

Technical data (loader)

11 Technical data



NOTE

The technical data refer to 16/70-20 MPT-04 tyres.

11.1 Loader

- Height	2,827 mm
- Width - across outer tyre edge	2,064 mm
- across standard bucket	2,100 mm
- Wheelbase	2,085 mm
- Track width	1,685 mm
- Operating weight w/o attachment	6,816 kg
- Ground clearance	
- Differential	390 mm
- Cardan shaft	440 mm
- Turning radius	
- across outer tyre edge	3,282 mm
- across outer contour of loader	3,659 mm
- Steering angle	+/- 35 °
- Swinging angle	+/- 10 °
- Embankment angle	
- front	90 °
- rear	27 °
- Climbing ability with payload	%
- Perm. towed load at max. vertical load of 100 kg	
- braked	kg
- unbraked	kg
- Max. lifting capacity -	kN
- with Boost	kN
- Max. thrust force	kN

11.2 Engine

11.2.1 55 kW engine

- Liquid-cooled diesel engine	
- 4 cylinders, 4-stroke, indirect injection	
- Displacement	3,260 cm ³
- Power acc. to SAE J1995	55 kW @ 2,600 rpm
- Exhaust gas emission acc. to RL 97/68 EC tier IIIA + EPA	

11.2.2 63 kW engine

- Liquid-cooled diesel engine	
- 4 cylinders, 4-stroke, indirect injection	
- Displacement	3,260 cm ³
- Power acc. to SAE J1995	63 kW @ 2,600 rpm
- Exhaust gas emission acc. to RL 97/68 EC tier IIIA + EPA	

11.3 Starter

- 2.2 kW / 12 V

11.4 Alternator

- 60 A, 14 V

11.5 Hydrostatic drive motor

"20 km/h" variant

- Drive stage I	0.....5 km/h
- Drive stage II	0.....20 km/h

"40 km/h" variant**1st gear**

- Drive stage I 0..... 5 km/h
- Drive stage II 0..... 17 km/h

2nd gear

- Drive stage I 0..... 11 km/h
- Drive stage II 0..... 40 km/h

11.6 Axle loads

- Perm. axle loads acc. to StVZO
 - front 5,000 kg
 - rear 5,000 kg
- Perm. total weight acc. to StVZO 7,600 kg

11.7 Tyres

The following tyres are permitted:

- Size 16/70-20 148D
 - Tyre pressure - front 3.5 bar
 - rear 2.2 bar
- Size 400/70 R20 149A8
 - Tyre pressure - front 3.2 bar
 - rear 2.4 bar
- Size 550/45-22.5 12PR 140A8
 - Tyre pressure - front 2.4 bar
 - rear 2.4 bar

11.8 Steering system

- Four-wheel (can be switched to rear-wheel steering)
- Electric/hydrostatic via priority valve
- Pressure max. 175 bar

11.9 Brakes

- Service brakes: 1. Hydrostatic inching brake, acting on all four wheels.
2. Hydraulic wet lamella brake in the front axle, acting on all four wheels.
- Parking brake: Hydraulic spring-loaded brake, acting on all four wheels.

11.10 Electrical system

- Battery 88 Ah

11.11 Hydraulic system

- Contents 134 l
- Hydraulic oil reservoir 80 l
- Flow rate 82.5 l/min
- Operating pressure max. 220 bar
- 2 lift cylinders Ø 90 mm
- 1 tip cylinders Ø 110 mm
- Times acc. to DIN ISO 7131
 - Lift (with payload) 4.7 s
 - Lower (without load) 3.6 s
 - Dump 45° 1.2 s
 - Tilt 45° 1.2 s

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11.11.1 Swivel unit

- Flow rate 35 l/min
- Operating pressure max. 220 bar
- 2 swivel cylinders Ø 100 mm
- Time to swivel 90° 3.0 s

11.11.2 Support system

- Operating pressure depending on load
- 2 support cylinders, plunger diameter 50 mm

11.12 Fuel supply system

- Fuel tank contents 130 l

11.13 Heater and ventilation system

- Air/water heat exchanger
- Heater performance max. 14.5 kW
 - 3-stage heater
- Air flow max. 1,000 m³/h
 - 3-stage blower
- Electric power 250 W

11.14 Suction/return flow filter

- Filter mesh 10 µm nom.
- Bypass response pressure $\Delta p = 2.5$ bar

11.15 Electric contamination indicator

- Switch-on pressure $\Delta p = 2.0$ bar

11.16 Combination cooler with temperature-controlled fan

- Performance
 - Water 47 kW
 - Oil 17 kW

11.17 Noise emission

- Sound power level (LWA) » Noise outside: « 99 dB(A)
Acoustic power level (LpA) » noise in the driver's cabin: « 74 dB(A)

11.18 Vibrations

- Vibration total value (K-value) < 2.5 m/s²