



TGL 12 Tonne 4x2 Rigid

Chassis Specification: TGL 12.180 4x2 BB
 TGL 12.220 4x2 BB
 TGL 12.250 4x2 BB



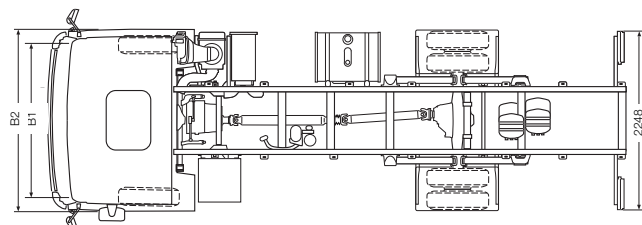
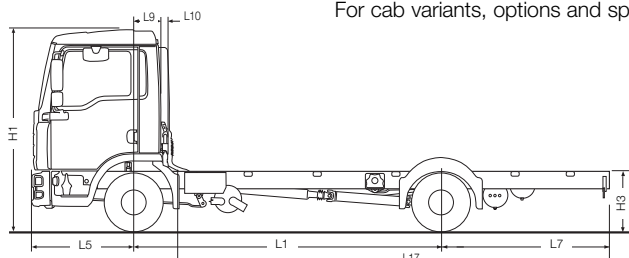
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Chassis Specification

Base Cab Model

TGL C Cab

For cab variants, options and specifications see separate TGL cab specification sheet



Vehicle Dimensions (mm)

		3600	3900	4200	4500	4850	5200
L1	Wheelbase	3600	3900	4200	4500	4850	5200
L5	Front overhang	1293 ⁽¹⁾	1293 ⁽¹⁾	1293 ⁽¹⁾	1293 ⁽¹⁾	1293 ⁽¹⁾	1293 ⁽¹⁾
L7	Rear overhang	1925	2125	2325	2475	2675	2875
L9	Centre line front axle to back of cab	500	500	500	500	500	500
L10	Back of cab to foremost body/equip. position	80	80	80	80	80	80
L17	Min. recommended body length	4290	4730	5165	5610	6115	6630
	ft.ins.	14'0"	15'6"	16'11"	18'4"	20'0"	21'8"
	Max. recommended body length	5180	5660	6140	6620	7180	7740
	ft.ins.	17'0"	18'6"	20'1"	21'8"	23'6"	25'4"
B1	Width across rear tyres	2285	2285	2285	2285	2285	2285
B2	Cab width over doors	2240	2240	2240	2240	2240	2240
H1	Cab height	- laden	2561	2561	2561	2561	2561
	- unladen	2642	2642	2642	2642	2642	2642
H3	Frame height at centre rear wheels	- laden	775	775	775	775	775
	- unladen	912	912	912	912	912	912

Recommended body length only applicable to bodies with UDL without auxiliary equipment and vehicle to base specification.

Please refer to current Product Marketing Bulletin for recommended body lengths with sleeper cabs.

⁽¹⁾ Front overhang is 1275mm with Sleeper Cab.

Option of 5550mm wheelbase is available with rear air suspension only.

Turning Circle

WTW	Wall to Wall	14000	14900	15800	16700	17800	18800
KTK	Kerb to Kerb	12300	13200	14100	15000	16100	17100

Unladen Weights (kg +/- 2.5%)

Front axle	2641	2630	2625	2620	2610	2605
Rear axle	1140	1175	1205	1225	1260	1280
Total	3780	3805	3830	3845	3870	3885

N.B. Unladen weights are for vehicle in standard specification with full tank of fuel and without driver.

Plated/Operating Weights (kg)

	Design	UK Legal
GTW Gross Train Weight	18700 ⁽¹⁾ /24000 ⁽²⁾	18700 ⁽¹⁾ /24000 ⁽²⁾
GVW Gross Vehicle Weight	12000	12000
Front axle	4700	4700
Rear axle	8700	8700

N.B. Tyre changes can effect legal weights. ⁽¹⁾ Maximum value, subject to specification.

⁽²⁾ Maximum value, subject to specification - 250 PS engine.

Optional Equipment & Weights (kg)

	Front	Rear	Total		Front	Rear	Total
220 PS Engine In Lieu Of 180 PS Engine	+20	0	+20	Air Conditioning	+25	0	+25
250 PS Engine In Lieu Of 180 PS Engine	+200	0	+200	L Sleeper Cab	+170	0	+170
Exhaust Valve Brake (EVB)	+7	0	+7	LX Sleeper Cab	+235	0	+235
ECAS Rear Axle Air Suspension	+5	+75	+80	Adjustable Cab Roof Spoiler	+37	0	+37
140 Ah Batteries	+15	+5	+20	Speedline Alloy Wheels 6.75x17.5	-16	-32	-48
200 Litre Steel Fuel Tank	+3	+4	+7	Aluminium Air Reservoirs	+1	-9	-8
				EEV Engine	+4	0	+4

All weights indicated above are subject to +/- 2.5% manufacturer's tolerance.

