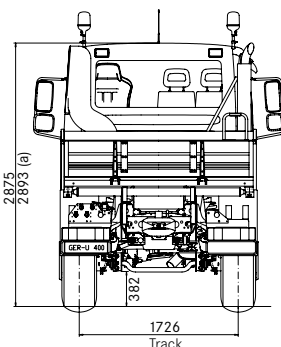
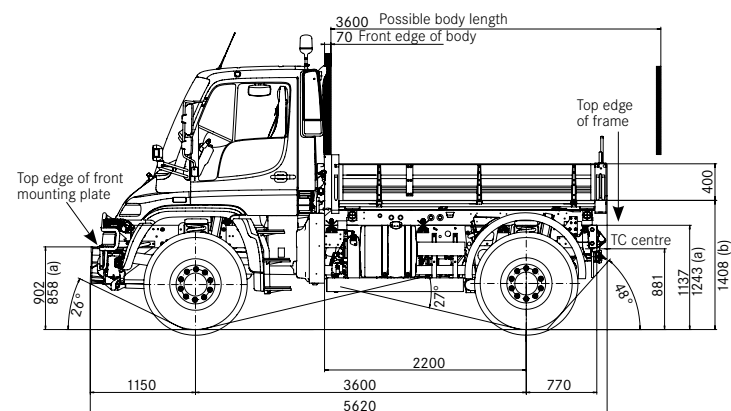
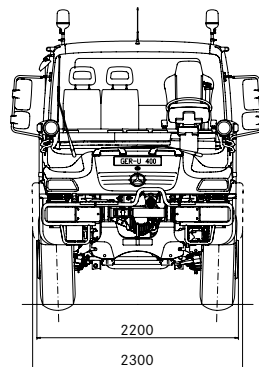
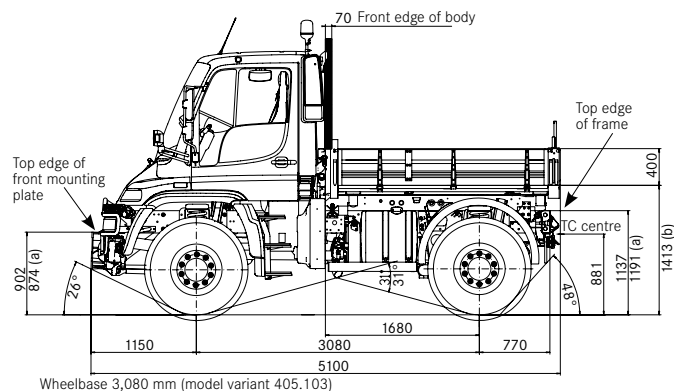




Mercedes-Benz

Mercedes-Benz Unimog U 400 Euro 5



All dimensions in mm, shown with 365/80 R 20 tyres, (a) unladen, (b) with low platform intermediate frame, TC = trailer coupling

More information on the Mercedes-Benz Unimog can be found online at: www.mercedes-benz.com/specialtrucks
 Daimler AG, Mercedes-Benz Special Trucks, 76742 Wörth, Germany, 6703.T0210/Euro 5.02-06/1113
 The manufacturer reserves the right to make changes without notice. Printed in Germany/Imprimé en Allemagne.

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 preheater 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 towing jaw with pin • Integral subframe for front mounting plate
- 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, exterior

- Panoramic cab, seat position behind the front axle
- Short front end dimensions • Cab made out of corrosion-free, fibre-reinforced plastic • Cab strength acc. to ECE R29/2 • Comfort mounting with vibration damping • Tilting cab • Deep-set laminated windscreen
- Deep-sill windows in the doors • Large rear window
- Tinted glass all-round • Power windows • Windscreen washer system • 3-speed windscreen wipers with intermittent setting • Raised air intake • Non-slip steps with grab handle • Heated exterior mirrors, electrically adjustable • Opt. vertical exhaust pipe

Cab, interior

- Air conditioning system with heating and ventilation system, residual engine heat utilisation • Level 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.



| Engines | 130 kW ^(177 hp) | 175 kW ^(238 hp) | 210 kW ^(286 hp) |
|------------------------------|--|----------------------------|----------------------------|
| Emissions class | Euro 5 | Euro 5 | Euro 5 |
| Model | OM 904 LA | OM 906 LA | OM 906 LA |
| Type | 4-stroke diesel direct injection with turbocharger/intercooler | | |
| No. of cylinders/arrangement | 4, in-line | 6, in-line | 6, in-line |
| Displacement | cc | 4,250 | 6,370 |
| Max. output | kW ^(hp) | 130 ⁽¹⁷⁷⁾ | 175 ⁽²³⁸⁾ |
| at rated engine speed | rpm | 2,200 | 2,200 |
| Max. torque | Nm | 675 | 850 |
| Cooling system | Water with thermostat, hydrostatic fan drive | | |
| Diesel fuel tank | Net capacity (litres) | 190 | 190 |
| AdBlue tank | Net capacity (litres) | 25 | 25 |

Transmission

- MB full-synchromesh 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 | 7.2 | - | 90.0 |
| Working gears | 1.2 | - | 16.2 |
| Crawler gears | 0.13 | - | 1.67 |

* with 315/80 R 22.5 tyres and final drive ratio i = 6.38

Electrical system 24 V

- Battery 2 x 12 V/115 Ah, opt. 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

Steering

- Hydraulic power steering, type: ZF 8098
- Opt. right-hand drive
- Opt. VarioPilot® transferable steering system
- Turning circle Ø short wheelbase from 14.0 m
- Turning circle Ø long wheelbase from 15.7 m

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

Exterior

- 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

Interior

- **Seats** • Opt. driver and passenger seats as air-sprung luxury suspension seat, driver seat heated • 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 (please observe EU directive)

Safety

- Safety locks in the doors, steering and ignition lock
- Opt. electronic immobiliser

Lightning

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

Wheels/tyres

- 4 identical size tyres; single tyres
- Opt. low-pressure tyres with truck /AS/ MPT treads/road-rail tyres
- Standard tyres 315/80 R 22.5
- Smallest tyres 335/80 R 20
- Largest tyres 445/70 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 | 6.7 | 7.0 |
| 12.5 | 6.8 | 7.0 |
| 13.0 | 6.5 | 7.5 subject to regulations |

Towing capacity

- Opt. dual-line trailer braking system
- As truck up to 18.7 t, with centre axle trailer up to 18 t
- As tractor up to 28 t, with centre axle trailer up to 18 t

Hydraulics (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
- Snowplough load relief to reduce the contact pressure when clearing snow

Power hydraulics

for continuous loads demanding high power.

Circuit III and IV operating in tandem:

- Circuit III (closed circuit) from 0 to 125 l/min flow rate and 300 bar operating pressure
- Circuit IV (open circuit) from 0 to 90 l/min flow rate and 280 bar operating pressure

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 150 kW
- Profile 1 ¾ 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

or

- Ultra-high-speed PTO with i = 0.61
Speed 3,606 rpm, rotates clockwise in direction of travel (only BM 405.103)
Max. torque 320 Nm/ max. output 120 kW

Implements and attachments (optional)

- Opt. front mounting plate acc. to DIN EN 15432, type F1c 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