



TGS 8x8 Tipper Chassis



Engines

MAN 6-cylinder 4-valve in-line engine, with Common Rail injection, turbo-charging and intercooling, EDC engine regulation, emission standard EURO4, with OBD (on-board diagnosis) and NOX-control, external controlled exhaust gas recirculation (EGR) and PM-KAT. No AdBlue fuel additive necessary. Fitted with MAN Engine Valve Brake (EVB).

Transmission

MAN 12 speed TipMatic (ZF Astronic) gearbox. 12 forward speeds, 2 reverse ratios. Suitable for gross train weights up to 70T (occasionally up to 90T+GTW upon application). Automated constant-mesh gearbox. With MAN TipMatic, shifting and clutching are electro-pneumatic - there is no clutch pedal. Normal mode is automated with manual mode available (shifting via fingertip lever). Driving with engaged PTO only in gears 2, 4 or 6. 'M' setting for precise low-speed manoeuvring in forward & reverse. 'X' setting for off-road use.

Intake / Exhaust System

Raised air intake mounted on the rear L/H side of the cabin with air filter housing mounted under rear of cabin. Exhaust is upswept on the R/H side with PM Kat behind cab.

Wheels and Tyres

Fitted with 315/80 R22.5 tyres on 9.00 x 22.5 10 hole steel disc wheels. Spare wheel supplied loose and mounted temporarily on frame. Basic wheel changing equipment fitted in cabin storage lockers.

Front Axle / Front Suspension

MAN VP/VPD-09 driven front axles. Load sharing 8.0T parabolic springs with stabiliser and shock absorbers. Differential lock in 1st and 2nd axle plus inter-axle lock. Suspension design rating: 2 x 8,000kgs.

