

TGM 18 TONNE 4X4 RIGID

Chassis Specification:

TGM 18.250 4x4 BB CH

TGM 18.290 4x4 BB CH

TGM 18.320 4x4 BB CH



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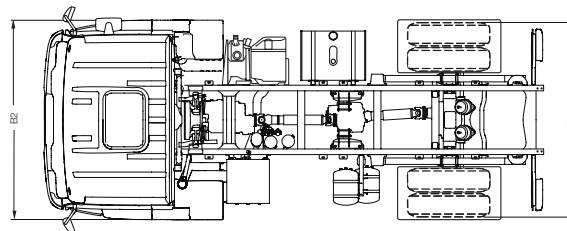
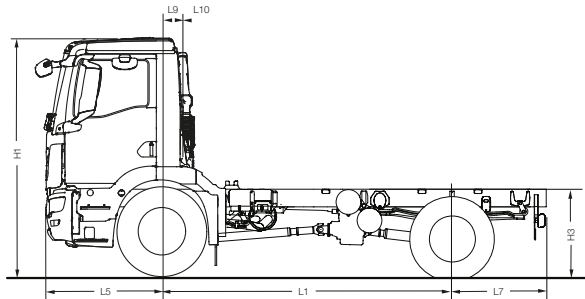
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Base Cab Model TGM 'CC' Cab

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



Vehicle Dimensions (mm)

L1	Wheelbase		3600	3900	4200	4500
L5	Front overhang		1450	1450	1450	1450
L7	Rear overhang		1775	1925	2125	2325
L9	Centre line front axle to back of cab		340	340	340	340
L10	Back of cab to start of body/equipment		50	50	50	50
L17	Min. recommended body length	mm	4584	5033	5474	5927
		ft.ins.	15'0"	16'6"	18'0"	19'5"
	Max. recommended body length	mm	4944	5425	5897	6382
		ft.ins.	16'3"	17'10"	19'4"	20'11"
B1	Width across rear tyres		2443	2443	2443	2443
B2	Cab width over wings		2488	2488	2488	2488
H1	Cab height	- laden	3053	3053	3053	3053
		- unladen	3133	3133	3133	3133
H3	Frame height at centre rear wheels	- laden	1118	1118	1118	1118
		- unladen	1245	1245	1245	1245

Recommended body length only applicable to bodies with UDL, without auxiliary equipment and vehicle to base specification.
6700 mm wheelbase available with 250 PS engine only.

Turning Circle (m)

WTW	Wall to Wall	15.7	16.6	17.5	18.2
KTK	Kerb to Kerb	14.3	15.2	16.1	16.5

Unladen Weights (kg +/- 2.5%)

Front axle	4042	4051	4055	4073
Rear axle	1965	1983	2024	2046
Total	6007	6034	6079	6119

Unladen weights are for vehicle in standard specification with full tanks of fuel and AdBlue® and include driver.

Plated/Operating Weights (kg)

		Design	UK Legal
GTW	Gross Train Weight ⁽¹⁾	33000	33000
GVW	Gross Vehicle Weight	18000	18000
Front axle ⁽²⁾		7100	7100
Rear axle		11500	11500

Tyre changes can affect legal weights. (1) Maximum value subject to specification. (2) 7500 kg upgrade optional.

Optional Equipment & Weights

Air Conditioning	+30	TN Cab	+235
9.00 x 22.5 Alloy Wheels	-82	DN Cab	+550
12 Speed Tipmatic® transmission	+16	175 Ah Batteries	+35
NH/4c PTO	+6	395/85R20 Single tyres all round	+120
Roof mounted revolving beacons	+10		

All weights indicated above subject to +/- 2.5% manufacturer's tolerance. Changes to standard equipment will alter kerb weights.

Engine Model - Euro 6	D0836LFLBK	D0836LFLBJ	D0836LFLBI	Features
Engine Power (PS)	250	290	320	▪ Selective Catalytic Reduction
Rated Speed (rpm)	2200	2200	2200	▪ Cruise Control
Torque (Nm)	1050	1150	1250	▪ Exhaust brake
Torque Range (rpm)	1200 - 1600	1200 - 1700	1200 - 1700	▪ Road Speed Limiter (89 km/h)
Cylinders	6	6	6	▪ OBD-E
Capacity (cc)	6871	6871	6871	▪ Suitable for EN15940

