

D O O S A N D A E W O O · W H E E L · L O A D E R

# MEGA 500-v

## DOOSAN DAEWOO NEW WHEEL LOADER

- Operating Weight : 29,000kg (63,934 lb) (W/O ROPS)  
29,800kg (65,698 lb) (W/ROPS)
- Bucket Capacity : 4.8 m<sup>3</sup> (6.3 cu -yd)
- Rated Engine Power : 250kw (335HP)/2,100 rpm



Infracore





## Cab

Modular cab. Excellent all-round visibility.

The ROPS/FOPS complies with the following standards:

ROPS - ISO3471-SAE 1040

FOPS - ISO 3449/SAE J 231

- External sound power level
- Guaranteed sound power level .....Lwa 109 dB(A)  
(According to EU Directive 2000/14/EC)



## Capacities

### ENGINE

Lube oil ..... 34 litres (9gal)

Coolant ..... 60 litres (16gal)

Fuel tank ..... 480 litres (127gal)

Transmission oil ..... 50 litres (13gal)

Hydraulic system ..... 300 litres (79gal)

### AXLES

Front ..... 50 litres (13gal)

Rear ..... 50 litres (13gal)

## Standard equipment

- Car stereo(AM / FM)
- 2 Road lights with high / low beams
- 2 Front directional indicators
- 2 Combination : tail light, stop light and directional indicators
- 2 Front and rear working lights
- Hourmeter, speedometer and tachometer
- Electronic display / monitoring system
- Engine coolant temp. gauge
- Torque converter oil temp. gauge
- Fuel level indicator
- Horn
- Fuel level indicator
- Neutral safety start system
- Axle oil cooling system
- Fully adjustable suspension seat and seat belt
- Cab with window washer and wipers and rear view mirrors
- Sunvisor, sliding door windows (LH Only)
- Arm Rest & Wrist Rest
- Front and rear fenders
- Rear frame side covers
- Heater and defroster
- Air conditioner
- Wheel chocks
- Pull hitch
- Automatic electro-magnetic return to dig
- Boom kick - out
- Engine derating system

## Optional equipment

- ROPS canopy
- Auxiliary hydraulic function
- Emergency steering
- Fuel feeding pump
- Fork equipment
- Boom float kick-out
- Rotating beacon
- Under guard
- LIS (Boom suspension) system
- 3-spool piping

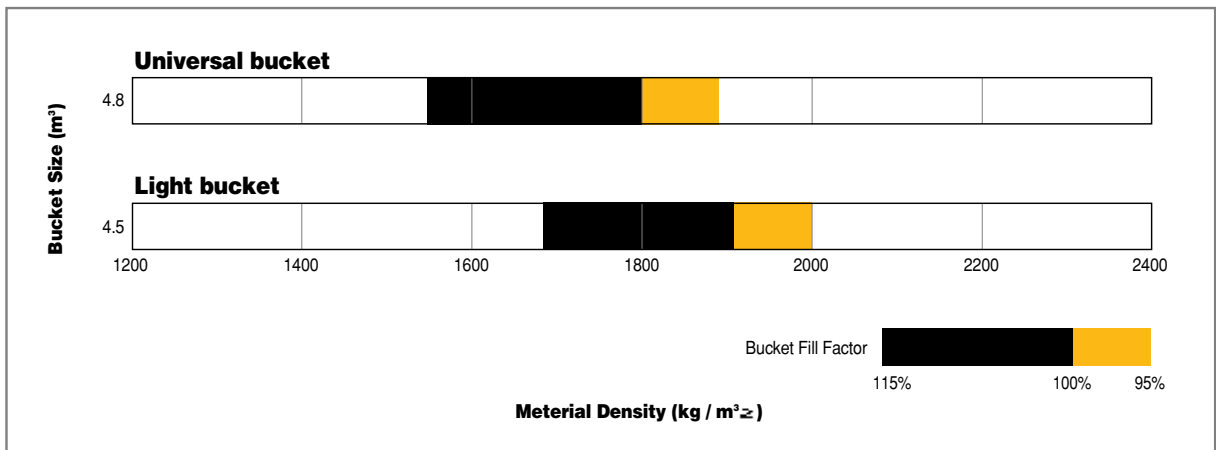
## Weights and dimensions (supplemental specifications)

	Operating weight	Overall width (Outside tires)	Vertical dimension	Static tipping load-straight
Remove ROPS	-600 kg (-1,323 lb)	—	—	-500 kg (-1,102 lb)
29.5-R25 VSNT (L4)	+970 kg (+2,139 lb)	—	+35 mm (+1.38 inches)	+800 kg (-1,764 lb)
29.5-R25 VSDL (L5)	+2,000 kg (+4,410 lb)	—	+40 mm (1.57 inches)	+1,600 kg (+3,527 lb)
29.5-R25 XHA TL (L3)	+400 kg (+882 lb)	—	—	+320 kg (+705 lb)

