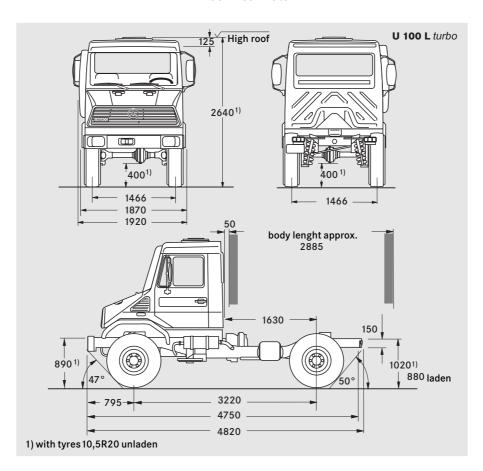


Unimog U 100 L turbo

Technical Data



Engine	
Model	
In-line, vertical engine, no of cylinders	
Max output (RREG 80/1269)	kW (hp)
At engine speed	rpm
Max. torque	Nm (kpm)
Displacement	CC

Euro 1	Euro 2
-	OM 602 DE 29 LA
-	5
-	85 (115)
-	3800
-	280(29)
-	2874

Capacities		Euro 1	Euro2
Engine coolant			
(incl. heater radiator)	litres	-	11
Engine	litres	-	10/8
Fuel	litres	-	85

E lektrical	System
12 V system	
Alternator	1260 W, 14 V, 90 A
Starter motor	2,2 KW
Battery capacity	12V, 2x 66 Ah
Trailer socket type	13-pin

Speeds and Transmission ratios

at rated engine speed of 3800 rpm and 10.5R20 tyres

U 100 L turbo

Transfer case	Axle ratio
Gears	Standard i= 8,01
Road gears i= 1,058	km/h
1st gear i= 5,053	15,3
2nd gear i= 2,601	29,6
3rd gear i= 1,521	50,7
4th ghear i= 1,0	77,1
5th gear i= 0,784	98,3
Reverse i= 4,756	16,2
Off-road gears i= 1,765	km/h
1st gear i= 5,053	9,1
2nd gear i= 2,601	17,8
3rd gear i= 1,521	30,4
4th gear i= 1,0	46,2
5th gear i= 0,784	58,9
Reverse i= 4,756	9,7

Transmission

Fully synchronised MB 5-speed manual gear box (5 forward gears, 1 reverse gear)

Two speed transfer box, switchable only when stationary.



PTO shafts / Special drives

Power take offs Code N72 ratio Speed depending on gear,

direction of rotation	anti-clockwise	
1st gear	rpm	885
2nd gear	rpm	1720
3rd gear	rpm	2940
4th gear	rpm	4470
5th gear	rpm	5700



Hydraulic system



Chassis frame

Torsionally-flexible ladder type frame. Longitudinal channel sections with welded tubular cross members. Engine, transmission and platform are mounted flexibly (three point mounting principle). Mounting bracketry available for the front and rear of the chassis as well as for platform mounting.

Axles and suspension

Portal axles with positive differential locks, wheel hub drives. Longitudinal forces are transmitted to the chassis frame by torque tubes (identical for front and rear axle). Coil springs telescopic shock absorbers all round. Rear springs are progressive, ALB standard for rear axle.



Steering

Hydraulic power-assisted steering

ZF 8090



0.85

Brakes

Hydraulic over air twin circuit disk brakes. Asbestos free pads, wear indicator as standard. Parking brake is pneumatically operated. (rear axle)



Instruments

Cab

(F06)

(S05).

S12)

Two doors

Laminated glass

Tilting steel cab, three point mounted.

Optional high roof version available

and reach, back rest tilts. Hydraulically suspended seat is available as option

Same as driver's seat, optional dual

seat available for LHD version (S11/

The interior materials can be cleaned easily. Equipment include: two sun visors, two rear window mirrors (optionally remote controlled and heated. LHD only S46), wide angle view mirror and ramp mirror available as options (S82/S83), windscreen

wipers and wipe-wash setting.

an independent pump is included as standard in the heating system thus

making the heat output independent

Easily removed for maintenance and repair work. For inspection tasks it

Heating and To ensure optimum heating for the cab

from the engine revs.

can be raised.

Side windows open manually Driver's seat Standard seat is adjustable for height

Version

Doors

Windscreen

Windows

Co-driver's

seat

Interior

ventilation

system

Bonnet

All gauges are back lit. Standard gauges: Tachometer / tachograph, engine rev counter. Warning lights: Low air pressure, high coolant temperature, low fuel level, low engine oil pressure, no charge, parking brake in multifunctional display. Full beam, All wheel drive, diff locks, optional beacons, PTO, brake pad wear indicator, clock, digital speed.



Trailer couplings

Trailer towing jaw at front with pin integrated in frame.

At rear Q06 Ringfeder	Type 86	G110
Drawbar load	kg	500
Drawbar ratio	kN	63,7



Max. RA load

Weights

Standard version: GVW 5500 kg Max. FA load 2800 kg Max. RA load 3800 kg Optional special version: **GVW** kg 6200 Max. FA load kg 2800



4000

kg

Lights

Head lights 75/70 W halogen with asymmetrical dip, optional headlight height adjustment (L35), additional head lights (L47) available as option, indicator lights, marker lights (when applicable), hazard warning lights. Rear lights include number plate light, reversing light and a rear fog light (optional L25)

specification without prior notice. The dimensions and values are given in good faith and no information in this leaflet constitutes an offer.

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