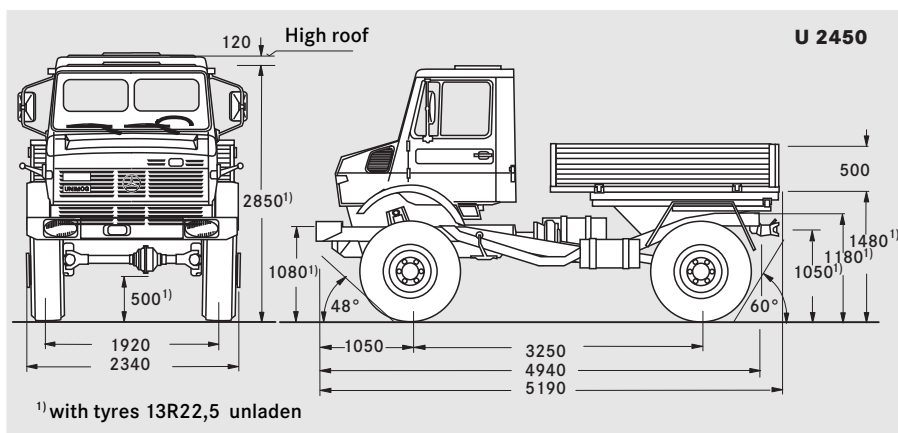
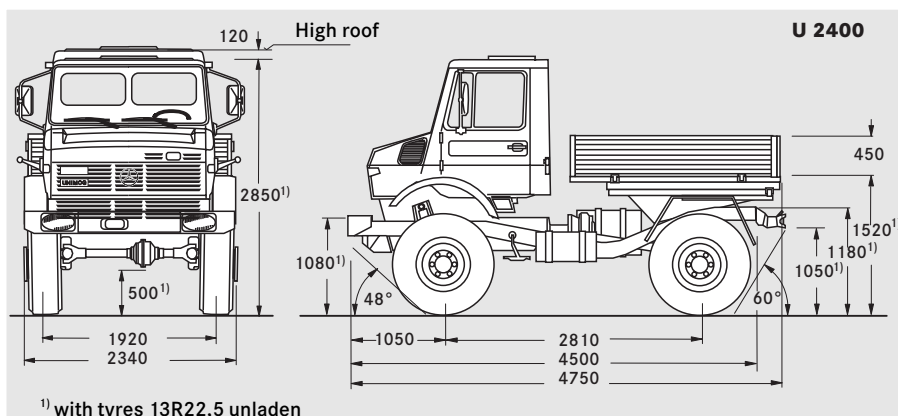




Mercedes-Benz

Unimog U 2400 /2450

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
Radiator option for dusty environment	
Intercooler	
Turbocharger	

	Euro 1	Euro 2
Model	OM 366 A	OM 366 LA
In-line, vertical engine, no of cylinders	6	6
Max. output (RREG 80/1269)	177(240)	177(240)
At engine speed	2600	2400
Max. torque	760(77)	850(87)
Displacement	5958	5958
Radiator option for dusty environment	-	M72
Intercooler	-	yes
Turbocharger	yes	yes



Capacities

	Euro 1	Euro 2
Engine coolant		
(incl. heater radiator)	litres 18	18
Engine	litres 14,5/11,5	14,5/11,5
Fuel	litres 130	130



Electrical System

24 V system	
Alternator	1540 W, 28 V, 55 A
Starter motor	4 kW
Battery capacity	24 V, 2 x 66 Ah
Trailer socket type	15-pin
12 V system (E02)	
Alternator	1120 W, 14 V, 80 A
Starter motor	3 kW
Battery capacity	12 V, 1 x 154 Ah
Trailer socket type	13-pin

Speeds and Transmission ratios

At rated engine speed (2600/min Euro 1 and Euro2) Axle ratio $i = 6,38$ (Standard) and 13R22,5 tyres

