

EXCAVATOR

HYDRAULIC



[HOMEPAGE](#)

[KONTAKT](#)

[DRUCKEN](#)

[SPEICHERN](#)

KOMATSU

PC128UU

Hydraulics

- The PC 128uu features the same HydrauMind 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.



SPECIFICATIONS



ENGINE

Model Komatsu S4D102E
 Type 4-cycle, water-cooled, direct injection
 Aspiration Turbocharged
 Number of cylinders 4
 Bore 102 mm **4.02"**
 Stroke 120 mm **4.72"**
 Piston displacement 3.92 ltr **239 in³**
 Flywheel horsepower:
 62.6 kW **84 HP** at 1900 rpm (SAE J1349)
 Governor All-speed, mechanical



HYDRAULIC SYSTEM

Type HydraMind (Hydraulic Mechanical Intelligence New Design) system.
 Closed-center system with load-sensing valve and pressure-compensation valves.
 Number of selectable working modes 1
 Main pump:
 Type Variable-capacity piston pump
 Pump for Boom, arm, bucket, swing, and travel circuits
 Maximum flow 200 ltr **52.8 gpm**
 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 325 kg/cm² **4,620 psi**
 Travel circuits 325 kg/cm² **4,620 psi**
 Boom offset circuits 275 kg/cm² **3,910 psi**
 Blade circuits 325 kg/cm² **4,620 psi**
 Swing circuits 270 kg/cm² **3,840 psi**
 Pilot circuit 30 kg/cm² **430 psi**
 Hydraulic cylinders:
 Number of cylinders – bore x stroke
 Boom 2 – 105 mm x 990 mm **4.1" x 39.0"**
 Arm 1 – 115 mm x 958 mm **4.5" x 37.7"**
 Bucket 1 – 90 mm x 885 mm **3.5" x 34.8"**
 Boom offset 1 – 130 mm x 336 mm **5.1" x 13.2"**
 Blade 1 – 115 mm x 180 mm **4.5" x 7.1"**



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 AND BRAKES

Steering control Two lever
 Drive method Hydrostatic
 Travel motor Axial piston motor, in-shoe design
 Reduction system Planetary double reduction
 Maximum drawbar pull 9100 kg **20,060 lb**
 Maximum travel speed: High 5.5 km/h **3.4 mph**
 Low 3.0 km/h **1.9 mph**
 Service brake Dynamic hydraulic type
 Parking brake Oil disc brake



UNDERCARRIAGE

Center frame X-leg frame
 Track frame Box-section
 Seal of track Sealed track
 Track adjuster Hydraulic
 Number of shoes 42 each side
 Number of carrier rollers 1 each side
 Number of track rollers 7 each side



COOLANT AND LUBRICANT CAPACITY (REFILLING)

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



OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 4290 mm **14'1"** two-piece boom, 2130 mm **7'0"** arm, SAE heaped 0.46 m³ **0.60 yd³** backhoe bucket, operator, lubricant, coolant, full fuel tank, and the standard equipment.

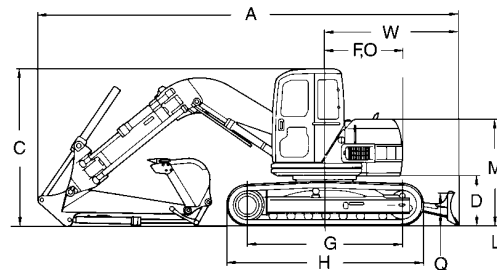
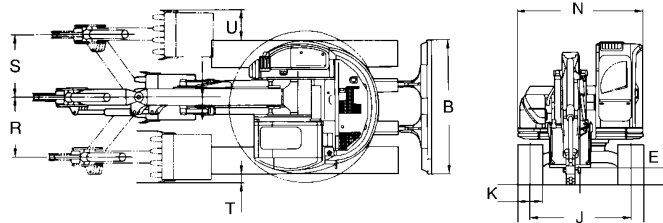
Shoes	Operating Weight	Ground Pressure
500 mm 20"	13063 kg 28,800 lb	0.47 kg/cm ² 6.68 psi
Rubber shoe 20"	13232 kg 29,170 lb	N/A N/A

SPECIFICATIONS



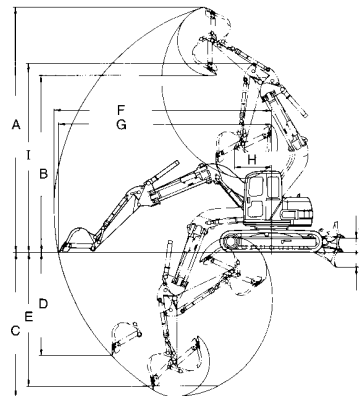
DIMENSIONS

A	Overall length	7430 mm	24'1"
B	Overall width	2470 mm	8'1"
C	Overall height (to top of cab)	2775 mm	9'1"
D	Ground clearance, counterweight	860 mm	2'10"
E	Min. ground clearance	400 mm	1'4"
F	Tail swing radius	1390 mm	4'7"
G	Length of track on ground	2750 mm	9'0"
H	Track length	3480 mm	11'5"
I	Track gauge	1960 mm	6'5"
J	Width of crawler	2460 mm	8'1"
K	Shoe width	500 mm	20"
L	Grouser height	25 mm	1"
M	Machine cab height	1880 mm	6'2"
N	Upper structure width	2450 mm	8'0"
O	Distance, swing center to rear end	1390 mm	4'7"
P	Blade width	2470 mm	8'1"
Q	Blade height	590 mm	1'11"
R	Boom offset (LH)	1100 mm	3'7"
S	Boom offset (RH)	1150 mm	3'9"
T	Bucket protrusion (LH)	170 mm	6.7"
U	Bucket protrusion (RH)	575 mm	1'11"
V	Implement offset from swing center	182 mm	7.2"
W	Blade distance from swing center	180 mm	7'1"

