



## **TGS 8x4 Heavy Duty Tipper**

Chassis Specification:    TGS 35.360 8x4 BB  
   TGS 35.400 8x4 BB  
   TGS 35.440 8x4 BB



**MAN EGR: Add Nothing!**

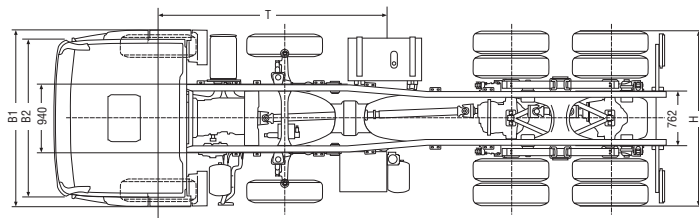
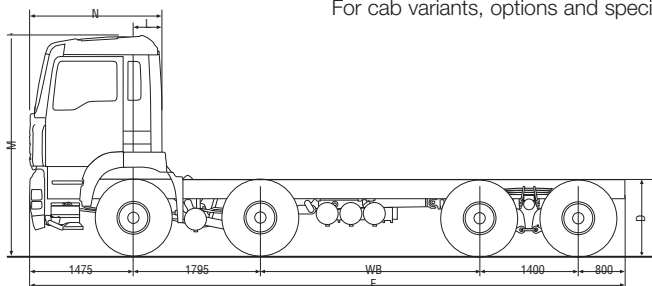
# TGS 35.360 8x4 BB Heavy Duty Tipper TGS 35.400 8x4 BB Heavy Duty Tipper TGS 35.440 8x4 BB Heavy Duty Tipper

## 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
E	Overall length	8675
C	Rear chassis overhang	800
D	Ground to top of frame over drive axle	Laden 1047 Unladen 1130
N	Front to back of cab	1880
M	Ground to top of cab	Laden 3139 Unladen 3203
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
B1	Width across wings	2490
B2	Cab width across doors	2240
H	Width across rear tyres	2456
<b>Turning Circle</b>		
WTW	Wall to Wall	22200
KTK	Kerb to Kerb	20500

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

Front axles	6320
Rear axles	3185
Total	9505

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	16000	14200
Drive axles	26000	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
L Sleeper cab	146	0	146	225 Ah Batteries	+30	0	+30
Tipmatic gearbox (alternative axle ratio required)	-55	-10	-65	Components weights are provided as a guide and may vary depending on make and manufacturing tolerances.			
ZF NH/4 PTO	+6	+1	+7				

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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 OD	4.00:1	65.2	1605	1545	33%+	295/80R22.5	

**Clutch**  
Reinforced single plate 430mm diameter, organic face non asbestos

**Gearbox**  
ZF 16 speed synchromesh Overdrive with range change and splitter

Ratios

Forward	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	13.80	11.54	9.49	7.93	6.53	5.46	4.57	3.82	3.02	2.53	2.08	1.74	1.43	1.20	1.00	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 8mm, 940 -762mm waisted

**Fuel Tank**  
Capacity 300 Litre  
Section Rectangular Steel  
RHS mounted  
Locking cap

**Axles**  
Steer Drive VO-09 straight beam HPD-1353/HP-1333 hub reduction 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 on/off road tread  
Wheels 9.00x22.5  
Drive Axle Tyres 295/80R 22.5 on/off road 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 steer axles, Drum Brakes on drive axles  
Parking Brake Spring brakes on rear axles

**Steering Gear**  
Type ZF 8098 Servocom hydraulically assisted with auxiliary ram.

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

**General Equipment**  
Electronic immobiliser.  
Heated fuel filter.  
NH/1c Power Take Off.  
Automatic rear brake lubrication.

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