

D A E W O O • W H E E L • L O A D E R

MEGA **250-v**

DAEWOO NEW WHEEL LOADER

- Operating Weight : 13,800kg (30,420 lb)
- Bucket Capacity : 2.4m³ (3.1 cu ·yd)
- Rated Engine Power : 118kw(158HP)/2,200 rpm



Specifications



Engine “Emissions Certified”

Make and model DAEWOO D1146T diesel engine
 Type 4-Cycle, Turbo charger, direct injection
 Flywheel horse power (SAE J 1349, Gross) 170HP (127kw) / 2,200rpm
 (SAE J 1349, Net) 158HP (118kw) / 2,200rpm
 Max torque (SAE J 1349) 69kg.m (500 ft-lb) / 1,300rpm
 Total displacement 8.07 liter(493 in³)
 No. of cylinders 6
 Bore x stroke 111mm(4.37 $\frac{1}{2}$) ; 139mm(5.5 $\frac{1}{2}$)
 Cooling type Sucker plastic fan(28 $\frac{1}{2}$) driven by hydraulic fan motor
 (f $\frac{1}{2}$ European Noise reduction kit)
 Air cleaner Dry type(double stage)



Electrical system

Voltage 24v
 Batteries, in series 2 ; 12v
 - total capacity 150 Ah
 - type maintenance-free
 Starter motor 24v ; 6.0 Kw
 Alternator capacity 50A



Torque converter

Type single stage / three phase
 Torque stall ratio 2.873



Transmission

Type: Full Auto Power-shift countershaft design with four forward and three reverse speeds.
 Control: single lever electric “fingertip” type.

Forward speeds	kph (mph)
1	7.5 (4.6)
2	12.0 (7.5)
3	23.5 (14.6)
4	37.0 (23.0)
Reverse speeds	kph (mph)
1	8.0 (5.0)
2	12.5 (7.8)
3	24.5 (15.2)

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 arle
 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 20.5X25X16PR (L3) ($\Delta W=+1220$)
 20.5 R25XHAT2 (L3) ($\Delta W=+1380$)



Hydraulic system

Type Open center hydraulics with highly efficient vane pumps
 Pump vane type with steel case
 - max. flow delivery 250 l/min (66 gal/min)
 - max. working pressure 200 kg/cm² (2,845 psi)
 Control Pilot, single lever
 Double-acting hydraulic cylinders
 Loader arm
 bore x stroke 140mm(5.5 $\frac{1}{2}$) ; 177mm(30.6 $\frac{1}{2}$)
 Bucket
 bore x stroke 160mm(6.3 $\frac{1}{2}$) ; 500mm(19.7 $\frac{1}{2}$)
 Operating time
 lift 5.3 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 vane type
 Max. flow rate 132 l/min (35 gal/min)
 Max. working pressure 175kg/cm² (2,490 psi)
 Cylinders
 bore x stroke 70 mm(2.76 $\frac{1}{2}$) ; 430mm(16.9 $\frac{1}{2}$)
 Emergency steering circuit with hydraulic pums 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 107 dB(A)

(According to EU Directive 2000/14/EC)



Capacities

ENGINE

Lube oil 21 litres (5.5 gal)

Coolant 50 litres (13 gal)

Fuel tank 270 litres (71 gal)

Transmission oil 35 litres (9.2 gal)

Hydraulic system195 litres (51.5 gal)

AXLES

Front 27.5 litres (7.3 gal)

Rear 27.5 litres (7.3 gal)

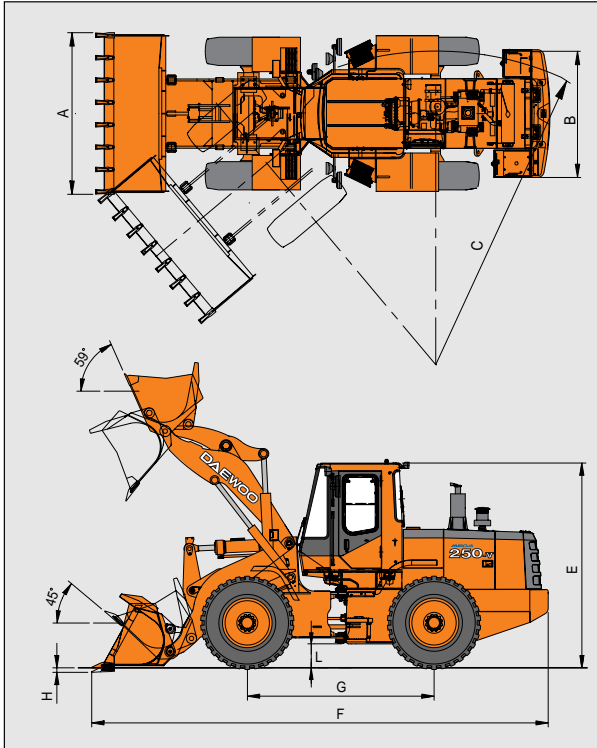
Standard equipment

- 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
- Pull hitch
- Horn
- Fuel level indicator
- 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
- Automatic electro-magnetic return to dig
- Boom kick - out

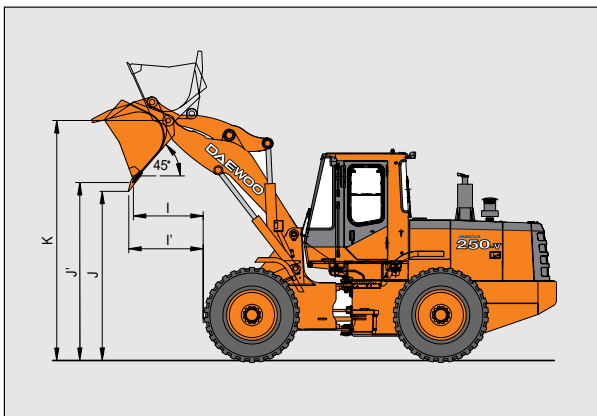
Optional equipment

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

Dimension



Working ranges



*All performance data and specifications based on a unit with 26.5-25 tires.

Specifications

Bucket type	Unit	General Purpose	
Bucket Capacity	m ³ (yd ³)	2.4 (3.1)	
Bucket Width	(A) mm (ft. in)	2,740 (8' 1")	
Tread	(B) mm (ft. in)	2,040 (6' 8")	
Turning Radius at Tire Center	(C) mm (ft. in)	5,166 (16' 11")	
Overall Height	(E) mm (ft. in)	3,320 (10' 11")	
Overall Length	(F) mm (ft. in)	7,500 (24' 7")	
Wheel Base	(G) mm (ft. in)	3,020 (9' 11")	
Digging Depth at 0°Level	(H) mm (ft. in)	42 (1.7")	
Dump Reach at 45deg	(I) mm (ft. in)	1,060 (2' 6") / 1,160 (3' 9")	
Dump Height at 45deg	(J) mm (ft. in)	2,760 (9' 1") / 2,900 (9' 6")	
Max. Boom Height	(K) mm (ft. in)	3,890 (13' 7")	
Ground Clearance	(L) mm (ft. in)	430 (1' 5")	
Max. Tilt Angle on Ground	deg	38	
Max. Tilt Angle at Carry	deg	45	
Max. Tilt Angle at Fully Raised	deg	59	
Max. Dump Angle at Fully Raised	deg	46	
Breakout Force	kgf (lbf)	13,200 (29,100)	
Static Tipping Load at 0°	kgf (lbf)	12,000 (26,455)	
	40°	kgf (lbf)	9,800 (21,605)
Max. Operating Weight	kgf (lbf)	13,800 (30,420)	

*Specifications are subject to change without prior notice.



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