

KOMATSU

PW138MR-11

PRELIMINARY



Midi excavator

Engine power
72.6 kW / 97.3 HP @ 2050 rpm

Operating weight
13000-14300 kg

Bucket capacity
max. 0.40 m³

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High versatility, low fuel-consumption and safe performance in tight spaces

Powerful and environmentally friendly

- NEW** • EU Stage V engine
- NEW** • Komatsu diesel particulate filter (KDPF) with 4500 SMR cleaning interval
- NEW** • Higher productivity: +3%
- 6 selectable working modes
- Adjustable idle shutdown
- Komatsu fuel-saving technology

First-class comfort

- Spacious and comfortable cab
- Fully air-suspended operator station
- Low-noise design
- Widescreen monitor
- NEW** • 100% differential lock
- NEW** • Relocated swing control on joystick lever provides more space in the cab
- NEW** • Attachment changeover via monitor

Total versatility

- Compact short tail design
- 4-wheel steering enabling 3 steering modes
- Excellent mobility in confined work spaces
- NEW** • Komatsu Integrated Attachment Control (KIAC) (option)
- NEW** • Trailer hitches (option)
- NEW** • Lehnhoff Powertilt available as factory fit (option)
- Innovative two-piece boom design
- Standard hammer line
- Second auxiliary circuit
- Standard hydraulic quick-coupler line

Safety first

- Komatsu SpaceCab™
- KomVision surround view system
- NEW** • KomVision 4th camera option
- NEW** • LED lighting standard
- NEW** • Blade/outrigger cylinders with integrated check valve
- Neutral position detection system
- Short tail swing: only 240 mm protrusion over tyres

Komtrax

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



Engine

Model	Komatsu SAA4D95LE
Type	Common rail direct injection, water-cooled, emissionised, turbocharged, after-cooled diesel
Engine power	
at rated engine speed	2050 rpm
ISO 14396	72.6 kW / 97.3 HP
ISO 9249 (net engine power)	72.5 kW / 97.2 HP
No. of cylinders	4
Bore × stroke	95 × 115 mm
Displacement	3260 cm ³

Steering

Hydraulically operated steering system that acts on the front and rear wheels by means of double rod hydraulic cylinders in the axles. The operator can select three kinds of steering by means of an electric switch.

Steering radius	
Two steering wheels	6850 mm
Four steering wheels	4050 mm

Operating weight

With rear blade	13500 kg
With rear outriggers	13350 kg
With blade and outriggers	13950 kg

Operating weight, including 1850 mm arm, 0.33 m³ bucket (ISO 7451), twin tyres, 2 auxiliary lines, quick-coupler line, operator, liquids, filled tank and standard equipment (ISO 6016).

Working range

	Arm length	1850 mm	2000 mm
A	Max. digging height	8585 mm	8725 mm
B	Max. dumping height	6515 mm	6649 mm
C	Max. digging depth	4180 mm	4330 mm
D	Max. vertical wall digging depth	3355 mm	3500 mm
E	Max. digging reach	7950 mm	8100 mm
F	Max. digging reach at ground level	7650 mm	7800 mm
G	Min. swing radius (with work equipment)	3675 mm	3785 mm

Machine dimensions

A	Transport length (with stabilizers)	6170 mm
	Transport length (with blade)	6220 mm
B	Overall height (to top of boom)	3995 mm
C	Overall width (with blade)	2500 mm
	Overall width (with outriggers)	2490 mm
D	Wheel base	2400 mm
E	Distance, boom	2790 mm
F	Distance (with stabilizers)	990 mm
	Distance (with blade)	1045 mm
G	Tail swing radius	1490 mm
H	Overall height (cab)	3150 mm

Hydraulic system

Type	HydrauMind. Closed-centre system with load sensing and pressure compensation valves
Pump for	Two-piece boom, arm, bucket, undercarriage, travelling, attachments and swing circuit
Maximum pump flow	222 l/min
Pump for	Pilot circuit and steering
Maximum pump flow	52 l/min

Environment

Engine emissions	Fully complies with EU Stage V exhaust emission regulations
Noise levels	
LwA external	100 dB(A) (2000/14/EC Stage II)
LpA operator ear	74 dB(A) (ISO 6396 dynamic test)
Vibration levels (EN 12096:1997)	
Hand/arm	≤ 2.5 m/s ² (uncertainty K = 0.58 m/s ²)
Body	≤ 0.5 m/s ² (uncertainty K = 0.22 m/s ²)
Contains fluorinated greenhouse gas HFC-134a (GWP 1430). Quantity of gas 0.7 kg; CO ₂ equivalent 1.0 t	

