

## WHEEL DOZER

# WD500-3

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

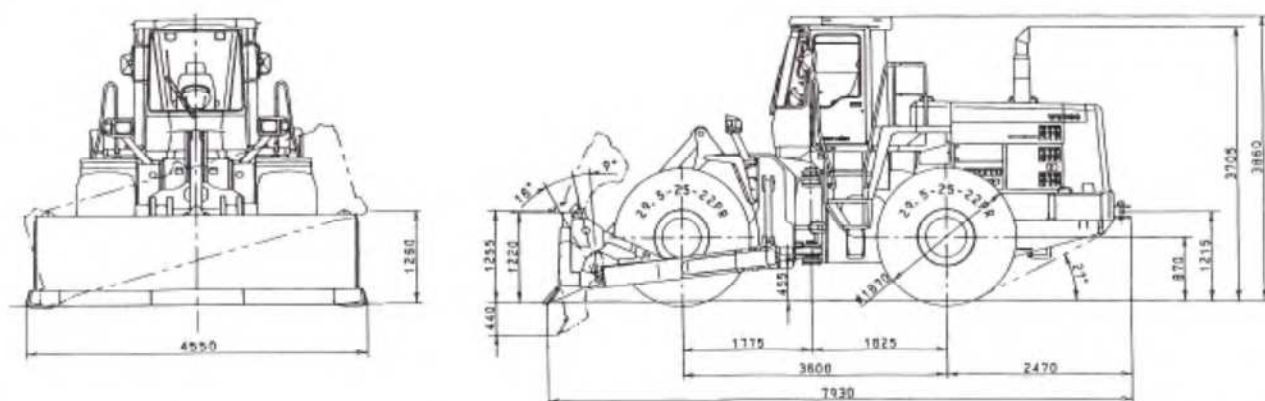


Model shown may include optional equipment.

- *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 turbochaeged diesel engine for high producutivity and maneuverability.*
- *Fingertip control with Electrically Controlled Transmission.*
- *A tiltable steering wheel and fully adjustable suspension seat*

# KOMATSU

## 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	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

## TRANSMISSION:

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

## AXLE.

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

## WHEELS:

Tires ..... 29.5-25-22PR

## 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 <sup>2</sup> (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 <sup>2</sup> (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

Specifications are subject to change without notice.

KOMATSU

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