

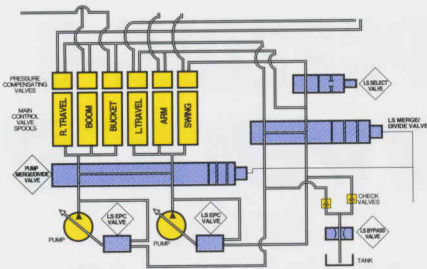
KOMATSU
PC220LC-6
AVANCE
series
HYDRAULIC
EXCAVATOR



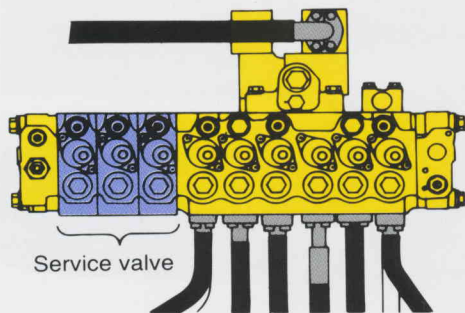
Flywheel Horsepower:
158HP 118kW @ 2300RPM
Operating Weight:
53,200 lb 24130 kg
Bucket Capacity Range:
0.75-1.75 yd³ 0.57-1.34 m³

Photos shown may include optional equipment.

KOMATSU

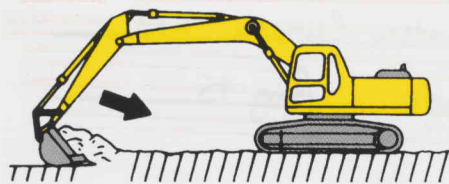


Avance is the next generation of excavator development from Komatsu. This machine provides the most productive and economical excavator on the market today. **HydraMind** is a closed center hydraulic system designed with four Komatsu exclusive valves, which furnishes the *Avance* operator with greater control and greater responsiveness. Operations are smoother because the *LS Bypass Valve* reduces hydraulic surge pressures. Cycle times and fuel efficiency have been increased with the use of the *Pump Merge Divide Valve*. The *LS Select Valve* is used to match the pump merge divide valve operations to reduce travel shock and maintain greater swing speeds. Finally, the *LS EPC Valve* has been added to make swing speed proportional to engine rpm, thereby increasing the overall efficiency of the hydraulic system. With this hydraulic system an *Avance* operator experiences less fatigue and greater control, because the work equipment responds directly to the controllers.



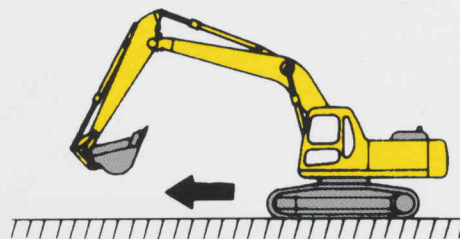
ADD ON SERVICE VALVES

As your needs expand so can your *Avance* excavator. With the HydraMind system up to three service valves can be quickly and easily added to the main valve body. This allows the *Avance* excavator to adapt to all your future demands.



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 application at hand. **H/O Mode** is designed for heavy-duty digging operations. This mode provides the power to dig through tough conditions while maintaining fast cycle times. **G/O Mode** is for general digging operations and combines fast cycle times with excellent fuel economy. **F/O Mode** is for finishing operations where smooth movement is most desired. **L/O Mode** is designed for heavy lifting operations. With this mode pressures are increased and speed is reduced to provide the operator with smooth, powerful lifting. **B/O Mode** is new for the *Avance* excavator and is used for breakers. This mode allows the flow and pressure to be preset to the specifications of the breaker manufacturer.

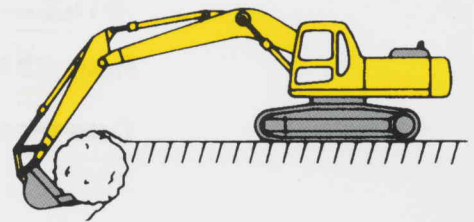


TRAVEL SPEEDS

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

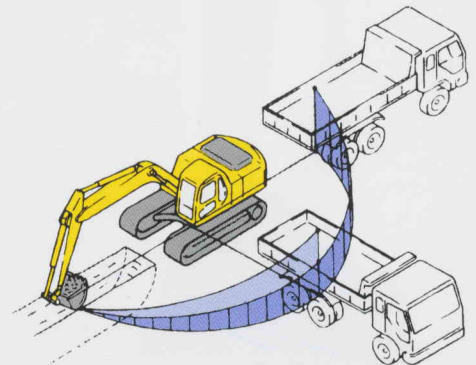
AUTOMATIC DECELERATION

This feature reduces engine speed when the controls are in neutral for over four seconds, enabling the operator to conserve fuel and quiet operations while waiting for trucks. This feature, however, can be turned off should the operator require full engine power at all times.



