

# KOMATSU

## PC09-1



Mini-excavator

**Engine power**  
6.8 kW / 9.1 HP @ 2200 rpm

**Operating weight**  
880 - 1080 kg

**Bucket capacity**  
0.016 - 0.025 m<sup>3</sup>

## PC09-1



Engine power

**6.8 kW / 9.1 HP @ 2200 rpm**

Operating weight

**880 - 1080 kg**

Bucket capacity

**0.016 - 0.025 m<sup>3</sup>**

# High versatility, extremely compact and **safe performance in tight spaces**



## **Outstanding performance**

- Agile and precise
- Extremely compact
- Superior hydraulic system
- Excellent efficiency and reliability

## **Total versatility**

- Two travel speeds
- Variable width undercarriage
- Arm with integrated demolition breaker (option)

## **Extremely robust**

- Cast body
- Tubular boom
- Metal bonnet

## **Safe and environment friendly**

- Safety lock lever
- Recycle-oriented design
- Low noise levels

## **Easy maintenance**

- Easy access to all inspection points
- Full opening bonnet
- Long interval greasing

## Outstanding performance



### Extremely compact

The new PC09-1 micro-excavator has exactly the right power and digging force for operating in tight spaces: ideal inside buildings, for small demolition work, to set plants or install an irrigation system in a garden, and, in general, on any job site where a bigger machine can't work or even be transported to.

### Superior hydraulic system

Thanks to its cutting edge hydraulic system, all movements - even when combined - are smooth and shock-free for maximum precision, in any application. The PC09-1 is a perfect mix of the care that a manual worker can bring to a job and of an excavator's high performance. It makes any job much easier and quicker to finish.

## Total versatility

### Variable width undercarriage

For applications requiring maximum versatility in terms of size and stability, the PC09-1 is equipped with a hydraulic undercarriage extension operated from the driver's seat via a dedicated control. This feature allows the operator to quickly switch from maximum stability for digging, to a reduced width of less than one meter to easily drive through narrow passages or doors.

### Arm with integrated demolition breaker (option)

With this option, the PC09-1 can switch from a digging job to a demolition application in just a few seconds: You can use the breaker without removing the bucket, by simply installing the provided point. The PC09-1 then becomes a 2-in-1 machine and you don't need to carry other special tools for top functionality and efficiency.





### Built to last

Several technical solutions give the PC09-1 increased sturdiness and operability. The cast body offers extreme rigidity and robustness, and the metal bonnet guarantees a longer life and lower repairing costs in the event of a collision. A special tubular boom with no welding houses all hydraulic hoses and protects them from possible damage while allowing complete visibility of the digging area.



# Specifications

## Engine

Model	Komatsu 2D68E-3A
Displacement	522 cm <sup>3</sup>
Engine power	
at rated engine speed	2200 rpm
ISO 14396	6.8 kW / 9.1 HP
ISO 9249 (net engine power)	6.3 kW / 8.4 HP
Cooling system	Water

## Operating weight (appr.)

Operating weight with standard bucket, fully serviced, +75 kg operator (ISO 6016)	
Operating weight with rubber shoes	880 kg
Arm with hydraulic breaker	+100 kg (option)
TOPS canopy	+100 kg (option)

## Hydraulic system

Main pumps	2 × gear pump
Max. pump flow	11 + 11 l/min
Max. operating pressure	16 MPa (160 bar)
Max. breakout force	1130 daN (1075 kg)

## Hydraulic breaker

Impact energy	108 J (11 kgm)
Impact rate	800 bpm

## Undercarriage

Blade - Width × height	700 × 200 mm
Shoe width	180 mm
Ground pressure (standard)	0.25 kg/cm <sup>2</sup>
Variable undercarriage	

## Transmission

Type	Double speed hydrostatic transmission, controlled and steered by means of two levers
Max. drawbar pull	1160 daN (1090 kg)
Travel speed	1.5 - 3.0 km/h

