

Technical Data Sheet

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

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Engine

Make	Deutz BF4M 2011
Type/design	Oil-cooled, 4-cylinder, 4-stroke, in-line aspirated engine with direct fuel injection
Output	60 kW/82 HP @ 2500 rpm 56 kW/76 HP @ 2300 rpm
Max. torque	270 Nm/1600 rpm
Displacement	3110cm 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
Axes	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	2x40°
Work pump	Gear pump
Flow rate	84l/min standard
Pressure	220 bar
Filter	Combined suction reflux filter
Pressure limitation	Primary pressure limitation, secondary pressure in tilt ram/lift ram



Kinematics

Design	Parallel kinematics
Lifting capacity	41 kN
Tear out force	39 kN
Raise	5,6 sec
Lower	4,2 sec
Tilt in	1 sec
Dump out	1,5 sec
tilt in / tilt out angle	50°/45°
Tipping load (stand. bucket)	3590 kg
Tipping load (pallets)	3000 kg
Payload S=1.25 (pallets)	2400 kg
Payload S=1.67 (pallets)	1790 kg
Payload in transport position S=1.25 (pallets)	2900 kg
Scraping depth	53 mm



Capacities

Fuel tank	80 l
Hydraulic oil tank	85 l



Noise Emissions

As per 2000/14/EC



Electric System

Operating voltage	12V
Battery	12V/72 Ah
Alternator	95 A
Starter	2,3kW



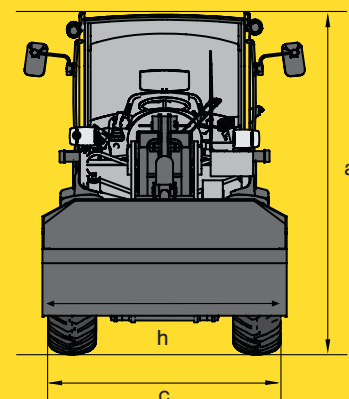
Operational Data

Bucket capacity from – to 0.95 – 1.6 m³

Dimensions (with standard bucket and standard tyres)

a	Height	2720 mm
b	Length	5390 mm
c	Width	1860 mm
d	Ground clearance	350 mm
e	Wheelbase	2050 mm
f	Centre of front axle to tip of teeth	1970 mm
g	Centre of rear axle to end of vehicle	1460 mm
h	Bucket width	1950 mm
i	Pin height	3270 mm
j	Load-over height	3120 mm
k	Dump height	2520 mm
l	Dump reach	750 mm
	Pallet height	3050 mm
	Turning radius	
	Tyres	2780 mm
	Track circle	2560 mm
	Bucket	3900 mm

Weight 5400 kg



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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.

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 an integrated 3rd control circuit for locking/unlocking the quick hitch facility and for running hydraulic implements, and a tip switch for 100 % differential lock.
- Switch for 3rd control circuit, continuous operation

Driver's seat

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

Passenger's seat

Steering column

Telescopic and tilt adjustment

Instrument panel

Neatly designed instrument panel

Heating, ventilation

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

Sun visor

Wipers

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

Working light 1 x at the rear left

Rear lights and brake lights

Turn indicators

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

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Cab

Driver's seat with air suspension	Sun-shield foil
Passenger's seat	Radio
Protective FOPS screen	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
- Float position
- 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
- Hose burst valve for lift and tilt rams
- 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

Side swing bucket

Other implements on request

Heavy duty bucket

Tree replanter

Front scarifier

Verge grading bucket

Material pusher

Work platform

Kramer Werke GmbH

Nußdorfer Straße 50
D-88662 Überlingen

Telefon +49 (0) 7551 802-0

Fax +49 (0) 7551 802-260

e-Mail info@kramer.de

www.neusonkramer.com

Neuson Baumaschinen GmbH

Haidfeldstraße 37

A-4060 Linz-Leonding

Telefon +43 (0) 732 90590-0

Fax +43 (0) 732 90590-200

e-Mail office@neuson.com

www.neusonkramer.com

Neuson Ltd.

Crown Business Park

Dukestown, Tredegar

Gwent. NP22 4EF

United Kingdom

Telefon +44 (0) 1495 72 30 83

Fax +44 (0) 1495 71 39 41

e-Mail ukoffice@neuson.com

www.neusonkramer.com

