

PC128uu

KOMATSU

NET HORSEPOWER

84 HP 62.6 kW

OPERATING WEIGHT

28,800 lb 13100 kg



Hydraulics

- The PC128uu features the same HydraMind hydraulic system found on all other "AVANCE" Dash 6 excavators for greater control and smoother operation.

Cab Design

- Better visibility and superior comfort allow the operator to work for hours with less fatigue, yielding greater production and performance.
- The sliding door facilitates entrance in confined work areas and reduces the danger of being damaged on roadways.

Automatic Height and Depth Stop

- Automatic stops are ideal for working in hazardous areas such as overhead or buried power lines, confined or restricted work areas.

Auto Attachment Safety Stop

- Allows the operator to focus on maximum attachment speed without concern of hitting the machine body.

Protected Hydraulics

- To avoid damage attachment hoses are located inside the boom and the cylinder has a guard.

Standard Dozer Blade

- The dozer blade allows easy backfill.

HYDRAULIC EXCAVATOR

PC128uu

SPECIFICATIONS



ENGINE

Model Komatsu S4D102E
 Type 4 cycle, water-cooled, direct-injection
 Aspiration Turbocharged
 No. of cylinders 4
 Bore **4.02"** 102 mm
 Stroke **4.72"** 120 mm
 Piston displacement **239 in³** 3.92 ltr.
 Flywheel horsepower:
84 HP 62.6 kW at **1900 RPM** (SAE J1349)
 Governor All-speed, mechanical



HYDRAULIC SYSTEM

Type HydrauMind (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-capacity piston pump
 Pumps for Boom, arm, bucket, swing, and travel circuits
 Maximum flow **52.8 gpm** 200 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 circuits **4,620 PSI** 325 kg/cm²
 Boom Offset circuits **3,910 PSI** 275 kg/cm²
 Blade circuits **4,620 PSI** 325 kg/cm²
 Swing circuits **3,840 PSI** 270 kg/cm²
 Pilot circuit **430 PSI** 30 kg/cm²
 Hydraulic cylinders:
 Number of cylinders – bore x stroke
 Boom 2 – **4.1" x 39.0"** 105 mm x 990 mm
 Arm 1 – **4.5" x 37.7"** 115 mm x 958 mm
 Bucket 1 – **3.5" x 34.8"** 90 mm x 885 mm
 Boom Offset 1 – **5.1" x 13.2"** 130 mm x 336 mm
 Blade 1 – **4.5" x 7.1"** 115 mm x 181 mm



SWING SYSTEM

Driven method Hydrostatic
 Swing reduction Planetary double reduction
 Swing circle lubrication Grease-bathed
 Swing lock Oil disc brake
 Swing speed 10.0 RPM



DRIVES & BRAKES

Steering control Two lever
 Drive method Hydrostatic
 Travel motor Axial piston motor, in-shoe design
 Reduction system Planetary double reduction
 Max. drawbar pull **20,060 lb.** 9100 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
 Parking brake Oil disc brake



UNDERCARRIAGE

Center frame X-leg frame
 Track frame Box-section
 Seal of track Sealed track
 Track adjuster Hydraulic type
 No. of shoes 42 each side
 No. of carrier rollers 1 each side
 No. of track rollers 7 each side



COOLANT & LUBRICANT CAPACITY (refilling)

Fuel tank **33.0 U.S. gal** 125.0 ltr.
 Radiator **4.8 U.S. gal** 18.2 ltr.
 Engine **3.2 U.S. gal** 12.2 ltr.
 Final drive, each side **0.7 U.S. gal** 2.5 ltr.
 Swing drive **0.7 U.S. gal** 2.5 ltr.
 Hydraulic tank **24.3 U.S. gal** 92.0 ltr.



OPERATING WEIGHT (approximate)

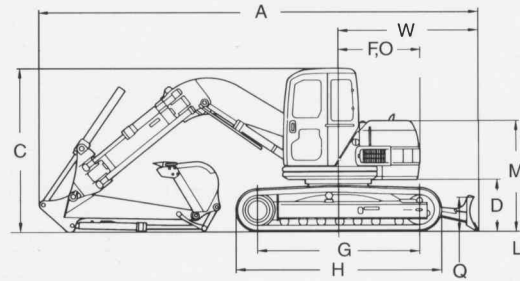
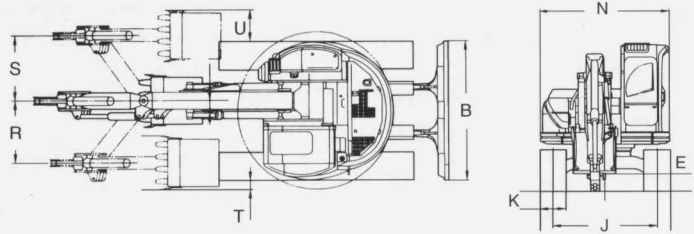
Operating weight, including **14'1"** 4290 mm one-piece boom, **7'0"** 2130 mm arm, SAE heaped **0.58 yd³** 0.44 m³ back-hoe bucket, operator, lubricant, coolant, full fuel tank, and the standard equipment.

