



TGL 12 Tonne 4x2 Rigid

Chassis Specification: TGL 12.180 4x2 BB
 TGL 12.210 4x2 BB
 TGL 12.240 4x2 BB



MAN EGR: Add Nothing!

TGL 12.180 12 Tonne 4x2 BB Rigid

TGL 12.210 12 Tonne 4x2 BB Rigid

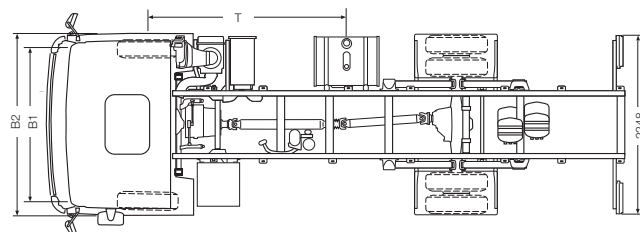
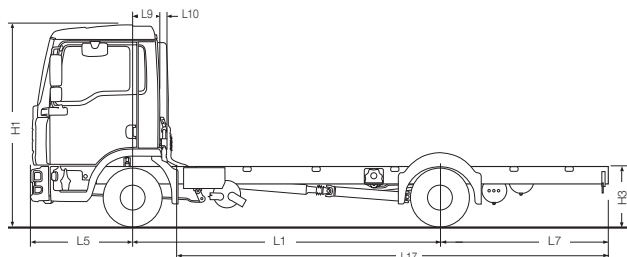
TGL 12.240 12 Tonne 4x2 BB Rigid

Chassis Specification

Base Cab Model

TGL C Cab

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



Vehicle Dimensions (mm)

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	mm	4200	4750	5200	5650	6150	6700
	ft.ins.	13'9"	15'6"	17'0"	18'6"	20'2"	22'0"
	mm	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	2561
	- unladen	2642	2642	2642	2642	2642	2642
H3 Frame height at centre rear wheels	- laden	775	775	775	775	775	775
	- unladen	912	912	912	912	912	912
T Centre of front axle to centre of fuel tank		2190	2500	2800	3000	3450	3800

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.

5550mm wheelbase 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	2575	2570	2565	2560	2555	2550
Rear axle	1075	1105	1135	1155	1185	1205
Total	3650	3675	3700	3715	3740	3755

N.B. Unladen weights are for vehicle in standard specification with 25 litres 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 - 240 PS engine.

Optional Equipment & Weights ((kg))

	Front	Rear	Total		Front	Rear	Total
210 PS Engine In Lieu Of 180 PS Engine	+5	0	+5	Air Conditioning (Standard On LX Cab)	+25	0	+25
240 PS Engine In Lieu Of 180 PS Engine	+280	0	+280	L Sleeper Cab	+268	0	+268
Exhaust Valve Brake (EVB)	+7	0	+7	LX Sleeper Cab	+353	0	+353
ECAS Rear Axle Air Suspension	+5	+75	+80	Adjustable Cab Roof Spoiler	+40	0	+40
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

Issue D. TGL BB12R210 - 09/07

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

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Chassis Specification

Engine Model		D0834 LFL54 180 PS	D0834 LFL55 206 PS	Z0836 LFL53 240 PS
4 Cylinder in-line, 4.6 litre - 180 & 206 PS	Maximum Power Peak Torque	180PS @ 2400 rpm 700 Nm @ 1400 rpm	206PS @ 2400 rpm 830 Nm @ 1400 rpm	240PS @ 2400 rpm 925 Nm @ 1200-1500 rpm
6 Cylinder in-line, 6.9 litre - 240 PS				
Features	Graph Legend Power Torque			
<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 				

Performance @12000 kg							
Engine Power	Gearbox	Axle Ratio	Gear Road Speed (mph)	Gear Road Speed @55 mph	Engine RPM @53 mph	Starting Grade	Tyre Size
180PS	ZF 6AS850 OD	3.70:1	76.4	1730	1665	24.6%	265/70R17.5
206PS	ZF 6AS850 OD	3.70:1 3.36:1	76.4 84.1	1730 1570	1665 1510	30.8% 26.4%	265/70R17.5 265/70R17.5
240PS	ZF 12AS1210 OD	3.36:1	82.0	1610	1550	33%+	265/70R17.5

Clutch

Single plate 362mm diameter, asbestos free lining
240PS - 385mm diameter

Gearbox

MAN Tipmatic automated gearbox

6AS850 OD		12AS1210 OD	
1	6.72	1	10.33
2	3.68	2	6.49
3	2.15	3	4.18
4	1.41	4	2.47
5	1.00	5	1.55
6	0.79	6	1.00
R	6.03	7	0.81
		8	0.81
		9	1.26
		10	0.81
		11	1.00
		12	0.81
		R1	10.59
		R2	8.60

Manual Gearbox Options

180&206 PS - ZF 6S850 OD
240 PS - Eaton FS 8309 DD*
*Alternative axle ratio required.

Frame

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

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. For Euro 4 incorporating MAN PM-KAT® Technology

General Equipment

Electronic immobiliser.
Heated fuel filter.
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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