

PC200-6
Custom

KOMATSU

NET HORSEPOWER
128 HP 96 kW

OPERATING WEIGHT
43,880 - 46,720 lb
19900 - 21192 kg



HYDRAULIC EXCAVATOR

PC200-6 Custom

PC200-6 CUSTOM SPECIFICATIONS



ENGINE

Model Komatsu S6D102E-1
 Type 4 cycle, water-cooled, direct-injection
 Aspiration Turbocharged
 No. of cylinders 6
 Bore **4.02"** 102 mm
 Stroke **4.72"** 120 mm
 Piston displacement **359 in³** 5.88 ltr.
 Rated gross horsepower:
135 HP 105 kW at **2000 RPM** (SAE J1349)
 Flywheel horsepower:
128 HP 96 kW at **2000 RPM** (SAE J1349)
 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 59.7 gpm** 2 x 226 ltr./min.
 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
 up to **4,620 PSI** 325 kg/cm²
 Travel circuit **5,050 PSI** 355 kg/cm²
 Swing circuit **3,980 PSI** 280 kg/cm²
 Pilot circuit **540 PSI** 38 kg/cm²
 Service valve up to **4,190 PSI** 295 kg/cm²
 Hydraulic cylinders:
 Number of cylinders – bore x stroke
 Boom 2 – **5.1" x 50.6"** 130 mm x 1285 mm
 Arm 1 – **5.3" x 58.7"** 135 mm x 1490 mm
 Bucket 1 – **4.5" x 44.1"** 115 mm x 1120 mm
 Service valves maximum flow:
 First valve **119.4 gpm** 452 ltr./min.
 Second valve **59.7 gpm** 226 ltr./min.
 Third valve **59.7 gpm** 226 ltr./min.



DRIVES & BRAKES

Steering control Two levers with pedals
 Drive method Fully hydrostatic
 Travel motor Axial piston motor, in-shoe design
 Reduction system Planetary double reduction
 Max. drawbar pull **39,020 lb** 17700 kg
 Gradability 70%
 Max. travel speed (Mid) **2.3 MPH** 3.8 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 brake
 Swing speed 12.4 RPM
 Swing torque **50,630 lb** 22965 kg



UNDERCARRIAGE

Center frame X-frame
 Track frame Box-section type
 Seal of track Sealed track
 Track adjuster Hydraulic type
 No. of shoes 45 each side
 No. of carrier rollers 2 each side
 No. of track rollers 7 each side



COOLANT & LUBRICANT CAPACITY (refilling)

Fuel tank **89.8 U.S. gal** 340 ltr.
 Radiator **5.9 U.S. gal** 22.2 ltr.
 Engine **6.3 U.S. gal** 24.0 ltr.
 Final drive, each side **1.1 U.S. gal** 4.2 ltr.
 Swing drive **1.5 U.S. gal** 5.5 ltr.
 Hydraulic tank **43.9 U.S. gal** 166 ltr.



OPERATING WEIGHT (approximate)

Operating weight, including **18'8"** 5700 mm one-piece boom, **9'7"** 2925 mm arm, SAE heaped **1.00 yd³** 0.76 m³ back-hoe bucket, operator, lubricant, coolant, full fuel tank, and the standard equipment.

Triple-Grouser Shoes	PC200-6	
	Operating Weight	Ground Pressure
23.6" 600 mm	43,880 lb 19900 kg	6.68 PSI 0.47 kg/cm ²
27.6" 700 mm	44,430 lb 20150 kg	5.83 PSI 0.41 kg/cm ²
31.5" 800 mm	44,980 lb 20400 kg	5.12 PSI 0.36 kg/cm ²
Maximum Weight	46,720 lb 21192 kg	5.32 PSI 0.37 kg/cm ²

Maximum weight also includes **18'8"** 5700 mm HD boom, **13'4"** 4000 mm arm and a **0.75 yd³** 0.57 m³ HDP bucket.

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HYDRAULIC EXCAVATOR



STANDARD EQUIPMENT

Engine and its related items:

- Air cleaner, double element dry type
- Cooling fan, suction, plastic blade, mixed flow, with fan guard
- Engine, Komatsu S6D102E-1, **128 HP** (96KW) / 2000 RPM, turbocharged, direct injection, emission certified, diesel

Electrical system:

- Alternator, 50 Ampere, (24V)
- Batteries, 2 x 12V, 170AH
- Light, 1 front (RH)
- Starting motor, 5.5 KW

Undercarriage:

- **23.6"** (600 mm) triple grouser shoes with sealed (dry) link assembly (each side)
- 7 track / 2 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
- Low noise machine cover
- Pump / engine room partition cover
- Revolving frame under cover
- Turbocharger exhaust manifold cover

Operator environment:

