

Technical Data (Equipment)

11 Technical data

11.1 AF 1050



NOTE

The technical data refer to 16/70 R 20 tyres.

11.1.1 Loader

- Height	2,830 mm
- Width	1,990 mm
- Wheelbase	2,085 mm
- Track width	1,660 mm
- Operating weight w/o attachment	5,650 kg
- Ground clearance	
- Cardan shaft	420 mm
- Turning radius	
- over rear	3,710 mm
- across bucket	4,060 mm
- Steering angle	+/- 35 °
- Swinging angle	+/- 10 °
- Embankment angle	°
- Climbing ability with payload	60 %
- Perm. towed load at max. drawbar load of 100 kg	
- braked - 48 kW engine	3,500 kg
- 55 kW engine	8,000 kg
- unbraked	750 kg
- Max. lifting capacity	54.0 kN
- with Boost	65.0 kN
- Max. thrust force	46.5 kN

11.1.2 Engine

11.1.2.1 49 kW engine

- Liquid-cooled diesel engine	
- 4 cylinders, 4-stroke, indirect injection	
- Displacement	3,260 cm ³
- Power acc. to SAE J1995	49 kW at 2600 rpm
- Exhaust gas emission acc. to RL 97/68 EC tier IIIA + EPA	
- Cooling system	Water
- Total coolant	approx. 14 l
- Anti-freeze	7 l

11.1.2.2 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 at 2600 rpm
- Exhaust gas emission acc. to RL 97/68 EC tier IIIA + EPA	
- Cooling system	Water
- Total coolant	approx. 14 l
- Anti-freeze	7 l

11.1.3 Starter

- 2.2 kW / 12 V

11.1.4 Alternator

- 60 A, 14 V

11.1.5 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..... 15 km/h

2nd gear

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

11.1.6 Axle loads

- Perm. axle loads acc. to StVZO
 - front 5,000 kg
 - rear 5,000 kg
- Perm. total weight acc. to StVZO 6,900 kg

11.1.7 Tyres

The following tyres are permitted:

- Size 14.5 R 20 MPT-04
 - Tyre pressure - front 3.0 bar
 - rear 3.0 bar
- Size 16/70 R 20 MPT-04
 - Tyre pressure - front 3.0 bar
 - rear 3.0 bar
- Size 405/70 R 20 XZSL
 - Tyre pressure - front 3.75 bar
 - rear 3.75 bar
- Size 405/70 R 20 EM-01
 - Tyre pressure - front 3.75 bar
 - rear 3.75 bar
- Size 405/70 R 18 EM-01
 - Tyre pressure - front 3.75 bar
 - rear 3.75 bar
- Size 550/45-22.5 328
 - Tyre pressure - front 2.4 bar
 - rear 2.4 bar

11.1.8 Steering system

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

11.1.9 Brakes**“40 km/h” variant**

- Service brake (front axle: wet lamella brake). Acting as inching brake in the first pedal actuation stage.
- Parking brake/auxiliary brake system: Wet lamella brake in the front axle.

11.1.10 Electrical system

- Battery 88 Ah

11 Technical Data (Equipment)



11.1.11 Hydraulic system

- Contents	134 l
- Hydraulic oil reservoir	80 l
- Flow rate	85 l/min
- Operating pressure	max. 220 bar
- 2 lift cylinders	Ø 90 mm
- 1 tip cylinders	Ø 100 mm
- Times acc. to DIN ISO 7131	
Lift (with payload)	3.5 s
Lower	2.5 s
Dump (45°)	1.8 s
Tilt up	1.5 s

11.1.12 Fuel supply system

- Fuel tank contents	130 l
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11.1.13 Heater and ventilation system

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

11.1.14 Suction/return flow filter

- Filter mesh	10 µm nom.
- Bypass response pressure	Δ p = 2.5 bar

11.1.15 Electric contamination indicator

- Switch-on pressure	Δ p = 2.0 bar
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11.1.16 Combination cooler with temperature-controlled fan

- Performance	
- Water	47 kW
- Oil	17 kW

11.1.17 Noise emission

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

11.1.18 Vibrations

Total value of oscillation (k-value)	< 2,5 m/s²
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11.2 AF 1200**NOTE**

The technical data refer to 16/70 R 20 tyres.

11.2.1 Loader

- Height	2,830 mm
- Width	2,060 mm
- Wheelbase	2,085 mm
- Track width	1,660 mm
- Operating weight w/o attachment	5,790 kg
- Ground clearance	
- Cardan shaft	420 mm
- Turning radius	
- over rear	3,710 mm
- across bucket	4,270 mm
- Steering angle	+/- 35 °
- Swinging angle	+/- 10 °
- Embankment angle	°
- Climbing ability with payload	60 %
- Perm. towed load at max. drawbar load of 100 kg	
- braked	8,000 kg
- unbraked	750 kg
- Max. lifting capacity	66.0 kN
- with Boost	77.0 kN
- Max. thrust force	48.5 kN

11.2.2 Engine**11.2.2.1 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 at 2600 rpm
- Exhaust gas emission acc. to RL 97/68 EC tier IIIA + EPA	
- Cooling system	Water
- Total coolant	approx. 14 l
- Anti-freeze	7 l

11.2.2.2 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 at 2600 rpm
- Exhaust gas emission acc. to RL 97/68 EC tier IIIA + EPA	
- Cooling system	Water
- Total coolant	approx. 14 l
- Anti-freeze	7 l

11.2.3 Starter

- 2.2 kW / 12 V

11.2.4 Alternator

- 60 A, 14 V

11.2.5 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

1.st 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

11.2.6 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

11.2.7 Tyres

The following tyres are permitted:

- Size 16/70 R 20 MPT-04
- Tyre pressure
 - front 3.0 bar
 - rear 3.0 bar
- Size 405/70 R 20 XZSL
- Tyre pressure
 - front 3.75 bar
 - rear 3.75 bar
- Size 405/70 R 20 EM-01
- Tyre pressure
 - front 3.75 bar
 - rear 3.75 bar
- Size 9.00 R 20 X-MINE D2
- Tyre pressure
 - front 5.0 bar
 - rear 5.0 bar
- Size 550/45-22.5 328
- Tyre pressure
 - front 2.4 bar
 - rear 2.4 bar

11.2.8 Steering system

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

11.2.9 Brakes

“40 km/h” variant

- Service brake (front axle: wet lamella brake). Acting as inching brake in the first pedal actuation stage.
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11.2.10 Electrical system

- Battery 88 Ah

11.2.11 Hydraulic system

- Contents	134 l
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- Times acc. to DIN ISO 7131	
Lift (with payload)	4.5 s
Lower	3.5 s
Dump (45°)	2.0 s
Tilt up	1.8 s

11.2.12 Fuel supply system

- Fuel tank contents	130 l
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11.2.13 Heater and ventilation system

- Air/water heat exchanger	
- Heater performance	
- 3-stage heater	max. 14.5 kW
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11.2.14 Suction/return flow filter

- Filter mesh	10 µm nom.
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11.2.15 Electric contamination indicator

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11.2.16 Combination cooler with temperature-controlled fan

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11.2.17 Noise emission

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Acoustic power level (LpA) » noise in the driver's cabin: «	74 dB(A)

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