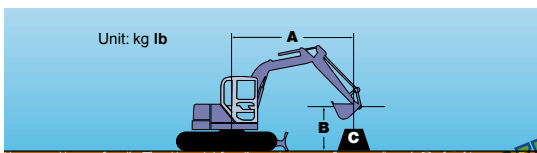


WORKING RANGE AND BUCKET/ARM COMBINATION

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



LIFTING CAPACITY



Equipment:

- Boom: 4290 mm 14'1"
 - Bucket: 0.46 m³ 0.60 yd³
 - Shoes: 500 mm 20"
- 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: 2130 mm 7'0"		Unit: kg lb									
B	A	1.5 m 5'		3.0 m 10'		4.5 m 15'		6.1 m 20'		☉ Maximum	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
6.1 m	20'			*3850	*3850					*2600	*2600
				*8,500	*8,500					*5,700	*5,700
4.5 m	15'			*4050	*4050	*3950	3050	2450	1750	*2500	2200
				*8,900	*8,900	*8,800	6,700	5,400	3,800	*5,500	4,800
3.0 m	10'	*11750	*11750	*6100	5750	3950	3050			*2350	1650
		*25,900	*25,900	*13,500	12,700	8,700	6,300			*5,200	3,700
1.5 m	5'			7400	4850	3650	2550	2200	1550	2100	1450
				16,300	10,700	8,000	5,600	4,900	3,400	4,600	3,200
0.0 m	0'	*2600	*1750	6700	4300	3400	2300	2100	1450	2100	1450
		*5,700	*3,900	14,800	9,500	7,400	5,100	4,600	3,200	4,600	3,200
-1.5 m	-5'	2050	1400	6550	4150	3250	2200	2800	1900	2400	1650
		4,500	3,100	14,500	9,200	7,200	4,800	6,100	4,200	5,300	3,600
-3.0 m	-10'	*1400	*1400	2100	1450					2500	1700
		*3,100	*3,100	4,700	3,200					5,600	3,800

*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.

SPECIFICATIONS



STANDARD EQUIPMENT

- Air cleaner, double element with auto dust evacuation
- Alternator, **24A**
- Automating digging depth system
- Batteries, 100 Ah/2 x 12V
- Blade assembly
- Boom holding valve
- Boom offset position setting
- Cab which includes: antenna; AM radio; cigarette lighter; floor mat; pull-up front window; intermittent wiper; sliding seat with **3"** seat belt; tinted safety glass
- Cooling fan, mixed flow with fan guard
- Corrosion resistor
- Counterweight, 2150 kg **4,740 lb**
- Deceleration, one touch
- Dustproof net for radiator and oil cooler
- Heater and defroster
- Instrument panel
- Light, 1 front
- Pump/engine room partition cover
- Shoes, 500 mm **20"**, triple grouser
- Starting motor, 4.5 kW
- Travel alarm
- Turbocharger exhaust manifold cover
- Vandalism protection locks



OPTIONAL EQUIPMENT

- Arm
 - 2130 mm **7'0"**
 - 2130 mm **7'0"** with piping
 - 2430 mm **7'11"**
 - Hydraulic control unit
 - 1 additional actuator
 - 2 additional actuators
 - 3 additional actuators
 - Shoes, triple grouser
 - 600 mm **24"**
 - 700 mm **28"**
 - Shoes, rubber shoe
 - 500 mm **20"**
 - Track guiding guards
 - Window washer
- SOLD ONLY WITH BUCKET**
- Lug bushing
 - Play adjustment mechanism



BACKHOE BUCKET AND ARM COMBINATION

Bucket Type	Capacity		OLW Bucket		OLS/Side Cutter		Weight		Number of Teeth	Arms	
										2130 mm 7'0"	2430 mm 7'11"
Standard Duty	0.18 m ³	0.24 yd³	457 mm	18"	560 mm	22"	200 kg	440 lb	3	○	○
	0.31 m ³	0.40 yd³	610 mm	24"	710 mm	28"	339 kg	748 lb	3	○	○
	0.38 m ³	0.50 yd³	710 mm	28"	810 mm	32"	374 kg	825 lb	4	○	○
	0.46 m ³	0.60 yd³	838 mm	33"	965 mm	38"	369 kg	814 lb	4	○	X
Heavy-Duty	0.46 m ³	0.60 yd³	838 mm	33"	965 mm	38"	424 kg	935 lb	4	○	X
Light Duty	0.60 m ³	0.80 yd³	864 mm	34"	990 mm	39"	399 kg	880 lb	4	□	X
Heavy-Duty	0.60 m ³	0.80 yd³	864 mm	34"	990 mm	39"	469 kg	1,034 lb	4	○	X

○ – Used with weights up to 3,040 lb/yd³ □ – Used with weights up to 2,520 lb/yd³ X – Not recommended

