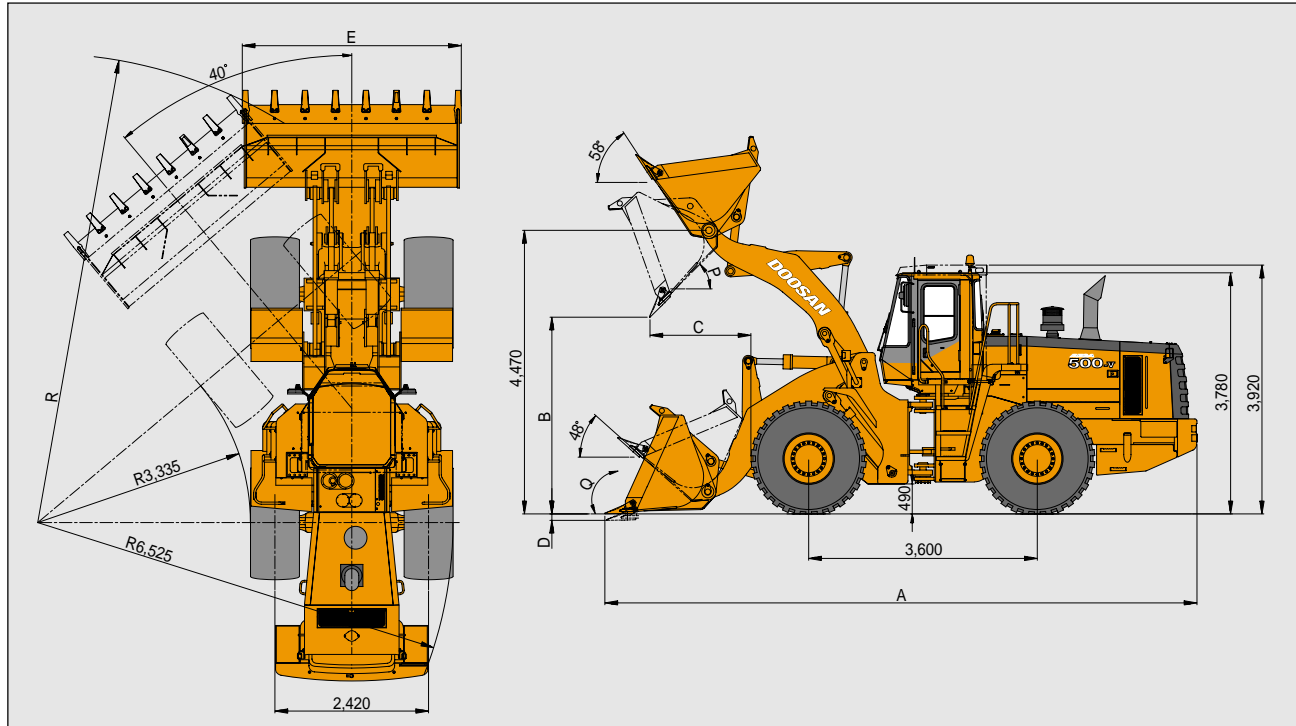


Dimension

Z-bar linkage



Specifications

| Bucket type | Unit | Universal bucket | | Rock-V |
|---------------------------------------|-----------------------------------|------------------|----------------|-----------------------|
| | | Teeth | Cutting edge | Spade Nose with Teeth |
| Capacity heaped | m ³ (yd ³) | 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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PBP M500W500 0701

The illustrations do not necessary show the product in standard version.
All products and equipments are not available in all markets.
Materials and specifications are subjects to change without prior notice.



Doosan Infracore
Construction Equipment

MEGA500V

Engine Power : SAE J 1349,net 250kw(335HP)@2,100rpm

Operational Weight : 22,610kg (63,934 lb) (W/O ROPS)

29,800kg (65,698 lb) (W/ROPS)

Bucket capacity(SAE) : 4.8m³(6.3 cu.yd)





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

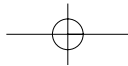
| | |
|-------------|-------------------|
| Front | 50 litres (13gal) |
| Rear | 50 litres (13gal) |

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 ≥ (lb / yd ≥) |
|---------------|--------------|------------------------|-----------|-----------|----------------------------|
| 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

