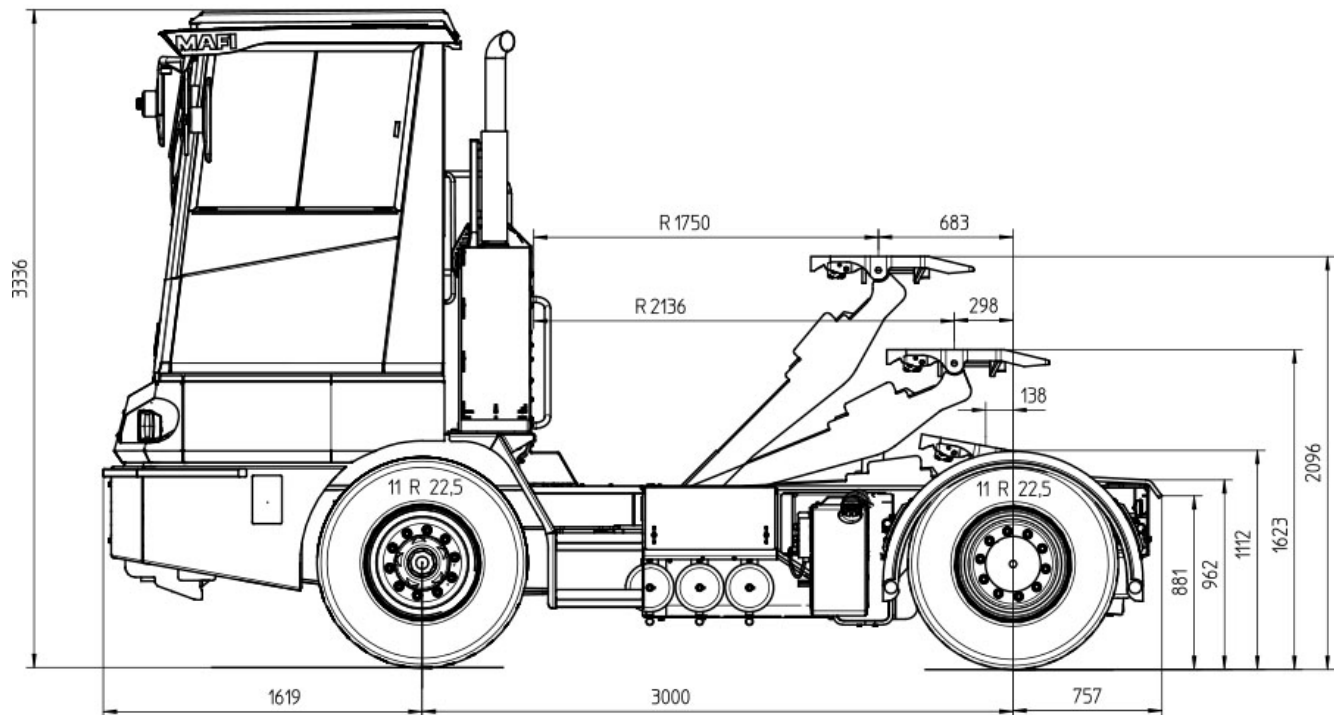


Technical specifications

Version: 01 / 2025

Terminal T 230



Tires	11 R 22.5	295/60 R 22.5	310/80 R 22.5	T 230
A	950 mm	860 mm	940 mm	Wheelbase: 3.000 mm
B	1.135 mm	1.020 mm	1.130 mm	Total length: 5.270 mm
C	1.640 mm	1.560 mm	1.630 mm	Rotation radius (RT): 1.825 mm
D	2.105 mm	2.030 mm	2.100 mm	Turning radius (RS): 2.800 mm
E	3.275 mm	3.190 mm	3.270 mm	Turning radius: 6.870 mm

The values A-D can be reduced by 50 mm when the rear axle air suspension is lowered. The value B can be increased by 25 mm with rubber mud flaps.

General information

Net weight:	approx. 8,000 kg
System load:	approx. 90,000 kg
Load capacity:	approx. 25,000 kg
Speed:	max. 40 km/h

Vehicle drive motors

Nominal power:	129 bis 168 kW
Maximum torque:	799-945 Nm

Gearbox

ZF 5WG191

Gears:	6 forward, 3 backward
Transmission ratio:	$i = 5.638...0.627$ (forward)

Allison 3000P

Gears:	6 forward, 1 backward
Transmission ratio:	$i = 3.49...0.65$ (forward)

Hydraulic pump

maximum pressure:	250 bar
maximum volume flow	82 l/min
Tank capacity:	55 liters

Air compressor

Air compressor:	360 cm ³
Maximum working pressure:	P = 10 bar
Number of cylinders:	1

Cooling system

- Water/air cooler for engine cooling water
- Oil/air cooler for gear oil
- Air-to-air intercooler

Front axle (non-driven)

Volvo

Maximum permissible axle load:	13.000 kg
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Permissible axle load:	11.000 kg bei 20 km/h
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Suspension:	Parabolic steel springs, including hydraulic shock absorbers, hydrostatic external force steering with load-sensing priority valve
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Rear axle (driven)

