



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

Chassis Specification: TGS 32.360 8x4 BB  
EURO 5 TGS 32.400 8x4 BB

# TGS 32.360 8x4 BB Rigid/Tipper

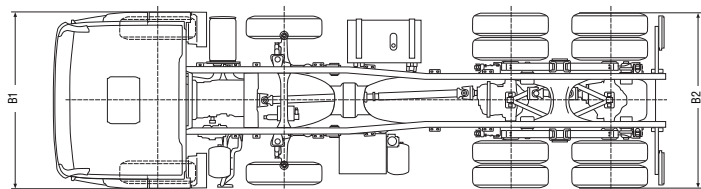
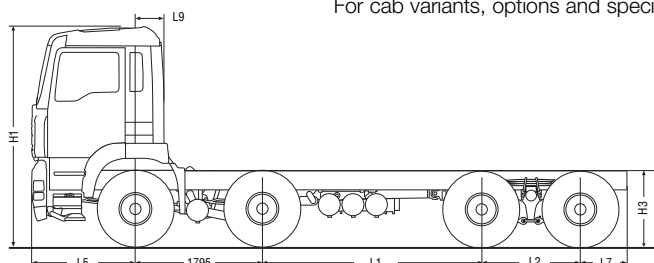
# TGS 32.400 8x4 BB Rigid/Tipper

## Chassis Specification

### Base Cab Model

### TGS 'M' Cab

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



### Vehicle Dimensions (mm)

L1 Wheelbase		3205	3505
L2	Rear bogie spread	1400	1400
L5	Front overhang	1475	1475
L7	Rear chassis overhang	800	800
L9	Centre line front axle to back of cab	471	471
H1	Ground to top of cab	Laden	3057
		Unladen	3121
H3	Ground to top of frame over drive axle	Laden	955
		Unladen	1027
B1	Width across wings	2490	2490
B2	Width across rear tyres	2456	2456

### Turning Circle

WTW	Wall to Wall	22300	23400
KTK	Kerb to Kerb	20600	21700

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

Front axles	6090	6105
Rear axles	3230	3240
Total	9320	9345

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

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

### Plated/Operating Weights (kg)

	Design	UK Legal
GVW 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	Air conditioning	+40	0	+40
Tipmatic gearbox				L Sleeper cab	+155	0	+155
(alternative axle ratio required)	-55	-10	-65	LX Sleeper cab	+175	0	+175
Synthetic Bumper with				Removal of Front Underun Protection			
Integrated Air Dam	-94	+30	-64	and change to 315/80R 22.5 tyres	-18	+17	-1
225 Ah Batteries	+30	0	+30	All weights indicated above are subject to +/- 2.5% manufacturer's tolerance.			
Hub Reduction Axles	0	+75	+75				

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

## Chassis Specification



### Engine Model

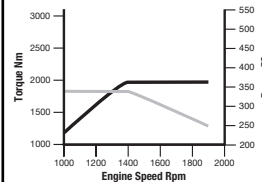
D20, 6 Cylinder in-line, 10.5 litre (Euro 5)

#### Features

- Exhaust Gas Recirculation (EGR)
- Common Rail EDC
- Cruise Control
- Exhaust valve brake
- Road speed limiter set not to exceed 89kph
- On-board diagnostics with NO<sub>x</sub> control

#### D2066 EGR 360PS

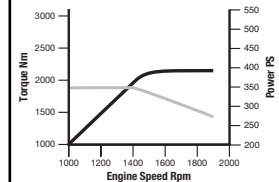
360PS @ 1900 rpm  
1800 Nm @ 1000 - 1400 rpm



Power

#### D2066 EGR 400PS

400PS @ 1900 rpm  
1900 Nm @ 1000 - 1400 rpm



Torque

### Performance

**@32000 kg**

Engine Power	Gearbox	Axle Ratio	Geared Road Speed (mph)	Engine RPM @55 mph	Engine RPM @50 mph	Starting Grade	Tyre Size
360PS	16S222 DD	3.08:1	73	1427	1297	33%+	295/80R22.5
400PS	16S222 DD	3.08:1	73	1427	1297	33%+	295/80R22.5

### Clutch

Single plate 430mm diameter, organic face non asbestos

### Axles

Steer VOK-09 drop beam  
Drive HYD-1370/HY-1350 hypoid axle complete with cross axle and inter axle diff locks

### 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

### Gearbox

16 speed synchromesh Direct Drive with range change and splitter

### Suspension

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

### Steering Gear

Type ZF 8098 Servocom hydraulically assisted with auxiliary ram.

#### 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

### Automated Gearbox Option

MAN 12 speed Tipmatic

### Frame

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

### 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.

### General Equipment

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

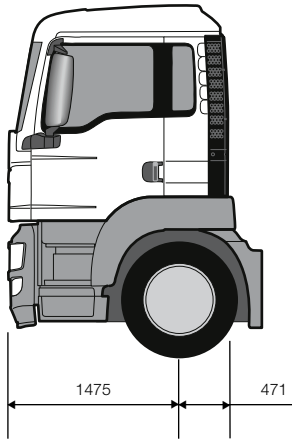
### Fuel Tank

Capacity 300 Litre  
Section Rectangular Steel  
RHS mounted  
Locking cap

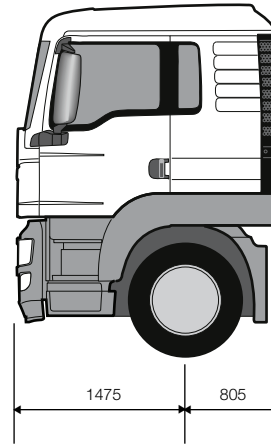
### Electrical System

Type MANTronic CAN bus system with central on board computer and vehicle management computer  
Voltage 24v  
Alternator 80 Amp  
Batteries 2 x 12v 175Ah

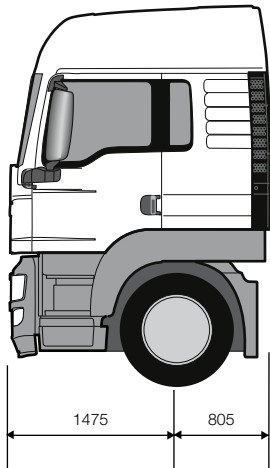
**TGS 32.360 8x4 BB Rigid/Tipper**  
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Cab Options



'M' Day Cab - Standard  
Additional weight: 0 kg



'L' Sleeper  
Additional Weight: 155 kg



'LX' Sleeper  
Additional Weight: 175 kg

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