U 2400/ U 2450		Basic gears		Intermediate gears		Crawler gers	
Gears	Transmission						
	ratio	9,35	13,01	9,35 x 5,76	13,1 x 5,76	9,35 x 55,87	13,01 x 55,87
	Code	G04	Standard	G04,G20	G20	G04,G21	G21
	Vehicle speeds in km/h						
	G04	Standard					
1	9,35	13,01	9,0	6,4	1,6	1,1	0,16
2	6,73	9,02	12,4	9,3	2,2	1,6	0,22
3	4,93	5,96	17,0	14,1	3,0	2,4	0,30
4	3,62	4,38	23,1	19,2	4,0	3,3	0,41
5	2,58	2,97	32,5	28,2	5,6	4,9	0,58
6	1,86	2,06	45,0	40,7	7,8	7,1	0,81
7	1,36	1,36	61,5	61,5	10,7	10,7	1,10
8	1,00	1,00	84,0 ¹⁾	84,0 ¹⁾	14,6	14,6	1,50

¹⁾At governed speed 89 km/h



Transmission

Fully synchronised MB 8-speed manual gear box with integrated transfer box and drive for both axles. The first 4 gears are reversible.



PTO shafts / Special drives

Pneumatically operated, power-shift PTO shaft drive for front and rear PTO shaft (N20/N22).

Shift stage	rpm	540/1000
max. speed	rpm	675/1187
Direction of rotation		clockwise
at rated engine speed	rpm	2600
Fast PTO shaft (N06)	rpm	3490
Direction of rotation		anti-clockwise



Power take offs

Speed at rated engine speed	i=	rpm=
Fast PTO (N16)	1	2600
Rotation		anti-clockwise
Very fast PTO (N17)	0,71	3660
Rotation		clockwise
VV fast PTO (N19)	0,61	3260
Rotation		clockwise



Hydraulic system

Max. working pressure	bar	200+15
Oil reservoir capacity	litres	44
Circuit capacity	litres	40
Flows:		
Single circuit system	l/min	55
Variable Twin circuit system		
Circuit one	l/min	45
Circuit two	l/min	18
up to four double acting spool valves available in circuit one		
Max. number of quick release couplings		
Circuit one	front / rear	8
Circuit two	front / rear/ middle	1
Separate return line:		
Circuit one	front / rear	1
Double acting front power lift	N	18000
Double acting rear power lift	N	55000



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



Steering

Hydraulic power-assisted steering LS 6 E



Brakes

Hydraulic over air twin circuit disk brakes. Asbestos free pads, wear indicator as standard. Parking brake is pneumatically operated. (rear axle) Optional ABS brakes (B02) Pneumatic engine brake is actuated by foot



Trailer couplings

Front towing jaw is integral
Optional trailer coupling (example)

Ringfeder 605 (option Q04)		
Max. vertical load	kg	1500
D - value	kN	73,5



Weights

Standard version		
GVW	kg	10600
Max. FA load	kg	5300
Max. RA load	kg	6500
Optional special version:		
GVW	kg	14000
Max. FA load	kg	7000
Max. RA load	kg	8500



Cab

Version	Tilting steel cab, three point mounted. Optional high roof version available (F06) as well as crew cab (F07)
Doors	Two doors
Windscreen	Laminated glass
Windows	Side windows open manually
Driver's seat	Standard seat is adjustable for height and reach, back rest tilts. Hydraulically (S05) or air suspended (S02) seat is available as option.
Co-driver's seat	Same as driver's seat, optional dual seat available (RHD with option restrictions) (S11/S12)
Interior	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.
Heating and ventilation system	To ensure optimum heating for the cab an independent pump is included as standard in the heating system thus making the heat output independent from the engine revs. 3-speed fan, vents for windscreen and side windows, air intake filtered. Air conditioning available as option.
Bonnet	Easily removed for maintenance and repair work. For inspection tasks it can be raised.



Instruments

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. Full beam, All wheel drive, diff locks, optional beacons, PTO



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)



Platform

U2400:	2320 x 2140 x 450 mm (P21) tiltable with tipping cylinder(H43)
U2450:	2550 x 2200 x 500 mm (P26) 3000 x 2200 x 500 mm (P39) tiltable with tipping cylinder(H43)

Please note that we reserve the rights to alter the specification without prior notice. The dimensions and values are given in good faith and no information in this leaflet constitutes an offer.