

D A E W O O · W H E E L · L O A D E R

MEGA **200-V**

DAEWOO NEW WHEEL LOADER

- Operating Weight : 11,000kg (24,250lb)
- Bucket Capacity : 1.8 m³ (2.35cu ·yd)
- Rated Engine Power : 103kw(138HP)/2,200 rpm



Specifications



Engine "Emissions Certified"

Make and model DAEWOO DB58Ti diesel engine
 Type 4-Cycle, Turbo charger & charge water intercooler, direct injection
 Flywheel horse power (SAE J 1349, Gross) 143HP (107kw) / 2,200rpm
 (SAE J 1349, Net) 138HP (103kw) / 2,200rpm
 Max torque (SAE J 1349) 57kg.m (412 ft-lb) / 1,500rpm
 Total displaceme 5.8 liter (353 in³)
 No. of cylinders 6
 Bore x stroke 102 (4") x 118 (4.6")
 Cooling type Sucker plastic fan (26") driven by hydraulic fan moter
 (fT European noise reduction kit)
 Air cleaner Dry type(double stage)



Electrical system

Voltage 24v
 Batteries, in series 2; 12v
 - total capacity 100 Ah
 - type maintenance-free
 Starter motor 24v; 4.5 Kw
 Alternator capacity 50A



Torque converter

Type single stage / three phase
 Torque stall ratio 2.91



Transmission

Type: Full Auto Power-shift countershaft design with four forward and three reverse speeds.

Control: single lever electric "fingertip" type.

Forward speeds

	17.5x25 (STD)	20.5x25(OPT)
1	7.3 (4.5)	8.2 (5.1)
2	12.7 (7.9)	14.3 (8.9)
3	22.0 (13.7)	25.0 (15.5)
4	36.0 (22.4)	39.0 (24.2)

Reverse speeds

1	7.6 (4.7)	8.5 (5.3)
2	13.3 (8.3)	15.0 (9.3)
3	23.4 (14.5)	26.3 (16.3)

Safety device prevents engine starting while in neutral gear



Axles

Rigid front axle, oscillating rear axle designed for heavy duty applications
 Rear axle oscillation ; 12°
 Hermetically sealed final drives and wet disc brakes



Brakes

type wet multi disc brakes
 fully hydraulic operated brake circuit
 Independent circuit for each axle
 dual pedal braking system
 Transmission declutch during braking can be preselected by a switch on the control stand panel
 Parking brake: dry disc mounted on front axle
 Spring applied, electric-hydraulic released via a switch on the control stand panel
 The brake circuit complies with the following international standards ISO3450, EEC 71/320, SAE J1473



Tires

Type Tubeless
 Choice of 17.5X25X12PR (L2) (ΔW=+808)
 17.5X25X12PR (L3) (ΔW=0)
 20.5X25X12PR (L3) (ΔW=+1220)
 20.5 R25XHAT2 (L3) (ΔW=+1380)
 20.5 R25 VKT (L2) (ΔW=+1300)



Hydraulic system

Type sealed system with anticavitation and relief valves
 Pump gear type with steel case and automatic wear compensation
 - max. flow delivery 175 l/min (46 gal/min)
 - max. working pressure 200 kg/cm² (2,845 psi)
 Control Pilot, single lever
 Double-acting hydraulic cylinders
 Loader arm
 bore x stroke 120mm(4.7"); 171mm(28.2")
 Bucket
 bore x stroke 140mm(5.5"); 190mm(19.3")
 Operating time
 lift 5.0 s
 lower 3.3 s
 dump 1.2 s
 Hydraulic lines and connecting flanges are equipped with O-ring seals.
 Invaluable for loading and transport on uneven terrain.



Steering

Type Load sensing orbitrol type steering control, full hydraulic, power steering.
 Pump gear type
 Max. flow rate 85l/min (22 gal/min)
 Max. working pressure 175kg/cm² (2,490 psi)
 Cylinders
 bore x stroke 70 mm(2.76"); 137mm(14.6")
 Emergency steering circuit with hydraulic pump driven by electric DC-motor.



Cab

ROPS / FOPS integrated 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 105 dB(A)

(According to EU Directive 2000/14/EC)



Capacities

ENGINE

Lube oil 21 litres (5.5 gal)

Coolant 31 litres (8.2 gal)

Fuel tank 260 litres (68.7gal)

Transmission oil 30 litres (7.9gal)

Hydraulic system 150 litres (39.6 gal)

AXLES

Front 20 litres (5.3 gal)

Rear 20 litres (5.3 gal)