LEVER SWITCH

This feature is used in conjunction with the joystick switch to select either the "Power Up" or "Speed Down" functions in the H/O or G/O modes. **Power UP mode** will increase implement force by 9% for 8.5 seconds when the joystick button is pressed. This gives the excavator a burst of power to break through tough digging operations while maintaining excellent cycle times and fuel economy. **Speed Down mode** will decrease system oil flow by one level while increasing implement force by 9% for as long as the joystick button is pressed. This allows the operator to perform delicate operations easily while maintaining full power. If this mode is desired for long periods of time, the L/O mode can be selected and the precision with increased power will be available at all times.



SWING ACCEL

The swing accel function is designed to control boom and swing speeds to provide optimum responses for the desired loading angle. If "Swing Accel" is off, oil flow to the boom is increased, making 90° loading operations most efficient. Selecting "Swing Accel" will increase oil flow to the swing motor, making 180° loading operations most efficient. As a result, operators can use the same easy motions for 180° loading as they do for 90° loading.

LARGE LIFT CYLINDERS

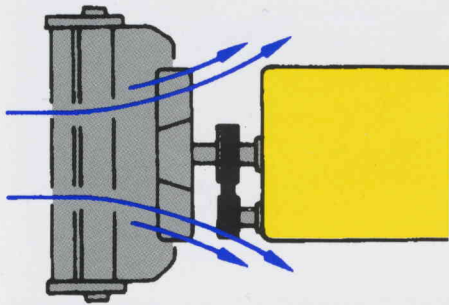
Large lift cylinders have been incorporated into this excavator to provide the operator with all the lifting power necessary for any application.

Comfortable Cab



CAB

The *Avance* cab design has increased the cab volume to provide a more spacious and comfortable working environment. Visibility has been enhanced with additional window area and by attaching the windshield wiper to the cab, away from the operator's line of view. The remote wiper also enables the windshield to be raised and lowered easily, because no wires need to be connected or disconnected and the weight of the windshield is reduced. Side visibility has been improved by adding glass to the lower half of the door. Upward visibility is increased by installing a larger, forward mounted ceiling hatch which eliminates the upper cross bar. Ventilation has been improved with the larger, fresh air intake air system and by providing additional vents through the cab. Finally, two storage compartments are installed behind the operator's seat for personal items and for hot/cold items.



NOISE

The noise levels at the operator's ears have been decreased to as low as 70dBA, by improving the door and seals for the cab and engine compartment. In addition, a mixed-flow fan has been added to reduce fan speed and channel air around the engine, thereby reducing wind noise which had been created by the fan.



SEAT

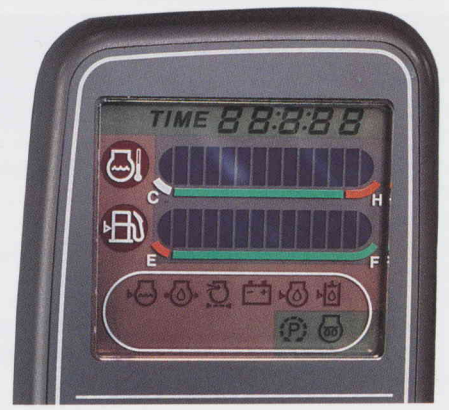
The operator will experience less fatigue during long days with the redesigned, tiltable, semi-bucket seat. This seat utilizes a highly elastic, non-deforming urethane foam which will hold its shape, while the cloth cover provides excellent ventilation for unsurpassed comfort. The dual tilt mechanism allows the operator to conform the seat to their specific posture and size for reduced fatigue and greater visibility.



