

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 gear	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

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Power take offs

Code N72 ratio	i	0.85
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

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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

Brakes

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

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

Weights

Standard version:		
GVW	kg	5500
Max. FA load	kg	2800
Max. RA load	kg	3800

Optional special version:		
GVW	kg	6200
Max. FA load	kg	2800
Max. RA load	kg	4000

Cab

Version	Tilting steel cab, three point mounted. Optional high roof version available (F06)
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 suspended seat is available as option (S05).
Co-driver's seat	Same as driver's seat, optional dual seat available for LHD version (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.
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 in multifunctional display. Full beam, All wheel drive, diff locks, optional beacons, PTO, brake pad wear indicator, clock, digital speed.

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)

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.