

KOMATSU

PC88MR-11

EU Stage V Engine

MIDI-EXCAVATOR

PRELIMINARY



PC88MR

ENGINE POWER

50,7 kW / 68,0 HP @ 1.850 rpm

OPERATING WEIGHT

8.500 - 8.750 kg

BUCKET CAPACITY

0,09 - 0,34 m³

Walk-Around

PG88MR-11



ENHANCED FUEL EFFICIENCY AND ENVIRONMENTAL PERFORMANCE

Powerful and Environmentally Friendly

- NEW** • Low consumption EU Stage V engine
- NEW** • Integrated Diesel Particulate Filter (DPF) with 6.000 SMR cleaning interval
- NEW** • Viscous engine fan clutch: -1 dB(A) vs Dash 10
- NEW** • Reduced fuel consumption: -6% vs Dash 10
- NEW** • Higher productivity: +7% vs Dash 10
- NEW** • Up to 26% faster work equipment speed vs Dash 10

Maximized Efficiency

- NEW** • Lehnhoff Powertilt available as factory fit
- NEW** • Attachment auto changeover valve
- NEW** • Attachment oil flow: +12% l/min vs Dash 10
- NEW** • Improved blade shape for improved dozing / loading

First-Class Comfort

- Multi-function monitor with high resolution 7" LCD color display
- Improved operator convenience
- NEW** • Travel hi/lo switch on blade lever
- Rear- and side view camera system
- NEW** • Heated air-suspension seat

Safety First

- NEW** • LED working lights (standard)
- NEW** • Transport height reduced by 20 mm vs Dash 10
- Short tail swing: only 325 mm protrusion over the tracks
- Neutral position detection system
- Emergency engine stop switch
- Seat belt caution indicator

Easy Maintenance

- NEW** • Extended maintenance information displayed on the monitor
- NEW** • Large access doors for maintenance
- NEW** • Single side door for engine maintenance easily accessible from ground level

KOMTRAX

- Komatsu Wireless Monitoring System
- Integrated communication antenna
- NEW** • 4G mobile communications
- NEW** • Increased operational data and reports



ENGINE

Model	Komatsu SAA3D95E-1
Type	Water-cooled, 4-cycle direct injection
Engine power	
at rated engine speed	1.850 rpm
ISO 14396	50,7 kW / 68,0 HP
ISO 9249 (net engine power)	50,6 kW / 67,8 HP
No. of cylinders	3
Bore × stroke	95 × 115 mm
Displacement	2.450 cm ³
Max. torque / engine speed	337 Nm / 1.440 rpm
Air filter type	Dry

HYDRAULIC SYSTEM

Type	Komatsu CLSS
Maximum pump flow	160 l/min
Main pumps	Variable displacement, axial piston

MACHINE DIMENSIONS

A	Transport length	6.430 mm
B	Overall height (to top of boom)	2.615 mm
C	Overall width of upper structure	2.330 mm
D	Overall height of cab	2.760 mm
E	Clearance under counterweight	785 mm
F	Ground clearance	410 mm
G	Tail swing radius	1.485 mm
H	Tumbler centre distance	2.235 mm
I	Track length	2.890 mm
J	Track gauge	1.870 mm
K	Overall track width with 450 mm shoes	2.320 mm
L	Track shoe width (standard)	450 mm
M	Machine tail height (top of engine cover)	1.885 mm
N	Tail length	1.485 mm

WORKING RANGE

A	Max. digging height	6.800 mm
B	Max. dumping height	4.770 mm
C	Max. digging depth	4.565 mm
D	Max. vertical wall digging depth	3.115 mm
E	Max. digging depth of cut for 2,44 m level	4.200 mm
F	Max. digging reach	7.345 mm
G	Max. digging reach at ground level	7.135 mm
H	Min. swing radius	2.900 mm
	Min. swing radius with boom swing	2.545 mm

All dimensions with 3.405 mm mono boom and 2.100 mm arm.

DRIVES AND BRAKES

Steering control	2 levers with pedals giving full independent control of each track
Drive method	Hydrostatic
Reduction system	Planetary gear
Max. travel speeds	
Lo / Hi	2,7 / 5,0 km/h
Maximum drawbar pull	6.950 kgf

UNDERCARRIAGE

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

ENVIRONMENT

Engine emissions	Fully complies with EU Stage V exhaust emission regulations
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