

TGS 6x4 chassis

M and L Cab specifications



With the combination of innovative safety features, high power output, outstanding ride and driver comfort, and low whole-of-life costs, the MAN TGS is your business essential. And with its wide, full height, flat floor cabin, this is the ideal truck for the metro, container, distribution and long haul transport segment. Available with the engine of your choice and a variety of cab sizes, you will quickly realise that a MAN TGS in your fleet is a great business decision.

TGS 6x4 chassis M and L Cab specifications

Engines

MAN 6-cylinder 4-valve in-line engine, with Common Rail injection, turbocharging and intercooling. EDC electronic engine regulation.

EURO 5 emission standard with OBD2 (onboard diagnosis) and NOx-control. SCR catalytic converter with Adblue injection. MAN Engine Valve Brake (EVB) fitted as standard.

Transmission

MAN 12 speed TipMatic (ZF-TX Tronic) gearbox. 12 forward speeds, 2 reverse ratios. Suitable for gross train weights up to 70T (up to 90T on application).

Automated constant mesh gearbox. With MAN TipMatic, shifting and clutching are electropneumatic – 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 or 4. 'M' (Manoeuvring Mode) setting for precise lowspeed manoeuvring in forward and reverse.

Fuel tanks

Aluminium fuel tank fitted with lockable cap.

Standard 590Ltr fuel + 100Ltr Adblue fitted to prime movers or twin tanks with 1200Ltr + 100Ltr AdBlue.

Intake/Exhaust system

Raised air intake with pre-filter mounted on the rear L/H side of the cab with air filter housing mounted under rear of cabin.

Exhaust is downswept on left with 560Ltr fuel tank, or upswept on right with optional 1200Ltr tanks.

Wheels and tyres

Fitted with 295/80 R22.5 tyres on 8.25 x 22.5 10 hole steel disc wheels. Spare wheel supplied loose and mounted temporarily on frame.

Basic wheel changing equipment supplied.



Front axle/suspension

MAN VOK-09 (9,000kg) dropped front axle with 'sealed for life' hub units.

8,000kg parabolic springs with shock absorbers and stabiliser.

Rear axles/suspension

MAN HY 1350 / HYD 1370 Hypoid axles (540 HP) with "sealed for life" hub units. 8 air bag Electronically Controlled Air Suspension (ECAS) with stabilisers and shock absorbers. Fitted with differential locks and interaxle lock.

Differential ratios available: 3.08 and 4.11.

Suspension design rating: 2 x 11,500kgs.

Speed Limiter

Vehicle electronically limited to 100kmh. Driver programmable speed limit function can operate between 40kmh and 100kmh.



Frame

Ladder frame made from QstE500TM high strength steel. Frame Dimensions 270mm x 85mm x 8mm.

Chassis fitted with ECE compliant Front Underrun Protection System (FUPS). Steel bumper available on some models.

		ENGINE SPECIFICATIONS			TRANSMISSION SPECIFICATIONS		
Engine HP	Model	Power Rating	Torque	Model	Transmission Ratios	Standard Differential Ratio	
540 HP	MAN D26 12.5 L	397 kW @ 1900 rpm	2500 Nm @ 1050 – 1350 rpm	ZF 12 TX 2820 OD	12.33 – 0.78	4.11	
480 HP	MAN D26 12.5 L	353 kW @ 1900 rpm	2300 Nm @ 1050 – 1400 rpm	ZF 12 TX 2620 DD	16.7 – 1.00	3.08	
440 HP	MAN D20 10.5 L	324 kW @ 1600 – 1900 rpm	2100 Nm @ 1000 – 1400 rpm	ZF 12 TX 2620 DD	16.7 – 1.00	3.08	
400 HP	MAN D20 10.5 L	294 kW @ 1600 – 1900 rpm	1900 Nm @ 1000 – 1400 rpm	ZF 12 TX 2620 DD	16.7 – 1.00	3.08	
360 HP	MAN D20 10.5 L	265 W @ 1600 – 1900 rpm	1800 Nm @ 1000 – 1400 rpm	ZF 12 TX 2620 DD	16.7 – 1.00	3.08	

TGS 6x4 chassis M and L Cab specifications



Brake system

MAN Electronic Brake System (EBS) with Anti-lock Brake System (ABS), Anti Skid Regulator (ASR) and Electronic Stability Programme (ESP) fitted as standard. Disc brakes fitted to all axles with brake wear monitoring and wear equalisation function. Full air operated system fitted with air dryer.

