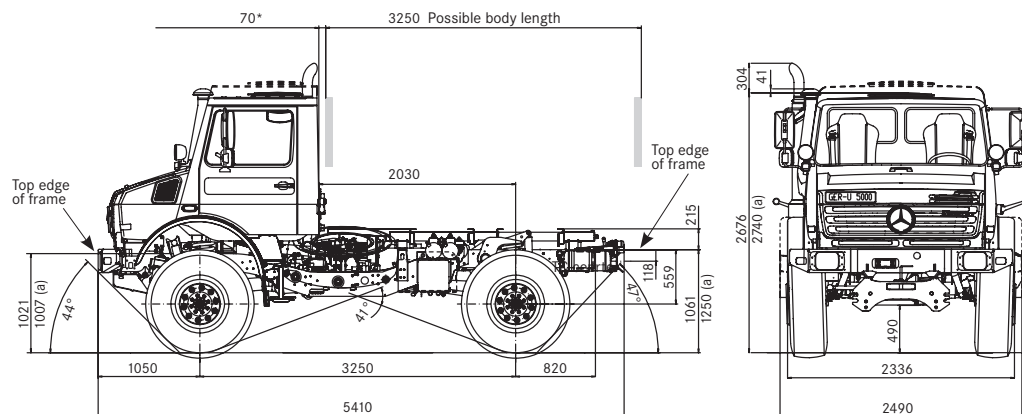
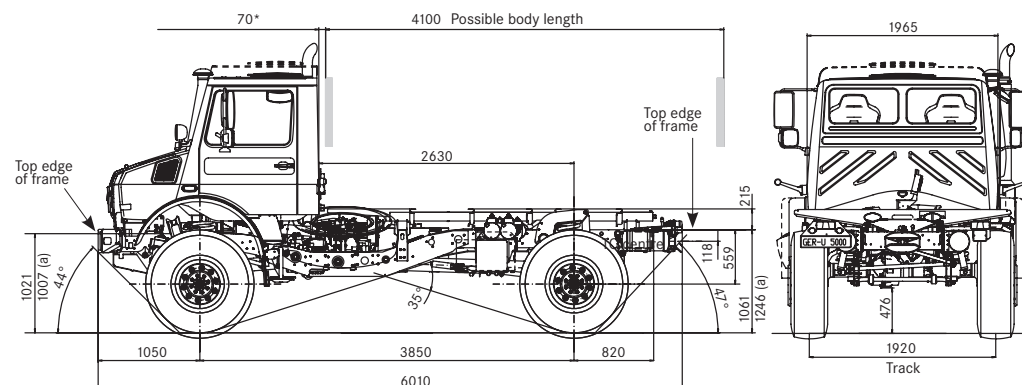


Mercedes-Benz Unimog U 5000 Euro 5



Wheelbase 3250 mm (model variant 437.431) as chassis



Wheelbase 3850 mm (model variant 437.436) as chassis (Figure with special equipment)

All dimensions in mm, shown with 365/80 R 20 tyres, (a) unladen, TC = trailer coupling, * front edge of body

More information on the Mercedes-Benz Unimog can be found online at: www.mercedes-benz.com/unimog
Daimler AG, Special Trucks Division, 76742 Wörth, Germany, 6703.T1121/Euro 5-02-00/0609
The manufacturer reserves the right to make changes without notice. Printed in Federal Republic of Germany.

Standard equipment

Engine

- Turbocharger, intercooler • 2 control characteristics (on-road/off-road) • Manual throttle (electronic)
- 2 viscous fans with V-belt drive • Euro 5 emissions standard • 2-stage engine brake (constantly open throttle/throttle valve) • Air compressor 310 l/min • Air dryer • Air filter, moisture separator • Cold start down to -18°C • Maintenance intervals every 30,000 km (1,200 operating hours)

Clutch/transmission

- Single-plate dry clutch, self-adjusting • 8 forward and 6 reverse gears • Rear-axle drive with pneumatically selectable all-wheel drive • Telligent® gearshift • Cruise control/speed limiter • Max. speed limiter 90 km/h • EQR (Electronic Quick Reverse)

Frame/axes

- Flexible, ladder-type frame with high torsional flexibility • 3-point mountings for engine, transmission • Front towing jaw with pin • Coil springs with progressive characteristic line • Front/rear stabilisers, shock absorbers • Portal axles with hub drive, $i = 6.94$ • Front/rear differential lock • Anti-corrosion underbody protection (Dinol)

Cab, exterior

- All-steel short-bonnet cab, roof flap • Seat position behind the front axle • Short front end dimensions • Cab strength acc. to ECE R29/2 • Bonnet tilts for maintenance • 3-point sprung-mounted cab with dampers • High, protected windscreen • 2 rear windows • Tinted glass all-round • Power windows • Windscreen washer system • Windscreen wipers with several speed settings and intermittent setting • Dust-free air intake at cab roof height • Non-slip steps with grab handle • Heated exterior mirrors, electrically adjustable

Cab, interior

- Heating and ventilation system, 3-speed blower, residual engine heat utilisation • Rest table and stowage compartments • Overhead console with 2 installation openings for radio/tachograph • Up to 3 sun visors • Centre console with central controls, 1 installation opening • Combination switch on the steering column • Instrument cluster with analogue and LCD displays • On-board diagnostics • Hour meter • Seats with tailored backrest and integral head restraint • Driver's seat adjustable for height and length, adjustable backrest • 3-point seat belts all-round • Armrest in door trim • Interior lighting • Coat hook • Vehicle tools

Electrical system/lighting

- 24 V vehicle power supply • Electronics box protected in the cab • 24 V outlet • CAN bus network • Rear trailer socket, 15-pin • Battery 66 Ah • Electronic vehicle management system • EMC-certified • Three-phase generator 28 V/100 A • Halogen headlamps • Headlamp range adjustment • Rear fog lamp • Reversing lights • End-outline marker lamps • Additional indicators

