

THE MAN ESSENTIALS ■ Low total cost of ownership ■ Quiet and ergonomic cabin environment ■ Safety and efficiency ■ German engineering

TGM 4x4 AWD Chassis

C, L and DK Cab



When it comes to the AWD market, the TGM redefines innovation and engineering excellence. Specifically engineered and built for AWD applications and highly flexible, you have your choice of power rating, cab size, and options to suit. Whether you're in mining, oil and gas, essential services, or agriculture, the MAN 4x4 is a great business decision.

ENGINEERED TO SAVE YOU MONEY ►



TGM 4x4 AWD Chassis C, L and DK Cab

Engines

- MAN D0836, 6-cylinder, 4-valve in-line engine with Common Rail fuel injection. single stage turbo and intercooled. EDC electronic engine regulation. Euro 5 emission standard with SCR, and OBD2 (on-board diagnosis) with NOx emission monitoring.
- MAN Exhaust Valve Brake (EVB) and cruise control fitted as standard.

Transmission

- MAN 12-speed TipMatic (ZF-AS Tronic) gearbox. 12 forward speeds, 2 reverse ratios. Automated constant mesh transmission. With MAN TipMatic, shifting and clutching are electro-pneumatic; there is no clutch pedal.
- Manual mode available (shifting via a fingertip lever on the steering column).
- "M" (Manoeuvring Mode) setting for precise low speed manoeuvring in forward and reverse. Manual ZF 9S1310OD available for selected models only.
- Gearbox off road software (DX mode).

Transfer Case

- Permanently engaged transfer case with low and high range provides an additional 12-gear ratios for off road use.
- Disengage-able option available for specific applications.

Fuel tanks

- Refer for details below.
- Lockable tank caps.

Intake/Exhaust system

- Raised air intake behind cab with pre-cleaner.
- Down-swept exhaust muffler on R/H of chassis with tailpipe outlet to frame centre.

Wheels and tyres

- For details refer to below table.
- Frame side mounted spare wheel carrier for selected models.

Front axle/rear axle

- Planetary driven axles with diff locks.

Speed Limiter

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

Frame

- Ladder frame chassis with tubular cross members riveted and bolted.
- Chassis rail dimensions: 220mm x 70mm x 7mm.



Brake system

- MAN Electronic Brake System (EBS) with Anti-lock Brake System (ABS) off road ABS software standard, Regulator and Electronic Stability Programme fitted as optional.
- Disc brakes to both front and rear axles for 13T and 15T. Drum brakes for 18T model. Full air operated system with air dryer.
- MAN 'hill climb brake' for safer off road hill starts. Hand operated trailer brake (except on Crew cab).

Cab Exterior

- Cab compliant with ECE R29 safety certification
- Cab roof spoiler standard on L cab, optional on C cab
- All metal parts are galvanised and corrosion protected
- 87 degree door opening
- Entry lighting for driver and passenger
- central locking to both doors
- external smoked sunvisor
- Manual roof hatch (L cab)

Cab Interior

- High comfort ISRI driver's seat with air suspension
- 3-way lumbar adjustment, shoulder adjustment, integrated seat belt, arm rests and heating

- Adjustable, non-air passenger seat
- Factory fitted climate control air conditioning system with pollen filter
- Radio/CD player
- Preparation for UHF radio
- Electrically operated power windows
- Interior sunblinds to windscreen and both doors
- Central storage box between the seats
- Infotainment and Sat Navigation options available on request.

Instrument Panel

- Easy access to vehicle information systems

Permanent gauges:

- tachometer
- speedometer
- odometer
- air pressure
- coolant temperature
- fuel and gear selection.

