Mercedes-Benz Unimog U 500 Euro 5

**Standard equipment**

**Engine**
- Turbocharger, intercooler
- 2 control characteristics (driving/implement mode)
- Manual throttle (electronic)
- Hydrostatic fan 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
- Starter lock
- Intake air for cold start down to -16°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
- Permanent all-wheel drive with lockable interaxle differential
- Telligent gearshift
- Cruise control/speed limiter
- Max. speed limiter 90 km/h
- EQR (Electronic Quick Reverse)

**Frame/axles**
- Continuous, rigid ladder-type frame
- Front/rear stabilisers
- Telescopic shock absorbers
- Coil springs with progressive characteristic line
- Front/rear stabilisers
- Telescopic shock absorbers
- Portal axles, i = 6.38
- Differential lock at the rear
- Anti-corrosion underbody protection (Dinol)

**Cab, interior**
- Air conditioning system with heating and ventilation system
- Residual engine heat utilisation
- Flat cab floor
- Stowage compartments and stowage box
- Overhead console with 2 installation openings for radio/tachograph
- 3 sun visors
- Centre console with central controls and 2 installation openings
- 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
- Seats adjustable for height, length and angle
- Adjustable backrest, integral 3-point seat belts
- Armrest in door trim
- Interior lighting with reading lamps for driver and passengers
- 3 coat hooks
- Vehicle tools

**Electrical system/lightning**
- 24 V vehicle power supply
- Electronics box protected in the cab
- 24 V outlet
- CAN bus network
- Rear trailer socket, 15 pin
- Battery 135 Ah
- Electronic vehicle management system
- EMC-certified
- Three-phase generator 28 V/100 A
- Free-form headlamps
- Headlamp range adjustment
- Rear fog lamp
- Reversing lights
- End-outline marker lamps
- Additional indicators

**Braking system**
- Pneumatic 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

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.

More information on the Mercedes-Benz Unimog can be found online at: [www.mercedes-benz.com/specialtrucks](http://www.mercedes-benz.com/specialtrucks)

Daimler AG, Mercedes-Benz Special Trucks, 76742 Wörth, Germany, 6703.T0220/Euro 5.02-04/0512

The manufacturer reserves the right to make changes without notice. Printed in Germany/Imprimé en Allemagne.
**Engines**

<table>
<thead>
<tr>
<th>Emissions class</th>
<th>Euro 5</th>
<th>Euro 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>OM 906 LA</td>
<td>OM 908 LA</td>
</tr>
<tr>
<td>Type</td>
<td>4-stroke diesel direct injection with turbocharger/intercooler</td>
<td></td>
</tr>
<tr>
<td>No. of cylinders/arrangement</td>
<td>6, in-line</td>
<td>6, in-line</td>
</tr>
<tr>
<td>Displacement (cc)</td>
<td>6,670</td>
<td>6,370</td>
</tr>
<tr>
<td>Max. output (kW)</td>
<td>175</td>
<td>210</td>
</tr>
<tr>
<td>at rated engine speed (rpm)</td>
<td>2,200</td>
<td>2,200</td>
</tr>
<tr>
<td>Max. torque (Nm)</td>
<td>850</td>
<td>1,120</td>
</tr>
<tr>
<td>Cooling system</td>
<td>Water with thermostat, hydrostatic fan drive</td>
<td></td>
</tr>
<tr>
<td>Diesel fuel tank</td>
<td>Net capacity (litres) 190 (opt. 240)</td>
<td></td>
</tr>
<tr>
<td>AdBlue tank</td>
<td>Net capacity (litres) 25</td>
<td></td>
</tr>
</tbody>
</table>

**Transmission**

- MB full-synchroves reversing transmission with 8 forward and 6 reverse gears
- Opt. additional 8 fully loadable working gears and 8 crawler gears (backwards/forwards)
- Opt. electronic AutomaticShift system
- Opt. hydrostatic drive, module operation

