



Technical Data

R 332 | R 336

| Tyres | 11.00 R 20 & 12 R 22,5 | 310/80 R 22,5 X-Terminal-T | 315/80 R 22,5 (MT36) | |
|----------|------------------------|----------------------------|----------------------|-------------------------------|
| Capacity | 32 t | 32 t | 36 t | |
| A | 1014 mm | 1007 mm | 1013 mm | |
| B | 1097 mm | 1090 mm | 1096 mm | |
| C | 1595 mm | 1588 mm | 1594 mm | |
| D | 2088 mm | 2081 mm | 2087 mm | |
| E | 3030 mm | 3025 mm | 3030 mm | |
| F | 3180 mm | 3175 mm | 3180 mm | with optional high roof cabin |

Values A - D may be reduced by 30 mm at lowered rear axles air suspension.

with optional high roof cabin

Subject to technical modifications without notice
332,099,0014-0 - Revision: August 2012

500/08/12



Engines

Mercedes/MTU industrial diesel engine OM 906 LA
Low emission rating acc. to Euromot 3a (97/68/EC)
6 cylinders, straight configuration, turbocharged

Option:

Mercedes/MTU industrial diesel engine OM 906 LA
Low emission rating acc. to Euromot 3a (97/68/EC)

6 cylinders, straight configuration, turbocharged

Option:

Volvo-Penta industrial diesel engine TAD 750 VE
Low emission rating acc. to Euromot 3a (97/68/EC)
6 cylinders, straight configuration, turbocharged

Engine displacement: 6,37 l
Maximum power: 170 kW/228 bhp bei 2.200 U/min
Maximum torque: 810 Nm at 1,200-1,600 rpm
Air compressor: 636 cm³
Generator: rotary current 28 V, 80 A

Engine displacement: 6,37 l
Maximum power: 190 kW/255 bhp oder 205 kW/275 bhp bei 2.200 U/min
Maximum torque: 1,000 or 1,100 Nm at 1,200-1,600 rpm
Air compressor: 636 cm³
Generator: rotary current 28 V, 80 A

Engine displacement: 7,15 l
Maximum power: 181 or 200 kW at 2,300 rpm
Maximum torque: 1,050 Nm at 1,500 rpm
Air compressor: 920 cm³
Generator: rotary current 24 V, 80 A

Fuel

Fuel tank: 250 l
Filter with water separator

Combustion air supply

Dry air filter with replaceable cartridge and cyclone dust pre-separator

Exhaust system

Special muffler with vertical outlet pipe

Cooling system

Finned water/air radiator for engine coolant;
Finned oil/air radiator for transmission oil;
Finned air/air charge air cooler in front of water/oil radiator

Transmission

Powershift reversing transmission ZF 6WG 211; gear ratios: 5.683 / 3.702 / 2.304 / 1.501 / 0.963 / 0.627 with hydrodynamic torque converter; with motor-dependent pump drive;
Gears: 6 forward, 3 reverse (warning signal during reverse), neutral electro-hydraulic shifting; with automatic logic and the possibility for manual gear selection

Option: Powershift reversing transmission ZF 6WG 211 with torque converter clutch; gear ratios: 5.683/3.702/2.304/1.501/0.963/0.627 with hydrodynamic torque converter and torque converter clutch; with motor-dependent pump drive;
Gears: 6 forward, 3 reverse (warning signal during reverse), neutral electro-hydraulic shifting with automatic logic and the possibility for manual gear selection

Front axle (powered) 4 x 4

Kessler LT71 PL375, max. admissible axle load 35 t; axle drive ratio: i = 18.28
Suspension: parabolic steel springs; incl. hydr. shock absorbers;
Hydrostatic power steering, supplied by a load-sensing priority valve.

