



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

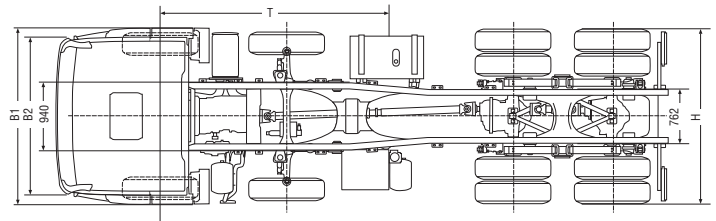
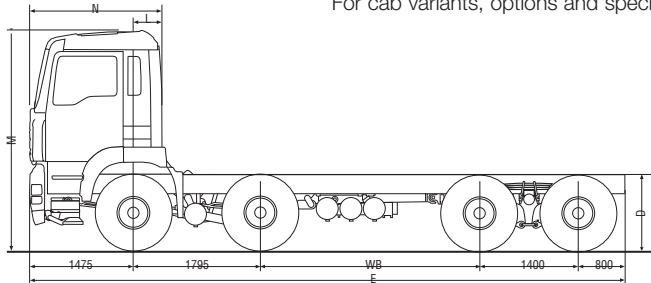
TGS 35.440 8x4 BB Heavy Duty Tipper

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
Turning Circle			
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				

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



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
Features - Exhaust Gas Recirculation (EGR) - Common Rail EDC - Cruise Control - Exhaust valve brake - Road speed limiter set not to exceed 56mph (90kph) - On-board diagnostics with NO_x control			
	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	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

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	VO-09 straight beam
Drive	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.

MAN ERF UK Ltd.,
Frankland Road, Blagrove,
Swindon. Wiltshire SN5 8YU
www.man-mn.co.uk

A member of the MAN Group.