MAN 'easy start' function holds service brakes on hills for smoother pulling away. Hand operated trailer brake.

Cab Options

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

L Cab (single sleeper) 2240mm wide, 2280mm 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 rear view and kerb view mirrors. Manual front-view mirror. Lockable front access panel. Built-in side storage lockers in L cab option.

Electrically operated cab tilting mechanism. Mechanical roof hatch. Air sprung cab mounts front and rear (coil sprung on M cab). Chrome trim to front grille. Stone guard grille in front of radiator.

Cab door extensions fitted (except where steel bumpers are fitted). Full aerodynamic kit and roof spoiler options available for most models.

Cab Interior

High comfort ISRI driver's seat with air suspension, integrated seat belt and arm rests. Factory fitted climate control system.

MAN Topline stereo system with colour touchscreen, AM / FM tuner, CD player, USB and auxiliary inputs, Bluetooth, control functions integrated with the multifunction steering wheel.

6-speaker sound system and sub-woofer (no sub on M cab).

Electrically operated power windows. Interior sunblinds to windscreen and both doors. Full curtains to sleeper cabins. Slideout central storage box between seats.

Large storage drawer in dash console, modular cup holder, storage compartment in door armrest. Silver dashboard trim strip, glasses compartment in dashboard. Reading lamps for driver and co-driver.

Optional electrical preparation for reverse camera connection, and optional integrated navigation available.

Instrument Panel

Full electronic dash display with easy access to vehicle information systems. Permanent gauges: tachometer, speedometer, odometer, air pressure gauges, coolant temperature, fuel gauge, indicator operation and gear selection.

Menu accessible electronic display: time, outside temperature, trip meter, brake wear, oil level, fuel consumption and battery voltage.

Warning lights for all major functions such as: diff lock status, low air pressure, low fuel, lights, cab lock, air suspension, etc.

Steering

Multifunction steering wheel adjustable for rake and reach. Steering wheel controls for cruise control, programmable speed limiter, electronic dashboard menu displays, plus controls for the stereo system and Bluetooth phone system.

Clutch

Single plate 430mm diameter clutch – asbestos free.

Paintwork

Cab, bumper and lower plastics finished in Traffic White (RAL9016). Chassis finished in Graphite Black (RAL 9011). Where steel bumper is fitted, the bumper and lower plastics are finished in grey and door extensions are not fitted.

Electrical System

24V Electrical system with manual battery isolation switch. 110A alternator, 2 x 155Ah batteries.