Kessler, D81 PL 478

Maximum permissible axle load:	50.000 kg
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Permissible axle load:	35,000 kg at 20 km/h*
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Axle ratio:	$i = 12.73$ with differential lock
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Optional: Air suspension up to 14,000 kg fifth wheel load
* actual axle load based on tire load capacity

Wheels and tires

6 steel disc wheels

- 10-hole rim 22.5 x 8.25 with tapered shoulder radial tires 11 R22.5 with wheel guard ring at the front
- 10-hole rim 22.5 x 8.25 with tapered shoulder radial tires 12 R22.5 with wheel guard ring at the front
- 10-hole rim 22.5 x 8.25 with tapered shoulder radial tires 280/75 R22.5 with wheel guard ring at the front
- 10-hole rim 22.5 x 8.25 with tapered shoulder radial tires

- 310/80 R22.5 with wheel guard ring at the front
- 10-hole rim 22.5 x 9.00 with tapered shoulder radial tires 295/60 R22.5 with wheel guard ring at the front
- 10-hole rim 22.5 x 9.00 with tapered shoulder radial tires 300/80 R22.5 with wheel guard ring at the front
- 10-hole rim 22.5 x 9.00 with tapered shoulder radial tires 310/80 R22.5 with wheel guard ring at the front

Steering system

- Fully hydraulic Orbitrol steering system with priority valve and emergency steering capability

Steering wheel diameter: 380 mm

Braking system

- Compressed air brake system with air dryer pursuant to EC regulations as a dual-circuit braking system with dual-line trailer brake connection
- Spring-loaded parking brake
- EBS-ABS braking system 4S/4M

Brake pressure: 10 bar

Compressed air tank: 2 (US) / 3 (EU) x 30 liters

Vehicle frame

- Welded steel frame
- All walkable surfaces with non-slip coating
- Anti-slip profile steps integrated into the frame

Color: RAL 7024 (graphite gray)

Coating: 120 m

Towing hitch: Front with plug bolts for tow eye diameter 40 mm Rear for all common tow eye diameters 40 mm Front/rear locking pin

Fifth wheel swing arm

Eurohitch 2" FW3510-TR fifth wheel coupling for 36,000 kg

- Release of the fifth wheel coupling via 2 push buttons on the dashboard
- Single- or double-acting lift cylinders with 500 or optional 1,000 mm stroke

Hydraulic system

- High-performance gray cast iron gear pump

Hydraulic oil reservoir: 55 liters, mounted behind the cab, with integrated 16 m return filter

Operating pressure: 250 bar

Electrical system

- Direct current system
- Two maintenance-free high-performance 12V / 95 Ah board batteries with battery main switch
- Central electrical system protected in the cabin, easily accessible
- 7-pin trailer socket behind cabin
- Car horn

Operating voltage: 24 V

Lighting

- Two LED headlights (daytime running lights/low beam-high beam) at the front with integrated turn signals
- LED brake lights, turn signals, tail lights and reversing lights
- LED rotating beacon

Driver's cab

- Left-hand drive

- KTL primer (cataphoretic dip coating), powder coating
- Cabin as a sheet steel construction with safety tubular frame
- ROPS and FOPS certified (pursuant to ISO 3471:2008 / 3449)
- Large tilt angle (55°) with double-acting hydraulic cylinders and safety hand pump
- Vibration-isolated bearing with integrated hydraulic suspension and damping
- Safety glass side door, access via non-slip platform
- All windows made of tinted safety glass
- Front and rear windows made of laminated safety glass
- Horizontal sliding window on the driver's side
- Parallelogram windshield wiper with 2-stage interval
- Windshield washer system
- Handrails at the rear of the cabin
- Exterior mirrors mounted on cabin, adjustable exterior mirrors on left and right
- Right-hand side mirror, telescopic
- Cabin in base color RAL 7024 (graphite gray)
- Partially covered with film in RAL 9010 (pure white)

Optional:**Protective bar behind cabin**

Interior fittings

- Reading lamp, ashtray, coat hook, storage compartment
- Powerful cabin heating via separate heating circuit
- Powerful 4-speed fan for fresh air / recirculated air
- Panoramic rearview mirror
- Non-slip rubber floor mat
- Comfortable driver's seat, adjustable for height, length and angle, air-sprung
- Steering wheel, height and tilt adjustable
- Air conditioning

Controls

Controls:

- Switch
- Combination lever for turn signals
- High beam and low beam
- 2-stage interval windshield wipers
- Windshield washer system
- Horn
- Joystick for raising/lowering the fifth wheel swing arm

Toggle switch or push button:

- Daytime running lights / low beam-high beam
- Rotating beacon
- Work lights, front or rear
- Parking brake
- Safety approval for fifth wheel coupling
- Hazard warning lights

Multifunction color display with the following information:

- Travel speed in km/h
- Coolant level and temperature in °C
- Brake pressures circuits 1-3
- Parking brake
- HV battery charge indicator
- Consumption and recuperation display
- Operating voltage
- Operating hours and maintenance indicator
- Charging indicator
- Gear and speed indicator
- Differential lock
- Turn signal
- Diagnostic codes for engine transmission
- Fifth wheel coupling lock and load