

Technical Data Sheet

All data is valid for standard specification loader with standard bucket.



Engine

Make	Deutz BF4M 2011
Type/design	Oil-cooled, 4-cylinder, 4-stroke, in-line aspirated engine with direct fuel injection
Output	56 kW/76 HP @ 2300 rpm
Max. torque	270 Nm/1600 rpm
Displacement	3110 cm ³
Emission	Tested and certified as per 97/68 EC, emissions standard level 2.



Power Transmission

Drive	Continuously variable hydrostatic axial-piston gearbox. 4-wheel drive. Brake/inching pedal.
Drive speed	0–20 kph, 0–40 kph optional
Axles	Planetary steering axles
Total oscillation angle	18°
Differential lock	100 % locked
Service brake	Hydraulic multidisc
Parking brake	Mechanical disc brake
Standard tyres	14.5 – 20
Wide-base tyres	405/70 R20 (bidirectional)
Optional tyres	375/75 R20 (traction tyres) 425/75 R20 (industrial tyres)



Steering and Work Hydraulics

Mode of function	Hydrostatic all wheel steering
Steering pump	Separate steering pump
Steering ram	Double-acting, with automatic synchronisation
Steering angle	2x 40°
Work pump	Gear pump
Flow rate	84 l/min standard
Pressure	220 bar
Filter	Combined suction reflux filter
Pressure limitation	Primary pressure limitation, secondary pressure in tilt ram/lift ram



Kinematics

Design	Telescopic boom with z-kinematics
Lifting capacity	30 kN
Tear out force	49 kN
tilt in / tilt out angle	40°/40°
Tipping load (stand. bucket)	3420 kg
Tipping load (pallets)	2510 kg
Payload S=1.25 (pallets)	2000 kg / 1250 kg*
Payload S=1.67 (pallets)	1500 kg / 930 kg*
Payload in transport position S=1.25 (pallets)	2500 kg
Scraping depth	50 mm



Capacities

Fuel tank	80 l
Hydraulic oil tank	85 l



Noise emissions

As per 2000/14/EC



Electric System

Operating voltage	12 V
Battery	12 V/88 Ah
Alternator	95 A
Starter	2.3 kW

580 T

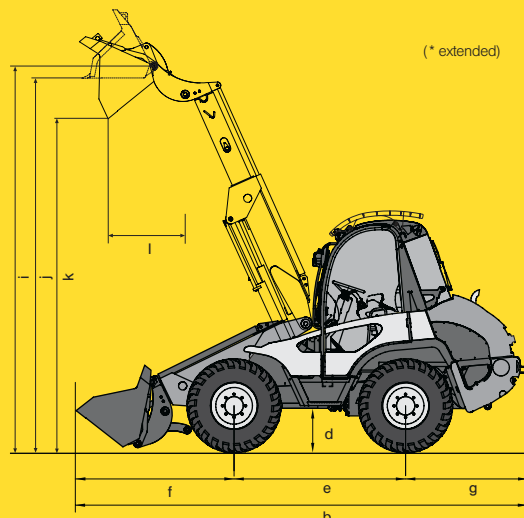


Operational Data

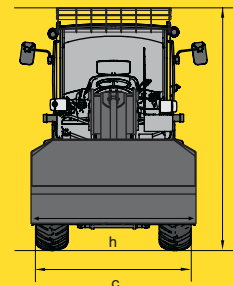
Bucket capacity from – to 0.95 – 1.5 m³

Dimensions (with standard bucket and standard tyres)

a — Height	2710 mm
b — Length	5700 mm
c — Width	1860 mm
d — Ground clearance	330 mm
e — Wheelbase	2050 mm
f — Centre of front axle to tip of teeth	2190 mm
g — Centre of rear axle to end of vehicle	1460 mm
h — Bucket width	1950 mm
i — Pin height	3615 mm / 4690 mm*
j — Load-over height	3465 mm / 4540 mm*
k — Dump height	3000 mm / 4000 mm*
l — Dump reach	760 mm / 1230 mm*
Pallet height	3470 mm / 4520 mm*
Turning radius	
Tyres	2780 mm
Track circle	2560 mm
Bucket	4110 mm
Weight	5500 kg



(* extended)



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Standard equipment

Cab

Soundproofed, vibration-insulated, 4-point suspension cab, with large, curved, tinted windows. Excellent all around visibility from a spacious and comfortable work environment for increased safety and efficiency. Extremely roomy cab with a large number of storage possibilities.

Protective FOPS screen

Access

Entry and exit on either side using the large convenient steps.

Doors

Doors with large windows, for optimal view to the sides. Both doors can be opened and locked in two positions (gap or 180°). Full access through right-hand door by folding back the joystick console.

Joystick console

Ergonomically integrated controls in driver's seat, including:
 - Hydraulically pilot-controlled joystick for raising/lowering and dumping the loader unit in and out, with a toggle switch for selecting the driving direction and retracting/extending the telescopic loader unit, with integrated 3rd control circuit for locking/unlocking the quick hitch facility and for running hydraulic implements.
 - Switch for 3rd control circuit, continuous operation

Driver's seat

Grammer comfort seat (MSG 85) with mechanical suspension and automatic seat belt, weight, backrest and two-fold horizontal adjustment.

Passenger's seat

Telescopic and tilt adjustment

Instrument panel

Neatly designed instrument panel

Heating, ventilation

3-speed powerful heating and ventilation with recirculated-air mode

Sun visor

Front and rear wipers. Double blade covers 85% of front window glass.

Rearview mirrors

Large outside mirrors, foldable to notched positions on either side

Floor mat

Floor mat is level with the frame enabling easy cleaning of the cab.

Cab lights

Mounting/wiring for radio installation
 12V socket

Lights

Headlights 2x at the front with low/high beam and parking lights

Working light 1 x at the rear left

Rear lights and brake lights

Turn indicators

Hose burst valve for lift and tilt rams

Engine cover Opens up high

Quick hitch facility Hydraulic

Engine air supply With air filter safety cartridge

Key system One-key system for doors, ignition and engine cover

Tyres 14.5-20

Options 580 T

Cab

Comfort driver's seat	Sun-shield foil
Driver's seat with air suspension	Radio
Passenger's seat	Rotating beacon
Protective front screen	1 rear working light
Vehicle heater	2 front working lights
Air conditioning	

Power options

4th control circuit for front and rear implements
 Unpressurized front reflux
 Load stabiliser
 Electric socket for front implements
 Electric socket for rear implements
 Manual throttle
 Low-speed control
 Fuel preheating
 Engine and hydraulic oil preheating
 Mounting parts for work platform
 Trailer coupling

Safety

Warning stripes
 Drive interlock
 Tool kit
 Protection for work in aggressive environment
 Backup warning system
 Battery master switch

Ecospeed

Continuous high speed 0 - 40 kph

Tyres

Wide-base tyres	Tyre puncture protection kit
Traction tyres	Foam-filled tyres
Tyres for industrial applications	Snow chains

Paint other than standard

Biodegradable oil

Panolin HLP Synth46

Warranty extension

Implements

Pallet forks
 Standard bucket
 Multipurpose bucket
 Lightweight material bucket
 Superlightweight material bucket
 High-tilt bucket
 Other implements on request

Heavy duty bucket
 Tree replanter
 Material pusher
 Work platform

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