

# KOMATSU

# PC80MR-5

## MIDI-EXCAVATOR



# PC80

**ENGINE POWER**

46,2 kW / 62 HP @ 2.200 rpm

**OPERATING WEIGHT**

ca. 8.000 kg

**BUCKET CAPACITY**

0,12 - 0,27 m<sup>3</sup>

# Walk-Around

**INCREASED PRODUCTIVITY AND ENVIRONMENTAL PERFORMANCE**

**Up to 10% increased fuel efficiency**



PC80MR-5



**Powerful and Environmentally Friendly**

- NEW** • Low consumption EU Stage IIIB engine
- NEW** • Komatsu fuel-saving technology
- NEW** • 6 selectable working modes
- NEW** • Auto-deceleration and idle shutdown
- NEW** • Dial type fuel control

**First-Class Comfort**

- NEW** • Newly designed cab
- NEW** • Improved operator convenience
- NEW** • Multi-function monitor with high resolution 3,5" LCD color display
- NEW** • Multiple accessories around the operator's seat

**Safety First**

- NEW** • Neutral position detection system
- NEW** • Emergency engine stop switch
- NEW** • Seat belt caution indicator
- NEW** • Large transport tie down points

**Easy Maintenance**

- NEW** • Wide opening engine hood
- NEW** • Maintenance information displayed on the monitor

**KOMTRAX™**

- NEW** • Komatsu Wireless Monitoring System
- NEW** • 3G mobile communications
- NEW** • Integrated antenna



*New, low consumption Komatsu 4D98E-5SFB engine with Diesel Particulate Filter (DPF), prepared for future EU Stage V emissions requirements.*



*Newly designed cab, with control elements from larger machines. Features such as standard air condition and a hinged door ensure maximum operator comfort.*



*Multi-function monitor with high resolution 3,5" LCD color display*



*New, improved blade design for better dozing and scooping performance.*



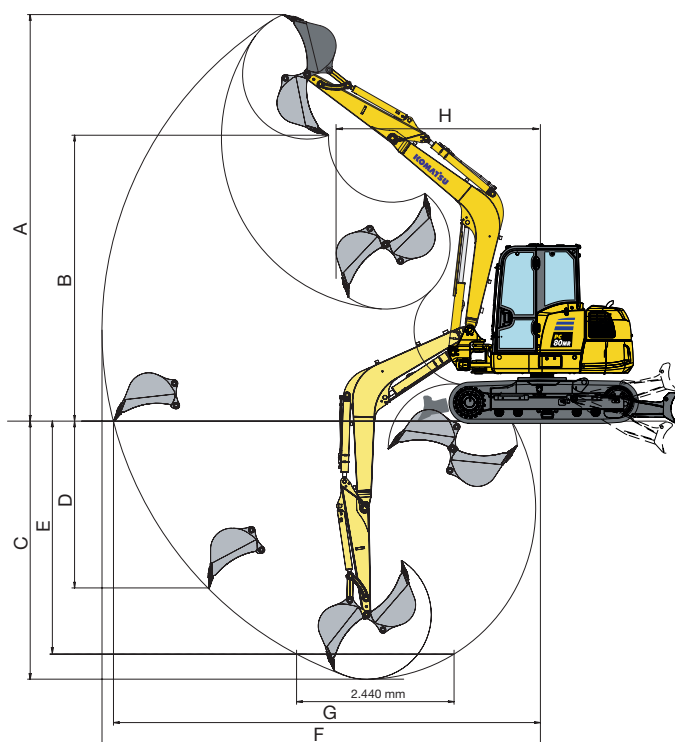
## ENGINE

Model	Komatsu 4D98E-5SFB
Type	Water-cooled, 4-cycle direct injection
Engine power	
at rated engine speed	2.200 rpm
ISO 14396	46,2 kW/62 HP
ISO 9249 (net engine power)	44,2 kW/59,2 HP
No. of cylinders	4
Bore × stroke	98 × 110 mm
Displacement	3.319 cm <sup>3</sup>

## ENVIRONMENT

Engine emissions	Fully complies with EU Stage IIIB exhaust emission regulations
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## WORKING RANGE



## HYDRAULIC SYSTEM

Type	Komatsu CLSS
Additional circuits	2 additional circuits with proportional control can be installed
Main pump	1 variable displacement piston pump supplying boom, arm, bucket and travel circuits
Maximum pump flow	178 l/min
Max. operating pressure	26,5 MPa (270 bar)
Pump for swing and blade	Fixed displacement gear pump
Maximum pump flow	72 l/min
Max. operating pressure	20 MPa (204 bar)
Auxiliary hydraulic flow (optional)	125 l/min
Bucket digging force (ISO 6015)	5.855 daN (5.970 kgf)
Arm crowd force (ISO 6015)	3.913 daN (3.990 kgf)

## UNDERCARRIAGE

Construction	X-frame centre section with box section track frames
Track assembly	
Shoes (each side)	39
Tension	Grease
Rollers	
Track rollers (each side)	5
Carrier rollers (each side)	1

## BLADE

Type	Electro-welded, single unit structure
Width × height	2.250 × 465 mm
Blade, max. lifting height	475 mm
Blade, max. digging depth	470 mm

## OPERATING WEIGHT (APPR.)

Steel shoes	450 mm	8.090 kg
Rubber shoes	450 mm	8.000 kg
Roadliner shoes	450 mm	8.070 kg

Operating weight, including 1.650 mm arm, mono boom, 0,20 m<sup>3</sup> bucket (ISO 7451), blade, operator, liquids, filled tank and standard equipment (ISO 6016).

## WORKING RANGE

	MONO BOOM		TWO-PIECE BOOM	
	1.650 mm	2.000 mm	1.650 mm	2.000 mm
A Max. digging height	6.315 mm	6.560 mm	7.585 mm	7.915 mm
B Max. dumping height	4.390 mm	4.620 mm	5.600 mm	5.925 mm
C Max. digging depth	3.975 mm	4.325 mm	3.980 mm	4.335 mm
D Max. vertical wall digging depth	2.885 mm	3.215 mm	3.140 mm	3.450 mm
E Max. digging depth of cut for 2,44 m level	3.620 mm	4.015 mm	3.820 mm	4.180 mm
F Max. digging reach	6.775 mm	7.120 mm	7.380 mm	7.725 mm
G Max. digging reach at ground level	6.595 mm	6.945 mm	7.215 mm	7.570 mm
H Min. swing radius (at max. swing)	2.730 (1.925) mm	2.755 (1.945) mm	2.565 (1.755) mm	2.630 (1.820) mm