



TGS 8x4 Rigid/Tipper

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

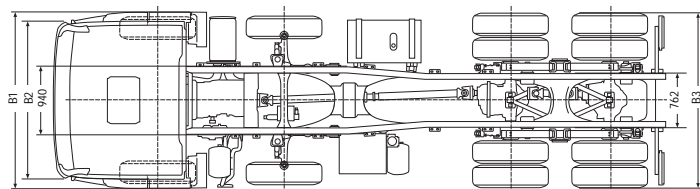
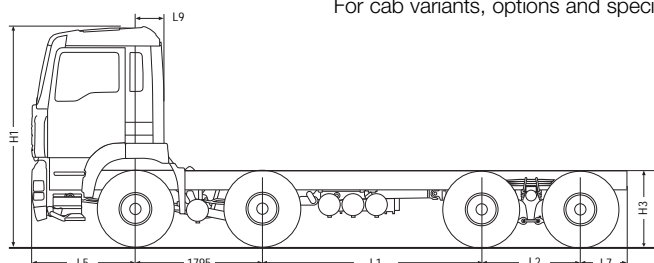
TGS 32.360 8x4 BB Rigid/Tipper TGS 32.400 8x4 BB Rigid/Tipper

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	3052
		Unladen	3118
H3	Ground to top of frame over drive axle	Laden	954
		Unladen	1024
B1	Width across wings	2490	2490
B2	Cab width across doors	2240	2240
B3	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	Hub Reduction Axles	0	+75	+75
L Sleeper cab	+155	0	+155	Air conditioning	+40	0	+40
LX Sleeper cab	+175	0	+175	Removal of Front Underun Protection and change to 12R x 22.5 tyres (3205 wheelbase only)	-18	+17	-1
Tipmatic gearbox				All weights indicated above are subject to +/- 2.5% manufacturer's tolerance.			
(alternative axle ratio required)	-55	-10	-65				
Synthetic Bumper with Integrated Air Dam	-94	+30	-64				
225 Ah Batteries	+30	0	+30				

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Chassis Specification



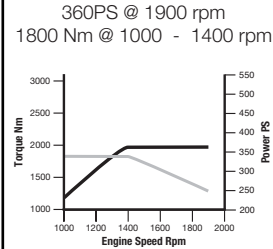
Engine Model

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

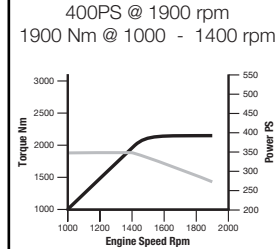
Features

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

D2066 EGR 360PS



D2066 EGR 400PS



Power

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	73.2	1427	1297	33%+	295/80R22.5
400PS	16S222 DD	3.08:1	73.2	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.

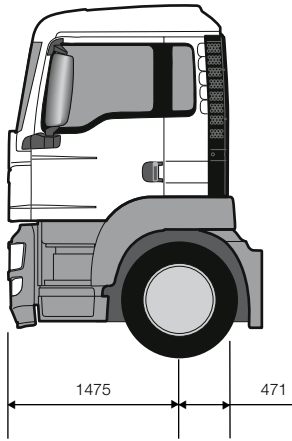
Fuel Tank

Capacity 300 Litre
Section Rectangular Steel
RHS mounted
Locking cap

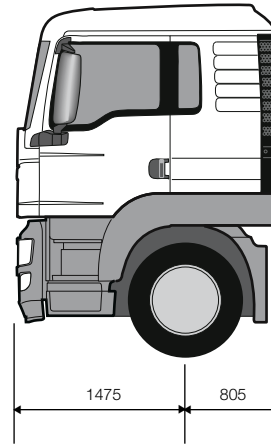
Electrical System

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

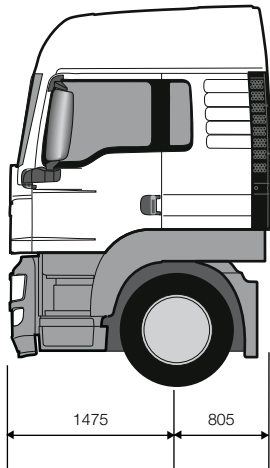
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'M' Day Cab - Standard
Additional weight: 0 kg



'L' Sleeper
Additional Weight: 155 kg



'LX' Sleeper
Additional Weight: 175 kg

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