

KOMATSU®

PC09-1 with Tier 2 engine

FLYWHEEL HORSEPOWER
6.5 kW **8.7 HP** @ 2200 rpm

OPERATING WEIGHT
900 kg **1,985 lb**

**PC
09**

**COMPACT HYDRAULIC
EXCAVATOR**



PC09-1 COMPACT HYDRAULIC EXCAVATOR

SPECIFICATIONS



ENGINE

Model Komatsu 2D70E
 Type Water-cooled, 4 cycle, turbulence chamber
 Number of cylinders 2
 Piston displacement 0.569 ltr **34.7 in³**
 Flywheel Horsepower (SAEJ1349) 6.5 kW **8.7 HP** @ 2200 rpm
 EPA Tier 2 emissions certified.



HYDRAULICS

Type HydrauMind
 Main pump:
 Type Fixed displacement gear pump
 Maximum flow 22 ltr/min **5.8 gpm**
 Auxiliary hydraulic flow 22 ltr/min **5.8 gpm**
 Valve rating:
 Relief valve setting 160 kg/cm² **2,275 psi**
 Bucket digging force (ISO) 1075 kg **2,370 lb**



ELECTRICAL SYSTEM

Operator voltage 12 v
 Battery 24 Ah/305 CCA
 Alternator 20 A
 Starter 1.1 kW



SWING SYSTEM

Driven method Hydrostatic
 Swing speed 8.3 rpm



DRIVES AND BRAKES

Drive method Hydrostatic
 Parking brake N/A
 Steering control Two levers
 Travel speed: High 3.0 km/h **1.9 mph**
 Low 1.5 km/h **0.9 mph**



UNDERCARRIAGE

Ground pressure 0.28 kg/cm² **4.0 psi**
 Number of carrier rollers N/A
 Number of track rollers: 2 (each side)
 Track adjustment of the track tension Grease
 Expandable undercarriage 700–800 mm **2'4"–2'10"**



OPERATING WEIGHT (APPROXIMATE)

Operating weight including 684 mm **2'3"** arm, bucket with 0.022 m³ **0.78 ft³** ISO 754 capacity, blade, operator weight, liquids, full fuel tank, and standard equipment..

PC09-1	Shoe Width	Operating Weight
With TOPS Canopy	180 mm 7.0"	900 kg 1,985 lb
With Breaker		940 kg 2,070 lb



COOLANT AND LUBRICANT CAPACITY (REFILLING)

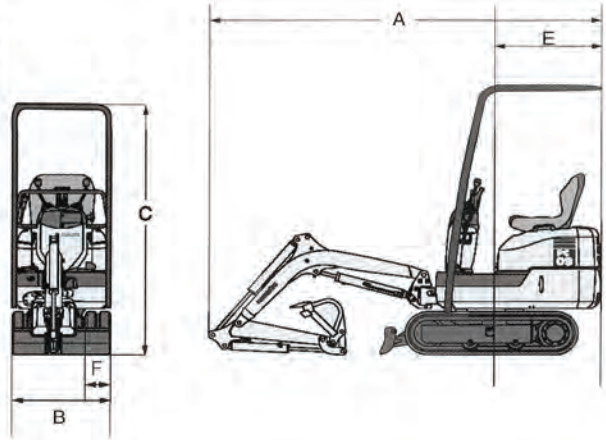
Fuel tank 11.0 ltr **2.9 U.S. gal**
 Coolant 2.1 ltr **0.6 U.S. gal**
 Engine oil 1.7 ltr **0.5 U.S. gal**
 Hydraulic tank 9.0 ltr **2.4 U.S. gal**

