

# KOMATSU<sup>®</sup>

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

OPERATING WEIGHT  
900 kg **1,980 lb**

## PC09-1



**PC**  
**09**

UTILITY

*Utility*



Photos may include optional equipment.

COMPACT HYDRAULIC EXCAVATOR

# PC09-1 Hydraulic Excavator

## WALK-AROUND

- **Suitable for confined sites over any other excavator with an abundance of fundamental performance**

The PC09-1 excels in confined areas due to its 700 mm 2'4" overall width and slender tail shape. PC09-1 offers high productivity in a small package.



- **Expandable undercarriage** can pass through narrow doorways due to narrow width and undercarriage can be expanded for good stability during excavation.



PC03-2 width  
800 mm 2'8"

PC09-1 width  
700 mm 2'4"



- **Slender tail shape**

The PC09-1 dumps dirt with a slight swing in confined areas without using the boom swing.

# PC09-1 Hydraulic Excavator

# PRODUCTIVITY FEATURES

- **Excellent ability in very narrow spaces**

The PC09-1 is the all-purpose machine for very narrow working sites.

*The PC09-1 fits into any working site*



- **Breaker-arm (optional equipment)**



Easily converts from bucket to hydraulic breaker configuration since breaker is stored inside arm when not in use.

- **Bucket quick coupler (optional equipment)**



*Exchanges buckets easily*

## PC09-1 COMPACT HYDRAULIC EXCAVATOR

FLYWHEEL HORSEPOWER  
6.5 kW 8.7 HP @ 2200 rpm

OPERATING WEIGHT  
900 kg 1,980 lb

- **Wide working range**

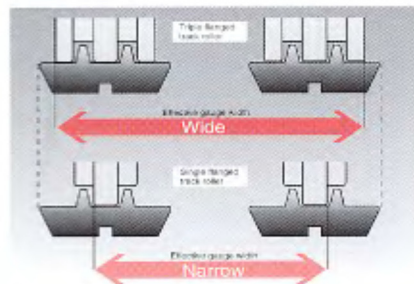
Maximum digging reach 2840 mm 9'4". Maximum digging depth 1500 mm 4'11".

- **Two-stage travel speed**

Maximum travel speed of 1.9 mph performs more efficiently during operation and between sites.

- **Powerful digging force**

Bucket digging force 1075 kg 2370 lb.



- **Triple flanged track roller**

Triple flanged bottom track roller aids in machine stability when traveling or excavating.

# GALEO

Building on the technology and expertise Komatsu has accumulated since its establishment in 1921, GALEO presents customers worldwide with a strong, distinctive image of technological innovation and exceptional value. The GALEO brand will be employed for Komatsu's full lineup of advanced construction and mining equipment. Designed with high productivity, safety and environmental considerations in mind, the machines in this line reflect Komatsu's commitment to contributing to the creation of a better world.

*Genuine Answer for Land & Environment Optimization*

# OPERATOR ENVIRONMENT

- **Low noise design**

Noise is reduced not only from the engine but also during swing and hydraulic operations.

- **Two-stick travel levers**

Independent control of each track for precise steering.

- **Lock lever**

Once the lever is placed in the "locked position", all travel levers and control levers are locked.

- **Spacious foot area**

Roomy operator's space.



- **TOPS Canopy**

- **Newly designed rubber shoe with lugs between core iron**

provide smooth riding performance.

- **Molded one-piece operator seat**

Water proof, seamless seat provides outstanding durability.

- **Operator-oriented design**

The PC09-1 offers the operator a comfortable environment despite the machine's small size.

# EASY MAINTENANCE

- **Press formed one-piece steel hood**  
provides ability of repair in shop.



- **Automatic air bleeding system** In the case of running out of fuel, it's easy to remove air from fuel system by turning the starter key.

- **Built-in hydraulic hoses** are designed to minimize the risk of damage on the hoses.

- **Full open engine hood**  
Outstanding accessibility to maintenance area.

- **Track tension adjuster** makes tensioning of rubber shoe easy and clean with grease gun.

- **One-piece cast iron frame with integral counter-weight and side cover** makes it tough against impact.

- **Wide mouth fuel fill**  
Large opening of fuel fill makes fueling quicker and easier.



- **O-Ring face seal connectors**  
Reliability against oil leakage is dramatically improved by use of ORFS connectors.