CONTROLS

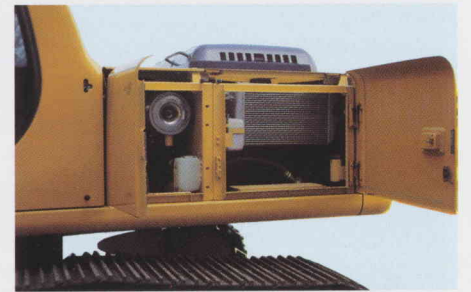
The multiple position, pressure proportional control levers allow the operator to work in comfort while maintaining complete accuracy. A double slide mechanism allows the seat and controllers to move together or the seat can move independently. This allows the operator to position the controllers for maximum comfort. The multi-position monitor is easily reached and can be rotated to remove all glare. And the incline dashboard makes the switches and fuel control dial easier to view and use.

Service



SELF-DIAGNOSTICS WITH MEMORY

The *Avance* series is equipped with an on board self-diagnostic system which is displayed through the time display in the monitor. This diagnostic system can generate information for current operating conditions and historical abnormalities. During regular operations the operator can check the current machine conditions. However, should serious abnormalities occur the system will display a warning and in some cases an alarm will sound. For historical data, the system can track up to 20 deviations over the past 999 hours. This will enable the service team to perform a quick diagnosis and reduce down time.



ACCESSIBLE SERVICE LOCATIONS

Fluid checks are easier and can be performed from ground level with the new locations of the radiator and windshield washer bottles. Also, oil changes have been made simpler with the new drain valve and improved locations of the filter. The bolt-type adjustment for the alternator makes fan belt tension adjustment almost effortless. And the *Avance* series monitor contains an air cleaner indicator light, which alerts the operator to change the element to ensure that the machine is always running at its maximum efficiency.

HINGED OIL COOLER

With the addition of a hinged oil cooler, cleaning the oil cooler and radiator is simpler and less time consuming. In addition, cleaning is more thorough and the radiator maintains its efficiency.

PC220LC-6 SPECIFICATIONS



ENGINE

Model Komatsu SA6D95L
 Type 4 cycle, water-cooled, direct-injection
 Aspiration Turbocharged and aftercooled
 No. of cylinders 6
 Bore **3.74"** 95 mm
 Stroke **4.53"** 115 mm
 Piston displacement **298 cu. in.** 4.89 ltr.
 Flywheel horsepower:
 (SAE J1349) **158 HP** 118 kW at **2300 RPM**
 (DIN 6270 NET) **160 PS** 118 kW at **2300 RPM**
 Governor All-speed, mechanical



HYDRAULIC SYSTEM

Type HydraMind (Hydraulic Mechanical Intelligence New Design) system 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 57 gpm** 2 x 215 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 with swing holding brake
 Relief valve setting:
 Implement circuits **4,620 PSI** 325 kg/cm²
 Travel circuit **5,050 PSI** 355 kg/cm²
 Swing circuit **3,980 PSI** 280 kg/cm²
 Pilot circuit **430 PSI** 30 kg/cm²
 Service valve **3,980 PSI** 280 kg/cm²
 Hydraulic cylinders:
 Number of cylinders – bore x stroke
 Boom 2 – **5.5" x 49.8"** 140 mm x 1265 mm
 Arm 1 – **5.5" x 64.4"** 140 mm x 1635 mm
 Bucket 1 – **5.1" x 40.2"** 130 mm x 1020 mm
 Service valve maximum flow:
 First valve **114 gpm** 430 ltr.
 Second valve **57 gpm** 215 ltr.
 Third valve **57 gpm** 215 ltr.



SWING SYSTEM

Driven by Hydraulic motor
 Swing reduction Planetary double reduction
 Swing circle lubrication Grease-bathed
 Swing lock Oil disc brake
 Swing speed 11.5 RPM



DRIVES & BRAKES

Steering control Two levers with pedals
 Drive method Fully hydrostatic type
 Travel motor Axial piston motor, in-shoe design
 Reduction system Planetary double reduction
 Max. drawbar pull **39,020 lb.** 17700 kg
 Max. travel speed (High) **3.4 MPH** 5.5 km/h
 Max. travel speed (Mid) **2.6 MPH** 4.1 km/h
 Max. travel speed (Low) **1.9 MPH** 3.0 km/h
 Service brake Hydraulic lock type
 Parking brake Oil disc brake



UNDERCARRIAGE

Center frame X-frame
 Track frame Box-section type
 Seal of track Sealed track
 Track adjuster Hydraulic type
 No. of shoes 51 each side
 No. of carrier rollers 2 each side
 No. of track rollers 10 each side



COOLANT & LUBRICANT CAPACITY (refilling)

Fuel tank **81.9 U.S. gal** 310 ltr.
 Radiator **6.0 U.S. gal** 22.8 ltr.
 Engine **5.9 U.S. gal** 22.5 ltr.
 Final drive, each side **1.5 U.S. gal** 5.5 ltr.
 Swing drive **1.8 U.S. gal** 6.8 ltr.
 Hydraulic tank **43.9 U.S. gal** 166 ltr.



