



# EURO4



## **TGA 8x4 Rigid/Tipper**

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



**MAN EGR: Add Nothing!**

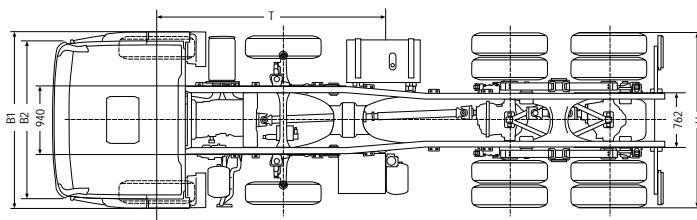
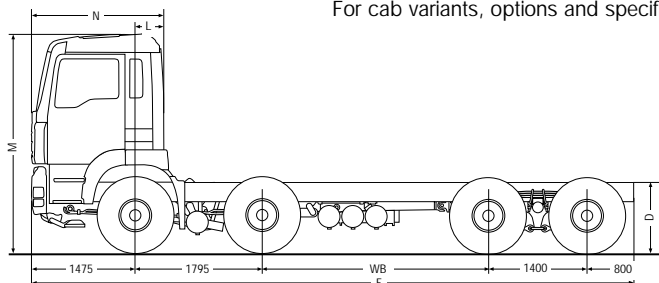
# TGA 32.360 8x4 BB Rigid/Tipper TGA 32.400 8x4 BB Rigid/Tipper TGA 32.440 8x4 BB Rigid/Tipper

## Chassis Specification

### Base Cab Model

### TGA 'M' Cab

For cab variants, options and specifications see separate TGA 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
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	Hub Reduction Axles	0	75	75
L Sleeper cab	146	0	146	(with drum brake). Alternative axle ratios			
LX Sleeper cab	200	0	200	ZF NH/4 PTO	+6	+1	+7
Tipmatic gearbox				Air conditioning	+40		+40
(alternative axle ratio required)	-55	-10	-65	Removal of Front Underun Protection and change to 12R x 22.5 tyres			
Synthetic Bumper with Integrated Air Dam	-94	+30	-64	(3205 wheelbase only)	-18	+17	-1

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

## Chassis Specification



Engine Model		D2066LF33 360 PS	D2066LF32 400 PS	D2066LF31 440 PS
6 Cylinder in-line, 10.5 litre <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> </ul>	<b>Maximum Power</b> 360PS @ 1900 rpm	<b>Maximum Power</b> 400PS @ 1900 rpm	<b>Maximum Power</b> 440PS @ 1900 rpm	
	<b>Peak Torque</b> 1800 Nm @ 1000-1400 rpm	<b>Peak Torque</b> 1900 Nm @ 1000-1400 rpm	<b>Peak Torque</b> 2100 Nm @ 1000-1400 rpm	
<b>Graph Legend</b> Power Torque				

Performance @32000 kg								
Engine Power	Gearbox	Axle Ratio (HYD1370/HY1350)	Gear	Road Speed (mph)	Engine RPM @55 mph	Engine RPM @53 mph	Starting Grade	Tyre Size
360PS	ZF 16S182 OD	3.70:1		72.6	1440	1390	33%+	295/80R22.5
400/440PS	ZF 16S222 OD	3.70:1		72.6	1440	1390	33%+	295/80R22.5

### Clutch

Single plate 430mm diameter, organic face non asbestos

### Gearbox

ZF 16 speed synchromesh Overdrive with range change and splitter

Ratios

Forward			
1	13.80	2	11.54
3	9.49	4	7.93
5	6.53	6	5.46
7	4.57	8	3.82
9	3.02	10	2.53
11	2.08	12	1.74
13	1.43	14	1.20
15	1.00	16	0.84

Reverse

L	12.92	H	10.80
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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 Drive VOK-08 drop beam 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.

### Exhaust System

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

### General Equipment

Electronic immobiliser.  
Electronic preparation for PTO equip't.  
Heated fuel filter.  
Front underrun protection.

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