



TGM 18 Tonne 4x2 Rigid

Chassis Specification: TGM 18.250 4x2 BL
 TGM 18.290 4x2 BL
 TGM 18.340 4x2 BL



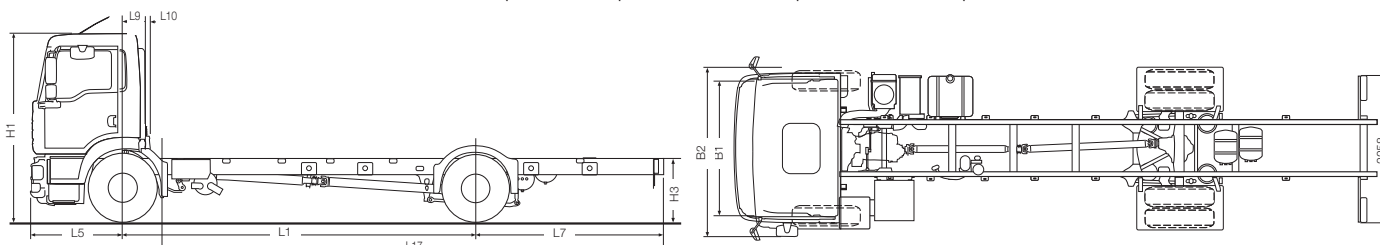
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Chassis Specification

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	50	50	50	50	50	50	50	50
L17	Min. recommended body length	mm	5371	5810	6330	6840	7350	7945	8560
		ft.ins.	17'7"	19'0"	20'9"	22'5"	24'1"	26'0"	28'0"
	Max. recommended body length	mm	5790	6265	6815	7360	7910	8540	9195
		ft.ins.	19'0"	20'6"	22'4"	24'1"	25'11"	28'0"	30'1"
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
		- unladen	2946	2946	2946	2946	2946	2946	2946
H3	Frame height at centre rear wheels	- laden	960	960	960	960	960	960	960
		- unladen	990	990	990	990	990	990	990

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.

6575mm and 6975mm wheelbases are not available with rear steel suspension.

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	3555	3575	3590	3605	3620	3635	3665	3680
Rear axle	1805	1815	1820	1840	1860	1860	1830	1830
Total	5360	5390	5410	5445	5480	5500	5495	5510

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	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
290PS Engine In Lieu Of 250PS Engine	+10	0	+10	Adjustable Cab Roof Spoiler	+37	0	+37
340PS in lieu of 250PS engine	+15	0	+15	9 Speed 9S1310 OD Manual Transmission	-10	0	-10
Exhaust Valve Brake (EVB)	+7	0	+7	Document Box (Day Cab Only)	+5	0	+5
Air Conditioning	+25	0	+25	MAN Alloy Wheels 8.25x22.5	-30	-60	-90
Rear Axle Parabolic Leaf Suspension	0	-60	-60	MAN Alloy Wheels 9.00x22.5	-36	-72	-108
L Sleeper Cab	+170	0	+170	EEV Engine	+4	0	+4
LX Sleeper Cab	+235	0	+235				

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

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Chassis Specification

Engine Model		D0836 LFL63 250 PS	D0836 LFL64 290 PS	D0836 LFL65 340 PS
6 Cylinder in-line, 6.9 litre (Euro 5)	Maximum Power	250PS @ 2300 rpm	290PS @ 2300 rpm	340PS @ 2300 rpm
Features	Peak Torque	1000 Nm @ 1200-1750 rpm	1150 Nm @ 1200-1750 rpm	1250 Nm @ 1200-1800 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 Optional EEV engine 	Graph Legend			
	Power			
	Torque			

Performance							@18000 kg
Engine Power	Gearbox	Axle Ratio	Geared Road Speed (mph)	Engine RPM @55 mph	Engine RPM @50 mph	Starting Grade	Tyre Size
250PS	12AS1210 OD	4.11:1	82.0	1542	1402	33%+	295/80R22.5
		4.63:1	72.8	1737	1597	33%+	295/80R22.5
290PS	12AS1210 OD	4.11:1	82.0	1542	1402	33%+	295/80R22.5
		4.63:1	72.8	1737	1597	33%+	295/80R22.5
340PS	12AS1210 OD	4.11:1	82.0	1542	1402	33%+	295/80R22.5
		4.63:1	72.8	1737	1597	33%+	295/80R22.5

Clutch

Single plate 395mm diameter, asbestos free lining

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		

Manual Gearbox Option

9S1310 OD*

*Alternative axle ratio required.

Frame

Construction	Bolted and Riveted
Material	High tensile steel
Section	270 x 70 x 7mm
Frame Width	864mm
Front under run guard	

Fuel Tank

Capacity	300 Litre
Section	Rectangular Steel
	RHS mounted with locking cap

Axles

Steer	VOK-08 drop beam
Drive	HY-1133 single reduction drive axle

Suspension

Steer Axle	Parabolic Springs with Shock Absorbers and Stabiliser
Drive Axle	4 Bellow Air Suspension with Shock Absorbers and Stabiliser

Wheels & Tyres

Wheels	Steel	8.25x22.5
Tyres	Steer	295/80R 22.5 steer tread
	Drive	295/80R 22.5 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 140Ah

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	ZF8098 Servocom hydraulically assisted.
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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.

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Cab Options



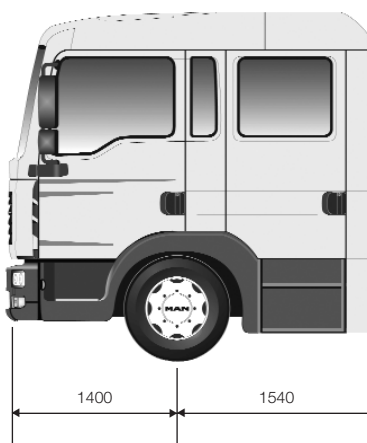
'C' Day Cab - Standard
Additional weight: 0 kg



'L' Sleeper
Additional Weight: 170 kg



'LX' Sleeper
Additional Weight: 235 kg



'DK' Crew
Additional Weight: 395 kg

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