

KOMATSU®

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

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

PC09-1

with Tier 2 engine

Utility

**PC
09**

COMPACT HYDRAULIC
EXCAVATOR



GALEO

WALK-AROUND

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



With an **expandable undercarriage** and low operating weight, the PC09-1 can pass through doorways and be loaded on freight elevators. Once onsite, the undercarriage can be expanded for added stability when excavating or performing demolition.



PC09-1 width
700 mm 2'4"



Due to its **slender tail design**, the PC09-1 is able to swing slightly in confined areas without using the boom swing.

PRODUCTIVITY FEATURES

By design, the PC09-1 is able to work in very confined areas. The operator may dig and dump using the boom swing or by rotating the machine depending on the job.



The PC09-1 is available with a 10.4 kg•m **75 ft. lbs.** breaker arm and moil point. The PC09-1 easily converts from bucket to breaker because the moil point is stored along side the boom and is easily loaded.



A Komatsu mechanical bucket quick coupler is also available on the PC09-1.

FLYWHEEL HORSEPOWER

6.5 kW **8.7 HP** @ 2200 rpm

OPERATING WEIGHT

900 kg **1,985 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 3.0 km.h **1.9 mph** performs more efficiently during operation and between sites.

Powerful digging force

Bucket digging force 1075 kg **2370 lb.**

GALEO

Komatsu's highly productive, innovative technology, environmentally friendly machines built for the 21st century.

OPERATOR ENVIRONMENT

Two-stick travel levers

provide independent control of each track for precise steering.

The PC09-1 is designed for ***low noise*** operation reducing operator fatigue.

TOPS Canopy

- ***Molded one-piece operator seat*** is waterproof and seamless providing outstanding durability.

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



The PC09-1 has a ***standard dozer blade with retractable end bits.***

Newly designed rubber shoe with lugs between core iron provide smooth travel.

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

WORKING ENVIRONMENT

**Tier 2
compliant
engine.**

**Press formed one-piece
steel cover** provides
accessibility for maintenance and
repair.

**An automatic air bleeding
system** allows the operator to
remove air from the fuel system in
the event he runs out of fuel by
turning the ignition.

Built-in hydraulic hoses
reduces the risk of damage to the
hoses during machine operation.



**Full opening
engine hood**
provides outstanding
accessibility to
engine and hydraulic
components.

Track tension may be
adjusted on rubber track
quickly and easily using a
grease gun.

**A one-piece cast iron
frame with integral
counterweight and
side cover** adds strength
and durability.

**A large fuel fill
opening**
makes fueling
quicker and easier.



**O-Ring face
seal connectors**
are reliable and dramatically
reduces oil leakage.

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 emission 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)

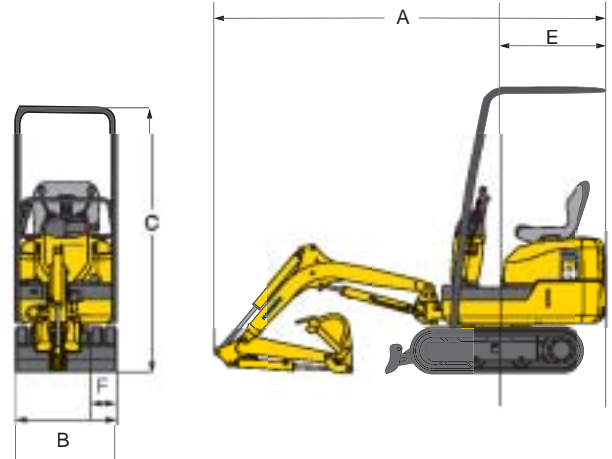
Fuel tank 11.0 ltr **2.9 U.S. gal**
 Coolant 2.1 ltr **0.6 U.S. gal**
 Engine oil 1.7 ltr **0.5 U.S. gal**
 Hydraulic tank 9.0 ltr **2.4 U.S. gal**

SPECIFICATIONS



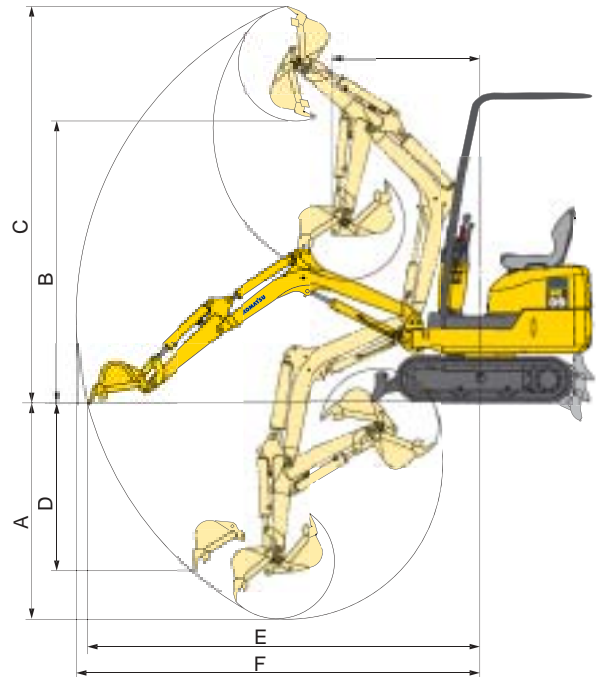
DIMENSIONS

| | | | |
|----------|---|------------|-------------------|
| | 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 | | | | | |
|--------|---|------|-------------------|--------------------|--------------------|---|---------------------|-----|--------------------|-----|
| | | | | | 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)



Komatsu mechanical coupler (optional equipment)



Exchanges buckets easily

Impact class 10.4 kg • m 75 ft lbs

KUSS173-00

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DK05(5M) C

05/05 (EV-1)

KOMATSU®

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