



TGS 4x2 Tractor

Chassis Specification:

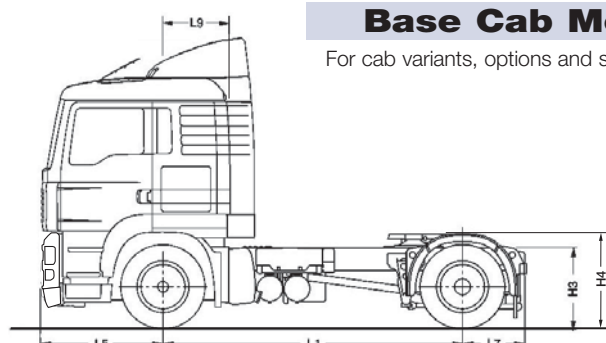
TGS 18.360 4x2 BLS
TGS 18.400 4x2 BLS
TGS 18.440 4x2 BLS
TGS 18.480 4x2 BLS



MAN EGR: Add Nothing!

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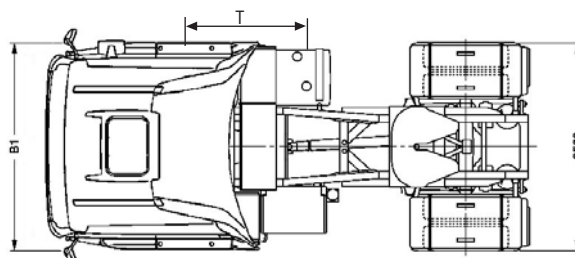
Chassis Specification



Base Cab Model

TGS 'L' Cab

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



Vehicle Dimensions (mm)

	3600	3900
L1 Wheelbase	3600	3900
L5 Front overhang	1475	1475
L7 Rear overhang	800	800
L9 Centre line front axle to back of cab	805	805
B1 Width across wings	2500	2500
H3 Frame height at centre rear wheels - laden	942	942
- unladen	972	972
H4 Standard 5th wheel height - laden	1227	1227
- unladen	1257	1257
T Centre of front axle to centre of fuel tank	1335	1335

Turning Circle

WTW Wall to Wall	14800	15700
KTK Kerb to Kerb	13100	14000
Optimum 5th wheel position for standard specification	585	885

Unladen Weights (kg +/- 2.5%)

Front axle	4640	4630
Rear axle	1805	1830
Total	6445	6460

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
GCW Gross Combination Weight	44000	40000
GVW Gross Vehicle Weight	18000	18000
Front axle	7500	7100
Rear axle	11500	11500

N.B. Tyre changes can effect legal weights.

Optional Equipment & Weights (kg)

	Front	Rear	Total		Front	Rear	Total
D26 Engine in lieu of D20 engine	+25	0	+25	Door extensions	+12	0	+12
Sliding 5th wheel	-10	+59	+49	Air Conditioning	+40	0	+40
16 Speed manual gearbox	+45	+20	+65	'M' Day cab	-216	0	-216
ZF PTO NH/4	+4	+3	+7	'LX' Sleeper cab	+35	0	+35
Alloy Air Tanks	-6	-4	-10	Lead up ramps	-3	+29	+26
Windows in rear cab wall	+8	0	+8	Side skirts based on 3900mm wheelbase	+28	+28	+56
9.00 x 22.5 Alcoa Alloy Wheels	-38	-76	-114	ADR Preparation	+40	0	+40
3 piece steel bumper	+88	-24	+64	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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Engine Model	D2066LF38 360 PS	D2066LF37 400 PS/ D2066LF36 440 PS	D2676LF05 480 PS
D20, 6 Cylinder in-line, 10.5 litre, Euro 4	360PS @ 1900 rpm 1800 Nm @ 1000-1400 rpm	400PS @ 1900 rpm 1900 Nm @ 1000-1400 rpm 440PS @ 1900 rpm 2100 Nm @ 1000-1400 rpm	480PS @ 1900 rpm 2300 Nm @ 1050-1400 rpm
D26, 6 Cylinder in-line, 12.4 litre, Euro 4			
Features			
<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) On-board diagnostics with NO_x control 			

Performance @40000 kg							
Engine Power	Gearbox	Axle Ratio	Gear Road Speed (mph)	Engine RPM @55 mph	Engine RPM @53 mph	Starting Grade	Tyre Size
360PS	ZF 12AS2130 DD	3.08:1	73.2	1430	1375	33%+	295/80R22.5
400PS/440PS	ZF 12AS2130 DD	2.85:1	79.3	1320	1270	33%+	295/80R22.5
480PS	ZF 12AS2330 DD	2.85:1	79.3	1320	1270	33%+	295/80R22.5

Clutch
 Single plate 430mm diameter, non asbestos

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

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

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

Suspension
 Steer Axle Parabolic Springs with Shock Absorbers and Stabiliser
 Drive Axle 4 Bellow air suspension with shock absorbers. 4 point control arm

Steering Gear
 Type ZF 8098 Servocom hydraulically assisted.

Manual Gearbox Options
 ZF 16 speed gearbox, with range change and splitter.

Wheels & Tyres
 Steer Axle Tyres 295/80R 22.5 steer tread
 Wheels 9.00x22.5
 Drive Axle Tyres 295/80R 22.5 traction tread
 Wheels 9.00x22.5

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

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

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

General Equipment
 Adjustable roof blade air management with cab side deflectors (sleeper models only)
 Fixed fifth wheel and base plate
 3 piece plastic rear wings and spray reduction mats
 Catwalk
 Hoses and couplings including ABS lead
 Coupling lamp

Fuel Tank
 Capacity 480 Litre
 Section Rectangular Aluminium with Integral Step
 RHS mounted
 Locking cap

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