54"	1372 mm	3,540 lb	1606 kg	6	○	○	○	△	X
	3.00 yd³	2.29 m³	60"	1524 mm	3,729 lb	1691 kg	6	○	□	□	X	X
HEAVY DUTY PLATE	1.63 yd³	1.25 m³	36"	914 mm	3,302 lb	1498 kg	4	○	○	○	○	○
	2.00 yd³	1.50 m³	42"	1067 mm	3,683 lb	1671 kg	5	○	○	○	○	□
	2.38 yd³	1.82 m³	48"	1219 mm	3,894 lb	1766 kg	5	○	○	○	○	□
	2.75 yd³	2.10 m³	54"	1372 mm	4,260 lb	1932 kg	6	○	○	□	△	X
	3.00 yd³	2.29 m³	60"	1524 mm	4,516 lb	2048 kg	6	○	□	□	X	X
HEAVY DUTY CAST	1.25 yd³	0.96 m³	30"	762 mm	2,592 lb	1175 kg	4	○	○	○	○	○
	1.50 yd³	1.15 m³	33"	838 mm	2,794 lb	1267 kg	4	○	○	○	○	○
	1.75 yd³	1.33 m³	39"	991 mm	2,972 lb	1348 kg	4	○	○	○	○	○
	2.12 yd³	1.62 m³	45"	1143 mm	3,332 lb	1511 kg	5	○	○	○	○	□

○ -Used with weights up to 3,040 lb/yd³ □ -Used with weights up to 2,520 lb/yd³ △ -Used with weights up to 2,020 lb/yd³ X -Not useable

GUIDELINES FOR MATCHING ESCO BUCKETS WITH APPLICATIONS

STANDARD DUTY PLATE BUCKET	HEAVY DUTY PLATE BUCKET	HEAVY DUTY CAST BUCKET	DITCH CLEANING BUCKET
• General purpose. • Truck loading. • Mass excavation. • General excavation in loam solid, sandy soils or soils containing very little rock.	• General excavation in compact soils or dense clay. • Excavation in gravel or loosely embedded to moderate rock conditions.	• Shot rock conditions. • Touch and abrasive excavating.	• General purpose ditch cleanout. • Very light excavating in loam or sandy soils.

LIFTING CAPACITY



Equipment:
- Boom: **23' 2"** 7060 mm
- Bucket: **2.38 yd³** 1.8 m³
- Shoes: **35.4"** 900 mm
- 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: 7' 2" 2400 mm — Unit: **lb** kg

A / B	5' 1.5 m		10' 3.0 m		15' 4.6 m		20' 6.1 m		25' 7.6 m		30' 9.1 m		⊠MAX.	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
25' 7.6 m									***21,600** *9800	**18,800** 8550			*21,400 *9700	**17,800** 8050
20' 6.1 m									***22,300** *10150	**18,500** 8400			***20,900** *9600	**14,400** 6550
15' 4.6 m					***38,700** *17550	***38,700** *17550	***29,100** *13200	**25,500** 11600	***24,000** *10850	**17,800** 8100	***21,000** *9500	**12,900** 5850	***20,800** *9450	**12,600** 5700
10' 3.0 m							***32,600** *14800	**23,800** 10800	***25,800** *11700	**17,000** 7700	**21,300** 9650	**12,600** 5700	**19,900** 9000	**11,700** 5300
5' 1.5 m							***34,900** *15850	**22,500** 10200	***27,100** *12300	**16,200** 7350	**20,900** 9500	**12,200** 5500	**19,500** 8850	**11,400** 5150
0' 0.0 m					***44,000** *19950	**33,700** 15300	***35,300** *16000	**21,800** 9900	**27,400** 12400	**15,700** 7150	**20,600** 9350	**11,900** 5400	**20,100** 9100	**11,600** 5300
-5' -1.5 m					***43,400** *19700	**33,900** 15400	***33,800** *15300	**21,700** 9850	***26,400** *12000	**15,600** 7050			***21,700** *9850	**12,700** 5750
-10' -3.0 m			***44,900** *20350	***44,900** *20350	***37,900** *17200	**34,600** 15700	***30,100** *13650	**22,000** 9950	***23,100** *10500	**15,800** 7150			***21,600** *9750	**14,900** 6750
-15' -4.6 m					***29,200** *13250	***29,200** *13250	***23,000** *10400	**22,800** 10300					***20,100** *9150	**19,900** 9050