# SPECIFICATIONS



## ENGINE

Model ..... Komatsu 2D70E-5  
 Type ..... Water-cooled, 4 cycle, turbulence chamber  
 Number of cylinders ..... 2  
 Piston displacement ..... 0.569 ltr **34.7 in<sup>3</sup>**  
 Flywheel Horsepower (SAEJ1349) ..... 6.5 kW **8.7 HP** @ 2200 rpm  
 (SAE J1349 NET)



## HYDRAULICS

Type ..... HydrauMind  
 Main pump:  
 Type ..... Fixed displacement gear pump  
 Maximum flow ..... 11 ltr x 2=22 ltr/min **5.8 gpm**  
 Auxiliary hydraulic flow ..... 22 ltr/min **5.8 gpm**  
 Valve rating:  
 Relief valve setting ..... 160 kg/cm<sup>2</sup> **2,275 psi**  
 Bucket digging force (ISO) ..... 1075 kg **2,370 lb**



## ELECTRICAL SYSTEM

Operator voltage ..... 12 v  
 Battery ..... 24 Ah  
 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/cm<sup>2</sup> **4.0 psi**  
 Number of carrier rollers ..... N/A  
 Number of track rollers: ..... 2 (each side)  
 Track adjustment of the track tension ..... Grease



## OPERATING WEIGHT (APPROXIMATE)

Operating weight including 684 mm 2'3" arm, bucket with 0.022 m<sup>3</sup> **0.78 ft<sup>3</sup>**  
 ISO 754 capacity, blade, operator weight, liquids, full fuel tank, and standard equipment..

PC09-1	Shoe Width	Operating Weight
With TOPS Canopy	180 mm <b>7.0"</b>	900 kg <b>1,980 lb</b>



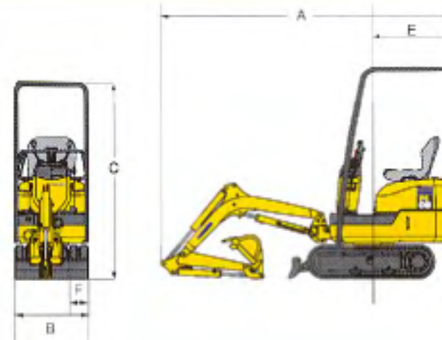
## COOLANT AND LUBRICANT CAPACITY (REFILLING)

Fuel tank ..... 11.0 ltr **2.9 U.S. gal**  
 Coolant ..... 2.1 ltr **0.6 U.S. gal**  
 Engine oil (exchange) ..... 1.8–2.1 ltr **0.5–0.6 U.S. gal**  
 Hydraulic tank (exchange) ..... 9–12 ltr **2.4–3.2 U.S. gal**

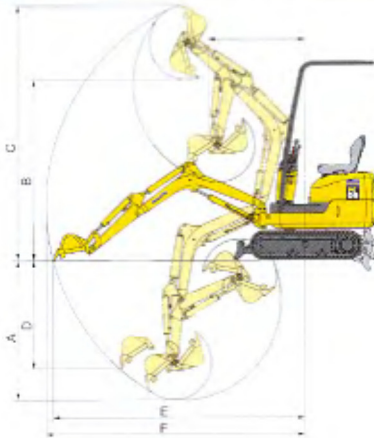


## DIMENSIONS

	Operating Weight	900 kg	1,980 lb
A	Overall length	2730 mm	9'0"
B	Overall width	700-850 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	9'1"
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	Bucket Width	Weight	Arm Selection					
				Standard		Long		Breaker Arm	
PC09-1	0.017 m <sup>3</sup> 0.06 cu. ft.	250 mm 10"	11 kg 24 lb		X		X		X
	0.022 m <sup>3</sup> 0.78 cu. ft.	350 mm 14"	14 kg 31 lb	684 mm 2'3"	X	884 mm 2'11"	<input type="checkbox"/>	687 mm 2'3"	X
	0.025 m <sup>3</sup> 0.88 cu. ft.	400 mm 16"	15 kg 33 lb		<input type="checkbox"/>		N/A		N/A

X – Can be used

– Can be used only for light duty work

N/A – Not available



## LIFTING CAPACITY

Unit: kg/lbf

Arm Length		1.5 m 5 ft.		Maximum	
		Front	Side	Front	Side
684 mm 2'3"	1.5 m 5'	*224	*224 (206)	*205	144 (110)
	0 m 0'	*493	*493 (454)	*452	317 (242)
	0 m 0'	*432	244 (183)	*224	132 (100)
	0 m 0'	*952	537 (403)	*493	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 884 mm 2'3" arm assembly
- Expandable undercarriage
- Seat belt
- 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

### *Breaker-arm (optional equipment)*



### *Bucket quick coupler (optional equipment)*



*Exchanges buckets easily*

**KOMATSU**