Shoes	PC128uu	
	Operating Weight	Ground Pressure
20" 500 mm	28,800 lb 13100 kg	6.68 PSI 0.47 kg/cm ²
Rubber Shoe 20"	29,170 lb 13230 kg	N/A N/A



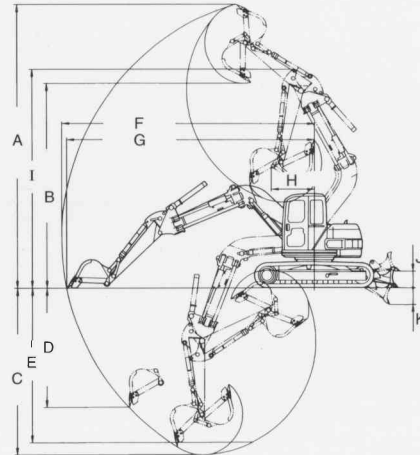
DIMENSIONS

PC128uu			
A	Overall length	24'1"	7430 mm
B	Overall width	8'1"	2470 mm
C	Overall height (to top of cab)	9'1"	2775 mm
D	Ground clearance, counterweight	2'10"	860 mm
E	Min. ground clearance	1'4"	400 mm
F	Tail swing radius	4'7"	1390 mm
G	Length of track on ground	9'0"	2750 mm
H	Track length	11'5"	3480 mm
I	Track gauge	6'5"	1960 mm
J	Width of crawler	8'1"	2460 mm
K	Shoe width	20"	500 mm
L	Grouser height	1"	25 mm
M	Machine cab height	6'2"	1880 mm
N	Upper structure width	8'0"	2450 mm
O	Distance, swing center to rear end	4'7"	1390 mm
P	Blade width	8'1"	2470 mm
Q	Blade height	1'11"	590 mm
R	Boom offset (L.H.)	3'7"	1100 mm
S	Boom offset (R.H.)	3'9"	1150 mm
T	Bucket protrusion (L.H.)	6.7"	170 mm
U	Bucket protrusion (R.H.)	1'11"	575 mm
V	Implement offset from swing center	7.2"	182 mm
W	Blade distance from swing center	7'11"	2405 mm

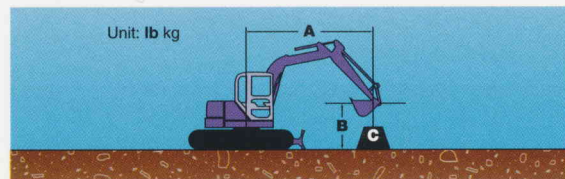


WORKING RANGE & BUCKET/ARM COMBINATION

PC128uu		7'0" 2130 mm arm	
A	Max. digging height	26'10"	8180 mm
B	Max. dumping height	19'4"	5890 mm
C	Max. digging depth	16'0"	4870 mm
D	Max. vertical wall digging depth	11'5"	3490 mm
E	Max. digging depth of cut for 8' level	14'9"	4190 mm
F	Max. digging reach	23'10"	7270 mm
G	Max. digging reach at ground	23'5"	7130 mm
H	Min. swing radius	4'6"	1365 mm
I	Max. height at min. swing radius	20'6"	6250 mm
J	Max. blade lift above ground level	1'6"	460 mm
K	Max. blade drop below ground	1'8"	510 mm
	Bucket digging force	16,530 lb	7500 kg
	Arm Crowd force	12,680 lb	5750 kg



LIFTING CAPACITY



Equipment:

- Boom: 14'1" 4290 mm
 - Bucket: 0.58 yd³ 0.44 m³
 - Shoes: 20" 500 mm
- Blade is off ground