- Cab, all weather sound suppression type with tinted safety glass windows, pull-up type front window with lock device, removable lower windshield, large ceiling hatch, lockable door, wiper and washer, floor mat, cigarette lighter, ashtray, heater (13,100 BTU), antenna and brackets for glass protector
- Handrails for machine cab
- Instrument panel with throttle lever, gauges (coolant temp and fuel level), caution lights (electric charge, engine and oil pressure), indicator swing lock light, level check light (engine oil)
- Rearview mirror, LH
- Seat, fully adjustable with suspension
- Seat Belt, **3"** width

Hydraulic controls:

- HydraMind system, full hydrostatic with closed center load sensing (CLSS) and engine sensing (Pump and engine mutual control system) with high working mode
- 1 axial piston motor for swing with single stage relief valve
- 2 axial piston motor for travel with counter balance valve
- 2 variable capacity piston pump
- 6 spools control valve (boom, arm, bucket, swing, right travel, left travel)
- Boom holding valve
- Control levers, wrist control levers for arm, boom, bucket and swing with PPC system
- Control levers for steering and travel with PPC system
- In-line filter

Drive and brake system:

- Brakes, hydraulic lock type travel brakes, oil disk type parking and swing holding brake
- Hydrostatic, 1 travel speed system with planetary double reduction type final drive

Special arrangements:

- Cold area arrangement, **-22°F** (-30°C) through **+113°F** (45°C) at sea level

Other Standard Equipment:

- Automatic de-aeration system for fuel line
- Automatic swing holding brake
- Corrosion resister
- Counterweight, **8,260 lb** (3750 kg)
- Horn, electric
- Marks and plates, English
- Paint, Komatsu standard
- Travel alarm
- Vandalism protection locks

*Does not include arm, boom, bucket, or service valve.



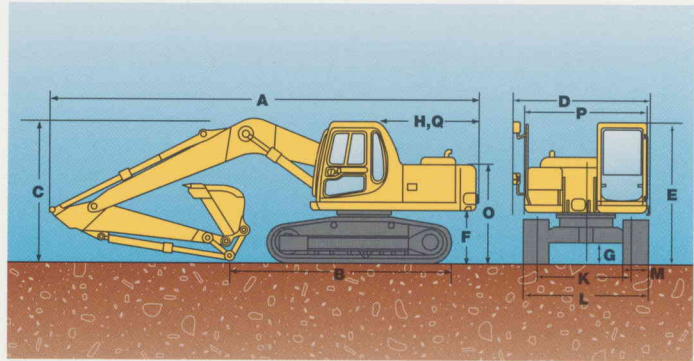
OPTIONAL EQUIPMENT

- Air conditioner with heater, **17,100/19,850 BTU** 4300/5000 kcal, fresh air type, includes cool and hot box
- Arm
 - 5'11" 1.8 m
 - 5'11" 1.8 m with piping
 - 7'11" 2.4 m
 - 7'11" 2.4 m with piping
 - 9'7" 2.9 m
- Arm, continued
 - 9'7" 2.9 m with piping
 - 3'8" 1.13 m arm extension
- Arm holding valve
- Boom, one piece
 - 18'8" 5.7 m
 - 18'8" 5.7 m, heavy-duty with piping
- Fuel refill pump
- Hydraulic control unit
 - 1 additional actuator
 - 2 additional actuators
 - 3 additional actuators
- Shoes, triple grouser
 - 23.6" 600 mm
 - 31.5" 800 mm
 - 27.6" 700 mm
- Swing-back reducing valve



DIMENSIONS

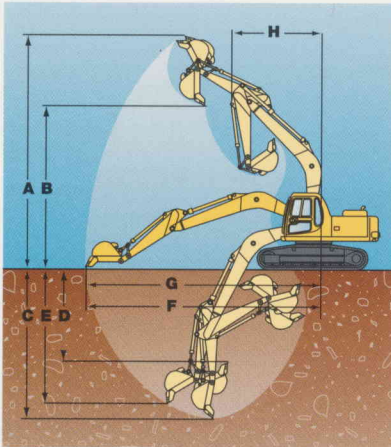
	5'11" 1.8 m arm	7'11" 2.4 m arm	9'7" 2.9 m arm	**13'4" 4.0 m arm
A Overall length	31'2" 9510 mm	31'1" 9485 mm	30'11" 9425 mm	30'11" 9425 mm
B Length on ground (transport)	20'7" 6280 mm	18'7" 5670 mm	15'10" 4830 mm	13'6" 4120 mm
C Overall height (to top of boom)	9'10" 2985 mm	10'5" 3170 mm	9'9" 2970 mm	10'5" 3170 mm
D Overall width	9'5" 2880 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	9'1" 2780 mm			
I Length of track on ground	10'9" 3270 mm			
J Track length	13'5" 4080 mm			
K Track gauge	7'2" 2180 mm			
L Width of crawler	9'5" 2880 mm			
M Shoe width	28" 700 mm			
N Grouser height	1" 26 mm			
O Machine cab height	6'8" 2020 mm			
P Upper structure width	8'11" 2710 mm			
Q Distance, swing center to rear end	9'0" 2740 mm			



