

WHEEL DOZER

WD500-3

FLYWHEEL HORSEPOWER : 235kW 315HP @2100RPM
OPERATING WEIGHT : 26900kg

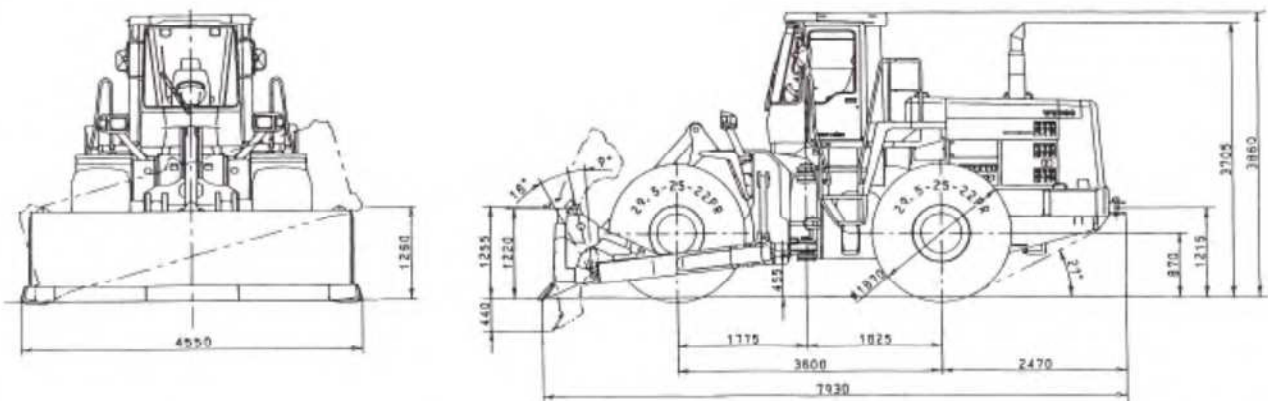


Model shown may include optional equipment.

- *Komatsu components throughout the machine assure years of reliability and high-performance service.*
- *Adjustment-free wet disc brakes for steady braking and extended service life.*
- *Electronic Display and Monitoring System for minimized maintenance.*
- *A Large drawbar horsepower with fuel-efficient, powerful Komatsu S6D140E turbocharged diesel engine for high productivity and maneuverability.*
- *Fingertip control with Electrically Controlled Transmission.*
- *A tiltable steering wheel and fully adjustable suspension seat*

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DIMENSIONS



unit : mm

SPECIFICATIONS

PERFORMANCE:

Travel speeds:

Forward	1st	7.1km/h
	2nd	12.6km/h
	3rd	21.2km/h
	4th	34.8km/h
Reverse	1st	7.9km/h
	2nd	14.1km/h
	3rd	23.5km/h
	4th	38.1km/h

Max. rim pull 26500kg

Turning radius:

Outside corner of blade	7485mm
Center of outside wheel	6160mm

DIMENSIONS

Overall length	7930mm
Overall width, without blade	3190mm
Overall height	(ROPS) 3860mm
Wheelbase	3600mm
Tread, front and rear	2400mm
Min. ground clearance	455mm

OPERATING WEIGHT 26900kg

DOZER EQUIPMENT:

Type	Hydraulic tilting & pitching
Max. lift above ground	1255mm
Max. drop below ground	440mm
Max. tilt adjustment	1260mm

Blade:

Width	4550mm
Height	1220mm

ENGINE:

Model	Komatsu S6D140E
Type	Water-cooled, 4cycle, direct-injection, over head valve, turbocharged diesel engine
No. of cylinders-bore x stroke	6-140 mm x 165mm
Piston displacement	15.2 ℓ
Flywheel horsepower	235kw 315HP / 2100rpm

TORQUE CONVERTER:

Type	3-element, single stage, single phase
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TRANSMISSION:

Type	Automatic planetary gear type, multiple-disc clutch hydraulically actuated, forced lubrication
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AXLE:

Drive system	Four wheel drive
Front	Fixed, full floating
Rear	Center pin support, full floating

WHEELS:

Tires	29.5-25-22PR
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BRAKES:

Service brake	Hydraulically wet type multiple disks brakes, actuated all four wheels
Parking brake	Wet, multiple-disc brake actuates front drive shaft
Emergency brake	Parking brake actuates as emergency brake

STEERING:

Type	Articulated type, full hydraulic power steering
Steering angle	40, each direction

HYDRAULIC SYSTEM:

Steering:	
Hydraulic pump	Gear pump
Relief valve setting	20.6Mpa 210 kg /cm ² (2990PSI)
Hydraulic cylinder:	
Type	Double acting, piston type
No. of cylinders-bore x stroke	2-110mm x 486mm
Control valve	Rotary valve + demand valve

Dozer control:

Hydraulic pump	2 gear pumps, one for switch pump
Relief valve setting	20.6Mpa 210 kg /cm ² (2990PSI)
Hydraulic cylinder:	
Type	Double acting, piston type
No. of cylinders-bore x stroke	

Lift cylinder.....1-140mm x 1020mm

Tilt cylinder.....2-140mm x 239mm

Control valve Double spool type, pilot control

HITCH:

Type	Fixed type
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Specifications are subject to change without notice.

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