



## **TGS 4x2 Drawbar**

Chassis Specification: TGS 18.320 4x2 BL  
TGS 18.360 4x2 BL  
TGS 18.400 4x2 BL  
TGS 18.440 4x2 BL



**MAN EGR: Add Nothing!**

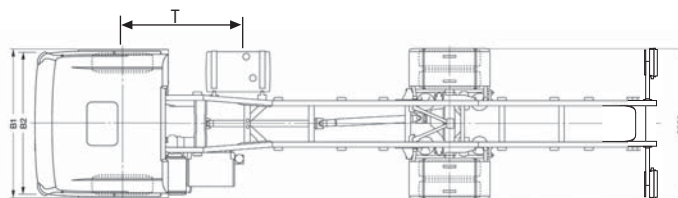
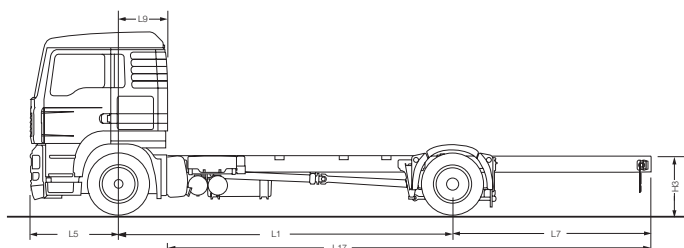
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**Chassis Specification**

**Base Cab Model**

**TGS 'L' Cab**

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



**Vehicle Dimensions (mm)**

		<b>4800</b>	<b>5100</b>	<b>5500</b>	<b>5900</b>	<b>6300</b>	<b>6700</b>
<b>L1</b>	<b>Wheelbase</b>	<b>4800</b>	<b>5100</b>	<b>5500</b>	<b>5900</b>	<b>6300</b>	<b>6700</b>
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	5500	6000	6600	7250	7850	8450
		ft.ins	18'1"	19'9"	21'8"	23'10"	25'9"
	Max. recommended body length	6300	6800	7500	8150	8850	9550
		ft.ins	20'8"	22'3"	24'7"	26'8"	29'0"
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)**

	<b>Design</b>	<b>UK Legal</b>
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)**

	<b>Front</b>	<b>Rear</b>	<b>Total</b>		<b>Front</b>	<b>Rear</b>	<b>Total</b>
16 Speed manual gearbox	+45	+20	+65	Air Conditioning	+40	0	+40
ZF PTO NH/4	+5	+2	+7	'M' Day cab	-146	0	-146
Alloy Air Tanks	-11	-4	-15	'LX' Sleeper cab	+35	0	+35
Front Air Suspension	+95	0	+95	Adjustable cab roof spoiler	+40	0	+40
9.00 x 22.5 Alcoa Alloy Wheels	-38	-76	-114	ADR Preparation	+40	0	+40
Door extensions	+12	0	+12	Components weights are provided as a guide and may vary depending on make and manufacturing tolerances.			
225 Ah Batteries	+30	0	+30				

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**Chassis Specification**

Engine Model	D2066LF39 320 PS/D2066LF38 360 PS	D2066LF37 400 PS/D2066LF36 440 PS
D20, 6 Cylinder in-line, 10.5 litre, Euro 4	320PS @ 1900 rpm 1600 Nm @ 1000-14000 rpm 360PS @ 1900 rpm 1800 Nm @ 1000-1400 rpm	400PS @ 1900 rpm 1900 Nm @ 1000-1400 rpm 440PS @ 1900 rpm 2100 Nm @ 1000-1400 rpm
<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 valve brake</li> <li>Road speed limiter set not to exceed 56mph (90kph)</li> <li>On-board diagnostics with NO<sub>x</sub> control</li> </ul>	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
320PS	ZF 12AS2130 DD	3.08:1	71.1	1470	1415	31.9%	315/70R22.5
360PS	ZF 12AS2130 DD	3.08:1	71.1	1470	1415	33%+	315/70R22.5
400PS/440PS	ZF 12AS2130 DD	2.85:1	77.0	1360	1310	33%+	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.

**Exhaust System**  
 Ground discharge silencer. Incorporating MAN PM-KAT® Technology

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

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