**3'8" 1.13 m Extension arm +9'7" 2.93 m arm



WORKING RANGE & BUCKET/ARM COMBINATION



	5'11" 1.8 m arm	7'11" 2.4 m arm	9'7" 2.9 m arm	13'4" 4.0 m**arm
A Max. digging height	29'2" 8895 mm	29'8" 9050 mm	30'6" 9305 mm	31'10" 9700 mm
B Max. dumping height	19'11" 6065 mm	20'6" 6255 mm	21'3" 6475 mm	22'10" 6970 mm
C Max. digging depth	18'2" 5535 mm	20'0" 6095 mm	21'9" 6620 mm	25'4" 7725 mm
D Max. vertical wall digging depth	16'3" 4965 mm	17'5" 5315 mm	19'7" 5980 mm	23'3" 7075 mm
E Max. digging depth of cut for 8' level	16'11" 5160 mm	19'2" 5840 mm	21'1" 6435 mm	24'11" 7590 mm
F Max. digging reach	29'3" 8915 mm	30'10" 9395 mm	32'5" 9875 mm	35'8" 10880 mm
G Max. digging reach at ground	28'7" 8720 mm	30'2" 9205 mm	31'10" 9700 mm	35'1" 10705 mm
H Min. swing radius	11'11" 3640 mm	12'2" 3710 mm	11'11" 3630 mm	11'11" 3630 mm
Bucket digging force [☆]	32,850 lb* 14900 kg	28,000 lb 12700 kg	28,000 lb 12700 kg	28,000 lb 12700 kg
Arm crowd force	29,100 lb 13200 kg	25,800 lb 11700 kg	22,050 lb 10000 kg	18,080 lb 8200 kg

[☆]At power max

*Optional bucket cylinder is required

**3'8" 1.13 m Extension arm +9'7" 2.93 m arm



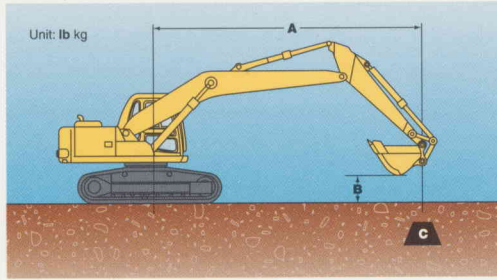
BACKHOE BUCKET AND ARM COMBINATION

BUCKET TYPE	CAPACITY	WIDTH OUTSIDE LIP	WEIGHT	TEETH	ARMS			
					5'11" 1.8 m	7'11" 2.4 m	9'7" 2.9 m	13'4" 4.0 m*
ESCO STANDARD PLATE	0.62 yd ³ 0.47 m ³	24" 610 mm	1,144 lb 519 kg	4	○	○	○	○+
	0.75 yd ³ 0.57 m ³	30" 762 mm	1,299 lb 589 kg	4	○	○	○	○+
	1.00 yd ³ 0.76 m ³	36" 914 mm	1,428 lb 648 kg	5	○	○	○	X
	1.25 yd ³ 0.96 m ³	42" 1067 mm	1,581 lb 717 kg	5	○	□	▲	X
	1.50 yd ³ 1.15 m ³	48" 1219 mm	1,678 lb 761 kg	5	○	□	X	X
ESCO HEAVY DUTY PLATE	0.62 yd ³ 0.47 m ³	24" 610 mm	1,372 lb 622 kg	4	○	○	○	○+
	0.75 yd ³ 0.57 m ³	30" 762 mm	1,531 lb 694 kg	4	○	○	○	○+
	1.00 yd ³ 0.76 m ³	36" 914 mm	1,724 lb 782 kg	5	○	○	○	X
	1.25 yd ³ 0.96 m ³	42" 1067 mm	1,881 lb 853 kg	5	○	□	▲	X
	1.50 yd ³ 1.15 m ³	48" 1219 mm	2,037 lb 924 kg	5	○	□	X	X
ESCO HEAVY DUTY CAST	0.62 yd ³ 0.47 m ³	24" 610 mm	1,415 lb 642 kg	4	○	○	○	○+
	0.75 yd ³ 0.57 m ³	29" 737 mm	1,520 lb 690 kg	4	○	○	○	○+
	0.88 yd ³ 0.67 m ³	35" 889 mm	1,722 lb 781 kg	5	○	○	○	X
ESCO DITCH CLEANING	0.62 yd ³ 0.47 m ³	48" 1219 mm	915 lb 415 kg		+	+	+	+
	0.88 yd ³ 0.67 m ³	60" 1524 mm	1,038 lb 471 kg		+	+	+	+