Performance at 18000 kg

Engine Power	Gearbox	Axle Ratio	Geared Road Speed (mph)	Engine RPM @55 mph	Engine RPM @50 mph	Starting Grade	Tyre Size
250PS	09.13 OD	5.33:1	66	1835	1649	33%+	295/80R22.5
290PS	09.13 OD	5.33:1	66	1835	1649	33%+	295/80R22.5
320PS	09.13 OD	5.33:1	66	1835	1649	33%+	295/80R22.5

Clutch

Single plate 395mm diameter, asbestos free lining

Axles

Steer	Straight beam planetary
Drive	Straight beam planetary

Braking System

Type	Electronic Brake System (EBS) with Anti-lock Braking System (ABS)
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Features	Drum brakes, air dryer, asbestos free linings
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Parking Brake	Spring brakes on rear axle
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Gearbox

9 Speed Manual

Ratios

1	9.48
2	6.58
3	4.68
4	3.48
5	2.62
6	1.89
7	1.35
8	1.00
9	0.75
R2	8.97

Suspension

Steer Axle	Two leaf parabolic springs with shock absorbers and stabiliser
Drive Axle	Four leaf parabolic springs with shock absorbers and stabiliser

Exhaust System

Ground discharge silencer, incorporating Diesel Particulate Filter (DPF)

Frame

Construction	Bolted and riveted
Material	S500MC
Section	220 x 70 x 8 mm
Frame width	864 mm

Fuel Tank

Capacity	150 Litres
Section	Rectangular steel
	RHS mounted
	Locking cap

Rims & Tyres

Rims	Steer Steel 9.00 x 22.5 Drive Steel 8.25 x 22.5
Tyres	Steer 295/80R22.5 Drive 295/80R22.5

Electrical System

Type	CAN Bus system with central on-board computer
Voltage	24V
Alternator	110 AMP
Batteries	2 x 12v 150Ah

Steering

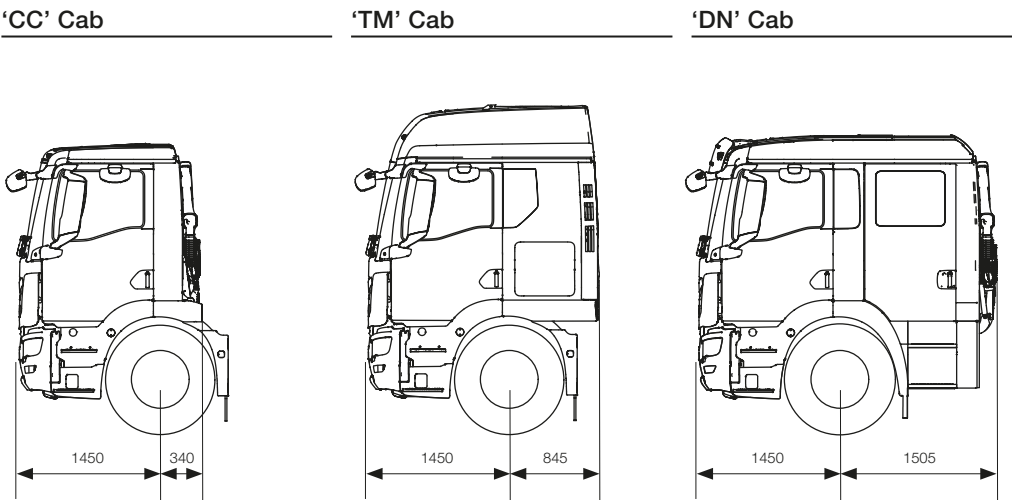
Type	Hydraulically assisted
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General Equipment

35 Litre AdBlue® tank
Electronic immobiliser
Fuel filter with water separator
Mechanical battery master switch
Body mounting brackets
Audible reverse warning with night silent
Manual locking doors
Manual mirrors
Lane Guard System (LGS)
Emergency Brake Assist (EBA)
Electronic Stability Programme (ESP)
Steel front bumper
Differential lock
Rear under run
N3G Certification

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Cab Options



Sleeper Cab Body Lengths - TGM 18 Tonne 4x2 Rigid

TN Sleeper

L1	Wheelbase		3600	3900	4200	4500
L17	Min. recommended body length	mm	3661	4119	4570	5032
		ft.ins.	12'0"	13'6"	15'0"	16'6"
	Max. recommended body length	mm	4029	4518	5001	5496
		ft.ins.	13'3"	14'10"	16'5"	18'0"

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

MAN Truck & Bus UK Ltd.,
Frankland Road, Blagrove,
Swindon. Wiltshire SN5 8YU
www.mantruckandbus.co.uk

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