



## **TGS 8x4 Rigid/Tipper**

Chassis Specification:    TGS 32.360 8x4 BB  
                                         TGS 32.400 8x4 BB  
                                         TGS 32.440 8x4 BB



**MAN EGR: Add Nothing!**

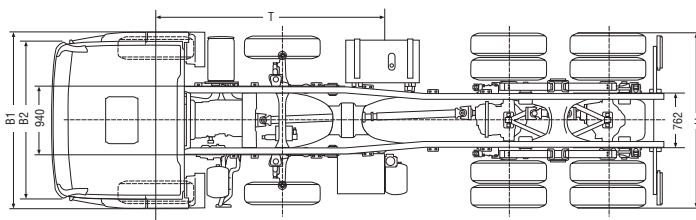
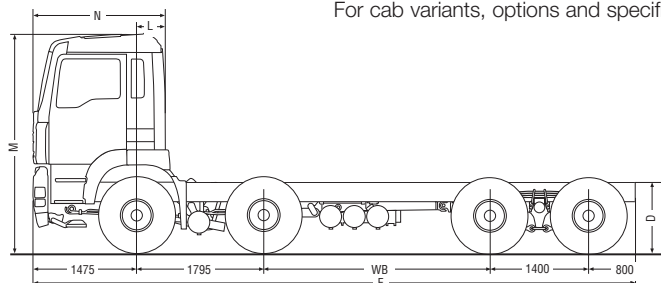
# TGS 32.360 8x4 BB Rigid/Tipper TGS 32.400 8x4 BB Rigid/Tipper TGS 32.440 8x4 BB Rigid/Tipper

## Chassis Specification

### Base Cab Model

### TGS 'M' Cab

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



## Vehicle Dimensions (mm)

Wheelbase		3205	3505
E	Overall length	8675	9025
C	Rear chassis overhang	800	850
D	Ground to top of frame over drive axle	Laden	954
		Unladen	1024
N	Front to back of cab	1880	1880
M	Ground to top of cab	Laden	3052
		Unladen	3118
L	Centre line of front axle to rear of obstructions at back of cab	Day	471
		Night	471
T	Centre line of axle to centre line of fuel tank	3210	3210
B1	Width across wings	2490	2490
B2	Cab width across doors	2240	2240
H	Width across rear tyres	2456	2456
<b>Turning Circle</b>			
WTW	Wall to Wall	22300	23400
KTK	Kerb to Kerb	20600	21700

## Unladen Weights (kg +/- 2.5%)

Front axles	5970	5980
Rear axles	3120	3135
Total	9090	9115

N.B. Unladen weights are for vehicle in standard specification, with 25 litres of fuel and without driver

Weights are subject to a manufacturing tolerance of +/- 2.5%

## Plated/Operating Weights (kg)

	Design	UK Legal
GWW Gross Vehicle Weight	34000	32000
Front axles	15000	14200
Drive axles	21000	19000

N.B. Tyre changes can effect legal weights.

## Optional Equipment & Weights (kg)

	Front	Rear	Total		Front	Rear	Total
9.00 x 22.5 Alcoa alloy wheels	-76	-152	-228	Hub Reduction Axles	0	75	75
L Sleeper cab	146	0	146	(with drum brake). Alternative axle ratios			
LX Sleeper cab	181	0	181	Air conditioning	+40	0	+40
Tipmatic gearbox				Removal of Front Underun Protection			
(alternative axle ratio required)	-55	-10	-65	and change to 12R x 22.5 tyres			
Synthetic Bumper with				(3205 wheelbase only)	-18	+17	-1
Integrated Air Dam	-94	+30	-64	Components weights are provided as a guide and may vary depending on			
225 Ah Batteries	+30	0	+30	make and manufacturing tolerances.			

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## Chassis Specification

Engine Model	D2066LF38 360 PS	D2066LF37 400 PS	D2066LF36 440 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
<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							@32000 kg
Engine Power	Gearbox	Axle Ratio	Gear Road Speed (mph)	Engine RPM @55 mph	Engine RPM @53 mph	Starting Grade	Tyre Size
360/400/440PS	ZF 16S222 DD	3.08:1	73.2	1430	1375	33%+	295/80R22.5

### Clutch

Single plate 430mm diameter, organic face non asbestos

### Gearbox

ZF 16 speed synchromesh Direct Drive with range change and splitter

Ratios

Forward					
1	16.41	2	13.80	3	11.28
4	9.49	5	7.76	6	6.53
7	5.43	8	4.57	9	3.59
10	3.02	11	2.47	12	2.08
13	1.70	14	1.43	15	1.19
16	1.00				

Reverse

L	15.36	H	12.92
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### Frame

Construction	Bolted and Riveted
Material	Pressed steel
Section	270 x 85 x 7mm, 940 -762mm waisted

### Fuel Tank

Capacity	300 Litre
Section	Rectangular Steel
	RHS mounted
	Locking cap

### Axles

Steer	VOK-08 drop beam
Drive	HYD-1370/HY-1350 hypoid axle complete with cross axle and inter axle diff locks

### Suspension

Steer Axle	Parabolic Springs Hydraulic Dampers Stabiliser
Rear Bogie	Inverted two spring Parabolic Springs Hydraulic Dampers Stabiliser on rear axles

### 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

### 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)
Features	Vented Disc Brakes* on all axles and pad wear indicators
Parking Brake	Spring brakes on rear axles
	* Cam brakes on Hub Reduction axles

### Steering Gear

Type	ZF 8098 Servocom hydraulically assisted with auxiliary ram.
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### Exhaust System

Ground discharge silencer. Incorporating MAN PM-KAT® Technology

### General Equipment

Electronic immobiliser.  
NH/1c PTO.  
Heated fuel filter.  
Front underrun protection.

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