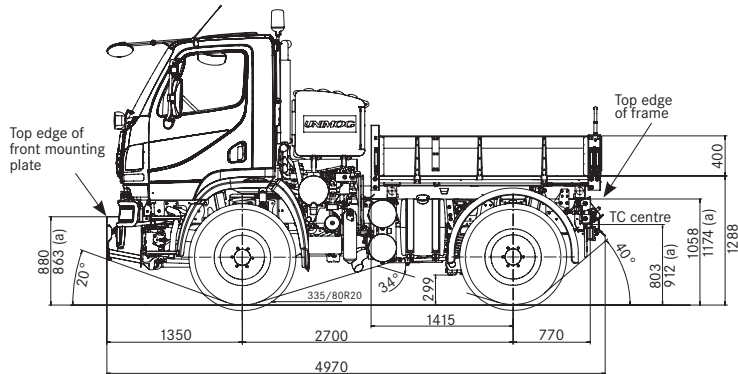
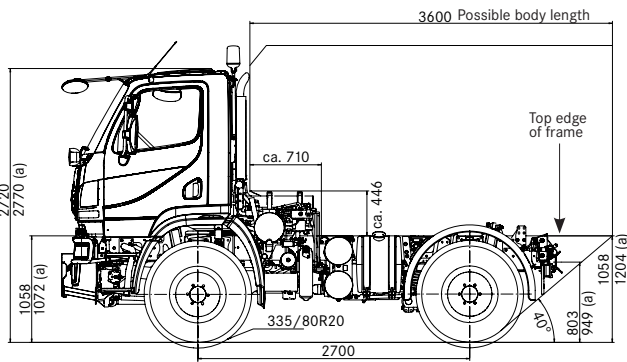
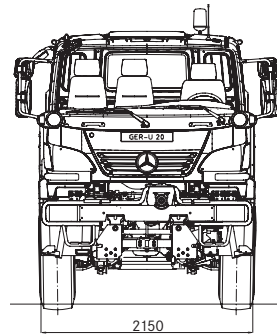


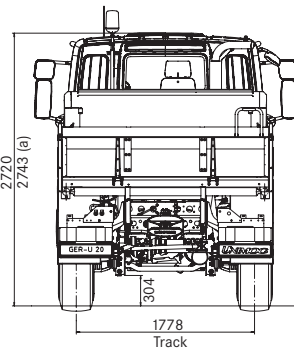
Mercedes-Benz Unimog U 20 Euro 5



Wheelbase 2,700 mm (model variant 405.050)



Wheelbase 2,700 mm (model variant 405.050) as chassis



All dimensions in mm, shown with 335/80 R 20 tyres, (a) unladen, TC = trailer coupling

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.T0230/Euro 5-02-00/0609
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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 • Cold start down to -15°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 • 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, $i = 6.53$ • Differential lock at the rear • Anti-corrosion underbody protection (Dinol)

Cab, exterior

- Cab-over-engine concept, seat position on the front axle • Short front end dimensions • Cab made out of galvanised steel • Cab strength acc. to ECE R29/2 • Sprung-mounted cab with dampers • Cab can be tilted without tools • Laminated windscreen • Windscreen with low instrument support • Adjustable roof hatch • Rear window • Tinted glass all-round • Power windows • Windscreen washer system • 2-speed windscreen wipers with intermittent setting • Non-slip steps with grab handle • Heated exterior mirrors, electrically adjustable • Front mirror

Cab, interior

- Heating and ventilation system, adjustable with 4 settings, pollen filter • Level cab floor, centre console • Stowage compartments, stowage facilities • 2 installation openings in the instrument support for radio/tachograph • 2 sun visors • Centre console with central controls and installation opening • Steering column adjustable for height and tilt • Combination switch on the steering column • Electronic immobiliser • Dashboard with instrument cluster and display • On-board diagnostics • Hour meter • Driver's seat adjustable for height, length and angle, adjustable backrest • Passengers seat with 2 head restraints, folding backrest can be used as table top • All seats with integral 3-point seat belts • Armrest in door trim • Interior lighting with reading lamps for driver and passengers • 2 coat hooks • Vehicle tools

Electrical system/lighting

- 24 V vehicle power supply • Electronics box protected in the cab • 24 V outlet • Rear trailer socket, 15-pin • Battery 115 Ah • EMC-certified • Three-phase generator 28 V/100 A • Free-form headlamps • Headlamp range adjustment • Rear fog lamp • Reversing lights • End-outline marker lamps

Braking system

- Pneumatic/hydraulic high-pressure braking system (18 bar) • Disc brakes on all 4 wheels • 3-channel ABS with Off-Road switch • 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.

