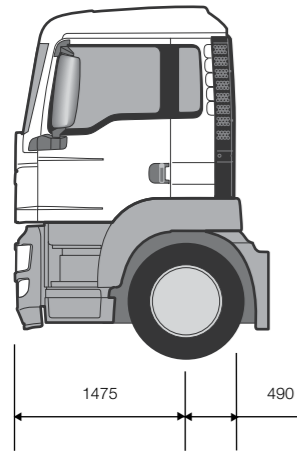


TGS 8x4 Rigid/Tipper

Cab Options

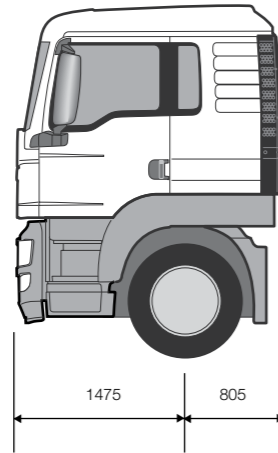
'M' Day Cab - Standard

Additional weight: 0 kg



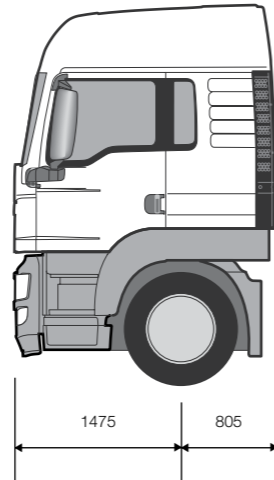
'L' Sleeper

Additional weight: 155 kg



'LX' Sleeper

Additional weight: 175 kg



MAN Truck & Bus UK Ltd.,
Frankland Road, Blagrove,
Swindon, Wiltshire SN5 8YU
www.mantruckandbus.co.uk

Ref: MAN TGS 8x4RIGTIP / 09
Issue Date: October 2019
Technical illustrations are not binding. Picture on front cover may not be standard equipment
We reserve the right to make modifications in line with technical progress.

TGS 8x4 Rigid/Tipper

Chassis Specification: TGS 32.400 8x4 BB
TGS 32.430 8x4 BB
TGS 32.470 8x4 BB

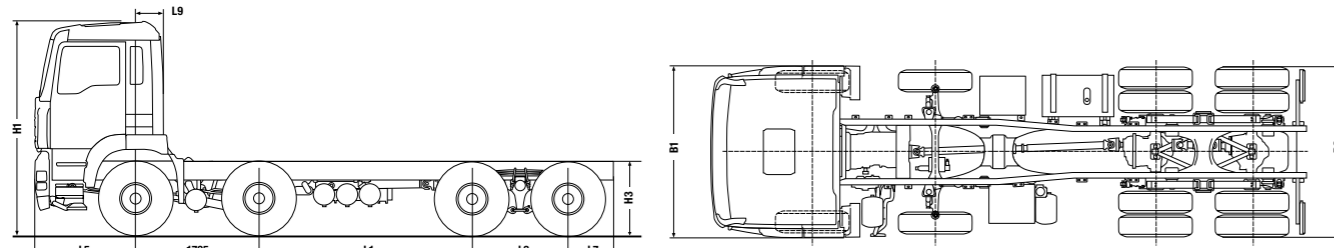


TGS 8x4 Rigid/Tipper



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		490	490
H1	Ground to top of cab	Laden	3050	3050
		Unladen	3135	3135
H3	Ground to top of frame over drive axle	Laden	955	955
		Unladen	1035	1035
B1	Width across wings		2500	2500
B2	Width across rear tyres		2455	2455

Turning Circle

WTW	Wall to Wall	22500	23600
KTK	Kerb to Kerb	20900	22000

Unladen Weights (kg +/- 2.5%)

Front axles	6685	6695
Rear axles	2800	2810
Total	9485	9505

N.B. Unladen weights are for vehicle in standard specification with full tank of fuel and AdBlue®, but 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	14200 ⁽¹⁾	14200 ⁽¹⁾	
Drive axles	21000	19000	

N.B. Tyre changes can effect legal weights. ⁽¹⁾ Alternative Front Axle capacity available: 15000 kg.

Optional Equipment & Weights (kg)

	Front	Rear	Total		Front	Rear	Total
D1556 engine in lieu of D2676 engine	-195	0	-195	Hub Reduction Rear Axles	0	+280	+280
9.00 x 22.5 Alcoa alloy wheels	-76	-152	-228	Air conditioning	+40	0	+40
Manual gearbox	+55	+10	+65	L Sleeper cab	+155	0	+155
Synthetic Bumper with Integrated Air Dam	-105	+30	-75	LX Sleeper cab	+175	0	+175
225 Ah Batteries	+30	0	+30				

All weights indicated above are subject to +/- 2.5% manufacturer's tolerance.

TGS 8x4 Rigid/Tipper

Engine Model - Euro 6

	D1556LF07	D2676LF80	D2676LF79
Engine Power (PS)	400	430	470
Rated Speed (rpm)	1800	1800	1800
Torque (Nm)	1800	2200	2400
Torque Range (rpm)	1000 - 1500	930 - 1350	930 - 1350
Cylinders	6	6	6
Capacity (cc)	9037	12419	12419

Features

- Common Rail EDC
- Cruise Control
- Exhaust valve brake
- Road speed limiter set to 89 kph
- OBD-D

Performance @32000 kg

Engine Power	Gearbox	Axle Ratio	Geared Road Speed (mph)	Engine RPM		Starting Grade	Tyre Size
				@55 mph	@50 mph		
400PS	1228 OD	3.7:1	79	1290	1180	33%+	295/80R22.5
430PS	1228 OD	3.7:1	79	1290	1180	33%+	295/80R22.5
470PS	1228 OD	3.7:1	79	1290	1180	33%+	295/80R22.5

Clutch

Single plate 430mm diameter, asbestos free lining

Axles

Steer VOK-09 drop beam
Drive HYD-1160/HY-1133 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 axle

* Drum brakes on Hub Reduction axles

Gearbox

MAN TipMatic® 12 speed automated gearbox

Ratios

1	12.92	2	9.98
3	7.67	4	5.94
5	4.57	6	3.53
7	2.83	8	2.19
9	1.68	10	1.30
11	1.00	12	0.77
R1	12.03	R2	9.29

Suspension

Steer Axle Parabolic Springs with Shock Absorbers and Stabiliser

Rear Bogie Inverted two spring Parabolic Springs Hydraulic Dampers Stabiliser on rear axles

Steering Gear

Type ZF Servocom hydraulically assisted with auxiliary ram

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, incorporating diesel particulate filter (DPF)

Frame

Construction	Bolted and Riveted
Material	High tensile steel (S500MC)
Section	270 x 85 x 6.8mm
	942 - 762mm waisted

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

General Equipment

35 litre AdBlue® tank

Electronic immobiliser

Mechanical battery master switch

Heated fuel filter

PTO NH/4c

Front underrun protection

Water trap

Fuel Tank

Capacity 300 Litre

Section Rectangular Steel

RHS mounted

Locking cap