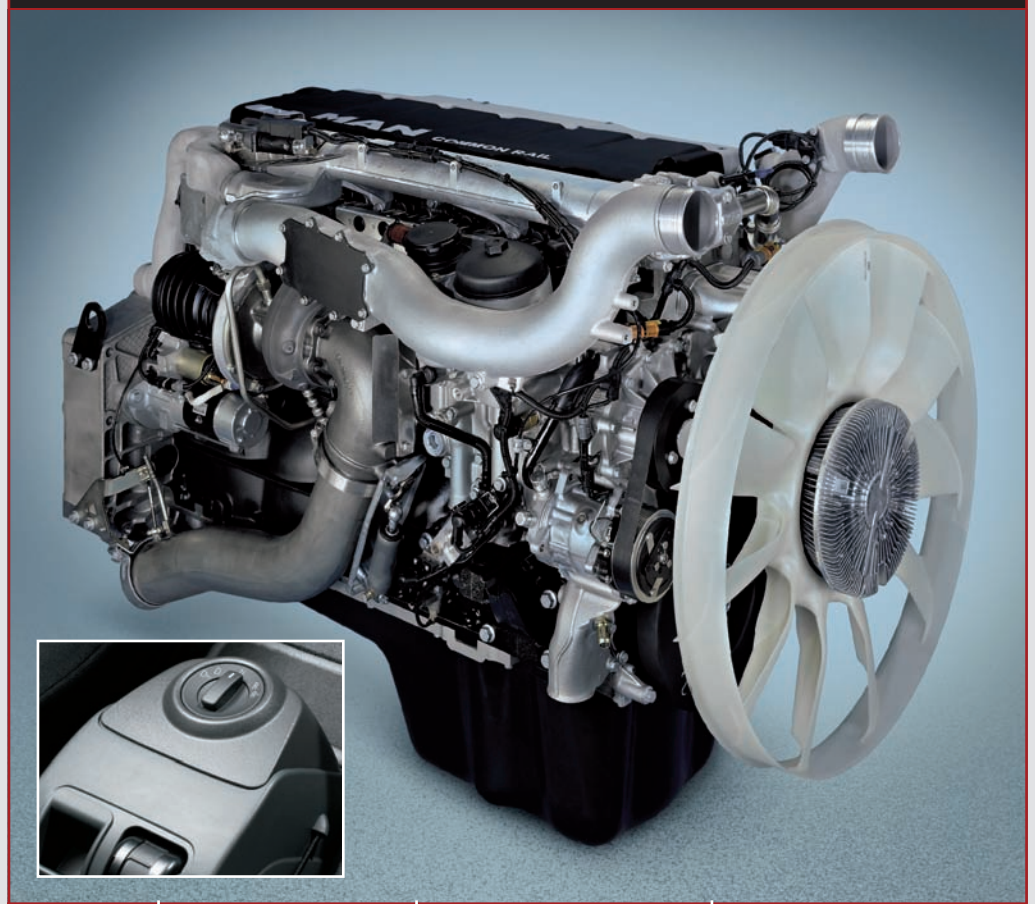
Rear Axle / Rear Suspension

MAN Hub reduction HPD/HP 1382 tandem axle with slide-shackle multi leaf springs, stabilisers and shock absorbers. Fitted with differential locks and interaxle lock. Optional differential ratios available: 3.25, 3.63, 4.33, 4.83. Suspension design rating: 2 x 13,000kgs.

Transfer Case

G252 transfer case with permanent drive to front and rear axles.

Engine	Model	Rating	Torque
480 Hp	MAN D26 12.419 Ltrs	480 hp/353kW @ 1500 - 1900rpm	2300Nm @ 1000 - 1400 rpm



Engine	Model	Transmission Ratios	Std. Differential Ratios
480 Hp	ZF 12 AS 2330 OD	12.33 - 0.78	4.00

Fuel Tanks

400Ltrs aluminium fuel tank fitted with lockable fuel cap.

Frame

High build design ladder frame made from QstE500TM high strength steel. Frame Dimensions 270mm x 85mm x 9.5mm. 3 piece steel bumper fitted.

Brake System

MAN Electronic Brake System (EBS) with ABS standard. Drum brakes fitted to all axles. Full air operated system fitted with air dryer. Anti jack-knife brake.

Clutch

Single plate 430mm diameter clutch - asbestos free.

Speed Limiter

Vehicle electronically limited to 100kmh.

Cab Options

M Cab (day) 2240mm wide, 1880mm long.

Cab Exterior

Cab compliant with ECE R29 safety requirements. All metal parts are Galvanised. 65 degree cab tilt angle, 87 degree door opening. Exterior sunvisor. Entry lighting for driver and passenger. Central locking for both doors. Electrically adjustable and heated mirrors including kerb mirrors. Lockable front access panel. Electrically operated cab tilting mechanism. Mechanical roof hatch. Coil sprung cab mounts front and rear. Chrome trim to front grille. Stone guard grille in front of radiator.



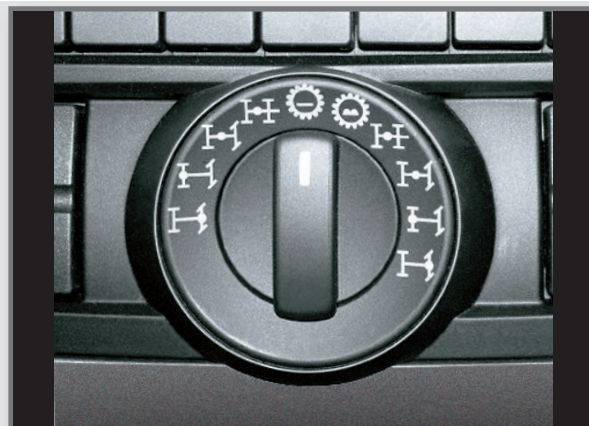
Cab Interior

High comfort drivers seat with air suspension, integrated seat belt and arm rests. Factory fitted climate control system, radio/CD player with MAN 6 peaker sound system, electrically operated power windows, interior sunblinds to windscreen and both doors. Central storage box between seats. Large storage drawer in dash console, modular cup holder. Silver dashboard trim strip, glasses compartment in dashboard. Reading lamps for driver and co-driver. 2 windows in rear cab wall.



