



Wheel Loader

OPERATING	8,600 - 9,050 lbs
WEIGHT	(3,900 - 4,100 kg)
NET ENGINE	50 hp
POWER	(37 kW)
BUCKET	0.85 - 1.30 yd ³
CAPACITY	(0.50 - 1.00 m ³)
DRAWBAR	6,800 lbs
PULL	(3022 daN)



Outside Date Obsidered Environment	
Operating Data, Standard Equipment*	
Operating weight (SAE J 1197)	9,050 lbs (4,100 kg)
Tipping load, straight, arms horizontal (SAE J 732)	6,540 lbs (2,975 kg)
Tipping load, straight, arms 12" above ground	8,955 lbs (4,060 kg)
Tipping load, articulated, arms horizontal (SAE J 732)	5,788 lbs (2,625 kg)
Tipping load, articulated, arms 12" above ground	7,895 lbs (3,580 kg)
Operating load, articulated	2,894 lbs (1,313 kg)
Total length, bucket on ground	15' 8" (4.78 m)
Total width	5' 7" (1.70 m)
Turning radius (walls)	12' 8" (3.87 m)
Wheelbase	77" (1.96 m)
Height (top of cab)	103" (2.6 m)

*With rear axle weights.



Specifications

Engine	
Manufacturer, model	Deutz, F4M 2011
Туре	4-cylinder diesel engine
Combustion	4-stroke cycle, direct fuel injection
Displacement	189 in ³ (3.1 L)
Net power rating at 2,300 rpm (SAE	50 hp (37 kW)
Cooling system	Oil

Electrical System	
Nominal voltage	12 V
Battery	12 V / 74 Ah / 400 A

Power Transmission

Hydrostatic drive, closed circuit and independent from loader hydraulics. Automatic adjustment of drawbar pull and speed. Forward & reverse selected from joystick. Infinitely variable speed control in forward and reverse. 4-wheel drive from reduction gear on rear axle via cardan shaft to front axle.

2 speed ranges:

"Low"	0 - 4 mph (0 - 7 km/h)
"High"	0 - 13 mph (0 - 20 km/h)

4 speed ranges (high-speed version optional):

"Low"	0 - 4 mph (0 - 7 km/h)	0 – 11 mph (0 – 18 km/h)
"High"	0 - 8 mph (0 - 13 km/h)	0 - 22 mph (0 - 36 km/h)
Drawbar pull	6,800 lbs	(3,022 daN)

Avles

Front: Rigid planetary final drive axle with limited slip-type differential.

Rear: Oscillating (with cushioning) planetary final drive axle with integrated reduction gear. Limited slip-type differential.

Oscillation ± 12°

Standard 365/70 R 18 SPT 9 Dunlop

Brakes

Service brake: Hydraulically actuated center-mounted drum brake acting on all 4 wheels via 4-wheel-drive.

Auxiliary brake: Hydrostatic drive provides dynamic braking.

Parking brake: Mechanically operated drum brake at front axle.

Steering

Articulated with final position damping on both sides, fully hydraulic through load-sensing priority valve and quick and easy steering even at engine idle-running speed.

Total steering angle 80°



Fluid Capacities	
Fuel tank	20 gal (75 L)
Hydraulic system (including tank)	13 gal (49 L)

Hydraulic System	
Pump capacity	11 gpm (41 Lpm)
Maximum working pressure	3,625 psi (250 bar)

Control unit: Proportional hydraulic valve with 3 control circuits and high-speed valve for tilting; single, four-way lever (multi-function lever) for lift and dump cylinders with integrated travel direction selector switch. Float position in control circuit "lowering" and electro-hydraulically operated. Additional control circuit including quick couplers and continuous operation function provided as standard.

Loader Frame		
Loader frame with true parallel linkage and integrated hydraulic quick-attach system (mechanical option available).		
General purpose bucket (SAE J 742)	0.94 yd3 (0.72 m3)	
Lift capacity at ground level (SAE J 732)	7,425 lbs (33,000 N)	
Breakout force at bucket edge (SAE J 732)	8,325 lbs (37,000 N)	

Fork Lift Attachment	
Operating load (SAE J 1197)*	2,355 lbs (1,066 kg)
Width of fork carrier	4' 1" (1.24 m)
Length of pallet forks (3.9" x 1.6" / 100 x 40 mm)	36" (900 mm)
Stability factor on level and solid ground	2
Load center from fork attachment point	18" (450 mm)

ROPS Cab

Rubber-mounted, full-vision steel cab, ROPS (SAE J 1040) and FOPS** (SAE J 231) certified.

