



TGM 18 Tonne 4x2 Rigid

Chassis Specification: TGM 18.240 4x2 BL
 TGM 18.280 4x2 BL
 TGM 18.330 4x2 BL



MAN EGR: Add Nothing!

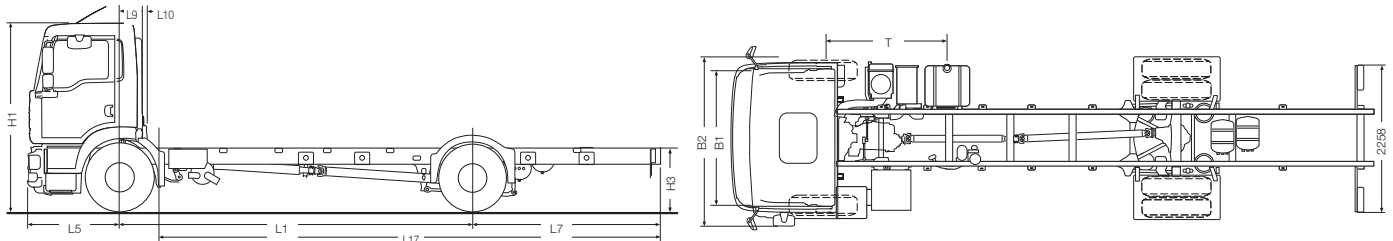
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Chassis Specification

Base Cab Model

TGM C Cab

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



Vehicle Dimensions (mm)

L1	Wheelbase		4425	4725	5075	5425	5775	6175	6575	6975
L5	Front overhang		1400	1400	1400	1400	1400	1400	1400	1400
L7	Rear overhang		2325	2475	2675	2875	3075	3275	2675	2675
L9	Centre line front axle to back of cab		480	480	480	480	480	480	480	480
L10	Back of cab to foremost body/equip. position		40	40	40	40	40	40	40	40
L17	Min. recommended body length	mm	5307	5744	6254	6761	7269	7849	8525	9115
		ft.ins.	17'5"	18'10"	20'6"	22'2"	23'10"	25'9"	28'0"	29'11"
	Max. recommended body length	mm	5730	6197	6741	7284	7827	8446	9155	9788
		ft.ins.	18'10"	20'4"	22'1"	23'11"	25'8"	27'9"	30'0"	32'1"
B1	Width across rear tyres		2422	2422	2422	2422	2422	2422	2422	2422
B2	Cab width over doors		2240	2240	2240	2240	2240	2240	2240	2240
H1	Cab height	- laden	2856	2856	2856	2856	2856	2856	2856	2856
		- unladen	2946	2946	2946	2946	2946	2946	2946	2946
H3	Frame height at centre rear wheels	- laden	960	960	960	960	960	960	960	960
		- unladen	990	990	990	990	990	990	990	990
T	Centre of front axle to centre of fuel tank		1900	1900	1900	1900	1900	1900	1900	1900

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.

Turning Circle

WTW	Wall to Wall	17200	18200	19300	20500	21500	22700	23500	24700
KTK	Kerb to Kerb	15600	16500	17600	18700	19800	21100	21900	23100

Unladen Weights (kg +/- 2.5%)

Front axle	3380	3390	3400	3410	3420	3430	3455	3465
Rear axle	1705	1720	1735	1760	1785	1795	1765	1770
Total	5085	5110	5135	5170	5205	5225	5220	5235

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	18000	18000
Front axle	7100/7500 ⁽²⁾	7100/7500 ⁽²⁾
Rear axle	11500	11500

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

⁽²⁾ Only with Data Conversion File, Suspension and suitable Tyres.

Optional Equipment & Weights (kg)

	Front	Rear	Total		Front	Rear	Total
280PS Engine In Lieu Of 240PS Engine	+40	0	+40	Adjustable Cab Roof Spoiler	+40	0	+40
326PS in lieu of 240PS engine	+45	0	+45	FS8309 DD Transmission	-37	0	-37
Exhaust Valve Brake (EVB)	+7	0	+7	Document Box (Day Cab Only)	+5	0	+5
Air Conditioning (Standard On LX Cab)	+25	0	+25	MAN Alloy Wheels 8.25x22.5	-33	-66	-99
Rear Axle Parabolic Leaf Suspension	0	-60	-60	MAN Alloy Wheels 9.00x22.5	-31	-62	-93
L Sleeper Cab	+200	0	+200				
LX Sleeper Cab	+285	0	+285				

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

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Chassis Specification

Engine Model	D0836 LFL53 240 PS	D0836 LFL54 280 PS	D0836 LFL55 326 PS
6 Cylinder in-line, 6.9 litre	240PS @ 2400 rpm	280PS @ 2400 rpm	326PS @ 2300 rpm
Features	925 Nm @ 1200-1750 rpm	1100 Nm @ 1200-1750 rpm	1250 Nm @ 1200-1750 rpm
<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 	<p>Maximum Power</p> <p>Peak Torque</p> <p>Graph Legend</p> <p>Power</p> <p>Torque</p>		

Performance @18000 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	4.11:1	85.6	1540	1485	33%+	295/80R22.5
280PS	12AS1210 OD	4.11:1	85.6	1540	1485	33%+	295/80R22.5
326PS	12AS1210 OD	4.11:1	85.6	1540	1485	33%+	295/80R22.5

Clutch

Single plate 395mm diameter, asbestos free lining

Axles

Steer VOK-08 drop beam
 Drive HY-1133 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 ZF8098 Servocom hydraulically assisted.

Manual Gearbox Option

Eaton FS8309 DD*

*Alternative axle ratio required.

Wheels & Tyres

Wheels Steel 8.25x22.5

Tyres Steel 295/80R 22.5 steer tread

Drive 295/80R 22.5 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 270 x 70 x 7mm

Frame Width 864mm

Front under run guard

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

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 300 Litre

Section Rectangular Steel

RHS mounted with locking cap

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