

KOMATSU

WA70M-8

EU Stage V Engine

WHEEL LOADER



WA70

ENGINE POWER

46,2 kW / 62,0 HP @ 2.200 rpm

OPERATING WEIGHT

4.980 - 5.300 kg

BUCKET CAPACITY

0,75 - 1,25 m³

Walk-Around

ENHANCED FUEL EFFICIENCY AND ENVIRONMENTAL PERFORMANCE

Powerful and Environmentally Friendly

- NEW** • EU Stage V engine
- NEW** • Integrated Diesel Particulate Filter (DPF)
- NEW** • Greater engine power
- NEW** • High torque at low engine speeds
- NEW** • Wide core radiator with (optional) reversible fan
- Highly efficient hydrostatic drive line

First-Class Comfort

- NEW** • Large multifunctional monitor
- NEW** • Improved, ergonomic control elements
- PPC multi-function lever
- Air conditioner (optional)
- Electronic Controlled Suspension System (ECSS) (optional)



Productive and safe

NEW

- Improved rear visibility, complies with ISO 5006
- High payloads and tipping loads
- Superior breakout force
- Low centre of gravity

Total versatility

NEW

- Variable creep speed (optional)
- Easy Fork (EF) kinematic for parallel movement during fork application
- Hydraulic quick-coupler
- LSD axles

KOMTRAX

NEW

- 4G mobile communications
- Komatsu Wireless Monitoring System
- Integrated communication antenna
- Increased operational data and fuel savings



The Komatsu EU Stage V engine is productive, dependable and efficient and offers increased engine power. It requires no Adblue® to meet emission standards.



Payloads and tipping loads are increased compared to the current model. The more powerful engine operates at highest efficiency. Improved travel and work performance at all operations.



Newly designed, large multi-function monitor and improved, ergonomic control elements.



Standard heated rear window and a newly designed, low-profile exhaust pipe ensure improved rear visibility (to ISO 5006).

ENGINE

Model	Komatsu 4D98E-6SHA
Type	Common rail direct injection, water-cooled, emissionised, turbocharged, after-cooled diesel
Engine power	
at rated engine speed	2.200 rpm
ISO 14396	46,2 kW / 62,0 HP
Max. torque/engine speed	235 Nm/1.430 rpm
No. of cylinders	4
Bore × stroke	98 × 110 mm
Displacement	3,3 l

ENVIRONMENT

Engine emissions	Fully complies with EU Stage V exhaust emission regulations
Noise levels	
LwA external	101 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 = 0,42 m/s ²)
Body	≤ 0,5 m/s ² (uncertainty K = 1,19 m/s ²)

HYDRAULIC SYSTEM

System	Open hydraulic system
Working pressure (max.)	230 bar
Maximum pump flow	60 l/min
No. of boom/bucket cylinders	1/1
Type	Double-action
Hydraulic control lever	Multifunction lever

TRANSMISSION

Drive system	Hydrostatic transmission
Hydrostatic pump	1 variable piston pump
Hydrostatic motor	1 variable piston motor
Speed ranges (forwards/backwards)	2/2
Max. travel speeds (forwards/backwards) 20 km/h version	
1. speed range	0 - 5,0 km/h
2. speed range	0 - 20,0 km/h
Creep	0 - 10,0 km/h

MEASUREMENTS AND WORKING SPECIFICATIONS

		Universal		Light materials		4-in-1	
		w. teeth	w. teeth	w. teeth	w/o teeth	w/o teeth	w. teeth
Bucket capacity (heaped, ISO 7546)	m³	0,85	0,85	1,0	1,25	0,75	0,8
Material density	t/m ³	1,8	1,8	1,6	1,3	1,8	1,65
Bucket weight	kg	300	273	300	336	570	590
Static tipping load, straight	kg	4.220	4.340	4.115	4.040	4.055	4.035
Static tipping load, 40° articulated	kg	3.610	3.715	3.515	3.445	3.430	3.410
Break-out force hydraulic	kN	4.040	4.040	3.535	3.140	3.095	3.095
Lifting capability hydr. at ground level	kN	4.170	4.170	3.635	3.255	3.235	3.235
Operating weight	kg	5.000	4.980	5.010	5.045	5.280	5.300
Turning radius at corner of tyres	mm	3.635	3.635	3.635	3.635	3.635	3.635
Turning radius at bucket edge	mm	4.100	4.100	4.175	4.210	4.170	4.210
Reach at 45°	mm	1.020	926	971	1.045	1.075	1.075
Dump height at 45°	mm	2.335	2.435	2.340	2.270	2.280	2.280
Hinge pin height	mm	3.130	3.130	3.130	3.130	3.130	3.130
Height top edge of bucket	mm	3.940	3.940	3.935	4.110	3.910	3.910
Digging depth	mm	112	104	145	145	113	113
Max. loading height at 45°	mm	2.935	2.935	2.895	2.895	2.920	2.920
Overall length, bucket grounded	mm	5.575	5.435	5.560	5.660	5.650	5.650
Wheelbase	mm	2.050	2.050	2.050	2.050	2.050	2.050
Bucket width	mm	1.800	1.800	1.870	1.870	1.800	1.900
Width over tyres	mm	1.685	1.685	1.685	1.685	1.685	1.685
Track width	mm	1.340	1.340	1.340	1.340	1.340	1.340
Ground clearance	mm	443	443	443	443	443	443
Overall height	mm	2.485	2.485	2.485	2.485	2.485	2.485

All measurements with tyres 365/70 R18 and air condition