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: 9' 6" 2900 mm — Unit: **lb** kg

A / B	5' 1.5 m		10' 3.0 m		15' 4.6 m		20' 6.1 m		25' 7.6 m		30' 9.1 m		⊠MAX.	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
25' 7.6 m									***20,000** *9100	**19,100** 8650			***19,600** *8900	**16,100** 7300
20' 6.1 m									***21,100** *9550	**18,700** 8500	***19,400** *8800	**13,300** 6000	***19,300** *8750	**13,300** 6000
15' 4.6 m					***36,400** *16500	***36,400** *16500	***27,500** *12500	**25,900** 11750	***22,900** *10350	**18,000** 8150	***20,100** *9100	**13,000** 5900	***19,400** *8800	**11,700** 5300
10' 3.0 m					***44,200** *20050	**37,200** 16850	***31,300** *14200	**24,200** 10950	***24,900** *11300	**17,100** 7750	***21,000** *9550	**12,600** 5700	**18,500** 8400	**10,800** 4900
5' 1.5 m					***44,500** *20200	**34,600** 15700	***34,200** *15500	**22,700** 10300	***26,500** *12050	**16,300** 7350	**20,900** 9450	**12,100** 5500	**18,200** 8250	**10,500** 4750
0' 0.0 m					***48,000** *21800	**33,700** 15300	***35,200** *15950	**21,900** 9900	***27,300** *12350	**15,700** 7100	**20,500** 9300	**11,800** 5350	**18,700** 8450	**10,700** 4850
-5' -1.5 m			***33,800** *15300	***33,800** *15300	***45,400** *20550	**33,700** 15300	***34,300** *15600	**21,500** 9750	***26,700** *12150	**15,400** 7000	**20,400** 9250	**11,700** 5300	**20,100** 9100	**11,500** 5250
-10' -3.0 m			***51,700** *23450	***51,700** *23450	***40,600** *18400	**34,200** 15500	***31,400** *14250	**21,700** 9800	***24,400** *11050	**15,500** 7050			***20,900** *9450	**13,400** 6050
-15' -4.6 m			***40,700** *18450	***40,700** *18450	***32,900** *14900	***32,900** *14900	***25,700** *11650	**22,300** 10100					***20,300** *9200	**17,200** 7800

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: 11' 1" 3381 mm

Unit: lb kg

A / B	5' 1.5 m Cf	5' 1.5 m Cs	10' 3.0 m Cf	10' 3.0 m Cs	15' 4.6 m Cf	15' 4.6 m Cs	20' 6.1 m Cf	20' 6.1 m Cs	25' 7.6 m Cf	25' 7.6 m Cs	30' 9.1 m Cf	30' 9.1 m Cs	35' 10.7 m Cf	35' 10.7 m Cs	MAX. Cf	MAX. Cs
25' 7.6 m															*12,700 *5750	*12,700 *5750
20' 6.1 m									*19,900 *9000	19,000 8650	*18,300 *8300	13,500 6150			*12,600 *5750	11,600 5300
15' 4.6 m							*26,000 *11800	*26,000 *11800	*21,800 *9900	18,200 8250	*19,300 *8750	13,200 6000			*13,000 *5900	10,400 4700
10' 3.0 m					*41,900 *19000	38,400 17400	*30,100 *13650	24,700 11200	*24,000 *10900	17,300 7850	*20,400 *9250	12,700 5750			*13,700 *6200	9,700 4400
5' 1.5 m					*47,300 *21450	35,400 16050	*33,400 *15150	23,100 10450	*26,000 *11750	16,400 7450	20,900 9500	12,200 5550			*14,900 *6750	9,400 4250
0' 0.0 m					*46,500 *21100	34,000 15400	*35,000 *15900	22,000 10000	*27,100 *12250	15,800 7150	20,500 9300	11,800 5350			*16,800 *7650	9,600 4350
-5' -1.5 m			*29,500 *13350	*29,500 *13350	*46,800 *21200	33,700 15250	*34,800 *15800	21,500 9750	27,000 12250	15,400 7000	20,300 9200	11,600 5250			18,000 8150	10,300 4650
-10' -3.0 m	*33,400 *15150	*33,400 *15150	*43,400 *19650	*43,400 *19650	*42,800 *19400	33,900 15400	*32,600 *14750	21,500 9750	*25,300 *11450	15,400 6950	*19,200 *8700	11,700 5300			*19,100 *8650	11,700 5300
-15' -4.6 m			*47,000 *21300	*47,000 *21300	*36,100 *16350	34,700 15750	*27,800 *12650	22,000 9950	*20,900 *9500	15,700 7150					*18,700 *8450	14,500 6550
-20' -6.1 m					*25,000 *11350	*25,000 *11350	*18,500 *8400	*18,500 *8400							*16,600 *7500	*16,600 *7500