OPERATING WEIGHT (approximate)

Operating weight, including **19'2"** 5850 mm one-piece boom, **10'0"** 3000 mm arm, SAE heaped **1.25 yd³** 0.96 m³ back-hoe bucket, operator, lubricant, coolant and full fuel tank and the standard equipment.

Triple-grouser shoes	PC220LC-6	
	Operating weight	Ground pressure
23.6" 600 mm	52,560 lb 23840 kg	6.83 PSI 0.48 kg/cm ²
27.6" 700 mm	53,200 lb 24130 kg	5.97 PSI 0.42 kg/cm ²
31.5" 800 mm	56,680 lb 25710 kg	5.40 PSI 0.38 kg/cm ²

STANDARD EQUIPMENT

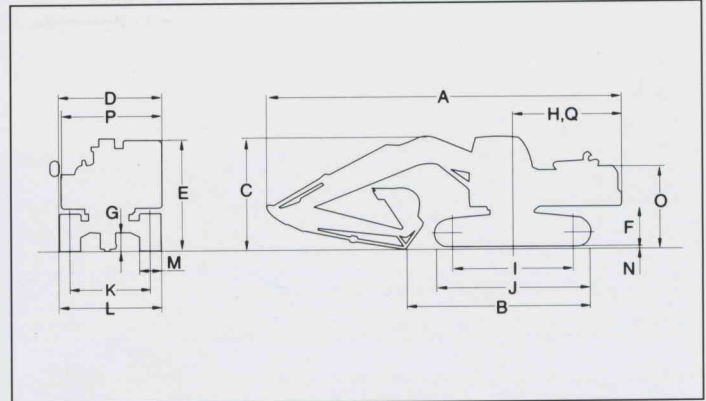
- Air cleaner, double element
- Alternator, 30A
- Auto de-airation system for fuel line
- Batteries, 2x12V/170Ah
- Boom holding valve
- Cab which includes: antenna; ashtray; cigarette lighter; floor mat; front windshield wiper and washer; heater (2000kcal)/defroster; luggage and magazine box; seat, fully adjustable with suspension, double slide mechanism and seat belt; window guard (RH)
- Corrosion resistor
- Cooling fan, mixed flow with fan guard
- Counter Weight, **10,440 lb** 4730 kg
- Dust proof net for radiator and oil cooler
- Electronic monitor
- Fuel tank sight gauge protection
- Hinged oil cooler
- Hydraulic Control:
 - Auto-deceleration
 - Auto engine warm-up
 - Engine overheat prevention
- Power maximizing system
- Speed down system
- Swing/boom priority selection
- Working mode selection
- In-line filter
- Pump/engine room partition cover
- Rear view mirror (RH & LH)
- Shoes, **27.6"** 700mm, Triple grouser
- Starting Motor, 5.5 kW
- Turbocharger exhaust manifold cover
- Travel alarm



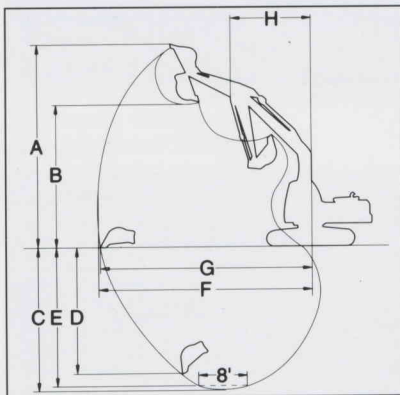
DIMENSIONS

	6'8" 2.0 m arm	8'2" 2.5 m arm	10'0" 3.0 m arm	11'6" 3.5 m arm
A Overall length	32'1" 9780 mm	32'3" 9840 mm	32'1" 9780 mm	32'2" 9800 mm
B Length on ground (transport)	21'8" 6610 mm	20'3" 6160 mm	17'8" 5390 mm	16'10" 5120 mm
C Overall height (to top of boom)	10'3" 3125 mm	10'9" 3280 mm	10'4" 3160 mm	10'9" 3275 mm