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Chassis Specification

Engine Model		D0834 LFL64 180 PS	D0834 LFL65 220 PS	D0836 LFL63 250 PS
4 Cylinder in-line, 4.6 litre - 180 & 220 PS 6 Cylinder in-line, 6.9 litre - 250 PS	Maximum Power Peak Torque	180PS @ 2400 rpm 700 Nm @ 1400 rpm	220PS @ 2400 rpm 850 Nm @ 1300-1800 rpm	250PS @ 2300 rpm 1000 Nm @ 1200-1750 rpm
Features	Graph Legend			
<ul style="list-style-type: none"> Exhaust Gas Recirculation (EGR) Common Rail EDC Cruise Control Exhaust brake Road speed limiter set to 85 kph On-board diagnostics with NO_x control Optional EEV engines 	Power Torque			

Performance							@12000 kg
Engine Power	Gearbox	Axle Ratio	Geared Road Speed (mph)	Engine RPM @55 mph	Engine RPM @50 mph	Starting Grade	Tyre Size
180PS	6AS800 OD	3.70:1	77.3	1708	1553	33%+	265/70R17.5
220PS	6AS800 OD	3.70:1	77.3	1708	1553	33%+	265/70R17.5
250PS	12AS1210 OD	3.36:1	81.9	1611	1465	33%+	265/70R17.5

Clutch

Single plate 395mm diameter, asbestos free lining

Gearbox

MAN Tipmatic automated gearbox

6AS800 OD		12AS1210 OD			
1	6.58	1	10.33	2	8.40
2	3.60	3	6.49	4	5.27
3	2.13	5	4.18	6	3.40
4	1.39	7	2.47	8	2.01
5	1.00	9	1.55	10	1.26
6	0.78	11	1.00	12	0.81
R	6.06	R1	10.59	R2	8.60

Manual Gearbox Options

180&220 PS - 6S800 OD
250 PS - 9S1310 OD*
*Alternative axle ratio required.

Frame

Construction Bolted and Riveted
Material High tensile steel
Section 220 x 70 x 6mm
Frame Width 862mm

Fuel Tank

Capacity 150 Litre
Section Rectangular Steel
RHS mounted with locking cap

Axles

Steer VOK-05 drop beam
Drive HY-0925 single reduction drive axle

Suspension

Steer Axle Parabolic Springs with Shock Absorbers and Stabiliser
Drive Axle Parabolic Springs with Shock Absorbers and Stabiliser

Wheels & Tyres

Wheels Steel 6.75x17.5
Tyres Steer 265/70R 17.5 steer tread
Drive 265/70R 17.5 traction tread

Electrical System

Type MANTronic CAN bus system with central on board computer and vehicle management computer
Voltage 24v
Alternator 80 Amp
Batteries 2 x 12v 88Ah/140Ah*
*On Sleeper cabs.

Braking System

Type Electronic Brake System (EBS) with Anti-lock Braking System (ABS)
Features Disc brakes, air dryer, asbestos free linings and brake assistant
Parking Brake Spring brakes on rear axle

Steering Gear

Type ZF8095 Servocom hydraulically assisted.

Exhaust System

Ground discharge silencer, incorporating diesel oxidation catalyst (DOC).

General Equipment

Electronic immobiliser.
Fuel filter with water separator.
Central locking.
Pre wired for cargo space lighting.
Body mounting brackets.
Audible reverse warning with night silent.
Front under-run protection.

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Cab Options



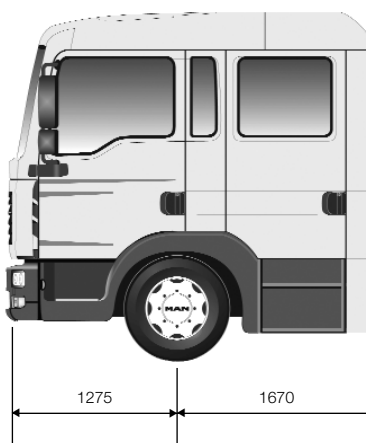
'C' Day Cab - Standard
 Additional weight: 0 kg
 L9 Dimension: See inside
 L5 Dimension: See inside



'L' Sleeper
 Additional Weight: 170 kg
 L9 Dimension: 1015 mm
 L5 Dimension: 1275 mm



'LX' Sleeper
 Additional Weight: 235 kg
 L9 Dimension: 1015 mm
 L5 Dimension: 1275 mm



'DK' Crew
 Additional Weight: 395 kg
 L9 Dimension: 1670 mm
 L5 Dimension: 1276 mm

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