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: 13' 1" 4000 mm

Unit: lb kg

A / B	5' 1.5 m Cf	5' 1.5 m Cs	10' 3.0 m Cf	10' 3.0 m Cs	15' 4.6 m Cf	15' 4.6 m Cs	20' 6.1 m Cf	20' 6.1 m Cs	25' 7.6 m Cf	25' 7.6 m Cs	30' 9.1 m Cf	30' 9.1 m Cs	35' 10.7 m Cf	35' 10.7 m Cs	MAX. Cf	MAX. Cs
25' 7.6 m											*15,700 *7100	13,900 6300			*10,700 *4850	*10,700 *4850
20' 6.1 m											*16,900 *7650	13,700 6200			*10,600 *4800	10,400 4700
15' 4.6 m									*20,200 *9150	18,400 8350	*17,900 *8150	13,200 6000	*13,700 *6200	9,700 4400	*10,900 *4950	9,300 4200
10' 3.0 m					*37,600 *17050	37,600 17050	*27,900 *12650	25,000 11350	*22,500 *10200	17,400 7900	*19,300 *8750	12,700 5750	16,400 7450	9400 4250	*11,500 *5200	8,600 3900
5' 1.5 m					*44,800 *20350	35,900 16300	*31,700 *14350	23,200 10550	*24,700 *11200	16,400 7450	*20,500 *9300	12,100 5500	16,100 7300	9,100 4150	*12,500 *5650	8,400 3800
0' 0.0 m			*19,400 *8800	*19,400 *8800	*47,700 *21650	33,900 15400	*34,000 *15450	21,900 9950	*26,200 *11900	15,600 7050	20,300 9200	11,600 5250	15,800 7150	8,900 4000	*14,000 *6350	8,500 3850
-5' -1.5 m	*19,700 *8900	*19,700 *8900	*28,300 *12850	*28,300 *12850	*47,400 *21500	33,200 15050	*34,600 *15700	21,200 9600	26,700 12100	15,100 6850	20,000 9050	11,300 5100			16,100 7300	9,000 4100
-10' -3.0 m	*29,300 *13300	*29,300 *13300	*39,300 *17850	*39,300 *17850	*44,500 *20200	33,200 15050	*33,200 *15050	21,000 9500	*25,700 *11650	14,900 6750	19,900 9050	11,200 5100			*17,800 *8100	10,100 4600
-15' -4.6 m	*40,200 *18250	*40,200 *18250	*53,300 *24200	*53,300 *24200	*39,000 *17700	33,700 15300	*29,600 *13450	21,300 9650	*22,700 *10300	15,100 6850					*17,800 *8100	12,200 5550
-20' -6.1 m			*39,200 *17800	*39,200 *17800	*29,900 *13550	*29,900 *13550	*22,700 *10250	22,000 10000							*16,900 *7650	*16,700 *7600