**Speeds (in km/h, forward)**
- Main gears: 7.0 - 90.0
- Working gears: 1.2 - 1.8
- Crawler gears: 0.13 - 1.64

**Electrical system 24 V**

- Battery 2 x 12 V/135 Ah
- Opt. 24 V/25 A and 12 V/15 A outlets with C3 signals
- Opt. 24 V/40 A equipment socket, 32-pin with C3/C4 signals

**Axles/drive**

- Front/rear portal axles on trailing links and wishbones
- Opt. differential lock at front axle
- All locks can be selected and deactivated electropneumatically while in motion using a dog clutch (100% locking factor)

**Cab**

- Optimum all-round visibility for working with implements
- Opt. hydraulic tilt cab
- Opt. heated windscreen
- Opt. mowing door instead of right-hand door
- Opt. vertical exhaust pipe

**Wheels/tyres**

- 4 identical size tyres; single tyres
- Opt. low-pressure tyres with truck/AS/MPT treads
- Standard tyres 385/65 R 22.5
- Smallest tyres 365/80 R 20
- Largest tyres 455/70 R 24
- Opt. tyre pressure control system (tirecontrol) to adjust the tyre pressure to on-road/off-road

**Lightning**

- Opt. auxiliary headlamps with indicator lamps for implement operation
- Opt. rear floodlight
- Opt. rotating beacons

**Wheels/tyres**

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**Max. permissible loads (in tonnes up to)**

<table>
<thead>
<tr>
<th>Perm. GVW</th>
<th>Front</th>
<th>Rear</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.99</td>
<td>6.7</td>
<td>5.2</td>
</tr>
<tr>
<td>14.0</td>
<td>7.2</td>
<td>6.5</td>
</tr>
<tr>
<td>15.0</td>
<td>7.5</td>
<td>6.5</td>
</tr>
<tr>
<td>16.0</td>
<td>7.5</td>
<td>9.5</td>
</tr>
</tbody>
</table>

* 2-line indicator lamps, visual and acoustic warning indicators
* Opt. digital tachograph (please observe EU directive)

**Exterior**

- Opt. side view cameras
- Opt. passenger seat as heated, air-sprung luxury suspension seat
- Opt. passenger seat as two-seater version; provides 3 seats with integral seat belts
- Opt. swivel seat in conjunction with the mowing door on the passenger side
- Air conditioning: Opt. pollen filter
- 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

**Hydraulic (optional)**

**Working or common hydraulics**

acc. to EN 15431 for positioning movements and continuous loads (supplied as hydraulic packages)
- Single-circuit hydraulic system, with 48 l/min flow rate and 200 bar operating pressure
- Dual-circuit hydraulic system with proportional control, circuit I/II, with 24/48 l/min flow rate and 200/240 bar operating pressure
- Oil reservoir 45 l (consumption quantity 10 l)
- Circuit I controlled via 2 to 4 double-acting valves with floating position
- Up to max. 4 cells operated via joystick and switch, flow rate selection, flow summation

**Auxiliary drives (optional)**

- PTO shaft at the front
  - Direct, mechanical power take-off from the engine drive train, power-shiftable, standard speed 540/1,000 rpm
  - Rotates clockwise in the direction of travel
  - Continuous output 15 kW
  - Profile 1¼ inch, splined shaft

**Transmission-mounted auxiliary drive**

Mechanical transmission-mounted auxiliary drive to power hydraulic pumps
- High-speed PTO with i = 1.0
- Speed 2,200 rpm, rotates anticlockwise in the direction of travel
- Max. torque 650 Nm/max. output 150 kW

**implements and attachments (optional)**

- Opt. front mounting plate acc. to DIN EN 15432, type Ftc or acc. to DIN 76 060, type B, size 3
- Opt. frame attachment fittings/brackets, centre, rear and between the axles
- Opt. 3-sided tipper platform

**Daimler AG Wörth plant, Mercedes-Benz Special Trucks Mercedes-Benz Unimog U 500 | As at 11.2013**