Menu accessible electronic display:

- time
- outside temperature
- trip meter
- brake pad wear
- oil level
- fuel consumption
- battery voltage

TGM 4x4 AWD Chassis C, L and DK Cab

Steering

- Fully adjustable steering wheel with pneumatic lock
- Multifunction steering wheel interfaces with the radio/CD, cruise control and the electronic dash display functions
- Also has controls for the OPTIONAL factory integrated Bluetooth phone system

Clutch

- Single plate 395mm diameter clutch

Paintwork

- Cab finished in Traffic White (RAL 9016)
- Bumper and lower cab plastics in grey
- Chassis in Graphite Black (RAL 9011)

Electrical System

- 24 Volt Electrical System
- Battery main switch mechanical
- 2 batteries 12V 88Ah
- Alternator 28V 110A 3080W

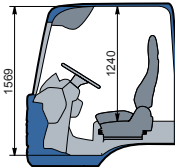
Lights

- Headlights fitted with longlife H7 type globes
- Lighting system operation check

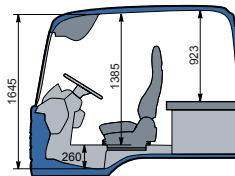
Cab Options

Cab type	Length	Width
C compact day cab	1,620mm	2,240mm
L sleeper cab	2,280mm	2,240mm
DK crew cab (up to 7 seats)	2,785mm	2,240mm

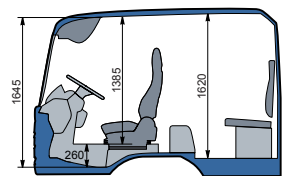
DAY CAB (C CAB)



SLEEPER CAB (L CAB)



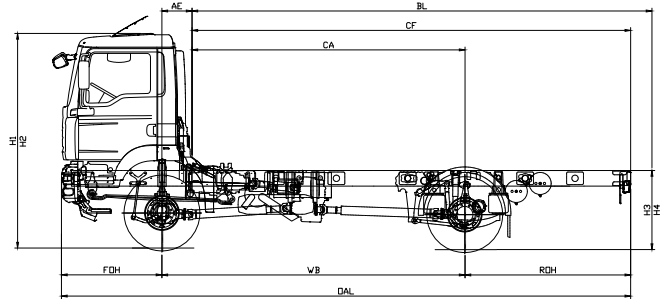
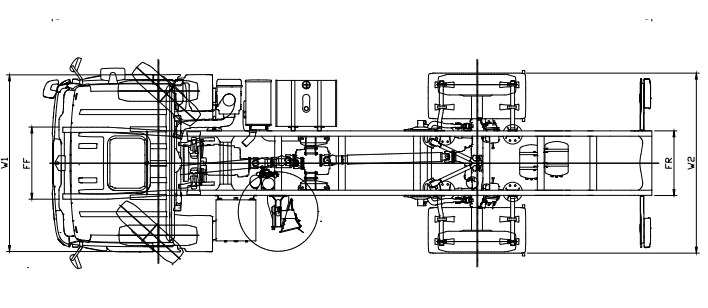
DUAL CAB (DK CAB)



AWD TGM 13 Tonnes 4x4

SPECIFICATIONS

GVM: 13,000 KG GCM: 28,000 KG



ENGINE SPECIFICATIONS

TRANSMISSION SPECIFICATIONS

Engine HP	Model	Power Rating	Torque	Model	Transmission Ratios	Standard Differential Ratio
290HP	MAN D0836, 6.9L	1,800 to 2,200 rpm	1,150Nm @ 1,200 to 1,800rpm	ZF 12 AS 1210 OD	10.37 – 0.81	5.07
250HP	MAN D0836, 6.9L	1,700 to 2,200 rpm	1,000Nm @ 1,200 to 1,600rpm	ZF 12 AS 1210 OD	10.37 – 0.81	5.07

DAY CAB WEIGHTS

SLEEPER CAB WEIGHTS

CREW CAB WEIGHTS

TURNING CIRCLE

Wheelbase	Front (kg)	Rear (kg)	Total (kg)	Front (kg)	Rear (kg)	Total (kg)	Front (kg)	Rear (kg)	Total (kg)	Kerb to Kerb (m)	Wall to Wall (m)
4,250mm	3,838	1,668	5,506	4,068	1,668	5,736	4,108	1,808	5,916	16.1	17.7