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: 15' 9" 4810 mm

Unit: lb kg

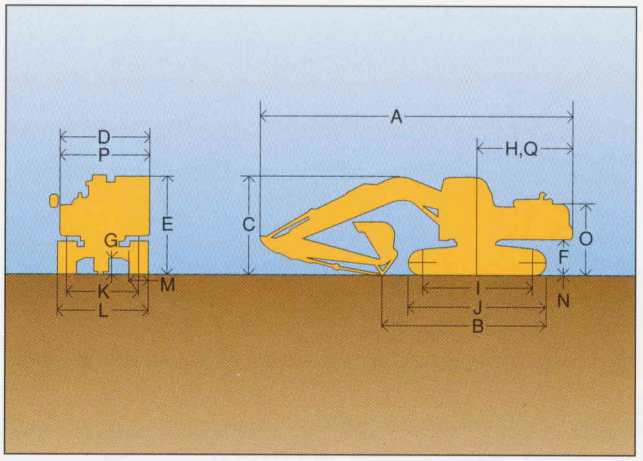
A / B	5' 1.5 m Cf	5' 1.5 m Cs	10' 3.0 m Cf	10' 3.0 m Cs	15' 4.6 m Cf	15' 4.6 m Cs	20' 6.1 m Cf	20' 6.1 m Cs	25' 7.6 m Cf	25' 7.6 m Cs	30' 9.1 m Cf	30' 9.1 m Cs	35' 10.7 m Cf	35' 10.7 m Cs	MAX. Cf	MAX. Cs
25' 7.6 m															*8,100 *3700	*8,100 *3700
20' 6.1 m											*15,100 *6850	14,000 6350	*13,000 *5900	10,100 4600	*8,000 *3650	*8,000 *3650
15' 4.6 m											*16,400 *7400	13,500 6150	*15,200 *6850	9,900 4500	*8,200 *3750	8,000 3600
10' 3.0 m							*25,100 *11400	*25,100 *11400	*20,700 *9350	17,800 8100	*17,900 *8100	12,900 5850	*16,000 *7250	9500 4300	*8,600 *3900	7,500 3400
5' 1.5 m					*41,300 *18750	37,400 16950	*29,500 *13350	23,900 10800	*23,200 *10550	16,700 7550	*19,400 *8800	12,200 5550	16,100 7300	9,100 4150	*9,300 *4200	7,200 3300
0' 0.0 m			*20,700 *9400	*20,700 *9400	*46,200 *20950	34,600 15700	*32,700 *14800	22,300 10100	*25,200 *11450	15,700 7150	20,400 9250	11,600 5250	15,700 7150	8,800 4000	*10,300 *4650	7,300 3330
-5' -1.5 m	*16,600 *7500	*16,600 *7500	*26,200 *11900	*26,200 *11900	*47,600 *21600	33,200 15050	*34,200 *15500	21,200 9650	*26,300 *11950	15,000 6800	19,900 9000	11,200 5050	15,500 7000	8600 3900	*11,800 *5350	7,700 3500
-10' -3.0 m	*24,400 *11050	*24,400 *11050	*34,400 *15600	*34,400 *15600	*46,300 *21000	32,800 14850	*33,900 *15350	20,800 9400	*26,100 *11850	14,700 6650	19,700 8900	11,000 4950	*14800 *6700	8500 3850	*14,100 *6400	8500 3850
-15' -4.6 m	*33,300 *15100	*33,300 *15100	*45,100 *20450	*45,100 *20450	*42,300 *19200	33,000 15000	*31,600 *14300	20,800 9400	*24,300 *11050	14,700 6650	*18,700 *8500	11,000 5000			*16,300 *7400	9,900 4500
-20' -6.1 m	*43,900 *19900	*43,900 *19900	*49,000 *22200	*49,000 *22200	*35,300 *16000	33,800 15350	*26,600 *12100	21,200 9650	*19,900 *9050	15,100 6850					*16,000 *7250	12,800 5800
-25' -7.6 m					*23,500 *10650	*23,500 *10650	*16,900 *7650	*16,900 *7650							*14,200 *6450	*14,200 *6450

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.

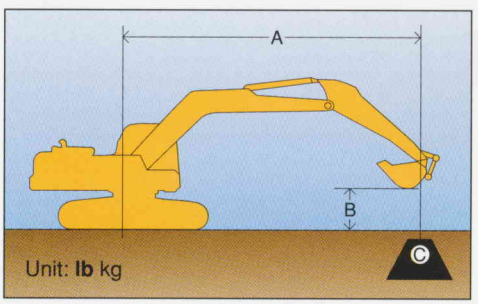
PC400LC-6 with SE OPTION (Boom, arm and bucket)

DIMENSIONS

		10' 8"	3240 mm arm
A	Overall length	37' 10"	11540 mm
B	Length on ground (transport)	21' 9"	6630 mm
C	Overall height (to top of boom)	12' 5"	3790 mm
D	Overall width	11' 3"	3440 mm
E	Overall height (to top of cab)	10' 9"	3265 mm
F	Ground clearance, counterweight	4' 4"	1320 mm
G	Min. ground clearance	1' 10"	555 mm
H	Tail swing radius	11' 6"	3500 mm
I	Length of track on ground	14' 3"	4350 mm
J	Track length	17' 7"	5355 mm
K	Track gauge (fixed)	9' 0"	2740 mm
L	Width of crawler	11' 3"	3440 mm
M	Shoe width	27.6"	700 mm
N	Grouser height	1.5"	37 mm
O	Machine cab height	8' 11"	2715 mm
P	Upper structure width	9' 10"	2995 mm
Q	Distance, swing center to rear end	11' 6"	3500 mm



