



## **TGM 18 Tonne 4x2 Tipper**

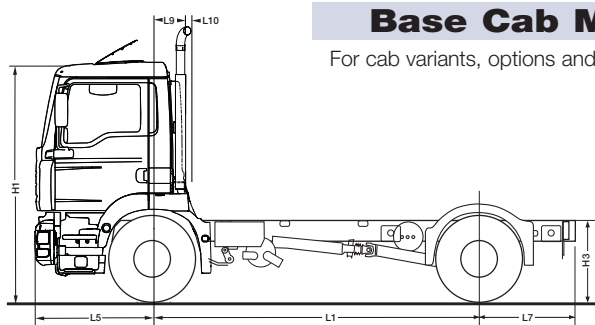
Chassis Specification: TGM 18.240 4x2 BB  
TGM 18.280 4x2 BB



**MAN EGR: Add Nothing!**

# TGM 18.240 18 Tonne 4x2 BB Tipper TGM 18.280 18 Tonne 4x2 BB Tipper

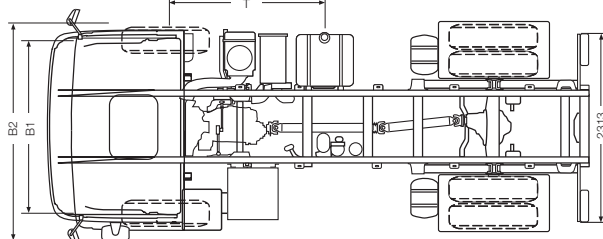
## Chassis Specification



### Base Cab Model

### TGM C Cab

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



## Vehicle Dimensions (mm)

Dimension	Base Cab Model	TGM C Cab
<b>L1 Wheelbase</b>	<b>3575</b>	<b>3875</b>
L5 Front overhang	1400	1400
L7 Rear overhang	1125	1125
L9 Centre line front axle to back of cab (including exhaust pipe)	480	480
L10 Back of cab to foremost body/equip. position	40	40
B1 Width across rear tyres	2422	2422
B2 Cab width over doors	2240	2240
H1 Cab height		
- laden	2856	2856
- unladen	2946	2946
H3 Frame height at centre rear wheels		
- laden	968	968
- unladen	1190	1190
T Centre of front axle to centre of fuel tank	1900	1900

## Turning Circle

WTW Wall to Wall	14600	15500
KTK Kerb to Kerb	12900	13900

## Unladen Weights (kg +/- 2.5%)

Front axle	3475	3500
Rear axle	1465	1505
Total	4940	5005

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 <sup>(1)</sup>	33000 <sup>(1)</sup>
GVW Gross Vehicle Weight	18000	18000
Front axle	7100/7500 <sup>(2)</sup>	7100/7500 <sup>(2)</sup>
Rear axle	11500	11500

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

<sup>(2)</sup> 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	Document Box	+5	0	+5
Exhaust Valve Brake (EVB)	+7	0	+7	Steel Front Bumper	+26	-6	+20
140 Ah Batteries	+15	+5	+20	MAN Alloy Wheels 8.25x22.5	-33	-66	-99
Air Conditioning	+25	0	+25				

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
6 Cylinder in-line, 6.9 litre		
<b>Features</b>		
<ul style="list-style-type: none"> <li>Exhaust Gas Recirculation (EGR)</li> <li>Common Rail EDC</li> <li>Cruise Control</li> <li>Exhaust brake</li> <li>Road speed limiter set to 85 kph</li> <li>On-board diagnostics with NO<sub>x</sub> control</li> </ul>		
<b>Maximum Power</b>	240PS @ 2400 rpm	280PS @ 2400 rpm
<b>Peak Torque</b>	925 Nm @ 1200-1750 rpm	1100 Nm @ 1200-1750 rpm
<b>Graph Legend</b>		
Power		
Torque		

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	FS8309 DD	3.70:1	77.0	1715	1650	33%+	295/80R22.5
280PS	FS8309 DD	3.70:1	77.0	1715	1650	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 with differential lock

**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**  
EATON 8309 9 speed synchromesh gearbox  
Ratios  
L 12.57  
1 8.76                      2 6.52  
3 4.74                      4 3.53  
5 2.48                      6 1.85  
7 1.34                      8 1.00  
R 13.14

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

**Steering Gear**  
Type ZF8098 Servocom hydraulically assisted.

**Frame**  
Construction Bolted and Riveted  
Material High tensile steel  
Section 270 x 70 x7mm  
Frame Width 864mm  
Front under run guard

**Wheels & Tyres**  
Wheels Steel 8.25x22.5  
Tyres Steer 295/80R 22.5 steer tread  
Drive 295/80R 22.5 traction tread

**Exhaust System**  
Vertical discharge pipe. For Euro 4 silencer incorporates MAN PM-KAT® Technology

**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 88Ah

**General Equipment**  
Electronic immobiliser.  
Fuel filter with water separator.  
Manual door locking.  
2266 PTO without flange.  
Audible reverse warning with night silent.

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