*Extension arm ○ - 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



LIFTING CAPACITY



- Equipment:
- Boom: **18'8"** 5700 mm
 - Bucket: **1.00 yd³** 0.76 m³
 - Shoes: **31.5"** 800 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

PC200-6 Arm: 5'11" 1800 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		⊗ MAX.	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
25'	7.6 m											*10,300	*10,300
												*4700	*4700
20'	6.1 m							*12,800	8,600			*9,500	7,500
								*5850	3900			*4300	3400
15'	4.6 m					*16,200	13,500	12,900	8,400			*9,400	6,000
						*7350	6100	5860	3800			*4250	2700
10'	3.0 m					19,800	12,300	12,400	7,900	8,600	5,400	8,400	5,300
						9000	5600	5600	3600	3900	2450	3800	2400
5'	1.5 m					18,700	11,300	12,000	7,500	8,400	5,200	8,100	6,000
						8500	5150	5400	3400	3800	2350	3700	2300
0'	0.0 m					18,300	10,900	11,600	7,200			8,400	6,200
						8300	4950	5260	3250			3800	2860
-5'	-1.5 m			*25,300	21,200	18,300	10,900	11,000	7,100			9,500	5,900
				*11450	9600	8300	4950	4990	3250			4300	2680
-10'	-3.0 m			*35,200	21,800	18,600	11,200					12,300	7,600
				*15950	9900	8450	5100					5600	3460

*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.

PC200-6 Arm: 7'11" 2400 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		⊗ MAX.	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
25'	7.6 m											*9,100	*9,100
												*4100	*4100
20'	6.1 m							*11,200	8,800			*8,500	6,500
								*5050	4000			*3850	2950
15'	4.6 m							*12,500	8,500	8,800	5,600	8,400	5,300
								*5700	3850	4000	2550	3800	2400
10'	3.0 m					*18,800	12,700	12,600	8,100	8,700	5,500	7,800	4,700
						*8550	5750	5750	3650	3950	2500	3450	2150
5'	1.5 m					19,100	11,700	12,100	7,800	8,400	5,300	7,300	4,500
						8650	5300	5500	3450	3850	2400	3300	2050
0'	0.0 m					18,400	11,100	11,700	7,200	8,300	5,100	7,500	4,600
						8350	5000	5300	3250	3750	2300	3400	2100
-5'	-1.5 m	*13,800	*13,800	*23,200	21,000	18,200	10,900	11,500	7,100			8,300	5,100
		*6260	*6260	*10550	9550	8250	4950	5250	3200			3750	2300
-10'	-3.0 m	*24,600	*24,600	*3,800	21,500	18,400	11,100	11,600	7,200			10,200	5,800
		*11150	*11150	*17250	9750	8350	5000	5300	3250			4600	2650
-15'	-4.6 m			*31,500	22,500	18,800	11,400					15,500	9,600
				*14300	10200	8500	5160					7050	4350

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PC200-6 Arm: 9'7" 2900 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.		⊗ MAX	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
25'	7.6 m											*5,800	*5,800
												*2600	*2600
20'	6.1 m									*5,900	5,800	*5,400	*5,400
										*2700	2600	*2450	*2450
15'	4.6 m							*11,300	8,700	9,000	5,800	*5,400	4,800
								*5150	3950	4100	2600	*2450	2150
10'	3.0 m			*26,100	25,300	*17,000	13,100	12,800	8,200	8,800	5,600	*5,700	4,300*
				*11850	11450	*7700	5950	5800	3750	4000	2500	*2550	1950
5'	1.5 m			*13,600	*13,600	19,500	12,000	12,200	7,700	8,500	5,300	*6,200	4,100
				*8160	*8160	8850	5450	5550	3600	3850	2400	*2800	1860
0'	0.0 m			*15,000	*15,000	18,600	11,200	11,800	7,300	8,300	6,100	5,800	4,200
				*6800	*6800	8450	5100	5350	3300	3750	2800	3100	1900
-5'	-1.5 m	*12,900	*12,900	*21,700	21,100	18,300	10,900	11,500	7,100	8,200	5,000	7,400	4,500
		*5850	*5850	*9850	9650	8300	4950	5250	3200	3700	2250	3400	2050
-10'	-3.0 m	*20,700	*20,700	*32,100	21,400	18,300	11,000	11,600	7,200			8,900	5,500
		*9400	*9400	*14550	9700	8300	5000	5250	3200			4000	2500
-15'	-4.6 m			*34,800	22,100	18,800	11,400					12,400	7,700
				*15800	10050	8500	5160					5650	3500

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