



TGM 15 Tonne 4x2 Rigid

Chassis Specification: TGM 15.240 4x2 BL
TGM 15.280 4x2 BL



MAN EGR: Add Nothing!

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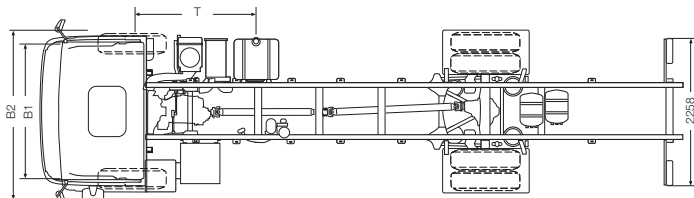
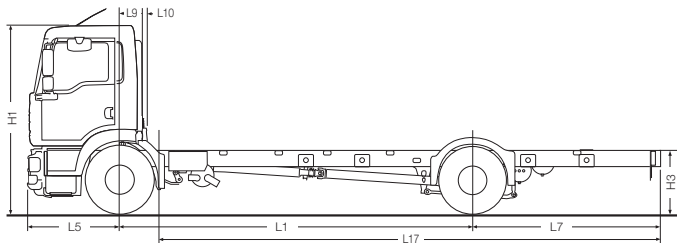
TGM 15.280 15 Tonne 4x2 BL Rigid

Chassis Specification

Base Cab Model

TGM C Cab

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



Vehicle Dimensions (mm)

		4125	4425	4775	5125	5475
L1	Wheelbase					
L5	Front overhang	1350	1350	1350	1350	1350
L7	Rear overhang	2325	2475	2675	2875	3075
L9	Centre line front axle to back of cab	446	446	446	446	446
L10	Back of cab to foremost body/equip. position	79	79	79	79	79
L17	Min. recommended body length	mm	5350	5805	6340	6880
		ft.ins.	17'7"	19'1"	20'10"	22'7"
	Max. recommended body length	mm	5840	6330	6910	7490
		ft.ins.	19'2"	20'9"	22'8"	24'7"
B1	Width across rear tyres	2417	2417	2417	2417	2417
B2	Cab width over doors	2240	2240	2240	2240	2240
H1	Cab height	- laden	2721	2721	2721	2721
		- unladen	2799	2799	2799	2799
H3	Frame height at centre rear wheels	- laden	823	823	823	823
		- unladen	853	853	853	853
T	Centre of front axle to centre of fuel tank	2000	2000	2000	2000	2000

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

Turning Circle

WTW	Wall to Wall	15900	16200	17900	19000	20000
KTK	Kerb to Kerb	14300	14700	16300	17400	18500

Unladen Weights (kg +/- 2.5%)

Front axle	3180	3170	3165	3160	3150
Rear axle	1475	1500	1530	1550	1585
Total	4655	4670	4695	4710	4735

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	33000 ⁽¹⁾	33000 ⁽¹⁾
GVW Gross Vehicle Weight	15000	15000
Front axle	5600	5600
Rear axle	10000	10000

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

Optional Equipment & Weights (kg)

	Front	Rear	Total		Front	Rear	Total
280 PS Engine In Lieu Of 240 PS Engine	+40	0	+40	LX Sleeper Cab	+310	0	+310
Exhaust Valve Brake (EVB)	+7	0	+7	Adjustable Cab Roof Spoiler	+40	0	+40
Air Conditioning (Standard On LX Cab)	+40	0	+40	9 Speed FS8309 Manual Transmission	-30	-7	-37
L Sleeper Cab	+250	0	+250	305/70R 19.5 Tyres	+14	+28	+42

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

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Chassis Specification



Engine Model

6 Cylinder in-line, 6.9 litre

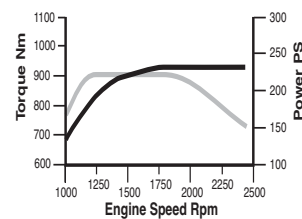
Features

- Exhaust Gas Recirculation (EGR)
- Common Rail EDC
- Cruise Control
- Exhaust brake
- Road speed limiter set not to exceed 85 kph
- On-board diagnostics with No_x Control

Maximum Power Peak Torque

D0836 LFL53 240 PS

240PS @ 2400 rpm
925 Nm @ 1200-1800 rpm



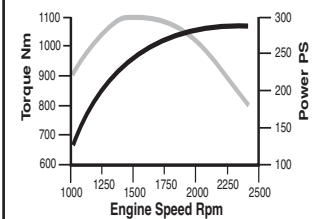
Graph Legend

Power

Torque

D0836 LFL54 280 PS

280PS @ 2400 rpm
1100 Nm @ 1200-1750 rpm



Performance

@15000 kg

Engine Power	Gearbox	Axle Ratio	Gear Road Speed (mph)	Engine RPM @55 mph	Engine RPM @53 mph	Starting Grade	Tyre Size
240PS	12AS1210 OD	3.70:1	81.5	1620	1560	33%+	285/70R19.5
280PS	12AS1210 OD	3.70:1	81.5	1620	1560	33%+	285/70R19.5

Clutch

Single plate 395mm diameter, asbestos free lining

Axles

Steer VOK-06 drop beam
Drive HY-1130 single reduction drive axle

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

Gearbox

MAN Tipmatic 12 speed automated gearbox

Ratios

1	10.33	2	8.40	3	6.49
4	5.27	5	4.18	6	3.40
7	2.47	8	2.01	9	1.55
10	1.26	11	1.00	12	0.81
R1	10.59	R2	8.60		

Suspension

Steer Axle Parabolic Springs with Shock Absorbers and Stabiliser

Drive Axle 4 Bellow Air Suspension with Shock Absorbers and Stabiliser

Steering Gear

Type ZF8095 Servocom hydraulically assisted.

Manual Gearbox Option

Eaton 9 Speed range change*

*Alternative axle ratio required.

Wheels & Tyres

Wheels Steel 8.25x19.5

Tyres Steer 285/70R 19.5 steer tread

Drive 285/70R 19.5 traction tread

Exhaust System

Ground discharge silencer. For Euro 4 incorporating MAN PM-KAT® Technology

Frame

Construction Bolted and Riveted

Material High tensile steel

Section 220 x 70 x 7mm

Frame Width 864mm

Front under run guard

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.

Fuel Tank

Capacity 200 Litre

Section Rectangular Steel

RHS mounted with locking cap

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 140Ah

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