



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

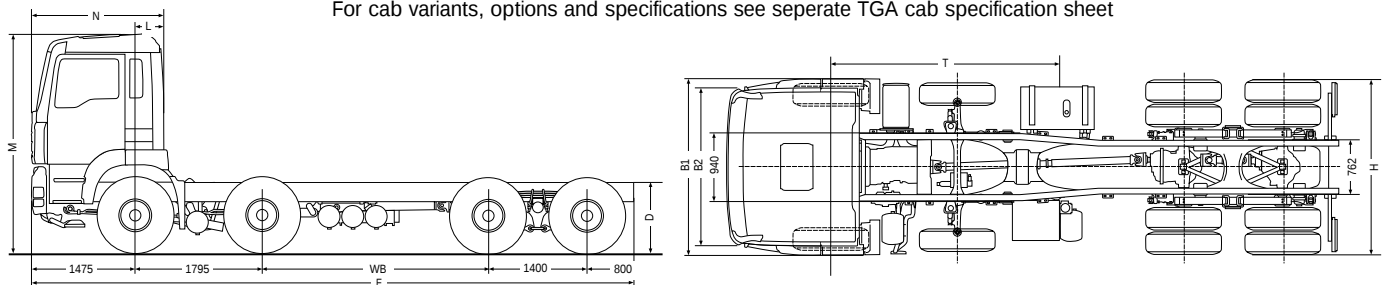
TGA 32.440 8x4 BB Rigid/Tipper

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
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

Turning Circle

WTW	Wall to Wall	22300	23400
KTW	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			
Synthetic Bumper with				and change to 12R x 22.5 tyres			
Integrated Air Dam	-94	+30	-64	(3205 wheelbase only)	-18	+17	-1

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Chassis Specification



Engine Model		D2066LF33 360 PS	D2066LF32 400 PS	D2066LF31 440 PS
6 Cylinder in-line, 10.5 litre Features - Exhaust Gas Recirculation (EGR) - Common Rail EDC - Cruise Control - Exhaust valve brake - Road speed limiter set not to exceed 56mph (90kph)	Maximum Power	360PS @ 1900 rpm	400PS @ 1900 rpm	440PS @ 1900 rpm
	Peak Torque	1800 Nm @ 1000-1400 rpm	1900 Nm @ 1000-1400 rpm	2100 Nm @ 1000-1400 rpm
	Graph Legend 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
4	7.93	5	6.53
7	4.57	8	3.82
10	2.53	11	2.08
13	1.43	14	1.20
16	0.84	15	1.00

Reverse	
L	12.92
H	10.80

Frame	
Construction	Bolted and Riveted
Material	Pressed steel
Section	270 x 85 x 7 mm, 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.

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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