LIFTING CAPACITY



Equipment:
- Boom: **21' 11"** 7060 mm
- Arm: **10' 8"** 3240 mm
- Bucket: **3.4 yd³** 2.6 m³
- Shoes: **23.6"** 700 mm
- Lifting Mode

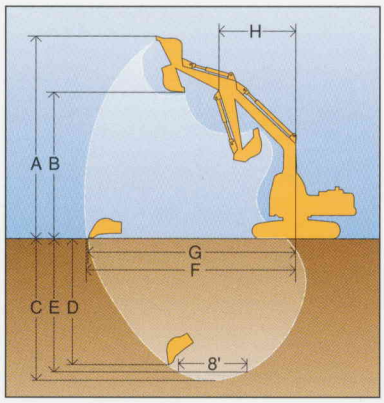
A: Reach from swing center
B: Bucket hook height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side
⋈: Rating at maximum reach

Unit: **lb** kg

A / B	5' 1.5 m		10' 3.0 m		15' 4.6 m		20' 6.1 m		25' 7.6 m		30' 9.1 m		⋈ MAX.	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
25' 7.6 m									***20,100** *9100	**18,600** 8450			***13,200** *5950	***13,200** *5950
20' 6.1 m									***20,900** *9500	**18,300** 8300	***16,400** *7450	**12,800** 5800	***12,900** *5850	***12,100** *5500
15' 4.6 m							***26,700** *12150	**25,900** 11750	***22,600** *10250	**17,600** 8000	***20,000** *9050	**12,500** 5700	***13,100** *5950	**10,700** 4850
10' 3.0 m					***42,000** *19050	**38,000** 17250	***30,500** *13850	**24,100** 10950	***24,600** *11150	**16,700** 7600	**20,800** 9400	**12,100** 5500	***13,800** *6250	**9,900** 4500
5' 1.5 m					***47,300** *21450	**34,900** 15800	***33,600** *15250	**22,500** 10200	***26,200** *11900	**15,900** 7200	**20,300** 9200	**11,700** 5300	***15,000** *6800	**9,700** 4400
0' 0.0 m			***20,800** *9450	***20,800** *9450	***48,400** *21950	**33,400** 15150	***35,000** *15850	**21,500** 9750	**26,700** 12100	**15,200** 6900	**19,900** 9000	**11,300** 5150	***16,800** *7650	**9,900** 4500
-5' -1.5 m	***24,300** *11050	***24,300** *11050	***35,400** *16050	***35,400** *16050	***46,200** *20950	**33,000** 14950	***34,300** *15550	**21,000** 9500	**26,300** 11950	**14,900** 6750	**19,800** 8950	**11,200** 5100	**18,800** 8550	**10,700** 4850
-10' -3.0 m	***39,000** *17700	***39,000** *17700	***53,200** *24100	***53,200** *24100	***41,200** *18,700	**33,300** 15100	***31,300** *14200	**21,000** 9550	***23,800** *10800	**14,900** 6800			***18,900** *8600	**12,400** 5600
-15' -4.6 m			***41,900** *19000	***41,900** *19000	***32,700** *14850	***32,700** *14850	***24,900** *11300	**21,600** 9800					***17,600** *7950	**15,900** 7200

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.

WORKING RANGE & BUCKET/ARM COMBINATION



PC400LC-6 with SE option		10' 8"	3240 mm arm
A	Max. digging height	36' 2"	11020 mm
B	Max. dumping height	24' 10"	7560 mm
C	Max. digging depth	24' 1"	7340 mm
D	Max. vertical wall digging depth	21' 10"	6650 mm
E	Max. digging depth of cut for 8' level	23' 7"	7190 mm
F	Max. digging reach	38' 2"	11640 mm
G	Max. digging reach at ground	37' 6"	11430 mm
H	Min. swing radius	14' 9"	4500 mm
	Bucket digging force	51,147 lb	23200 kg
	Arm Crowd force	47,620 lb	21600 kg