Engine	110 kW, 150 hp	
Emissions class	Euro 5	
Model	OM 904 LA	
Type	4-stroke diesel direct injection with turbocharger/intercooler	
No. of cylinders/arrangement	4, in-line	
Displacement	cc	4,250
Max. output	kW (hp)	110 (150)
at rated engine speed	rpm	2,200
Max. torque	Nm	610
Cooling system	Water with thermostat, hydrostatic fan drive	
Diesel fuel tank	Net capacity (litres)	135
AdBlue tank	Net capacity (litres)	25

Transmission

- MB full-synchromesh reversing transmission with 8 forward and 6 reverse gears
- Opt. additional 8 fully loadable working gears

Speeds (in km/h, forward)

Main gears	6.6	-	85.7
Working gears	1.1	-	14.9

with 335/80 R 22.5 tyres and final drive ratio $i = 6.53$

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, 24-pin with C3/C4 signals

Steering

- Hydraulic power steering, type: LS 6
- Left-hand drive
- Small turning circle \emptyset of 12.6 m

Axles/drive

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

Cab

Exterior

- Good all-round visibility for working with implements
- Cab can be tilted out of the way with no need for hydraulic mechanism or tools
- Opt. vertical exhaust pipe

Interior

Seats

- Opt. driver seat as air-sprung luxury suspension seat

Air conditioning

- Heating and ventilation system with blower, choice of 4 speeds
- Pollen filter and air recirculation switch
- Opt. integrated air conditioning system

Instruments, controls

- Display with default setting for mileage and time
- Large instrument panel, driver information system
- 2-line indicator lamps in the instrument cluster with gear indicator
- Warning and indicator lamps on the centre console
- Opt. digital tachograph

Safety

- Safety locks in the doors, steering and ignition lock

Lighting

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

Wheels/tyres

- 4 identical size tyres; single tyres
- Low-pressure tyres with truck/MPT treads
- Standard tyres 335/80 R 20
- Truck tyres as an alternative: 315/60 R 22.5

Max. permissible loads (in tonnes up to)

Perm. GVW	Front	Rear
7.5	4.8	4.8
8.5	4.8	4.8
9.3	5.0	5.0

Towing capacity

- Opt. dual-line trailer braking system
- As truck up to 12.7 t
- As tractor up to 18 t, with centre axle trailer up to 13 t

Hydraulics (optional)

Working or common hydraulics

acc. to EN 15431 for positioning movements and continuous loads (supplied as hydraulic package)

- 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 40 l (consumption quantity 10 l)
- Circuit I controlled via 3 double-acting valves with floating position
- Up to max. 3 cells operated via joystick and switch, flow rate selection, flow summation
- Snowplough load relief to reduce the contact pressure when clearing snow
- Opt. tipping cylinder with isolating valve and connections at the rear

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 with full engine power
- Profile 1¼ inch, splined shaft

Transmission-mounted auxiliary drive

Mechanical transmission-mounted auxiliary drive to power hydraulic pumps or similar

- High-speed PTO with $i = 1.0$
Speed 2,200 rpm, rotates anticlockwise in the direction of travel, max. torque 650 Nm, max. output with full engine power

Implements and attachments (optional)

- Opt. front mounting plate acc. to DIN EN 15432, type F2 or acc. to DIN 76 060, type B, size 3
- Opt. frame attachment fittings/brackets, centre and rear
- Opt. 3-sided tipper platform
- Opt. large removable multipurpose box behind cab