

Technical Data (Loader)

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NOTE

All technical data refer to tire size 15.5/55 R 18.

11.1 Loader

- Height	2550 mm
- Width	1620 mm
- Wheel base	1600 mm
- Track	1270 mm
- Operation weight without attachments	4120 kg
- Ground clearance	
- Distrib. transmission	310 mm
- Axle	330 mm
- Turning radius (over rear)	2770 mm
- Steering angle	+/- 35 °
- Oscillation path	+/- 10 °
- Embankment angle	33 °
- Climbing ability with payload	60 %
- Max. shunting force	25 kN
- Max. lifting force	24 kN

11.2 Engine

- Oil/air-cooled diesel engine	
- 3-cylinder, 4-stroke, direct injection	
- Displacement	2049 cm ³
- Power according to ISO 1585	30.0 kW at 2500 rpm
- Exhaust emission regulation according to RL 97/68 EC step 1 + EPA	

11.3 Starter

-	2.2 kW, 12 V
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11.4 Alternator

-	60 A, 14 V
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11.5 Hydrostatic drive unit

Type "20 km/h"

- Travel speed I	0.....6 km/h
- Travel speed II	0.....20 km/h

Type "30 km/h"

- Travel speed I	0.....8 km/h
- Travel speed II	0.....30 km/h

11.6 Axle loads

- Permitted axle loads in accordance with StVZO	
- Front	3000 kg
- Rear	3000 kg
- Permitted total weight in accordance with StVZO	4500 kg

11.7 Tires

The following tire sizes are permitted:

- Size	12.5-18
- Tire pressure - front	2.5 bar
- rear	2.5 bar
- Size	15.5/55 R 18
- Tire pressure - front	3,0 bar
- rear	3,0 bar
- Size	335/80 R 18
- Tire pressure - front	3.0 bar
- rear	3.0 bar

11.8 Steering system

- Four-wheel (can be switched to rear-wheel)	
- Hydrostatic via priority valve	
- Pressure	max. 170 bar

11.9 Brake system

- Hydraulic service brake (wet lamellae) acting on all four wheels.
- Parking brake acting on all four wheels via prop shafts.

11.10 Electrical system

- Battery	12 V, 66 Ah
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11.11 Hydraulic system

- Capacity	70 l
- Hydraulic oil tank	49.5 l
- Flow	40 + 20 l/min
- Max. operating press.	230-5 bar
- 2 lift cylinders	Ø 70/40 mm
- 1 tip cylinder	Ø 70/40 mm
- Times according to DIN ISO 7131	
Raise	5.5 s
Lower	3.5 s
Dump 90°	1.4 s
Tilt up 45°	2.2 s

11.11.1 Swivel mechanism

- Flow	20 l/min
- Max. operating press.	200+/-5 bar
- 2 swivel cylinders	Ø 80/32 mm
- Swivel time 180°	7.0 s

11.11.2 Stabilizers

- Operating press.	load controlled
- 2 stabilizer cylinders	
Plunger diameter	36 mm

11.12 Fuel supply system

- Capacity Fuel tank 42 l

11.13 Heating and ventilation system

- Oil heater COBO
- Type 2/9008/COMB-10/A45
- Heat output
3-speed Q_{80} max. 10.5 kW
at V_{oil} 30 l/min
- Blower output
3-speed max. 785 m³/h

11.14 Full flow suction filter

- Grade of filtration according to ISO 4572 10 µm abs.
- By-pass reaction pressure $\Delta p = 0.25$ bar

11.15 Electrical contamination indicator

- Switch pressure $\Delta p = 0.15$ bar

11.16 Oil cooler with thermostat control

- Power max. 12 kW
- Flow rate
 - Slow speed 14 l/min
 - Fast speed 21 l/min

11.17 Noise emission

“20 km/h” variant

- Sound power level (LWA) » Noise outside: « 99 dB(A)
- Acoustic power level (LpA) » noise in the driver's cabin: « 78 dB(A)

“30 km/h” variant

- Sound power level (LWA) » Noise outside: « 99 dB(A)
- Acoustic power level (LpA) » noise in the driver's cabin: « 78 dB(A)