

WHEEL DOZER

WD900-3

FLYWHEEL HORSEPOWER: 637kW 853 HP @2,000RPM
BLADE CAPACITY: 26.0m³ 34.0cu.yd
OPERATING WEIGHT: 100,000 kg 220,460 lb



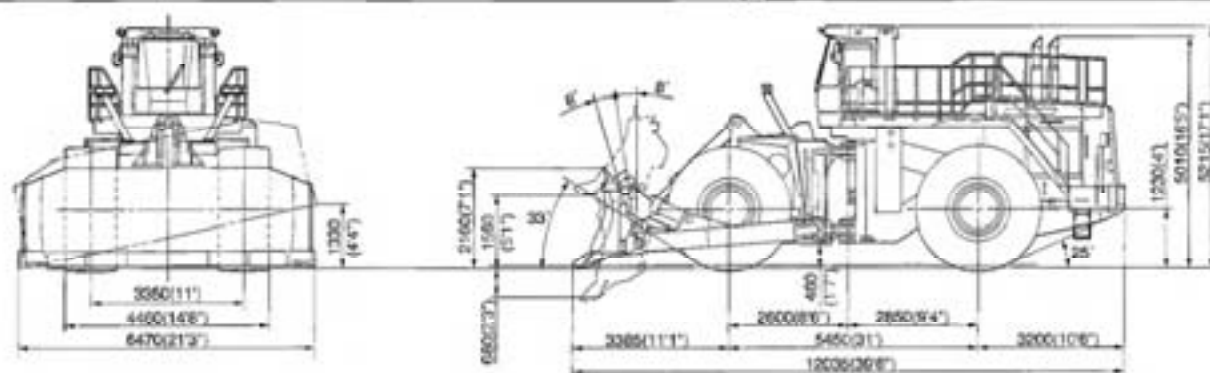
Model shown may include optional equipment.

- *The powerful Komatsu SA12V140 engine provides fuel-efficient operation*
- *Roomy, quiet cab with high-capacity air conditioner substantially reduces operator fatigue*
- *Down-Shift switch on the blade control lever is effective to dozing operations*
- *Automatic shift control gives the operator maximum control with minimum effort*
- *Stick-steer control system is an efficient, low-effort steering system*
- *Komatsu viscous damping cab mounts reduce vibration and noise*
- *Adjustment-free service brake accounts for higher performance and reduced downtime*
- *High-quality components are used for superior reliability and availability*

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DIMENSIONS

(Unit:mm ft.in)



Blade type	Semi-U blade	Coal blade
Blade capacity (SAE Rated)	26.0 m ³ (34.0 cu.yd)	45.0 m ³ (58.9 cu.yd)
Blade width	6,470 mm (21'3")	7,400 mm (24'3")
Max. lift above ground	1,560 mm (5'2")	1,560 mm (5'1")
Max. drop below ground	660 mm (2'3")	660 mm (2'3")
Max. tilt adjustment	1,330 mm (4'4")	1,710 mm (5'7")
Max. pitch angle adjustment	±6°	±6°

SPECIFICATIONS

ENGINE

Model	Komatsu SA12V140
Type	Water-cooled, 4-cycle
Aspiration	Turbocharged
No. of cylinders	12
Bore × stroke	140mm × 165mm 5.5" × 6.5"
Piston displacement	30.5 ltr. 1,861 cu.in
Performance:	
Flywheel horsepower	637 kw 853 HP (SAE J1349)
Rated RPM	637 kw 865 PS (DIN 6270)
Rated RPM	2,000 RPM
Fuel system	Direct injection

TRANSMISSION

Torque converter:	
Type	3-element, single-stage, single-phase
Transmission:	
Type	Full-powershift, planetary gear type

Travel speed: km/h MPH

		Measured with 45/65 R45 XLDD tires			
	1st	2nd	3rd		
Forward	7.0	4.3	12.3	7.6	28.0
Reverse	7.1	4.4	12.4	7.7	28.3

AXLES & FINAL DRIVES

Drive system	Four-wheel drive
Front	Fixed, full-floating
Rear	Center-pin-support, full-floating ±11° oscillation
Reduction gear	Spiral bevel gear
Differential gear	Straight bevel gear
Final reduction gear	Planetary gear, single reduction, oil bath

TIRES

Front and rear : 45/65 R45 XLDD(L4)
Rims : 36.00-45

BRAKES

Service brakes: 4-wheel, systematic brake for front/rear wheel, hydraulically actuated, wet disc
Parking brake: Dry-disc type, hydraulic released, spring applied on front axle input shaft
Emergency brake: Uses parking brake

STEERING SYSTEM

Type	Articulated type, full-hydraulic power steering
Steering angle	40° each direction
Minimum turning radius at the center of outside tire	9,200 mm 30' 2"

HYDRAULIC SYSTEM

Steering system:	
Hydraulic pump	Piston pump
Relief valve setting	320 kg/cm ² 4,550 PSI
Hydraulic cylinders:	
Type	Double-acting, piston type
No. of cylinders	2
Bore × stroke	160 mm × 503 mm 6.3" × 19.8"
Dozer control:	
Hydraulic pump	Two-piston pumps, one for switch pump
Relief valve setting	320 kg/cm ² 4,550 PSI
Hydraulic cylinders:	
Type	Double-acting, piston type
No. of cylinders-bore × stroke:	
Lift cylinder	1- 200 mm × 1,300 mm 7.9" × 51.2"
Tilt cylinder	2- 225 mm × 240 mm 8.9" × 9.4"
Control valve	Double spool type, pilot control
Control positions:	
Blade lift control	Raise, hold lower and float
Blade tilt and pitch control	Tilt-left, hold and tilt-right, pitch for forward and back

ROPS & CAB

Structure complies with ISO 3471 and SAE J1040c ROPS (Roll-Over Protective Structure) standards, as well as ISO 3449 FOPS (Falling Object Protective Structure) standards. The cab is mounted on viscous mount and well insulated.

SERVICE REFILL CAPACITIES

Cooling system	301 ltr. 79.5 U.S.gal
Fuel tank	1,430 ltr. 377.8 U.S.gal
Engine	132 ltr. 34.9 U.S.gal
Hydraulic system	725 ltr. 191.5 U.S.gal
Axle (each front and rear)	360 ltr. 95.1 U.S.gal
Torque converter and transmission	140 ltr. 37 U.S.gal

This specification sheet may contain attachments and optional equipment that are not available in your area. Please consult your local Komatsu distributor for those items you may require. Materials and specifications are subject to change without notice.

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