

TGM 16.280 4x2



Engine

MAN D0836, EURO 4 Standard.
Electronically controlled common rail fuel injection.
6-cylinder in-line engine, displacement 6871ccm.
Rating 280hp/206kW at 2400rpm.
Torque 1100Nm at 1200-1750rpm.
Man Exhaust Valve Brake (EVB).
Turbocharged and intercooled.
Electronically speed limited.
1-cyl. Compressor 238cc.
Clutch 395mm diameter.
Cruise Control.

Intake / Exhaust System

Dry element air cleaner with vertical intake behind cab.
Down swept exhaust (Euro 4 compliant).

Gearbox

Eaton gearbox FS 8309, 9 forward speeds, 1 reverse synchronesh gearbox. Ratios: 12.6-1.0.
Optional: ZF 12-AS1210 OD Automated Transmission.
Ratios: 10.33-0.81.
PTO opening at rear.

Front Axle / Front Springs / Front Axle Load

MANVOK-05 Dropped axle with disc brakes.
Life-lubricated hub unit.
Axle rating: 6,000kg.

Rear Axle / Rear Springs / Rear Axle Load

MAN hypoid axle with disc brakes.
2 Bag rear air suspension.
Electronically controlled air suspension (ECAS).
Axle rating: 10,000kg.
Differential lock.
Axle ratios available: 3.08, 3.36, 3.70, 4.11.

Rims

Steel disc wheels 8-hole 8.25-19.5.
305/70R19.5 Continental Tyres.
Frame side mounted spare wheel carrier with winch.
Wheel changing tools supplied.

Fuel Tanks

Steel fuel tank 200ltr with water separator.
Optional: 200ltr alloy.
Extra 200ltr steel tank.

Frame

Ladder frame, parallel U-section chassis rail with tubular cross members rivetted and bolted.
Flat top chassis rails to facilitate body mounting.
Chassis rail dimensions:
Depth: 220 mm x flange 70 mm.
Thickness: 7 mm.

Steering

Power steering, fully adjustable steering wheel with pneumatic locking.

Cab Exterior

Cab "C" (Day) 1620mm long, 2240 mm wide.
Option - "L" sleeper cab.
Forward control, all steel with extensive anti-corrosion treatment and optimal noise and heat insulation.
Rear-view mirror(s) heated and electronically adjustable.
Entry lighting for driver and co-driver.
Safety tested to ECE-R29.
Laminated windscreen.
Door windows tinted.
Central locking.

Cab Interior

Air suspended driver's seat, fully adjustable.
Static co-driver's seat, fixed position.
Air-conditioner, CFC-free refrigerant 134 AC with climate control.
Electric windows.

Instruments

Electronic dash displaying vehicle messages and status reports in a full menu system.

Radio / Communication Systems

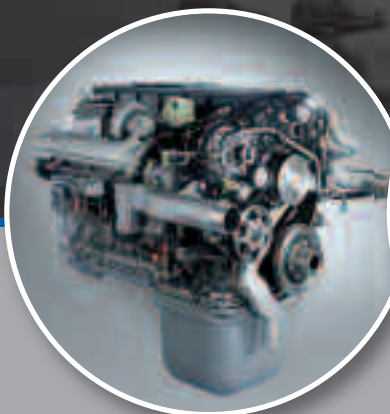
Radio MAN CD 24V with RDS function and CD player.

24 Volt Electrical System

Battery main switch, mechanical.
2 batteries 12V 88Ah.
Alternator 28V 80A 2240W.

Brake System

MAN electronic brake system (EBS).
Anti-lock braking system (ABS).
Disc brakes on front and rear axles.
BrakeMatic switch on dash to operate EVB with the brake pedal, when loaded.



Specification Data

GVM Max: 16,000kg • GCM Max: 36,000kg

Weights kg:		Day Cab		
Wheelbase	Front	Rear	Total	
3825	3240	1535	4775	
4125	3235	1555	4790	
4425	3230	1575	4805	
4775	3225	1605	4830	
5125	3220	1625	4845	
5475	3215	1655	4870	
Weights kg:		Sleeper Cab		
Wheelbase	Front	Rear	Total	
3825	3410	1535	4945	
4125	3405	1555	4960	
4425	3400	1575	4975	
4775	3395	1605	5000	
5125	3390	1625	5015	
5475	3385	1655	5040	

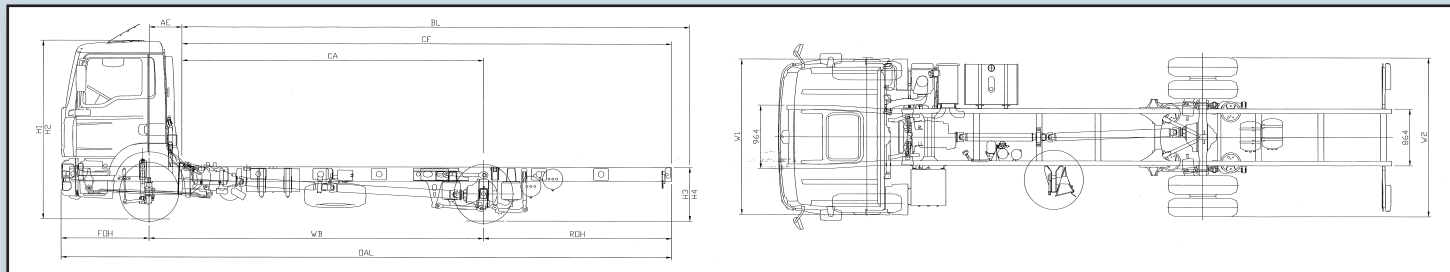


Note: Cab/chassis weight calculated with spare tyre and wheel, toolkit and 100ltrs fuel.

Dimensions (mm)							(Max)	Empty	Loaded	Empty	Loaded		
Day Cab (C Cab)	FOH	ROH	OAL	CA	CF	AE	BL	H1	H2	H3	H4	W1	W2
WB-3825	1350	2125	7300	3325	5450	500	5620	2814	2736	838	868	2446	1794
WB-4125	1350	2325	7800	3625	5950	500	6100	2814	2736	838	868	2446	1794
WB-4425	1350	2475	8250	3925	6400	500	6580	2814	2736	838	868	2446	1794
WB-4775	1350	2675	8800	4275	6950	500	7140	2814	2736	838	868	2446	1794
WB-5125	1350	2875	9350	4625	7500	500	7700	2814	2736	838	868	2446	1794
WB-5475	1350	3075	9900	4975	8050	500	8260	2814	2736	838	868	2446	1794
Sleeper Cab (L Cab)													
WB-3825	1350	2125	7300	2825	4950	1000	5070	2814	2736	838	868	2446	1794
WB-4125	1350	2325	7800	3125	5450	1000	5550	2814	2736	838	868	2446	1794
WB-4425	1350	2475	8250	3425	5900	1000	6030	2814	2736	838	868	2446	1794
WB-4775	1350	2675	8800	3775	6450	1000	6590	2814	2736	838	868	2446	1794
WB-5125	1350	2875	9350	4125	7000	1000	7150	2814	2736	838	868	2446	1794
WB-5475	1350	3075	9900	4475	7550	1000	7710	2814	2736	838	868	2446	1794

Turning Circle

Wheelbase	3825	4125	4425	4775	5125	5475
(Kerb to Kerb m)	14.5	14.6	15.6	16.7	17.8	18.9
(Wall to Wall m)	16.0	16.2	17.1	18.2	19.3	20.4



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. Specifications are subject to change without notice. Copyright © 2007, MAN Automotive Imports Pty Ltd.



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