

MEGA160

DAEWOO NEW WHEEL LOADER

- Operating Weight : 8,500kg (18,739lb) (Open ROPS Cabin)
8,700kg (19,180lb) (ROPS Cabin)
- Bucket Capacity : 1.6m³ (2.1 cu .yd)
- Rated Engine Power : 77 kw(104HP)/2,200 rpm



DAEWOO
DAEWOO HEAVY INDUSTRIES LTD.



Specifications



Engine "Emissions Certified"

Make and model DAEWOO DB58 diesel engine
 Type 4-Cycle, water cooled, direct injection. Naturally aspired
 Net flywheel horse power (SAE J 1349) 104HP(77kw)/ 2,200rpm
 Total displacement 5785cc(353in³)
 N° of cylinders 6
 Bore x stroke 102mm(4.02") x 118mm(4.65")
 Cooling type Pusher plastic type fan(ϕ 610), pressurised radiator
 Air cleaner Dry type(double stage)



Electrical system

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



Torque converter

Type single stage / single phase
 Torque stall ratio 3.2 : 1



Transmission

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

Control: single lever electric "fingertip" type.

Forward speeds	kph (mph)
1	7.3(4.5)
2	12.5(7.8)
3	20.2(12.6)
4	32(19.9)
Reverse speeds	kph (mph)
1	7.8(4.8)
2	13.5(8.4)
3	21.8(13.5)
4	34(21.1)

Safety device prevents engine starting while in gear



Axles

Rigid front axle, oscillating rear axle designed for heavy duty applications
 Rear axle oscillation 24°
 "Torque Proportioning" differentials with automatic torque transfer.
 Hermetically sealed final drives and wet disc brakes
 Oil change interval 2000 h



Brakes

type wet single disc brakes
 servo-assisted hydraulic brake circuit
 Independent circuit for each axle
 dual pedal braking system
 electrical transmission disengagement switch
 Parking brake: Located T/M out-put shaft oil immersed multiple disc design
 Hydraulic control by means of lever in cab.
 The brake circuit complies with the following international standards ISO3450, EEC 71/320, SAE J1473



Tires

Type Tubeless
 Choice of 17.5-25-12PR (L-2)
 17.5-25-12PR (L-3)
 17.5-R25, Radial (L-2 equivalent)



Hydraulic system

Type sealed system with anticavitation and relief valves
 Pump gear type with steel case and automatic wear compensation
 - max. flow delivery 140 l/min (37gal/min)
 - max. working pressure 200 kg/cm² (2845psi)
 Control Pilot, single lever
 Double-acting hydraulic cylinders
 Loader arm
 bore x stroke 110mm(4.3") x 680mm(26.8")
 Bucket
 bore x stroke 130mm(5.1") x 445mm(17.5")
 Operating time
 lift 5.5 s
 lower 3.5 s
 dump 1.5 s
 Hydraulic lines and connecting flanges are equipped with O-ring seals.
 Invaluable for loading and transport on uneven terrain.



Steering

Type hydraulic "load sensing"
 with priority valve
 Pump utilise the hydraulic system pump
 Max. flow rate 140 l/min (37gal/min)
 Max. working pressure 170 ~ 175kg/cm² (2420 ~ 2490psi)
 Cylinders
 bore x stroke 60mm(2.4") x 395mm(15.5")
 Emergency steering circuit with electric motor-pump





Cab

ROPS/FOPS modular cab. Excellent all-round visibility.

The ROPS/FOPS cab complies with the following standards:

ROPS - ISO3471-SAW 1040

FOPS - ISO 3449/SAW J 231



Capacities

ENGINE

Lube oil	13 litres (3.4gal)
Coolant	29 litres (7.7gal)
Fuel tank	185 litres (48.9gal)
Transmission oil	20 litres (5.3gal)
Hydraulic system	100 litres (26.4gal)

AXLES

Front	18 litres (4.8gal)
Rear	26 litres (6.9gal)

Standard equipment

Note: standard and optional equipment may vary by country.
consult your dealer for specification.

- Air cleaner, dry type
- Alternator, 50A
- Automatic lift kickout and bucket positioner
- Back-up alarm
- Batteries, maintenance free
- Brakes, oil bath discs
- Open ROPS cab
- Clock
- Differentials, Torque proportioning
- Drawbar, fixed
- External temperature indicator
- Fenders, front and rear
- Frame lock
- Horn
- Instrument dashboard with:
hourmeter, speedometer, tachometer
- Indicators:
 - transmission oil and engine coolant temperature
 - fuel level

Warning lights:

- battery charge
- brake oil pressure
- engine coolant
- engine oil pressure
- brake oil level
- parking brake
- Air-cleaner filter clogging