	PC220LC-6
D Overall width	10'9" 3280 mm
E Overall height (to top of cab)	9'6" 2905 mm
F Ground clearance, counterweight	3'7" 1085 mm
G Min. ground clearance	1'5" 440 mm
H Tail swing radius	9'5" 2860 mm
I Length of track on ground	12'7" 3830 mm
J Track length	15'3" 4640 mm
K Track gauge	8'6" 2580 mm
L Width of crawler	10'9" 3280 mm
M Shoe width	28" 700 mm
N Grouser height	1" 26 mm
O Machine cab height	6'8" 2020 mm
P Machine cab width	8'11" 2710 mm
Q Distance, swing center to rear end	9'4" 2850 mm



WORKING RANGE & BUCKET/ARM COMBINATION



	6'8" 2.0 m arm	8'2" 2.5 m arm	10'0" 3.0 m arm	11'6" 3.5 m arm
A Max. digging height	29'9" 9070 mm	30'0" 9150 mm	30'9" 9380 mm	31'7" 9620 mm
B Max. dumping height	20'1" 6120 mm	20'5" 6215 mm	21'5" 6515 mm	22'1" 6720 mm
C Max. digging depth	18'9" 5720 mm	20'5" 6220 mm	22'3" 6770 mm	23'8" 7220 mm
D Max. vertical wall digging depth	16'3" 4955 mm	17'11" 5455 mm	19'8" 6005 mm	21'2" 6455 mm
E Max. digging depth of cut for 8' level	18'3" 5550 mm	20'3" 6170 mm	21'2" 6440 mm	23'8" 7210 mm
F Max. digging reach	30'6" 9285 mm	31'8" 9655 mm	33'5" 10180 mm	34'10" 10625 mm
G Max. digging reach at ground	29'10" 9090 mm	31'1" 9470 mm	32'10" 10000 mm	34'4" 10460 mm
H Min. swing radius	13'0" 3950 mm	12'11" 3925 mm	12'8" 3860 mm	12'9" 3890 mm
Bucket digging force [☆]	36,820 lb* 16700 kg	31,970 lb 14500 kg	31,970 lb 14500 kg	31,970 lb 14500 kg
Arm crowd force [☆]	32,410 lb 14700 kg	29,980 lb 13600 kg	26,230 lb 11900 kg	22,710 lb 10300 kg

[☆]At power max.

[☆]Optional bucket cylinder is required.

BACKHOE BUCKET AND ARM COMBINATION

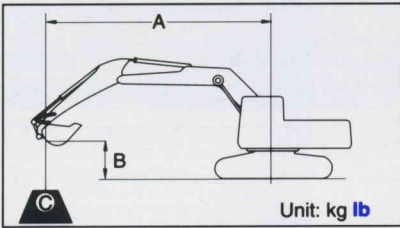
BUCKET TYPE	CAPACITY	WIDTH OUTSIDE LIP	WEIGHT	# TEETH	ARMS			
					6'8" 2.0 m	8'2" 2.5 m	10'0" 3.0 m	11'6" 3.5 m
ESCO STANDARD PLATE	0.75 yd ³ 0.57 m ³	24" 610 mm	1429 lb 648 kg	4	○	○	○	○
	1.00 yd ³ 0.76 m ³	30" 762 mm	1595 lb 723 kg	4	○	○	○	○
	1.25 yd ³ 0.96 m ³	36" 914 mm	1757 lb 797 kg	5	○	○	○	□
	1.50 yd ³ 1.15 m ³	42" 1067 mm	1921 lb 871 kg	5	○	○	□	X
	1.75 yd ³ 1.34 m ³	48" 1219 mm	2050 lb 930 kg	5	○	□	△	X
ESCO HEAVY DUTY PLATE	0.75 yd ³ 0.57 m ³	24" 610 mm	1803 lb 818 kg	3	○	○	○	○
	1.00 yd ³ 0.76 m ³	30" 762 mm	2048 lb 929 kg	4	○	○	○	○
	1.25 yd ³ 0.96 m ³	36" 914 mm	2234 lb 1013 kg	4	○	○	○	□
	1.50 yd ³ 1.15 m ³	42" 1067 mm	2480 lb 1125 kg	5	○	○	□	X
	1.75 yd ³ 1.34 m ³	48" 1219 mm	2668 lb 1210 kg	5	○	□	△	X
ESCO HEAVY DUTY CAST	0.62 yd ³ 0.47 m ³	24" 610 mm	1763 lb 800 kg	3	○	○	○	○
	0.88 yd ³ 0.67 m ³	30" 762 mm	2009 lb 911 kg	4	○	○	○	○
	1.00 yd ³ 0.76 m ³	33" 838 mm	2128 lb 965 kg	4	○	○	○	□
	1.25 yd ³ 0.96 m ³	39" 991 mm	2266 lb 1028 kg	4	○	○	○	□
ESCO DITCH CLEANING	1.25 yd ³ 0.96 m ³	60" 1524 mm	1674 lb 759 kg	○	+	+	+	+
	1.50 yd ³ 1.15 m ³	72" 1829 mm	1747 lb 792 kg	○	+	+	+	+