SPECIFICATIONS



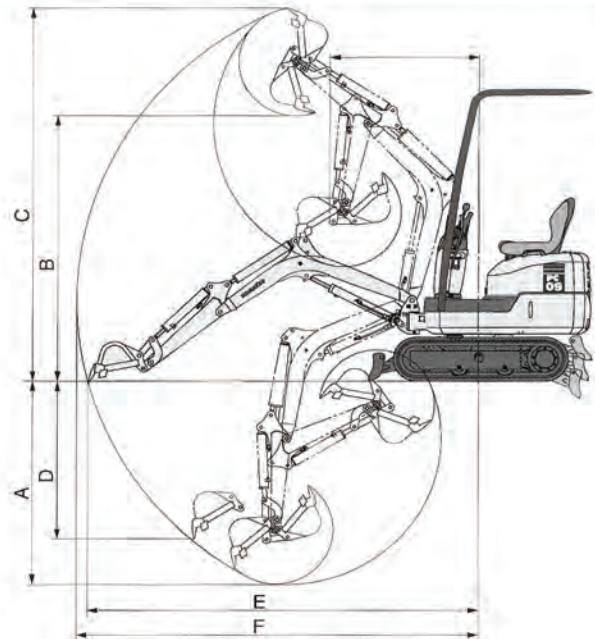
DIMENSIONS

	Operating Weight	900 kg	1,985 lb
A	Overall length	2730 mm	9'0"
B	Overall width with expandable undercarriage	700-800 mm	2'4"-2'10"
C	Overall height	2100 mm	6'11"
D	Ground clearance (minimum)	170 mm	6.7"
E	Tail swing radius	790 mm	2'7"
F	Track width	180 mm	7.0"



WORKING RANGE

	Arm length	684 mm	2'3"
A	Max. digging depth	1500 mm	4'11"
B	Max. dumping height	1990 mm	6'6"
C	Max. digging height	2790 mm	9'2"
D	Max. vertical digging depth	1170 mm	3'10"
E	Max. digging reach at ground level	2760 mm	9'11"
F	Max. digging reach	2840 mm	9'4"
	Bucket breakout force	1075 kg	2370 lb



BACKHOE BUCKET, ARM, AND BOOM COMBINATION

Model	SAE Heaped Capacity (m ³ /cu. ft.)		Bucket Width	Weight	Arm Selection				
	0.017	0.60			Standard	Long	Breaker Arm		
PC09-1	0.017	0.60	250 mm 10"	11 kg 24 lb		X		X	X
	0.022	0.78	350 mm 14"	14 kg 31 lb	684 mm 2'3"	X	884 mm 2'11"	Y	687 mm 2'3" X
	0.025	0.88	400 mm 16"	15 kg 33 lb		Y		N/A	N/A

X – Can be used
 Y – Can be used only for light duty work
 N/A – Not available



LIFTING CAPACITY

Unit: kg/lbf

Arm Length		1.5 m 5'				Maximum			
		Front		Side		Front		Side	
684 mm 2'3"	1.5 m 5'	*224	*493	*224 (206)	*493 (454)	*205	*452	144 (110)	317 (242)
	0 m 0'	*432	*952	244 (183)	537 (403)	*224	*493	132 (100)	291 (220)

*Load is limited by hydraulic capacity rather than tipping.
 Rated loads do not exceed 87% of hydraulic capacity or 75% of tipping load.
 () : with constricted gauge



STANDARD EQUIPMENT

- Auxiliary hydraulic piping
- Arm 684 mm 2'3" arm assembly
- Expandable undercarriage
- Seat belt 76 mm 3" width
- Rubber tracks
- TOPS canopy
- Travel alarm
- Variable width blade



OPTIONAL EQUIPMENT

- Additional counter weight
- Breaker arm
- Bucket quick coupler
- Long arm 884 mm 2'11" arm assembly

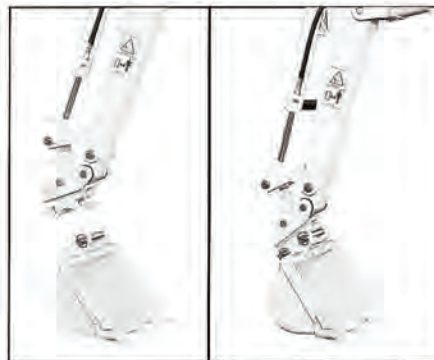
Arm with integrated breaker andmoil point (optional equipment)



Impact class 75 ft lbs

Komatsu mechanical coupler (optional equipment)

Exchanges buckets easily



When using a long arm or an attachment such as a quick coupler, always caution there is no penetration into the operator's working space (cab).

KUSS173-01

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K10(2.5M) C

10/07 (EV-1)

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