Instrument Panel

Full electronic Base Line dash display with easy access to vehicle information systems. Permanent gauges: tachometer, speedometer, odometer, air pressure gauges, water temperature, fuel gauge, indicator operation, gear selection. Sample electronic display: time, outside temperature, turbo boost, trip meter, brake wear, oil level, fuel consumption, battery voltage, etc. Warning lights for all major functions such as: diff lock status, low air pressure, low fuel, lights, cab lock, air suspension, etc.



Steering

Fully adjustable steering wheel with pneumatic lock. Multifunction steering wheel interfaces with CD/radio, cruise control and electronic dash display functions.

Electrical System

24V Electrical system with manual battery isolation switch. 80 Amp alternator, 2 x 155Ah batteries. KSM module fitted for communication of required body/chassis function.

Lights

Headlights fitted with longlife H7 type globes. Lighting system operation check. Protective grille for headlights.

Paintwork

Cab finished in Traffic White (RAL9016). Chassis finished in Graphite Black (RAL 9011). Steel bumper and lower plastics finished in grey.



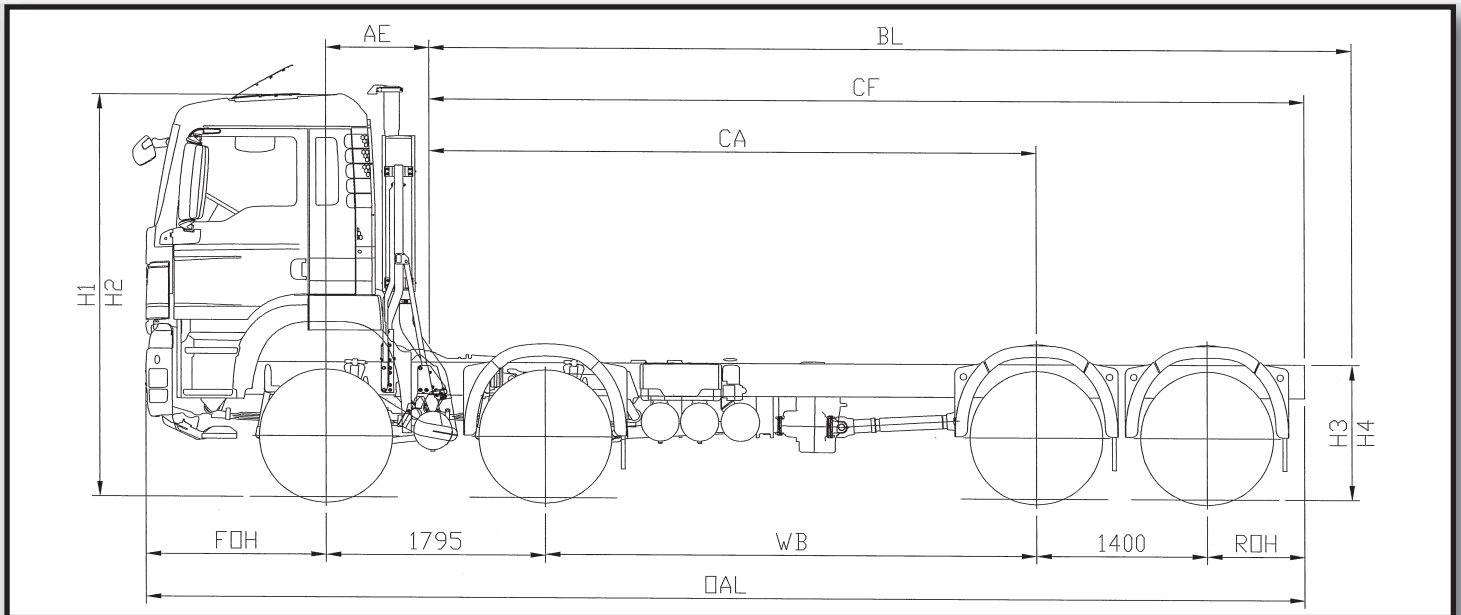
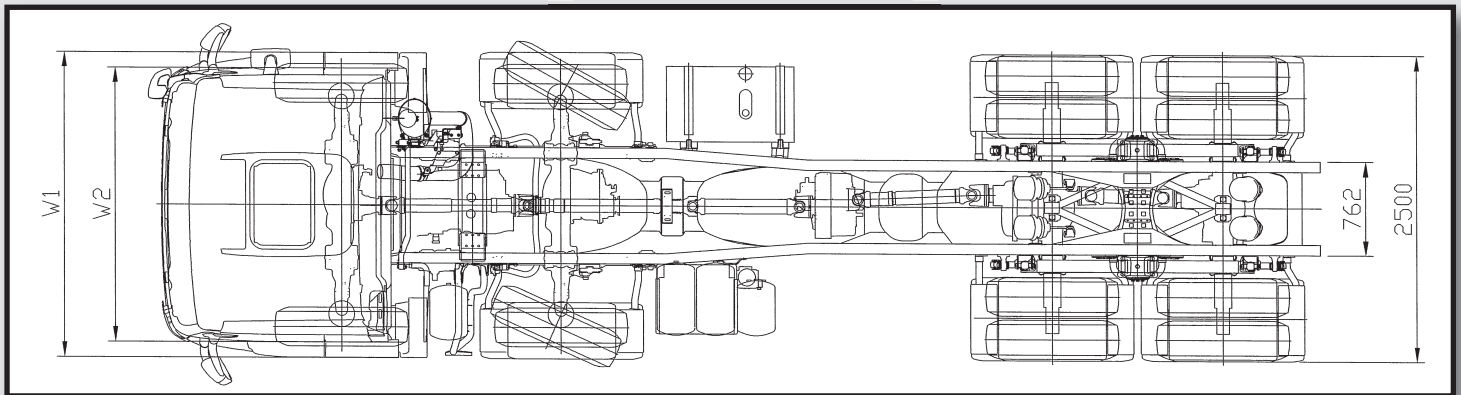
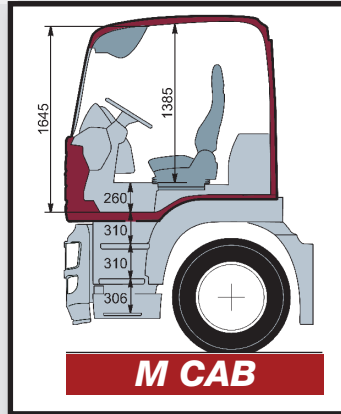
Specification Data

GVM Max: 41,000kg

Weights kg:	Wheelbase (mm)	Front	Rear	Total
M Cab	4030	7670	4310	11980

Turning Circle:	Wheelbase (mm)	Kerb to Kerb (m)	Wall to Wall (m)
	4030	25	26.4

Chassis Dimensions:	Wheelbase (mm)	FOH	ROH	OAL	CA	CF	AE	BL	H1	H2	H3	H4	W1	W2
M Cab	4030mm	1492	800	9517	5955	7455	570	9870	3352	3288	1170	1100	2490	2240



1. All above dimensions are subject to proper weight distribution.
2. State and Federal regulations over ride information supplied on this brochure.
3. Vehicle depicted in this specification sheet is for illustration purposes only.
4. Maximum BL (ROH) is calculated using 60% of WB or 3.7mt whichever is less (ensure sufficient chassis rail is available to comply with State regulations).
5. Tare weight includes 400 litres of fuel, 75kg driver, spare wheel and steel wheels.
6. Specifications are subject to change without notice. Copyright © 2009, MAN Automotive Imports Pty Ltd.



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