Cab features two doors, level entry to cab and easy-to-be-cleaned floor.

Electric windshield wiper and washer (front and rear), tinted panoramic safety glass and sliding window on left-hand side.

Driver's seat with hydraulic cushioning and seat belt (weight adjustable).

Cab heating with 3-setting heater fan (choice of fresh air/recirculating air) and windshield defroster (front and rear).

Tilt and height adjustable steering wheel.

Radio and air conditioning pre-installed.

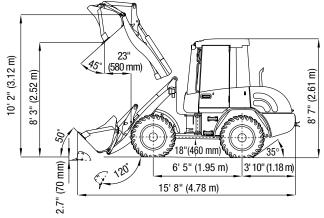
2 front working floodlights.

Noise emission ambient LWA 99 dB (A) Measured in dynamic measuring cycle (EEC-directive 86/662).

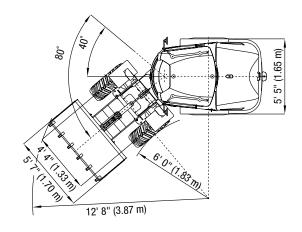
^{*}With rear axle weights.

^{**}FOPS-approved only with skylight guard (optional).

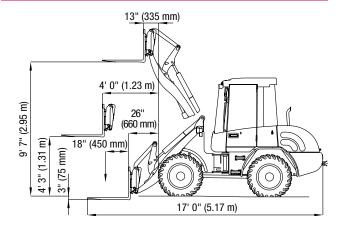
Dimensions: General Purpose Bucket



Capacity (SAE J 742) 0.94 yd³ (0.72 m³)
Density of material: Max. 2,700 lbs/yd³ (1.6 t/m³)

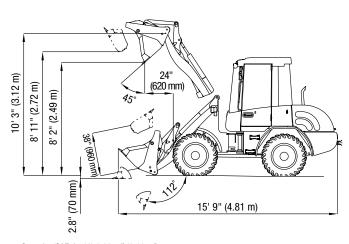


Fork Lift Attachment



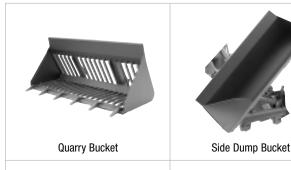
Operating load, complete lift range: 2,355 lbs. (1066 kg) with rear axle weights

Multi-Purpose Bucket



Capacity (SAE J 742) 0.80 yd³ (0.60 m³) Density of material: Max. 2,700 lbs/yd³ (1.6 t/m³)

Attachments









Forks and Carrier

High-tip Bucket





Optional Attachments / Accessories

365/70 R 18 XM 27 TL Michelin

Other tires available on request

Front Attachments

Fork lift attachment with forks 3.9" x 1.6" x 36" (100 x 40 x 900 mm) 3.9" x 1.8" x 44" (100 x 45 x 1,120 mm)

(navload raduced by approximately 66 lbc (20 kg)

	(payload reduced by approximately 66 lbs (30 kg)		
Standard bucket		0.94 yd3 (0.72 m3)	
Light-material bucket		1.05 yd3 (0.80 m3)	
Super light-material be	ucket	1.30 yd3 (1.00 m3)	
Side-dump bucket		0.65 yd3 (0.50 m3)	
High-tip bucket		0.85 yd3 (0.65 m3)	
Multi-purpose bucket		0.78 yd3 (0.60 m3)	
Cutting edges			
Bucket teeth			

Crane jib

Quick-Attach System

Mechanically actuated

Operator's Stand

Air-cushioned driver's seat with orthopedic lumbar support and adjustable armrests and headrest.

Independent diesel heating with timer

Cab -	Optional	Equipment
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FOPS-skylight guard

Sliding window integrated in right-hand door

Working floodlight (rear)

Yellow beacon

Pressurized cab

Air conditioning

Further Options

High-speed travel option	22 mph (36 km/h)
Filling with biodegradable hydraulic oil / Ester Base V	1 68
Switch valve to change from 3 spool to 4 spool hydra	ulic circuit
Ride control system	

Universal quick coupler

Pressureless return hydraulic circuit

Manual throttle

Special creeping speed version available on request

Immobilizer (anti-theft device)

Pilot-controlled hose-rupture safety valves for lift and tilt cylinders

Further attachments available on request.



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