## Service refill capacities

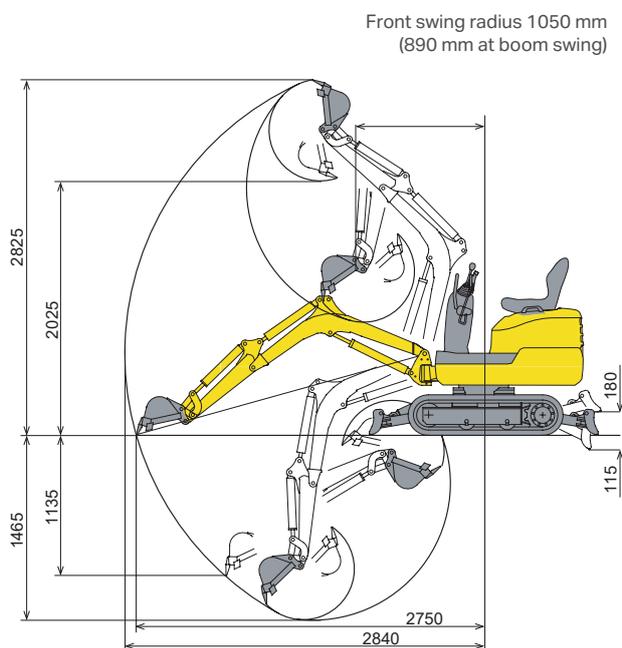
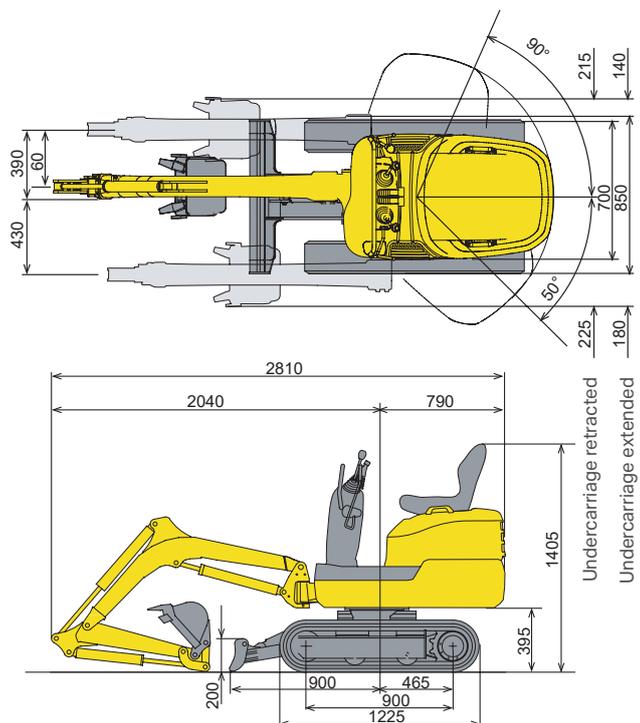
Fuel tank	10.8 l
Engine oil	1.9 l
Hydraulic oil tank	16.4 l

## Environment

Vibration levels (EN 12096:1997) *	
Hand/arm	≤ 2.5 m/s <sup>2</sup> (uncertainty K = 0.1 m/s <sup>2</sup> )
Body	≤ 0.5 m/s <sup>2</sup> (uncertainty K = 0.0 m/s <sup>2</sup> )

\* For the purpose of risk assessment under directive 2002/44/EC, please refer to ISO/TR 25398:2006.

## Dimensions



# Standard and optional equipment

## Standard equipment

Two travel speeds	●
Variable undercarriage	●
Front blade	●
ORFS connections	●
One piece cast iron frame	●
Metal bonnet	●
Safety lock lever	●

## Optional equipment

Arm with hydraulic breaker	○
TOPS canopy	○
Komatsu buckets	○

Fuel:  
Diesel fuel, conforming to EN590 Class 2/Grade D. Paraffinic fuel capability  
(HVO, GTL, BTL), conforming to EN 15940:2016

---

Your Komatsu partner:

**KOMATSU**

[komatsu.eu](https://www.komatsu.eu)