○ -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 + -Light duty applications only

GUIDELINES FOR MATCHING ESCO BUCKETS WITH APPLICATIONS

STANDARD DUTY PLATE BUCKET	HEAVY DUTY PLATE BUCKET	HEAVY DUTY CAST BUCKET	DITCH CLEANING BUCKET
<ul style="list-style-type: none"> General purpose. Truck loading. Mass excavation. General excavation in loam soil, sandy soils or soils containing very little rock. 	<ul style="list-style-type: none"> General excavation in compact soils or dense clay. Excavation in gravel or loosely embedded to moderate rock conditions. 	<ul style="list-style-type: none"> Shot rock conditions. Touch and abrasive excavating. 	<ul style="list-style-type: none"> General purpose ditch cleanout. Very light excavating in loam or sandy soils.

LIFTING CAPACITY



- Equipment:
- Boom: **19'2"** 5850 mm
 - Bucket: **1.25 yd³** 0.96 m³
 - Shoes: **31.5"** 800 mm
 - Power Max: ON

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

PC220LC-6 Arm: 6'7" 2000 mm

Unit: lb kg

B \ A	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													*10700	*10700
													4850	4850
20' 6.1 m							*13000	12600					*10000	*10000
							5900	5700					4500	4500
15' 4.6 m					*16800	*16900	*14600	12200	*10100	8200			*9900	8100
					7650	7650	6600	5550	4550	3700			4600	3700
10' 3.0 m					*22700	18200	*17200	11600	12800	8000			*10400	7900
					10260	8250	7800	5250	5800	3600			4700	3300
5' 1.5 m					*27800	16900	18000	11000	12500	7700			*11300	7000
					12600	7700	8150	5000	5700	3500			5150	3150
0' 0.0 m					28400	16400	17500	10500	12800	7600			11700	7200
					12900	7400	7950	4800	5800	3400			5300	3250
-5' -1.5 m			*26300	26300	28400	16300	17400	10600					13100	8000
			11950	11950	12850	7400	7900	4760					5850	3600
-10' -3.0 m			*42600	33900	28800	16600	17700	10700					18400	10000
			19300	15400	13050	7550	8000	4850					7450	4550
-15' -4.6 m					*24100	17500								
					10950	7950								

*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.

PC220LC-6 Arm: 8'2" 2500 mm

Unit: lb kg

B \ A	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							*11300	*11300					*10300	*10300
							5100	5100					4650	4650
20' 6.1 m							*11600	*11600					*9700	9100
							5250	5250					4400	4150
15' 4.6 m							*13400	12600	*13000	8400			*9700	7600
							6100	5700	5900	3850			4400	3450
10' 3.0 m					*20800	18000	*16200	11900	13000	8200			*10200	6800
					9450	8550	7350	5400	5900	3700			4650	3100
5' 1.5 m					*26600	17500	18300	11300	12700	7900			10600	6600
					12000	7950	8300	5100	5750	3600			4800	2950
0' 0.0 m					28900	16700	17800	10800	12800	7800			10900	6700
					13100	7600	8050	4900	5650	3450			4950	3050
-5' -1.5 m			*25400	*25400	28300	16500	17600	10600	12400	7800			12000	7400
			11500	11500	12950	7500	7950	4800	5600	3450			5450	3360
-10' -3.0 m	*27300	*27300	*41200	34000	28800	16700	17600	10700					14600	8900
	12400	12400	18700	15400	13060	7550	8000	4850					6600	4060
-15' -4.6 m			*39000	35000	*26900	17300							21600	13100
			17700	15900	12200	7850							9800	5950

*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.

