

KOMATSU

WA900-8

EU Stage V Engine

WHEEL LOADER

PRELIMINARY



WA900

ENGINE POWER

672 kW / 901 HP @ 2.050 rpm

OPERATING WEIGHT

116.400 kg

BUCKET CAPACITY

11,5 - 14,5 m³

Walk-Around

**23.200 KG RATED PAYLOAD.
BEST IN CLASS.**

W/A 900-8

Powerful and Environmentally Friendly

- NEW** • EU Stage V engine
- NEW** • Large-capacity torque converter
- NEW** • Komatsu SmartLoader Logic
- NEW** • Variable traction control
- NEW** • Engine RPM set system with auto deceleration
- NEW** • Adjustable idle shutdown

First-Class Comfort

- NEW** • Newly designed cab
- NEW** • New, air-suspended operator seat with integrated EPC and Advanced Joystick Steering System lever consoles
- NEW** • Large multifunctional monitor
- NEW** • Improved, ergonomic control elements

KOMTRAX PLUS

- Increased operational data and fuel savings



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

Productive and safe

- NEW** • High efficiency buckets
- NEW** • Auto digging function
- NEW** • Semi-auto dump truck approach system
- NEW** • Semi-auto dump system
- NEW** • Auto kick-down
- NEW** • PLM meter

Safety Features

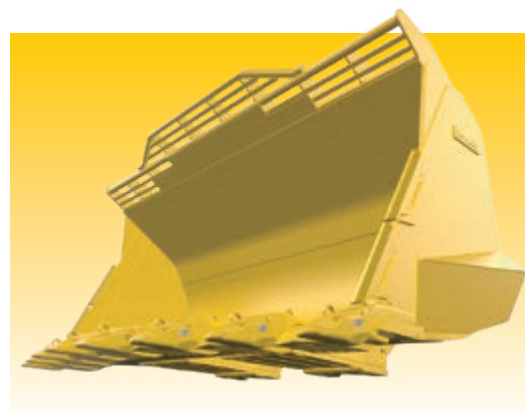
- NEW** • KomVision surround view system
- NEW** • Emergency engine stop switches
- NEW** • Machine lock-out switch for hydraulics, battery and starter
- NEW** • Starter receptacle
- NEW** • Full LED lighting for improved visibility

Reliability & Maintenance Features

- NEW** • High-rigidity frames and loader linkage
- NEW** • Swing-out cooling fan and wide core radiator
- NEW** • Modular radiator core
- NEW** • Service center



The Komatsu EU Stage V engine is productive, dependable and fuel efficient.



Soil slips easily from the redesigned bucket, and digging is more efficient. Operations are easier and productivity improved, especially in combination with the new auto dig system.



Completely redesigned cab and new, air-suspended operator seat with integrated EPC and Advanced Joystick Steering System lever consoles



Power ladder (optional) provides safer access and egress.



A maintenance program for Komatsu customers

ENGINE

Model	Komatsu SAA12V140E-7
Type	Common rail direct injection, water-cooled, emissionised, turbocharged, after-cooled diesel
Engine power	
at rated engine speed	2.050 rpm
ISO 14396	672 kW / 901 HP
No. of cylinders	12
Bore × stroke	140 × 165 mm
Displacement	30,48 l

ENVIRONMENT

Engine emissions	Fully complies with EU Stage V exhaust emission regulations
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HYDRAULIC SYSTEM

Type	Komatsu CLSS (Closed Centre Load Sensing System)
Hydraulic pump	Variable piston pump
Working pressure	350 kgf/cm ²
Maximum pump flow	4 × 230 l/min
No. of hydraulic/bucket cylinders	2/1

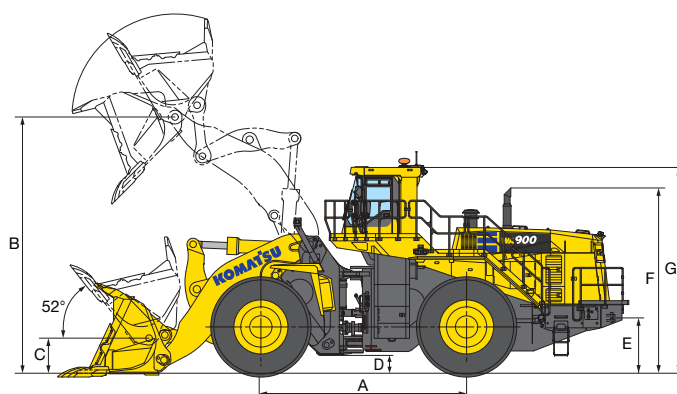
TRANSMISSION

Type	Full-powershift, planetary type
Torque converter	3-element, 1-stage, 1-phase

MEASUREMENTS AND WORKING SPECIFICATIONS

		High-lift
Tread	3.350 mm	3.350 mm
Width over tyres	4.585 mm	4.585 mm
A Wheel base	5.600 mm	5.600 mm
B Hinge pin height	6.975 mm	7.485 mm
C Hinge pin height, carry position	955 mm	1.050 mm
D Ground clearance	485 mm	485 mm
E Hitch height	1.510 mm	1.510 mm
F Overall height, top of the stack	5.040 mm	5.040 mm
G Overall height, ROPS cab	5.600 mm	5.600 mm

Dimensions with 45/65 R45 (L-5) tyres



		Excavating bucket Spade nose teeth and segments ¹⁾	High-lift Excavating bucket Spade nose teeth and segments
Bucket capacity	heaped	13,0 m ³	11,5 m ³
	struck	11,0 m ³	9,9 m ³
Bucket width		4.935 mm	4.935 mm
Bucket weight		13.115 kg	12.215 kg
Dumping clearance, max. height and 45° dump angle ²⁾		4.610 mm	5.225 mm
Reach at max. height and 45° dump angle ²⁾		2.685 mm	2.555 mm
Reach at 2.130 mm clearance and 45° dump angle ²⁾		3.970 mm	4.240 mm
Reach with arm horizontal and bucket level ²⁾		5.245 mm	5.445 mm
Operating height (fully raised)		9.780 mm	10.155 mm
Overall length		15.355 mm	15.610 mm
Loader clearance circle diameter (bucket at carry, outside corner of bucket)		23.340 mm	23.640 mm
Digging depth ³⁾	0°	225 mm	225 mm
	10°	660 mm	630 mm
Static tipping load	straight	71.840 kg	65.620 kg
	40° full turn	63.610 kg	58.100 kg
Breakout force		71.900 kgf / 705 kN	77.000 kgf / 755 kN
Operating weight		116.400 kg	116.720 kg

¹⁾ New shape bucket. ²⁾ At the end of tooth. ³⁾ At the end of segment edges.

All dimensions, weights, and performance values based on ISO 7131 and 7546 standards. Static tipping load, operating weight and overall length shown include lubricant, coolant, full fuel tank, ROPS (ISO 3471) cab and operator. Machine stability and operating weight affected by counterweight, tire size, and other attachments.