



EURO4



TGA 4x2 Drawbar

Chassis Specification:

TGA 18.320 4x2 BL
TGA 18.360 4x2 BL
TGA 18.400 4x2 BL
TGA 18.440 4x2 BL



MAN EGR: Add Nothing!

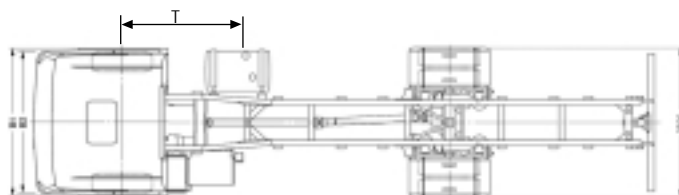
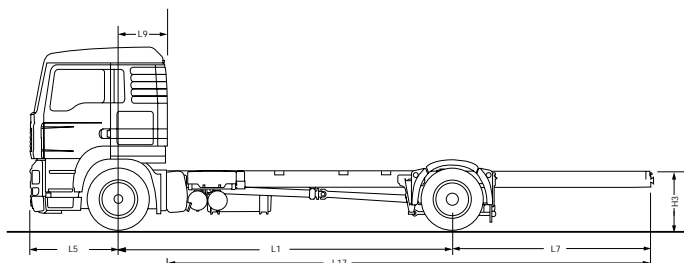
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Chassis Specification

Base Cab Model

TGA 'L' Cab

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



Vehicle Dimensions (mm)

L1	Wheelbase		4800	5100	5500	5900	6300	6700
L5	Front overhang		1475	1475	1475	1475	1475	1475
L7	Rear overhang		2500	2900	3200	3400	3700	3400
L9	Centre line front axle to back of cab		805	805	805	805	805	805
L10			80	80	80	80	80	80
L17	Min. recommended body length	mm	5500	6000	6600	7250	7850	8450
		ft.ins	18'1"	19'9"	21'8"	23'10"	25'9"	27'10"
	Max. recommended body length	mm	6300	6800	7500	8150	8850	9550
		ft.ins	20'8"	22'3"	24'7"	26'8"	29'0"	31'4"
B1	Width across wings		2500	2500	2500	2500	2500	2500
B2	Cab width over doors		2240	2240	2240	2240	2240	2240
H3	Frame height at centre rear wheels							
	- laden		938	938	938	938	938	938
	- unladen		968	968	968	968	968	968
T	Centre of axle to centre of fuel tank		1975	1975	1975	1975	1975	1975

Other wheelbases available: 3,600, 3,900, 4,200, 4,500 - Contact MAN Product Engineering, Swindon for further information
Recommended body length only applicable to bodies with UDL, without auxiliary equipment and vehicle to base specification

Turning Circle

WTW	Wall to Wall	18500	19500	20700	22000	23200	24500
KTK	Kerb to Kerb	16800	17800	19000	20300	21500	22800

Unladen Weights (kg +/- 2.5%)

Front axle	4520	4535	4545	4555	4560	4570
Rear axle	2215	2260	2300	2340	2385	2410
Total	6735	6795	6845	6895	6945	6980

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	44000	40000
GVW Gross Vehicle Weight	19000	18000
Front axle	8000	7500
Rear axle	13000	11500

N.B. Tyre changes can effect legal weights.

Optional Equipment & Weights (kg)

	Front	Rear	Total		Front	Rear	Total
16 Speed manual gearbox	+45	+20	+65	'M' Day cab	-146		-146
ZF PTO NH/4	+5	+2	+7	'LX' Sleeper cab	+94		+94
Alloy Air Tanks	-11	-4	-15	'XL' Sleeper cab	+113		+113
Front Air Suspension	+95		+95	'XLX' Sleeper cab	+134		+134
9.00 x 22.5 Alcoa Alloy Wheels	-38	-76	-114	'XXL' Sleeper cab	+182		+182
Door extensions	+12		+12	Adjustable cab roof spoiler	+40		+40
Air Conditioning	+40		+40	ADR Preparation	+40		+40

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Chassis Specification

Engine Model		D2066LF35 320 PS/D2066LF33 360 PS	D2066LF32 400 PS/D2066LF31 440 PS
6 Cylinder in-line, 10.5 litre Features	Maximum Power	320PS @ 1900 rpm	400PS @ 1900 rpm
	Peak Torque	1600 Nm @ 1000-1400 rpm 360PS @ 1900 rpm 1800 Nm @ 1000-1400 rpm	1900 Nm @ 1000-1400 rpm 440PS @ 1900 rpm 2100 Nm @ 1000-1400 rpm
<ul style="list-style-type: none"> Exhaust Gas Recirculation (EGR) Common Rail EDC Cruise Control Exhaust valve brake Road speed limiter set not to exceed 56mph (90kph) 	Graph Legend		
	Power		
	Torque		

Performance								@40000 kg
Engine Power	Gearbox	Axle Ratio	Gear	Road Speed (mph)	Engine RPM @55 mph	Engine RPM @53 mph	Starting Grade	Tyre Size
440PS/400PS	ZF 12AS2130 DD	3.083:1		71.1	1470	1415	33%+	315/70R22.5
440PS	ZF 12AS2130 DD	2.846:1		77.0	1360	1310	33%+	315/70R22.5
360PS	ZF 12AS2130 DD	3.083:1		71.1	1470	1415	33%+	315/70R22.5
320PS	ZF 12AS2130 DD	3.083:1		71.1	1470	1415	31.9%	315/70R22.5

Clutch

Single plate 430mm diameter, non asbestos

Gearbox

MAN Tipmatic 12 speed automated gearbox

Ratios

Forward

1	15.86	2	12.33	3	9.57
4	7.44	5	5.87	6	4.57
7	3.47	8	2.70	9	2.10
10	1.63	11	1.29	12	1.00

Reverse

14.68

Manual Gearbox Options

ZF 16 speed gearbox, with range change and splitter

Frame

Construction	Bolted and Riveted
Material	High tensile steel
Section	270 x 85 x 8mm 940 - 762 waisted

Fuel Tank

Capacity	400 Litre
Section	Rectangular Steel RHS mounted Locking cap

Axles

Steer Axle	VOK-08 drop beam
Drive Axle	HY-1350 single reduction

Suspension

Steer Axle	Parabolic springs with shock absorbers and stabiliser
Drive Axle	4 Bellow air suspension with shock absorbers and stabiliser

Wheels & Tyres

Steer Axle	Tyres	315/70R 22.5 steer tread
	Wheels	9.00x22.5
Drive Axle	Tyres	315/70R 22.5 traction tread
	Wheels	9.00x22.5

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 175Ah

Braking System

Type	Electronic Brake System (EBS) with Anti-lock Braking System (ABS) and ASR traction control
Features	Vented disc brakes, 2 line trailer brake connections and pad wear indicators
Parking Brake	Spring brakes on rear axle

Steering Gear

Type	ZF 8098 Servocom hydraulically assisted.
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Exhaust System

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

General Equipment

Chassis side guards
3 piece plastic rear wings and spray reduction mats

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