PC220LC-6 Arm: 10'0" 3000 mm

Unit: lb kg

B \ A	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													*6400	*6400
													2900	2900
20' 6.1 m									*8600	*8600			*6100	*6100
									3900	3900			2750	2750
15' 4.6 m							*11900	*11900	*11800	8600			*6100	*6100
							5400	5400	5350	3900			2750	2750
10' 3.0 m			*28800	*28800	*18500	*18500	*14900	12100	13200	8300			*6400	6100
			13050	13050	8400	8400	6750	5500	5950	3760			2900	2800
5' 1.5 m					*24600	17800	*18100	11500	12800	8000			*6900	6000
					11150	8150	8200	5200	5800	3600			3150	2700
0' 0.0 m			*15900	*15900	*28000	17000	17900	10900	12500	7700			*7900	6000
			7200	7200	13150	7700	8100	4950	5650	3500			3550	2700
-5' -1.5 m	*14000	*14000	*23400	*23400	28700	16600	17500	10600	12300	7500			*9500	6500
	6350	6350	10600	10600	13000	7500	7950	4800	5600	3400			4300	2950
-10' -3.0 m	*22700	*22700	*34500	33700	28700	16800	17500	10500					12600	7900
	10300	10300	15550	15300	13000	7600	7950	4800					5700	3600
-15' -4.6 m			*42200	34600	*28800	17000	17900	10900					17100	10600
			19150	15700	13060	7700	8100	4950					7750	4750

*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.

PC220LC-6 Arm: 11'6" 3500 mm

Unit: **lb kg**

B \ A	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													*5300 2400	*5300 2400
20' 6.1 m									*8700 3950	*8700 3950			*5000 2300	*5000 2300
15' 4.6 m									*10700 4860	8700 3950			*5000 2300	*5000 2300
10' 3.0 m					*16300 7400	*16300 7400	*13600 6150	12300 5600	*12300 5600	8400 3800	*7100 3250	5900 2700	*5300 2400	*5300 2400
5' 1.5 m			*20400 9250	*20400 9250	*22700 10300	18200 8250	*16900 7700	11600 5250	12800 5800	8000 3650	*8500 3850	5800 2600	*5700 2600	5400 2450
0' 0.0 m			*17500 7950	*17500 7950	*27700 12550	17100 7750	17900 8150	10900 4950	12600 5650	7700 3500	*7700 3500	5600 2550	*6500 2950	5500 2500
-5' -1.5 m	*13100 5950	*13100 5950	*22700 10300	*22700 10300	28800 13000	16800 7600	17400 7900	10500 4800	12200 5550	7500 3400			*7800 3560	5800 2700
-10' -3.0 m	*20400 9250	*20400 9250	*31500 14300	*32800 14900	28500 12900	16400 7450	17400 7900	10500 4750	12200 5550	7400 3350			*10100 4600	6900 3100
-15' -4.6 m	*29500 13400	*29500 13400	*44200 20050	34000 15450	28800 13100	16700 7550	17600 8000	10700 4850					14700 6650	9000 4050


*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.

OPTIONAL EQUIPMENT

- Air conditioner with heater (3700kcal), fresh air type, includes cool and hot box
- Arm holding valve
- Fuel refill pump
- Front window guard, full length
- Large capacity heater (17,856 BTU/4500kcal)
- Hydraulic control unit
 - 1 additional actuator
 - 2 additional actuators
 - 3 additional actuators
- Swing back reducing valve
- Track roller guards, full length
- Under cover for track frame center
- Arm
 - **6'8"** 2.0 m
 - **6'8"** 2.0 m with piping
 - **8'2"** 2.5 m
 - **8'2"** 2.5 m with piping
 - **10'0"** 3.0 m
 - **10'0"** 3.0 m with piping
- **11'6"** 3.5 m
- **11'6"** 3.5 m with piping
- Boom, one piece
 - **19'2"** 5.85 m
 - **19'2"** 5.85 m, heavy-duty with piping
- Shoes, triple grouser
 - **23.6"** 600 mm
 - **31.5"** 800 mm



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