BACKHOE BUCKET AND ARM COMBINATION

BUCKET	CAPACITY		WIDTH		WEIGHT		# TEETH	SE ARM 10'8" 3240 mm
SE Bucket	3.50 yd³	2.68 m³	66"	1676 mm	3,662 lb	1661 kg	5	□
STANDARD PLATE	1.63 yd³	1.25 m³	36"	914 mm	2,723 lb	1235 kg	4	○
	2.00 yd³	1.50 m³	42"	1067 mm	3,015 lb	1368 kg	5	○
	2.38 yd³	1.82 m³	48"	1219 mm	3,210 lb	1456 kg	5	○
	2.75 yd³	2.10 m³	54"	1372 mm	3,540 lb	1606 kg	6	○
	3.00 yd³	2.29 m³	60"	1524 mm	3,729 lb	1691 kg	6	○
HEAVY DUTY PLATE	1.63 yd³	1.25 m³	36"	914 mm	3,302 lb	1498 kg	4	○
	2.00 yd³	1.50 m³	42"	1067 mm	3,683 lb	1671 kg	5	○
	2.38 yd³	1.82 m³	48"	1219 mm	3,894 lb	1766 kg	5	○
	2.75 yd³	2.10 m³	54"	1372 mm	4,260 lb	1932 kg	6	○
	3.00 yd³	2.29 m³	60"	1524 mm	4,516 lb	2048 kg	6	○
HEAVY DUTY CAST	1.25 yd³	0.96 m³	30"	762 mm	2,592 lb	1175 kg	4	○
	1.50 yd³	1.15 m³	33"	838 mm	2,794 lb	1267 kg	4	○
	1.75 yd³	1.33 m³	39"	991 mm	2,972 lb	1348 kg	4	○
	2.12 yd³	1.62 m³	45"	1143 mm	3,332 lb	1511 kg	5	○

○ -Used with weights up to 3,040 lb/yd³ □ -Used with weights up to 2,700 lb/yd³

GUIDELINES FOR MATCHING ESCO BUCKETS WITH APPLICATIONS

SE STANDARD DUTY PLATE BUCKET	STANDARD DUTY PLATE BUCKET	HEAVY DUTY PLATE BUCKET	HEAVY DUTY CAST BUCKET	DITCH CLEANING BUCKET
• Truck loading. • Mass excavation. • General excavation in sandy soil containing little gravel.	• General purpose. • Truck loading. • Mass excavation. • General excavation in loam, soils, or soils containing very little rock.	• General excavation in compact soils or dense clay. • Excavation in gravel or loosely embedded to moderate rock conditions.	• Shot rock conditions. • Tough and abrasive excavating.	• General ditch cleanout. • Very light excavating in loam or sandy soils.

STANDARD EQUIPMENT

- Air cleaner, double element
- Alternator, **70A**
- Auto warm-up
- Auto deceleration
- Batteries, **2 x 12V/150Ah**
- Boom holding valve
- Cab which includes: antenna, ashtray, cigarette lighter, floor mat, front windshield washer, storage box, suspension seat, seat belt, and AM/FM radio.
- Controls, wrist type
- Counterweight, **19,600 lb** 8890 kg
- Dust proof net for radiator
- Electronic controller
- Guard, Fan
- Heater/defroster, **39,400 BTU**
- Inline filter
- Light, 1 front (RH)
- Overheat prevention
- Power max
- Pump/engine room partition
- Rear view mirror (RH & LH)
- Shoes, **27.6"** 700 mm triple grouser
- Starting motor, **11 kW**
- Speed down system
- Swing parking brake
- Swing priority mode
- Turbocharger cover
- Track, guiding guard
- Travel alarm
- Vandalism protection locks

OPTIONAL EQUIPMENT

- Air conditioner, **20,000 BTU**
- Arm holding valve
- Cab front window guard
- Counterweight deletion
- High altitude area spec
- Hydraulic control unit (for breaker)
- Refueling pump
- Service valves (up to three)
- Shoes
  - **23.6"** 600 mm triple grouser
  - **31.5"** 800 mm triple grouser
  - **35.4"** 900 mm triple grouser
- Storage, Hot/Cold
- SE boom and arm
- Track roller guards (full length)
- Undercover
- Boom assembly
  - **23' 2"** 7000 mm
  - **23' 2"** 7000 mm with piping
- Arm assembly
  - **7' 10"** 2400 mm
  - **9' 6"** 2900 mm
  - **9' 6"** 2900 mm with piping
  - **11' 1"** 3380 mm
  - **11' 1"** 3380 mm with piping
  - **13' 1"** 4000 mm
  - **15' 9"** 4800mm

Sold only with bucket:

- Lug bushing
- Play adjustment mechanism

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