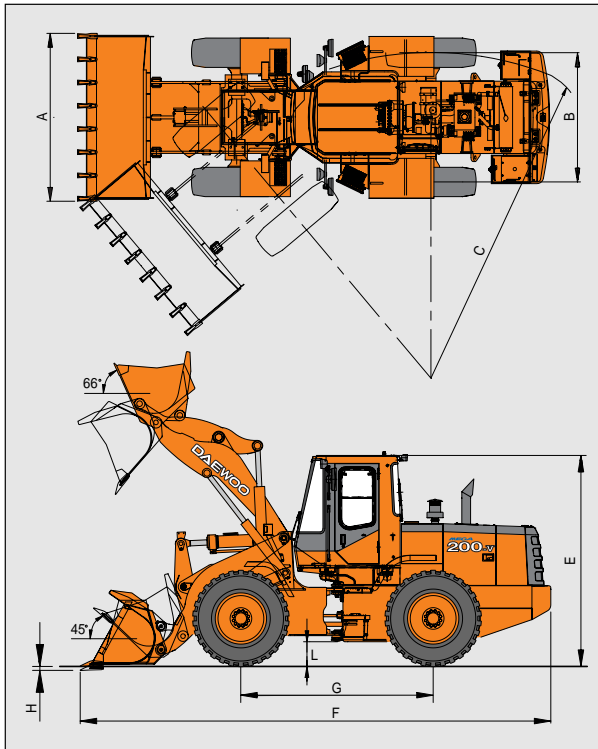
Standard equipment

- 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
- Neutral safety start system
- Fully adjustable suspension seat and seat belt
- ROPS Cab with window washer and wipers and rear view mirrors
- Sunvisor, sliding door windows
- Arm Rest & Wrist Rest
- Front and rear fenders
- Rear frame side covers
- Heater and defroster
- Air conditioner
- Pull hitch
- Automatic electro-magnetic return to dig
- Boom kick - out

Optional equipment

- Auxiliary hydraulic function
- Emergency steering
- Fuel feeding pump
- Fork equipment
- Noise reduction Kit (meets with EU 2002 noise requirements)
- Limited slip differential axle
- Rear full fender
- Timber grapple
- Boom float kick-out
- Rotating beacon
- Under guard
- LIS (Boom suspension) system
- CCTV camera
- 3-spool piping
- Wheel chocks
- Two lever
- Ergo lever

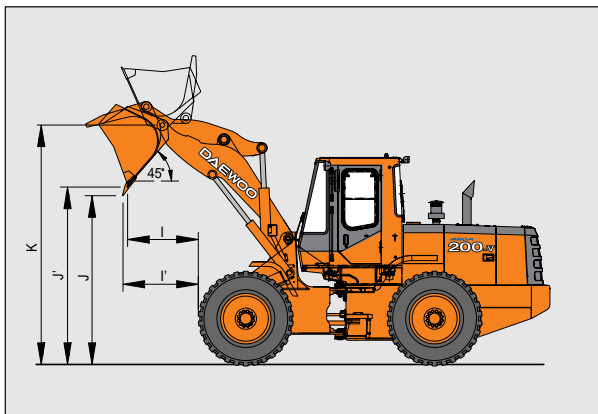
Dimension



Specifications

Bucket type	Unit	General Purpose	
		w/ 17.5 × 25	w/ 20.5 × 25
Bucket Capacity	m ³ (yd ³)	1.8 (2.4)	1.9 (2.5)
Bucket Width	(A) mm (ft. in)	2,450 (8' 0")	2,550 (8' 4")
Tread	(B) mm (ft. in)	1,930 (6' 4")	
Turning Radius at Tire Center	(C) mm (ft. in)	4,949 (16' 3")	
Overall Height	(E) mm (ft. in)	3,180 (10' 5")	3,260 (10' 8")
Overall Length	(F) mm (ft. in)	7,025 (23' 1")	
Wheel Base	(G) mm (ft. in)	2,900 (9' 6")	
Digging Depth at 0° Level (H)	mm (ft. in)	50 (2")	
Dump Reach at 45deg (I) (I')	mm (ft. in)	1,000 (3' 3") 1,090 (3' 7")	870 (2' 10") 960 (3' 2")
Dump Height at 45deg (J) (J')	mm (ft. in)	2,720 (8' 11") 2,842 (9' 4")	2,730 (8' 11") 2,852 (9' 4")
Max. Boom Height	(K) mm (ft. in)	3,748 (12' 4")	3,828 (12' 7")
Ground Clearance	(L) mm (ft. in)	370 (1' 3")	450 (1' 6")
Max. Tilt Angle on Ground	deg	40	
Max. Tilt Angle at Carry	deg	45	
Max. Tilt Angle at Fully Raised	deg	66	
Max. Dump Angle at Fully Raised	deg	46	
Breakout Force	kgf (lbf)	10,500 (23,150)	
Static Tipping Load at 0°	kgf (lbf)	8,500 (18,740)	
	40°	7,400 (16,315)	
Max. Operating Weight	kgf (lbf)	11,000 (24,250)	11,200 (24,690)

Working ranges



*Specifications are subject to change without prior notice.



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