## Typical material densities-Loose

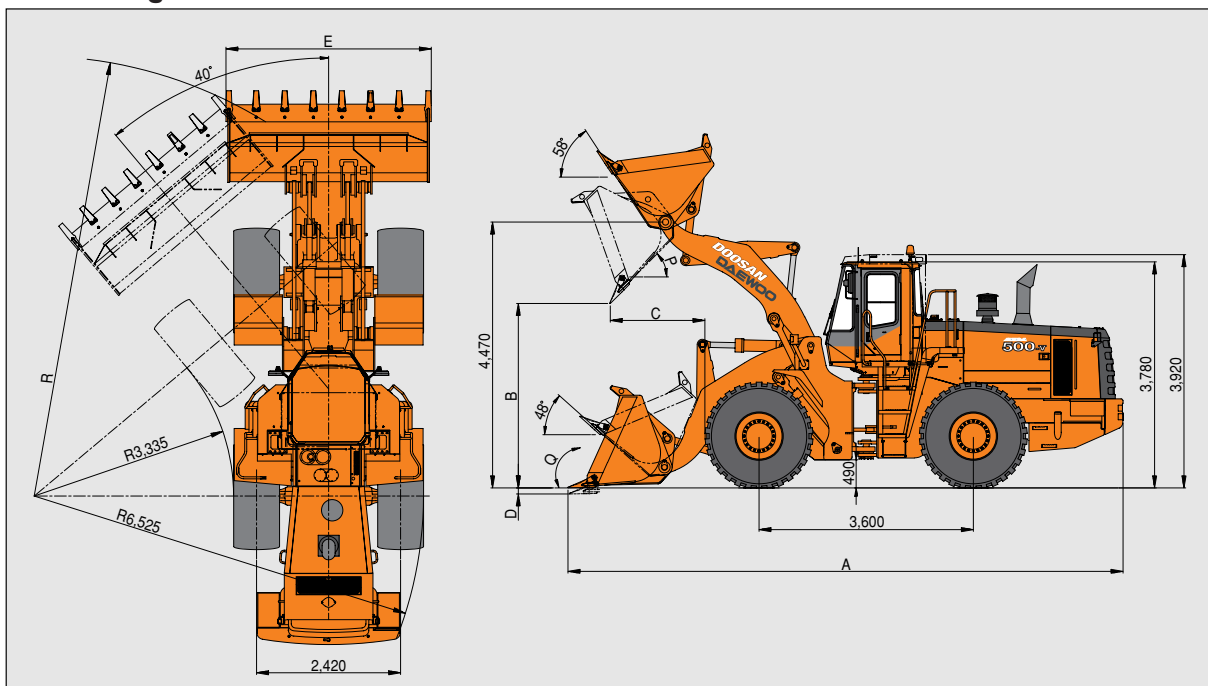
Material	Condition	Density kg/m (lb / yd)	Material	Condition	Density kg/m <sup>3</sup> (lb / yd <sup>3</sup> )
Gravel	dry	1,510 (2,545)	Clay	natural	1,660 (2,800)
	dry, 6-50 mm	1,690 (2,850)		dry	1,480 (2,495)
	wet, 6-50 mm	2,020 (3,405)		wet	1,660 (2,800)
Sand	dry	1,420 (2,395)	Limestone	soft	1,540 (2,595)
	damp	1,690 (2,850)		hard	1,650 (2,780)
	wet	1,840 (3,100)	Stone	crushed	1,600 (2,700)
Clay & Gravel	dry	1,420 (2,395)	Granite	broken	1,660 (2,800)
	wet	1,540 (2,595)	Slag	broken	1,750 (2,950)
Earth	dry	1,510 (2,545)	Gypsum	broken	1,810 (3,050)
	wet	1,600 (2,700)		crushed	1,600 (2,700)
Sand & Clay	loose	1,600 (2,700)	Basalt		1,960 (3,305)
Sand & Gravel	dry	1,720 (2,900)	Slate		1,250 (2,105)
	wet	2,020 (3,405)	Sandstone		1,510 (2,545)

## Bucket selection guide / Material densities



# Dimension

## Z-bar linkage



## Specifications

Bucket type	Unit	Universal bucket		Rock-V
		Teeth	Cutting edge	Spade Nose with Teeth
Capacity heaped	m <sup>3</sup> (yd <sup>3</sup> )	4.8(6.3)	5.2(6.8)	4.5(5.9)
Bucket weight	kgf (lb)	2,500(5,512)	2,700(5,952)	2,800(6,173)
E Bucket width	mm (ft · in)	3,480(11'5")	3,480(11'5")	3,480(11'5")
Static tipping load, straight	kgf (lb)	23,000(50,706)	22,830(50,332)	22,750(50,155)
ful turn(40°)	kgf (lb)	19,800(43,652)	19,660(43,343)	19,600(43,210)
Breakout force	kgf (lb)	27,000(59,525)	25,000(55,115)	24,500(54,013)
A Overall length	mm (ft · in)	9,320(30'7")	9,170(30'1")	9,450(31')
B Dump Height at 45°	mm (ft · in)	3,080(10'1")	3,200(10'6")	3,030(10')
C Dump Reach at 45°	mm (ft · in)	1,520(4'12")	1,410(4'8")	1,480(4'10")
D Digging depth	mm (ft · in)	102(4")	90(3.5")	120(4.8")
R Turning radius at bucket	mm (ft · in)	7,330(24')	7,275(23'10")	7,200(23'7")
Q Max. tilt angle on ground	deg	43	43	43
P Max. dump angle at fully raised	deg	47	47	47
Operating weight (with ROPS Cabin)	kgf (lb)	29,800(65,698)	30,000(66,139)	30,100(66,359)

Measured to the tip of the bucket teeth or cutting edge with tires 29.5X25 (L3)



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- Specifications are subject to change without prior notice

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