

# Technical Data Sheet

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

# 680



## 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 <sup>3</sup>
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	16 / 70 – 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	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	Parallel kinematics
Lifting capacity	41 kN
Tear out force	41 kN
Raise	5.6 sec
Lower	4.2 sec
Tilt in	0.9 sec
Dump out	1.5 sec
tilt in / tilt out angle	50°/45°
Tipping load (stand. bucket)	3960 kg
Tipping load (pallets)	3250 kg
Payload S=1.25 (pallets)	2600 kg
Payload S=1.67 (pallets)	1900 kg
Payload in transport position S=1.25 (pallets)	3100 kg
Scraping depth	51 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	2.3 kW



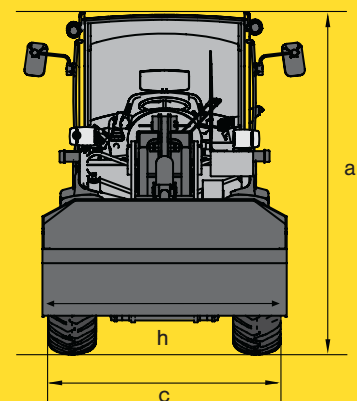
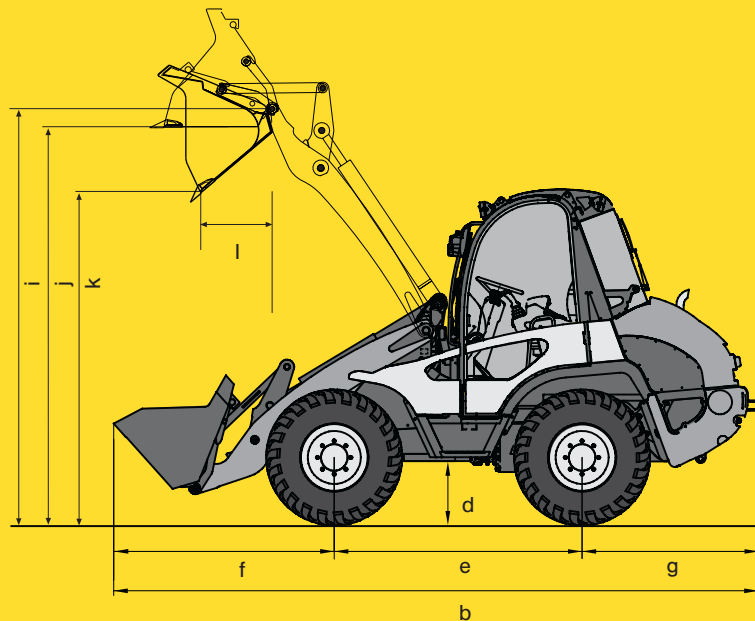
## Operational Data

Bucket capacity from – to 1.05 – 1.8 m<sup>3</sup>

Dimensions (with standard bucket and standard tyres)

a	Height	2710 mm
b	Length	5600 mm
c	Width	1880 mm
d	Ground clearance	340 mm
e	Wheelbase	2050 mm
f	Centre of front axle to tip of teeth	2090 mm
g	Centre of rear axle to end of vehicle	1460 mm
h	Bucket width	2050 mm
i	Pin height	3400 mm
j	Load-over height	3250 mm
k	Dump height	2660 mm
l	Dump reach	600 mm
	Pallet height	3150 mm
	Turning radius	
	Tyres	2790 mm
	Track circle	2590 mm
	Bucket	3980 mm

Weight 5900 kg



kramerALLRAD®

## 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** 16/70-20

## Options

# 680

### 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](mailto:info@kramer.de)

[www.neusonkramer.com](http://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](mailto:office@neuson.com)

[www.neusonkramer.com](http://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](mailto:ukoffice@neuson.com)

[www.neusonkramer.com](http://www.neusonkramer.com)

