

KOMATSU

WA475-10

EU Stage V Engine

WHEEL LOADER

PRELIMINARY



ENGINE POWER

216 kW / 290 HP @ 1.600 rpm

OPERATING WEIGHT

24.500 kg

BUCKET CAPACITY

4,2 - 4,9 m³

WA475

Walk-Around

Enhanced fuel efficiency and environmental performance

Up to 17% less fuel consumption and 30% higher fuel efficiency with the new Komatsu Hydraulic Mechanical Transmission.

WA475-10



Powerful and Environmentally Friendly

- NEW** • EU Stage V engine
- NEW** • Komatsu Hydraulic Mechanical Transmission (KHMT)
- NEW** • 15% higher engine torque, at lower rpm
- NEW** • 20% higher lifting power
- NEW** • 9% higher break-out force
- High efficiency buckets

First-Class Comfort

- NEW** • Completely redesigned cab
- NEW** • All-around glass surface, larger front window
- NEW** • Tinted UV-protection glass
- NEW** • Improved air conditioning
- NEW** • Height-adjustable monitor for the rear-view camera system

Simple & Convenient Handling

- NEW** • New monitoring system
- NEW** • Uphill assist
- NEW** • Speed dial
- NEW** • Variable Power Control
- NEW** • 10% higher steering force

Safety features

- NEW** • Improved visibility
- NEW** • Full LED lighting system
- NEW** • Front cleaning step
- NEW** • Front fender extension

Easy Maintenance

- NEW** • One-piece, tiltable engine hood
- NEW** • KHMT self-braking
- Reduced maintenance costs

KOMTRAX

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



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	1.600 rpm
ISO 14396	216 kW/290 HP
ISO 9249 (net engine power)	216 kW/290 HP
No. of cylinders	6
Bore × stroke	125 × 150 mm
Displacement	11,04 l
Fan drive type	Hydraulic, reversible

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)
Tyres	26.5 R25

HYDRAULIC SYSTEM

Type	Komatsu CLSS (Closed Centre Load Sensing System)
Hydraulic pump	Variable piston pump
Working pressure	360 kg/cm ²
Maximum pump flow	306 l/min
No. of hydraulic/ bucket cylinders	2/1
Type	Double-action
Bore diameter × stroke	
Boom cylinder	150 × 764 mm
Bucket cylinder	180 × 540 mm
Hydraulic cycle with rated load bucket filling	
Raise time	5,8 s
Lowering time (empty)	3,1 s
Dumping time	1,6 s

TRANSMISSION

Type	Komatsu Hydraulic Mechanical Transmission (KHMT)
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ENVIRONMENT

Engine emissions	Fully complies with EU Stage V exhaust emission regulations
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MEASUREMENTS AND WORKING SPECIFICATIONS

		High efficiency bucket with raised bottom		High efficiency bucket with flat bottom		High efficiency bucket with flat bottom	
		w. teeth	w. BOC	w. teeth	w. BOC	w. teeth	w. BOC
Bucket capacity (heaped, ISO 7546)	m³	4,5	4,7	4,5	4,7	4,2	4,4
Sales code		C76	C77	C32	C33	C52	C53
Material density (max.)	t/m ³	1,7	1,6	1,7	1,6	1,8	1,7
Bucket weight	kg	2.255	2.295	2.360	2.395	2.285	2.320
Static tipping load, straight	kg	18.795	18.620	18.665	18.490	18.820	18.640
Static tipping load, 40° articulated	kg	16.285	16.130	16.160	16.005	16.310	16.145
Break-out force hydraulic	kN	197	188	197	188	205	195
Break-out force hydraulic, ground level	kN	239	235	237	234	239	235
Operating weight	kg	25.125	25.165	25.230	25.265	25.155	25.190
Turning radius at corner of tyres	mm	6.265	6.265	6.265	6.265	6.265	6.265
Turning radius at bucket edge	mm	7.080	7.020	7.080	7.020	7.055	7.000
Reach at 45°	mm	1.590	1.450	1.590	1.450	1.530	1.395
Dump height at 45°	mm	2.765	2.885	2.765	2.885	2.820	2.945
Hinge pin height	mm	4.345	4.345	4.345	4.345	4.345	4.345
Height top edge of bucket	mm	6.090	6.090	6.090	6.090	6.030	6.030
Digging depth	mm	150	180	150	180	150	180
Max. loading height at 45°	mm	4.030	4.030	4.030	4.030	4.030	4.030
Overall length, bucket grounded	mm	9.440	9.270	9.440	9.270	9.360	9.195
Wheelbase	mm	3.450	3.450	3.450	3.450	3.450	3.450
Bucket width	mm	3.000	3.000	3.000	3.000	3.000	3.000
Width over tyres	mm	3.060	3.060	3.060	3.060	3.060	3.060
Track width	mm	2.300	2.300	2.300	2.300	2.300	2.300
Ground clearance	mm	500	500	500	500	500	500
Overall height	mm	3.480	3.480	3.480	3.480	3.480	3.480