

TGS 8X4 MEDIUM HEIGHT TIPPER

Chassis Specification:

TGS 35.400 8x4 BB CH

TGS 35.430 8x4 BB CH

TGS 35.470 8x4 BB CH

TGS 32.510 8x4 BB CH



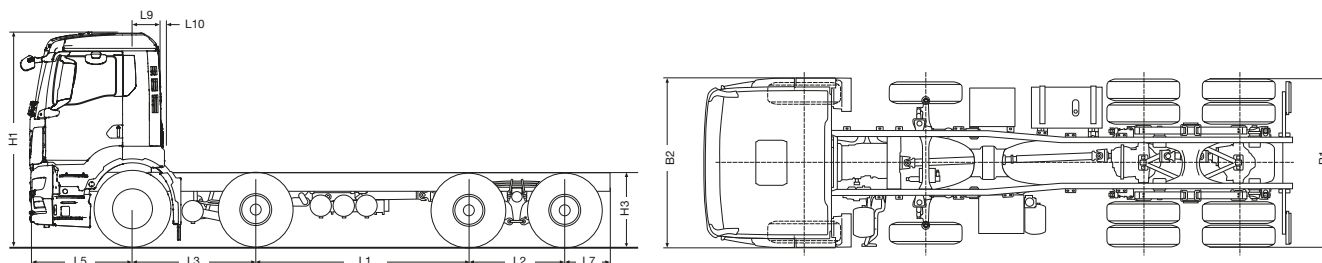
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TGS 35.400 8x4 BB CH TGS 35.470 8x4 BB CH

TGS 35.430 8x4 BB CH TGS 35.510 8x4 BB CH

Base Cab Model TGS 'NN' Cab

For cab variants, options and specifications see separate cab specification sheet.



Vehicle Dimensions (mm)

L1	Wheelbase		3205
L2	Rear bogie spread		1400
L3	Front axle spread		1759
L5	Front overhang		1475
L7	Rear overhang		800
L9	Centre line front axle to back of cab		405
L10	Back of cab to start of body		60
B1	Width across rear tyres		2462
B2	Cab width over wings		2499
H1	Cab height	- laden	3185
		- unladen	3248
H3	Frame height at centre rear wheels	- laden	1043
		- unladen	1123

Turning Circle (m)

WTW	Wall to Wall	22.2
KTK	Kerb to Kerb	20.2

Unladen Weights (kg +/- 2.5%)

Front axle	6496
Rear axle	3201
Total	9697

Unladen weights are for vehicle in standard specification with full tanks of fuel and AdBlue® and include driver.

Plated/Operating Weights (kg)

	Design	UK Legal
GVW Gross Vehicle Weight	35000	32000
Front axles ⁽¹⁾	14200	14200
Rear Bogie	23000	19000

Tyre changes can affect legal weights. (1) 15000 kg front axles upgrade available.

Optional Equipment & Weights

D2676 Engine	+230	Hub reduction rear axles	+410
16 Speed manual transmission	+69	TN Cab	+110
Air Conditioning	+30	Roof mounted revolving beacons	+10
15000 kg capacity front axle	+38	Rear cab window guard	+3
9.00 x 22.5 Alloy Wheels	-156		

All weights indicated above subject to +/- 2.5% manufacturer's tolerance. Changes to standard equipment will alter kerb weights.

Engine Model - Euro 6	D1556LF17	D2676LFAJ	D2676LFAI	D26LFAF	Features
Engine Power (PS)	400	430	470	510	▪ Selective Catalytic Reduction
Rated Speed (rpm)	1800	1800	1800	1800	▪ Cruise Control
Torque (Nm)	1800	2200	2400	2600	▪ Exhaust brake
Torque Range (rpm)	1000 - 1500	930 - 1350	930 - 1350	930 - 1350	▪ Road Speed Limiter (89 km/h)
Cylinders	6	6	6	6	▪ OBD-E
Capacity (cc)	9037	12419	12419	12419	▪ Suitable for EN15940

Performance at 32000 kg

Engine Power	Gearbox	Axle Ratio	Geared Road Speed (mph)	Engine RPM @55 mph	Engine RPM @50 mph	Starting Grade	Tyre Size
400PS	12.26 OD	3.70:1	76	1308	1175	33%+	295/80R22.5
430PS	12.28 OD	3.70:1	76	1308	1175	33%+	295/80R22.5
470PS	12.28 OD	3.70:1	76	1308	1175	33%+	295/80R22.5
510PS	12.28 OD	3.70:1	76	1308	1175	33%+	295/80R22.5

Clutch

Single plate 430mm diameter, asbestos free lining

Axles

Steer Straight beam
Drive Single reduction with cross axle and inter-axle differential locks

Braking System

Type Electronic Brake System (EBS) with Anti-lock Braking System (ABS)
Features Disc brakes, air dryer, asbestos free linings
Parking Brake Spring brakes on rear axle

Gearbox

12 Speed Tipmatic® Automated

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	9.92

Suspension

Steer Axle Three leaf parabolic springs with shock absorbers and stabiliser
Rear Bogie Three leaf parabolic springs with shock absorbers and stabiliser

Steering

Type Hydraulically assisted

Rims & Tyres

Rims Steel 9.00 x 22.5
Tyres Steer 295/80R22.5
Drive 295/80R22.5

Exhaust System

Ground discharge silencer, incorporating Diesle Particulate Filter (DPF)

Electrical System

Type CAN Bus system with central on-board computer
Voltage 24V
Alternator 110 AMP
Batteries 2 x 12v 175Ah

General Equipment

35 Litre AdBlue® tank
Electronic immobiliser
Fuel filter with water separator
Mechanical battery master switch
Audible reverse warning with night silent
Central locking doors
Electronically controlled and heated rear view mirrors
NH/4c Power Take Off (PTO)
Preparation wiring for roof beacons
Rear cab window
Steel front bumper
N3G Certification

Frame

Construction Bolted and riveted
Material S500MC
Section 270 x 85 x 8 mm
Frame width 942 - 762 mm waisted

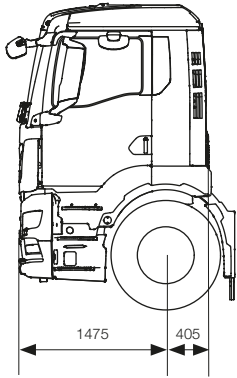
Fuel Tank

Capacity 300 Litres
Section Rectangular steel
LHS mounted
Locking cap

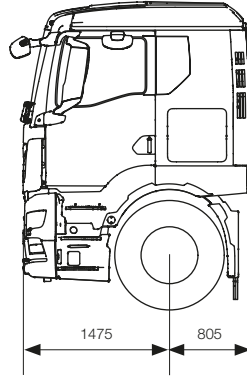
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Cab Options

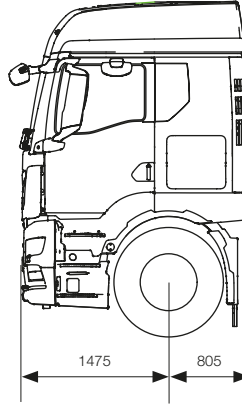
'NN' Cab



'TN' Cab



'TM' Cab



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