Braking system

- Pneumatic/hydraulic high-pressure braking system (18 bar) • Disc brakes on all 4 wheels • 4-channel ABS, can be deactivated off-road • Automatic load-sensitive brake pressure control (ALB) • Compressed air connection for auxiliary loads • Spring-loaded parking brake • Tyre inflation connection • Brake pad wear indicator • Air dryer

In addition to this extensive standard equipment, we can also offer you a host of optional equipment and accessories to meet the specific operational needs of your Unimog. Your Unimog Partner will be happy to advise you.

| Engine | | 160 kW (218 hp) |
|------------------------------|-----------------------|--|
| Emissions class | | Euro 5 |
| Model | | OM 924 LA |
| Type | | 4-stroke diesel direct injection with turbocharger/intercooler |
| No. of cylinders/arrangement | | 4, in-line |
| Displacement | cc | 4,800 |
| Max. output | kW (hp) | 160 (218) |
| at rated engine speed | rpm | 2,200 |
| Max. torque | Nm | 810 |
| Cooling system | | Water with thermostat, 2 viscous fans with V-belt drive |
| Diesel fuel tank | Net capacity (litres) | 145, with crewcab 160 |
| AdBlue tank | Net capacity (litres) | 18 |

Transmission

- MB full-synchromesh reversing transmission with 8 forward and 6 reverse gears
- Opt. additional 8 fully loadable working gears/off-road gears
- Opt. electronic AutomaticShift system

Speeds (in km/h, forward)

| | | | |
|---------------|-----|---|------|
| Main gears | 6.5 | - | 84.6 |
| Working gears | 1.1 | - | 14.7 |

with 365/80 R 20 tyres and final drive ratio i = 6.94

Electrical system 24 V

- Opt. battery 2 x 12 V/100 Ah, or 125 Ah
- Opt. 24 V/25 A and 12 V/15 A outlets with C3 signals
- Opt. 24 V/40 A equipment socket, 24-pin with C3/C4 signals

Steering

- ZF Servocom hydraulic power steering, type 8095
- Opt. right-hand drive
- Turning circle Ø short wheelbase from 14.4 m
- Turning circle Ø long wheelbase from 16.2 m

Axles/drive

- Portal axles connected to the transmission with torque tubes
- Axle tube and differentials situated above wheel centre line, high ground clearance
- Standard-fit front/rear differential locks, all locks can be selected and deactivated electropneumatically while in motion using a dog clutch (100% locking factor)
- Standard fording capability up to 800 mm
- Opt. fording system up to 1,200 mm fording depth
- Opt. heat protection and mechanical protection for forest firefighting

Cab

Exterior

- Opt. crewcab for 7 persons • Opt. hydraulic tilt cab • Opt. heated windscreen • Opt. cab extended by 120 mm • Opt. cab roof raised by 120 mm • Opt. round roof hatch • Opt. vertical exhaust pipe

Interior

- **Seats** • Opt. driver and passenger seats as air-sprung luxury suspension seat • Opt. passenger seat as two-seater version; provides 3 seats • All seats with 3-point seat belts and head restraints

Air conditioning • Integral air conditioning system or roof-mounted air conditioning system (also for crew-cab) • Opt. auxiliary heating with engine preheating, 7-day timer

Instruments, controls • Driver information system (FIS) with status displays, event reports and menu-driven on-board diagnostics • 2-line indicator lamps, visual and acoustic warning indicators • Opt. digital tachograph

Safety • Safety locks in the doors, steering and ignition lock

Lighting

- Opt. auxiliary headlamps with indicator lamps for implement operation
- Opt. waterproof halogen fog lamps
- Opt. rotating beacons

Wheels/tyres

- 4 identical size tyres; single tyres
- Opt. low-pressure tyres with MPT/AS/Sand treads
- Standard tyres 365/80 R 20
- Smallest tyres 405/70 R 20
- Largest tyres 455/70 R 24
- Opt. tyre pressure control system (tirecontrol) to adjust the tyre pressure to on-road/off-road

Max. permissible loads (in tonnes up to)

| Perm. GVW | Front | Rear |
|-----------|-------|---------------------------|
| 11.99 | 5.5 | 7.5 |
| 12.5 | 5.5 | 7.5 |
| 13.8 | 6.2 | 8.5 only for attachments |
| 14.1 | 6.2 | 8.5 only for firefighting |

Towing capacity

- Opt. dual-line trailer braking system
- As truck up to 18.7 t, with centre axle trailer up to 9 t

Hydraulics (optional)

Universal hydraulic system for positioning movements and continuous loads, implement manufacturer to supply req. valves

- Single-circuit hydraulic system, with 60 l/min flow rate and 240 bar operating pressure
Oil reservoir: 25 l (consumption quantity: 8 l)
Can be controlled by equipment provided by implement supplier
2 connectors front and rear

Auxiliary drives (optional)

Transmission-mounted auxiliary drive

Mechanical transmission-mounted auxiliary drive to power hydraulic pumps (e.g. for crane or excavator)

- High-speed PTO with i = 1.0
Speed 2,200 rpm, rotates anticlockwise in the direction of travel
Max. torque 520 Nm
Max. output 120 kW

or

- Ultra-high-speed PTO with i = 0.61
Speed 3,606 rpm, rotates clockwise in direction of travel
Max. torque 320 Nm
Max. output 120 kW

Implements and attachments (optional)

- Front mounting plate acc. to DIN 76 060, type B, size 3
- Frame attachment fittings/brackets, front and centre; cable winch bracket
- Floor assembly with twin articulation-free 3-point mountings for bodies