- 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: 7'0" 2130 mm										Unit: lb kg	
B	A	5' 1.5 m		10' 3.0 m		15' 4.5 m		20' 6.1 m		⊗ MAX.	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
20'	6.1 m			*8,500	*8,500					*5,700	*5,700
				*3850	*3850					*2600	*2600
15'	4.5 m			*8,900	*8,900	*8,800	6,700	5,400	3,800	*5,500	4,800
					*4050	*4050	*3950	3050	2450	1750	*2500
10'	3.0 m	*25,900	*25,900	*13,500	12,700	8,700	6,300			*5,200	3,700
		*11750	*11750	*6100	5750	3950	3050			*2350	1650
5'	1.5 m			16,300	10,700	8,000	5,600	4,900	3,400	4,600	3,200
					7400	4850	3650	2550	2200	1550	2100
0'	0.0 m	*5,700	*3,900	14,800	9,500	7,400	5,100	4,600	3,200	4,600	3,200
		*2600	*1750	6700	4300	3400	2300	2100	1450	2100	1450
-5'	-1.5 m	4,500	3,100	14,500	9,200	7,200	4,800	6,100	4,200	5,300	3,600
		2050	1400	6550	4150	3250	2200	2800	1900	2400	1650
-10'	-3.0 m	*3,100	*3,100	4,700	3,200					5,600	3,800
		*1400	*1400	2100	1450					2500	1700

*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.



STANDARD EQUIPMENT

- Air cleaner, double element with auto dust evacuation
- Alternator, 25A
- Automating digging depth system
- Batteries, 2x12V/100Ah
- Blade assembly
- Boom holding valve
- Boom offset position setting
- Cab which includes: antenna; ashtray; AM radio; cigarette lighter; floor mat; pull-up front window;
- Intermittent wiper and washer; sliding seat with 3" seat belt; tinted safety glass
- Cooling fan, mixed flow with fan guard
- Corrosion resistor
- Counterweight, **4,740 lb** 2150 kg
- Deceleration, one touch
- Dustproof net for radiator and oil cooler
- Heater and defroster
- Instrument panel
- Light, 1 front
- Pump/engine room partition cover
- Shoes, **19.7"** 500 mm, triple grouser
- Starting motor, 4.5 kW
- Travel alarm
- Turbocharger exhaust manifold cover
- Vandalism protection locks



OPTIONAL EQUIPMENT

- Air conditioner
 - Arm
 - **7'0"** 2130 mm
 - **7'0"** 2130 mm with piping
 - **7'11"** 2430 mm
 - Hydraulic control unit
 - 1 additional actuator
 - 2 additional actuators
 - 3 additional actuators
 - Shoes, triple grouser
 - **23.6"** 600 mm
 - **27.6"** 700 mm
 - Shoes, rubber shoe
 - **19.7"** 500 mm
 - Track guiding guards
- Sold only with bucket
- Lug bushing
 - Play adjustment mechanism



BACKHOE BUCKET AND ARM COMBINATION

BUCKET TYPE	CAPACITY		OLW BUCKET		OLW/SIDE CUTTER		WEIGHT		NO. OF TEETH	ARMS	
										7'0" 2130 mm	7'11" 2430 mm
STANDARD DUTY	0.24 yd³	0.18 m ³	18"	457 mm	22"	560 mm	440 lb	200 kg	3	○	○
	0.40 yd³	0.31 m ³	24"	610 mm	28"	710 mm	748 lb	339 kg	3	○	○
	0.50 yd³	0.38 m ³	28"	710 mm	32"	810 mm	825 lb	374 kg	4	○	○
	0.60 yd³	0.46 m ³	33"	838 mm	38"	965 mm	814 lb	369 kg	4	○	X
HEAVY DUTY	0.60 yd³	0.46 m ³	33"	838 mm	38"	965 mm	935 lb	424 kg	4	○	X
LIGHT DUTY	0.80 yd³	0.60 m ³	34"	864 mm	39"	990 mm	880 lb	399 kg	4	□	X
HEAVY DUTY	0.80 yd³	0.60 m ³	34"	864 mm	39"	990 mm	1034 lb	469 kg	4	○	X

○ – Used with weights up to 3,040 lb/yc³ □ – Used with weights up to 2,520 lb/yc³ X – Not recommended

AESS422-02

Printed in USA

SN-12/97(8M)

12/97 (EV-1)

KOMATSU

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

ÉQUIPEMENT FÉDÉRAL QUÉBEC LTÉE
2000 RUE GILBERT
CH. SOUTIMI, QC
G7H 5B1
TÉL.: (418) 549-0022
TÉL.: 1-800-463-8550