General malfunction warning lights

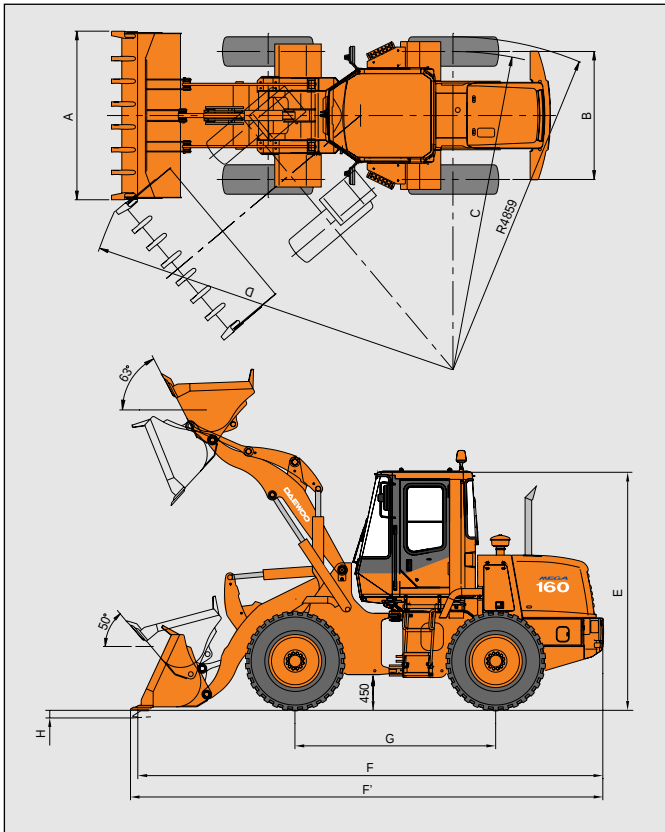
- Lighting: two headlights, two rear flood lights, two stop lights, two reverse indicator lights
- Parking brake
- Sealed loader linkage
- Seat, cloth covered with elastic suspension
- Single lever pilot control for boom and bucket actuation
- Steering column, adjustment titable type
- Steering knob
- Tires, 17.5-25-12PR (L2)
- Bucket with bolt-on cutting edge (1.6m³)
- Tool kit
- Transmission declutch
- Transmission: torque converter and full power-shift electrical control

Optional equipment

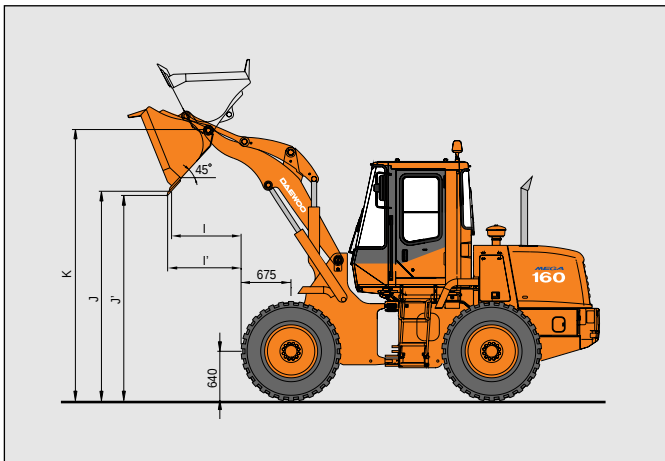
- ROPS cab
- Bucket with bolt-on teeth (1.5m³)
- Bucket with bolt on extended cutting edge (1.6m³)
- Auxiliary hydraulic function
- Emergency steering
- Fire extinguisher
- Air conditioning
- Fuel feeding pump
- Pallet fork
- Road traffic homologation
- Rotating beacon
- Under guard
- Tires (17.5-R25)



Dimension



Working ranges



*All performance data and specifications based on a unit with 17.5-25 tyres and ROPS Canopy.

Specifications

Bucket type	Unit	General Purpose	
		With Bolt on cutting Edge	With Bolt on Teeth
Bucket Capacity	m ³ (yd ³)	1.6 (2.1)	1.5 (2.0)
Bucket Width (A)	mm (ft·in)	2,450 (8'0")	←
Tread (B)	mm (ft·in)	1,870 (6'1")	←
Turning Radius at Tire Center (C)	mm (ft·in)	4,640 (15'3")	←
Turning Radius at Bucket Carry Position (D)	mm (ft·in)	5,250 (17'3")	←
Overall Height (E)	mm (ft·in)	3,180 (10'5")	←
Overall Length (F) (F')	mm (ft·in)	6,350 (20'10")	6,430 (21'1")
Wheel Base (G)	mm (ft·in)	2,700 (8'10")	←
Digging Depth at 0° Level (H)	mm (ft·in)	73 (2.87")	←
Dump Reach at 45deg (I) (I')	mm (ft·in)	1,000 (3'3")	1,065 (3'6")
Dump Height at 45deg (J) (J')	mm (ft·in)	2,745 (9'0")	2,685 (8'9")
Max. Boom Height (K)	mm (ft·in)	3,610 (11'10")	←
Ground Clearance	mm (ft·in)	405 (1'4")	←
Max. Tilt Angle on Ground	deg	42	←
Max. Tilt Angle at Carry	deg	50	←
Max. Tilt Angle at Fully Raised	deg	63	←
Max. Dump Angle at Fully Raised	deg	47	←
Digging Depth at 10° Level	mm (ft·in)	245 (9.6")	←
Breakout Force	kgf (lbf)	7,800 (17,290)	←
Static Tipping Load at 0°	kgf (lbf)	6,500 (14,330)	←
40°	kgf (lbf)	5,300 (11,680)	←
Max. Operating Weight (Cabin)	kgf (lbf)	8,700 (19,180)	8,670 (19,114)
(Canopy)	kgf (lbf)	8,500 (18,739)	8,470 (18,673)



*Specifications are subject to change without prior notice.

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