

KOMATSU

WA480-8

EU Stage IV Engine

WHEEL LOADER

PRELIMINARY



WA480

ENGINE POWER

223 kW / 299 HP @ 2.000 rpm

OPERATING WEIGHT

max. 26.870 kg

BUCKET CAPACITY

4,9 - 5,9 m³

INCREASED FUEL EFFICIENCY AND ENVIRONMENTAL PERFORMANCE

Up to 15% less fuel consumption with new engine and control systems.

Powerful and Environmentally Friendly

- NEW** • EU Stage IV engine
- Komatsu SmartLoader Logic
- Large-capacity torque converter
- Torque converter lock-up standard
- Adjustable idle shutdown

First-Class Comfort

- NEW** • New, air-suspended operator seat
- NEW** • Komatsu short lever steering (K-SLS) (option)
- Large multifunctional monitor
- Low-noise design
- Low vibration levels
- Rear-view camera system



Images may display optional equipment or specifications not available in your area.

Excellent Stability and Manoeuvrability

- Superior dumping height and reach
- Wide tread and long wheelbase
- Boom suspension system

Simple & Convenient Handling

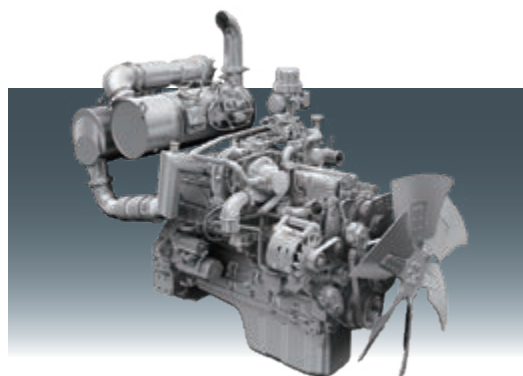
- Electronic Pilot Control (EPC) standard
- EPC-Multifunction lever (option)
- Intelligent gas pedal

Easy Maintenance

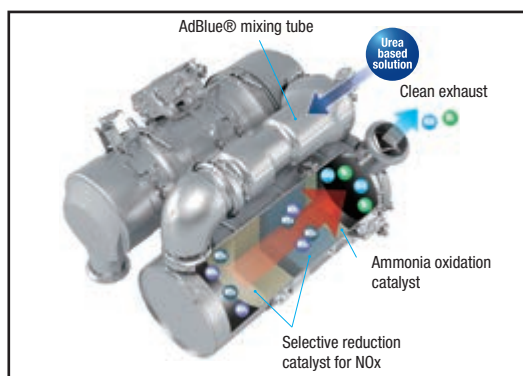
- Wide core radiator with auto reverse fan
- Factory fitted automatic lubrication system
- NEW** • Improved gull-wing type engine doors
- Robust components with a long service life

KOMTRAX

- Komatsu Wireless Monitoring System
- NEW** • 3G mobile communications
- Integrated communication antenna
- NEW** • Increased operational data and fuel savings



New, low consumption Komatsu SAA6D125E-7 engine



New heavy-duty aftertreatment system combines the Komatsu Diesel Particulate Filter (KDPF) and Selective Catalytic Reduction (SCR) to fully comply with EU Stage IV emissions.



New operator seat with integrated EPC lever console ensures maximum operator comfort.



New, improved gull-wing type engine doors for easier and safer maintenance access.



Complimentary maintenance program for customers

ENGINE

Model	Komatsu SAA6D125E-7
Type	Common rail direct injection, water-cooled, emissionised, turbocharged, after-cooled diesel
Engine power	
at rated engine speed	2.000 rpm
ISO 14396	223 kW/299 HP
ISO 9249 (net engine power)	223 kW/299 HP
No. of cylinders	6
Bore × stroke	125 × 150 mm
Displacement	11,04 l
Fan drive type	Hydraulic, reversible

ENVIRONMENT

Engine emissions	Fully complies with EU Stage IV exhaust emission regulations
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CHASSIS AND TYRES

System	4-wheel drive
Front axle	Komatsu HD axle, semi-floating, (LSD-differential optional)
Rear axle	Komatsu HD axle, semi-floating, 26° swing angle (LSD-differential optional)
Differential	Spiral bevel gear pair
Final drive	Planetary gear in an oil bath
Tyres	26.5 R25

BRAKES

Operating brakes	Hydraulically actuated, wet multidisc brakes on all wheels
Parking brake	Wet multi-disc
Emergency brake	Uses the parking brake

HYDRAULIC SYSTEM

Type	Komatsu CLSS (Closed Centre Load Sensing System)
Hydraulic pump	Variable piston pump
Working pressure	350 kg/cm ²
Maximum pump flow	260 l/min
No. of hydraulic/ bucket cylinders	2/1
Type	Double-action
Bore diameter × stroke	
Boom cylinder	140 × 881 mm
Bucket cylinder	180 × 572 mm
Hydraulic cycle with rated load bucket filling	
Raise time	6,4 s
Lowering time (empty)	3,8 s
Dumping time	1,9 s

TRANSMISSION

Type	Automatic powershift transmission
Torque converter	One-stage, two-phase, 3-element, with lock-up clutch

MEASUREMENTS AND WORKING SPECIFICATIONS

		Universal		Stockpile	Rehandling
		w. teeth	w. teeth	w. BOC	w. BOC
Bucket capacity (heaped, ISO 7546)	m³	4,65	4,8	5,0	5,6
Sales code		C03	C45	C17	C33
Material density (max.)	t/m ³	1,8	1,7	1,6	1,6
Bucket weight	kg	2.260	2.570	2.290	2.630
Static tipping load, straight	kg	20.915	20.720	20.800	20.620
Static tipping load, 40° articulated	kg	18.530	18.340	18.515	18.220
Break-out force hydraulic	kN	244	240	217	197
Operating weight	kg	25.495	25.800	25.605	26.050
Turning radius at corner of tyres	mm	7.000	7.000	7.000	7.000
Turning radius at bucket edge	mm	7.750	7.780	7.735	7.780
Reach at 45°	mm	1.530	1.595	1.440	1.555
Dump height at 45°	mm	3.045	2.980	3.090	2.990
Hinge pin height	mm	4.485	4.485	4.485	4.485
Height top edge of bucket	mm	6.170	6.160	6.140	6.255
Digging depth	mm	130	160	160	155
Max. loading height at 45°	mm	4.160	4.160	4.160	4.160
Overall length, bucket grounded	mm	9.400	9.350	9.330	9.645
Wheelbase	mm	3.450	3.450	3.450	3.450
Bucket width	mm	3.165	3.170	3.170	3.380
Width over tyres	mm	3.010	3.010	3.010	3.010
Track width	mm	2.300	2.300	2.300	2.300
Ground clearance	mm	500	500	500	500
Overall height	mm	3.575	3.575	3.575	3.575