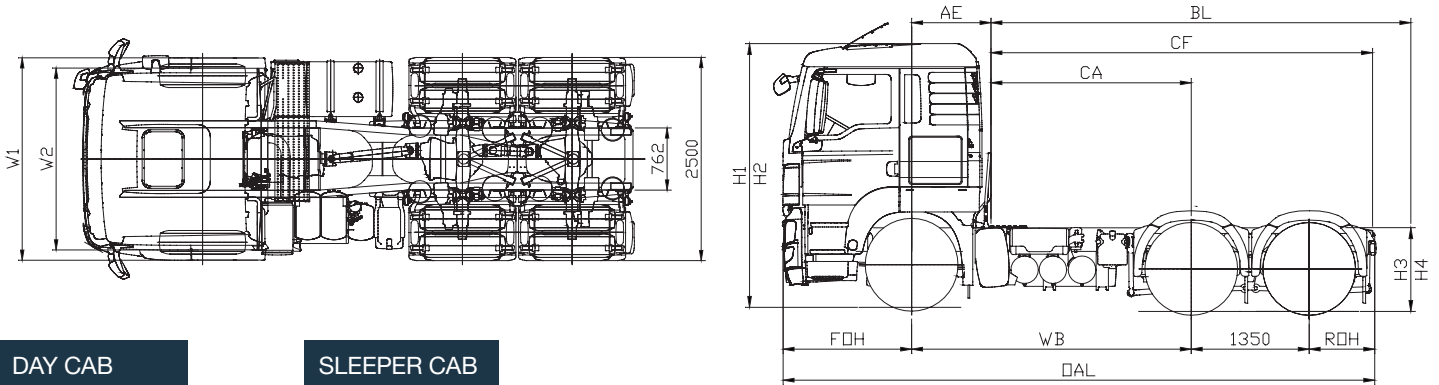
Lights

Headlights fitted with longlife H7 type globes, additional integrated lower spotlight/foglight with longlife H4 globes. LED strip parking light.

Lighting system operation check. Cornering light which automatically illuminates when indicator is activated and lights are switched on below 40kmh – concealed in front foglamp cluster. (Cornering light not available with steel bumper).

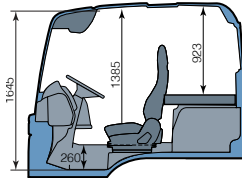
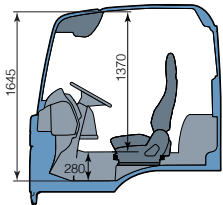
TGS 6x4 chassis M and L Cab specifications

GVM: 26,000 KG; GCM: UP TO 90 TONNES, BASED ON APPLICATION



**DAY CAB
EXTRA SPACE
(M CAB)**

**SLEEPER CAB
(L CAB)**



	DAY CAB EXTRA SPACE (M CAB) WEIGHTS (kg)			SLEEPER CAB (L CAB) WEIGHTS (kg)			TURNING CIRCLE (m)	
Wheelbase	Front (kg)	Rear (kg)	Total (kg)	Front (kg)	Rear (kg)	Total (kg)	Kerb to Kerb (m)	Wall to Wall (m)
3200 mm	4620	3825	8445	4800	3825	8625	14.4	16.1
5100 mm	4760	4180	8940	4890	4180	9070	20.2	21.9

	DAY CAB EXTRA SPACE (M CAB) CHASSIS DIMENSIONS (mm)									EMPTY (mm)	LOADED (mm)	EMPTY (mm)	LOADED (mm)
Wheelbase	FOH	ROH	OAL	CA	CF	AE	BL	W1	W2	H1	H2	H3	H4
3200 mm	1475	750	6775	2630	4730	570	N/A	2490	2240	3080	3021	1067	1037
5100 mm	1475	2800	10725	4530	8680	570	8670	2490	2240	3097	3025	987	957

	SLEEPER CAB (L CAB) CHASSIS DIMENSIONS (mm)									EMPTY (mm)	LOADED (mm)	EMPTY (mm)	LOADED (mm)
Wheelbase	FOH	ROH	OAL	CA	CF	AE	BL	W1	W2	H1	H2	H3	H4
3200 mm	1475	750	6775	2315	4415	885	N/A	2490	2240	3080	3021	1067	1037
5100 mm	1475	2800	10725	4215	8365	885	8355	2490	2240	3097	3025	987	957

- All above weights and dimensions are subject to confirmation and may vary depending on final specification. Manufacturing weight tolerance +/- 3%.
- State and Federal regulations over ride information supplied on this brochure.
- Vehicle images in this specification sheet are for illustration purposes only.
- Maximum body length is calculated using a rear overhang of 60% of the wheelbase to a maximum of 3.7m.
- Tare weight includes 100 litres of fuel, spare wheel and steel wheels.
- Specifications are subject to change without notice. Copyright © 2018, Penske Commercial Vehicles

Penske Commercial Vehicles

72 Formation Street, Wacol, QLD 4076
PO Box 301, Goodna QLD 4300
T: (07) 3271 7777 – F: (07) 3271 2047
www.man.com.au



Maschinenfabrik Augsburg-Nürnberg