Option: non-driven front axle (4x2)

Rear axle (powered)

R 332: Kessler D81 PL378, max. admissible axle load 40 t; axle drive ratio: i = 18.0
R 336: Kessler D81 PL478, max. admissible axle load 50 t; axle drive ratio: i = 18.0
Suspension: rigidly bolted to frame; differential lock; level controlled up to 20 t optionally

Wheels and tyres

R 332: Steel disc wheel with tapered rim radial tyre 12R 22,5 with wheel protection ring
R 336: Steel disc wheel with tapered rim radial tyre 315/80R 22,5

Brake system

Compressed air brake system with air dryer based on EC specifications in the form of a dual-circuit brake system with dual-line trailer brake connection, spring-loaded parking brake

Vehicle frame

Welded steel frame; with steel protected tank and pneumatic compartment; colour RAL 7024 (graphite grey); dry film thickness (dft): 120 µm; all accessible surfaces made of non-slip aluminium button plate; tow bar coupling, front with socket pin for tow bar ring diameter 40 mm; tow bar coupling, rear with socket pin for all common tow bar ring diameter 40–90/190 mm

Fifth wheel

Fifth wheel coupling Eurohitch 2" FW 3510-TR; admissible load 36,000 kg; double-action lift cylinders; pneumatic safety remote release

Hydraulic system

Hydraulic oil tank 110 l; with integrated 10 µm return filter
High-power, cast iron gear pump
R 332: working pressure 220 bar
R 336: working pressure 250 bar

Electrical system

- >> DC electrical system, operating voltage 24 V
- >> Two maintenance-free, high-performance starter batteries 12 V/150 Ah connected in series; with battery main switch
- >> Central electric in the cabin; protected; easily accessible
- >> 7-pin trailer power socket

Lighting

- >> Two H4 main headlights at front (high and low beam)
- >> Two turn indicators at front
- >> Two combined brake/turn indicators and tail lights at rear with integrated reversing light
- >> Folding yellow warning beacon
- >> Operational spotlight at rear side of cabin

Driver's cab

- >> Cabin made of sheet steel with tubular safety frame; ROPS tested and certified (acc. ISO 3471/SAE J1040)
- >> Wide tilt angle (55°) using double-acting hydraulic cylinder and manually-operated safety pump
- >> Vibration-isolated bearing with integrated hydraulic suspension and buffer
- >> Rear sliding door with safety glass panel
- >> Side door, mounted at the front
- >> Electrically operated vertical sliding window in the side door
- >> Horizontal sliding window on the right side
- >> Roof window
- >> All windows tinted and made of safety glass
- >> Front and rear windscreen made of laminated safety glass
- >> Parallelogram windscreen wipers with washer system for front and rear windscreen
- >> Maintenance hood on the right side
- >> Hand rails at cabin rear side
- >> Manually adjustable wing mirrors left and right
- >> Paint finish: Colours RAL 9010 (pure white); dry film thickness (dft) 120 µm

Option: High roof cabin without roof window.

Interior features

- >> 2 sun visors at front and rear windscreen
- >> Reading lamp; ashtray; coat hanger; storage compartment
- >> High-performance cab heating via engine coolant water
- >> Powerful 3-speed fan with fresh air circulation and built-in filter
- >> Panorama rear view mirror
- >> Anti-slip, easily cleaning rubber floor mat
- >> Comfortable, air-suspended driver's seat; adjustable in height, inclination, cross and lengthwise
- >> Option: Swivel seat with automatic change of steering logic

Controls

- >> Ignition lock
- >> Combination lever for turn signal, parking lights and low beam, windscreen wiper/washer front, horn
- >> Joystick for raising and lowering the fifth wheel coupling
- >> Selector lever for shifting gears
- >> Flip switch or button: Main lights, warning beacon, rear operational spotlight, parking brake, safety release for fifth wheel coupling, bypass motor-stop; hazard lights
- >> Multi-function display with the following indicators: Rpm gauge; speedometer; water coolant temperature; transmission oil temperature; transmission oil pressure; engine oil pressure; brake reserve pressure (3-circuit); fuel supply; battery voltage; operating hours
- >> Control lights: Fifth wheel coupling lock; differential lock; low beam; high beam; turn signal for tractor; turn signal for trailer; battery charge; contamination indicator of air filter; motor coolant level; brake reserve pressure; parking brake; transmission warning; motor malfunction

Tractor dead weight

9.800 kg

Further options on request