

# KOMATSU

## WA80M-8

*EU Stage V Engine*

**WHEEL LOADER**

PRELIMINARY



**ENGINE POWER**

53,7 kW / 72,0 HP @ 2.100 rpm

**OPERATING WEIGHT**

5.690 - 5.995 kg

**BUCKET CAPACITY**

0,8 - 1,25 m<sup>3</sup>

# WA80

## ENHANCED FUEL EFFICIENCY AND ENVIRONMENTAL PERFORMANCE

### *Powerful and Environmentally Friendly*

- NEW** • EU Stage V engine (with DPF)
- NEW** • Greater engine power
- NEW** • Faster travel speed (40 km/h option)
- 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
- Multi-function lever
- Air conditioner (optional)
- Electronic Controlled Suspension System (ECSS) (optional)



### ***Productive and safe***

**NEW**
**NEW**

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

### ***Total versatility***

- Easy Fork (EF) kinematic for parallel movement during fork application
- Hydraulic quick-coupler
- LSD axles
- 100% differential lock (optional)

### ***KOMTRAX***

- Komatsu Wireless Monitoring System
- 3G mobile communications
- 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*



*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 S4D98E-6VHA
Type	Common rail direct injection, water-cooled, emissionised, turbocharged, after-cooled diesel
Engine power	
at rated engine speed	2.100 rpm
ISO 14396	53,7 kW / 72,0 HP
Max. torque/engine speed	295 Nm/1.365 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 <sup>2</sup> (uncertainty K = 0,42 m/s <sup>2</sup> )
Body	≤ 0,5 m/s <sup>2</sup> (uncertainty K = 1,19 m/s <sup>2</sup> )

## HYDRAULIC SYSTEM

System	Open hydraulic system
Working pressure (max.)	270 bar
Maximum pump flow	60 l/min
No. of boom/bucket cylinders	2/1
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
Max. travel speeds (forwards/backwards) 40 km/h version	
1. speed range	0 - 15 km/h
2. speed range	0 - 40 km/h
Creep	0 - 10 km/h

## MEASUREMENTS AND WORKING SPECIFICATIONS

		Universal		Light materials	4-in-1
		w. teeth	w/o teeth	w/o teeth	w. teeth
<b>Bucket capacity (heaped, ISO 7546)</b>	<b>m<sup>3</sup></b>	<b>1,0</b>	<b>1,0</b>	<b>1,25</b>	<b>0,8</b>
Sales code		C61	C11	C14	C16
Material density	t/m <sup>3</sup>	1,8	1,8	1,25	1,8
Bucket weight	kg	330	305	335	590
Static tipping load, straight	kg	4.710	4.740	4.675	4.395
Static tipping load, 40° articulated	kg	3.965	3.990	3.930	3.630
Break-out force hydraulic	kN	49,7	49,7	37,0	44,7
Lifting capability hydr. at ground level	kN	51,0	51,0	38,4	45,2
Operating weight	kg	5.715	5.690	5.720	5.995
Turning radius at corner of tyres	mm	3.875	3.875	3.875	3.875
Turning radius at bucket edge	mm	4.290	4.290	4.440	4.315
Reach at 45°	mm	995	920	1.050	1.030
Dump height at 45°	mm	2.430	2.490	2.335	2.405
Hinge pin height	mm	3.200	3.200	3.200	3.200
Height top edge of bucket	mm	4.100	4.100	4.170	4.010
Digging depth	mm	100	100	135	100
Max. loading height at 45°	mm	3.000	3.000	2.965	2.945
Overall length, bucket grounded	mm	5.640	5.540	5.740	5.720
Wheelbase	mm	2.260	2.260	2.260	2.260
Bucket width	mm	1.915	1.915	1.870	1.900
Width over tyres	mm	1.880	1.880	1.880	1.880
Track width	mm	1.470	1.470	1.470	1.470
Ground clearance	mm	440	440	440	440
Overall height	mm	2.750	2.750	2.750	2.750

All measurements with tyres 405/70 R20 and air condition