DIMENSIONS (mm)

MAX

EMPTY

LOADED

EMPTY

LOADED

Wheelbase	DIMENSIONS (mm)							MAX	EMPTY	LOADED	EMPTY	LOADED				
Day Cab	FOH	ROH	OAL	AE	CA	CF	BL	H1	H2	H3	H4	FF	FR	W1	W2	
4,250mm	1,400	2,325	7,975	475	3,775	6,100	6,325	3,093	3,019	1,138	1,118	964	864	2,377	2,370	
Sleeper Cab	FOH	ROH	OAL	AE	CA	CF	BL	H1	H2	H3	H4	FF	FR	W1	W2	
4,250mm	1,400	2,325	7,975	970	3,280	5,605	5,830	3,163	3,095	1,138	1,118	964	864	2,377	2,370	
Crew Cab	FOH	ROH	OAL	AE	CA	CF	BL	H1	H2	H3	H4	FF	FR	W1	W2	
4,250mm	1,400	2,325	7,975	1,620	2,630	4,955	5,180	3,154	3,092	1,138	1,118	964	864	2,377	2,370	

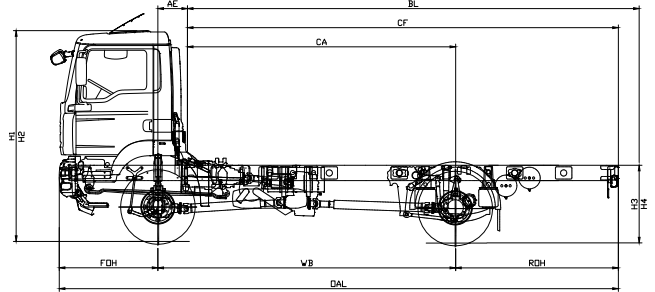
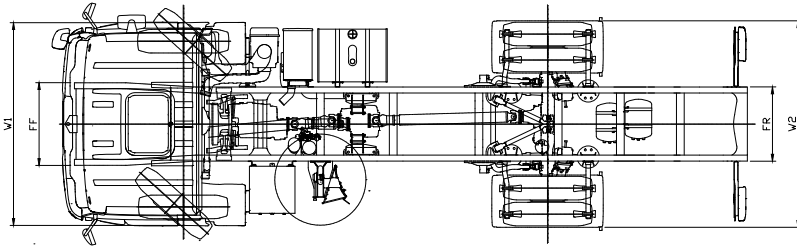
GENERAL INFORMATION

Engine HP	W/Base	Rear O/H	Suspension Front Rear	Tyres	Axle Ratio	Fuel tank	Front Axle / Suspension	Rear Axle / Suspension
13.250 4x4 BL	4,250	2,325	Steel/Air	11R 22.5 Single Tyres	5.07	300 L 27 L AdBlue	VP-06 driven front springs parabolic 6.3 t	HP-0928 Rear springs, Electronically Controlled Air Suspension (ECAS) with 4 air bags and stabiliser, rated at 9.5t
13.290 4x4 BL	4,250	2,325	Steel/Air	385/65R22.5 Single Tyres	5.07	300 L 35 L AdBlue	VP-06 driven front springs parabolic 6.3 t	HP-0728 single tyred rear air suspension 7.8 t

AWD TGM 15 Tonnes 4x4

SPECIFICATIONS

GVM 15,000 KG GCM: Available on application



EngineHP	ENGINE SPECIFICATIONS			TRANSMISSION SPECIFICATIONS		
	Model	Power Rating	Torque	Model	Transmission Ratios	Standard Differential Ratio
290HP	MAN D0836 6.9 L	1,800 to 2,200 rpm	1,150 Nm @ 1,200-1,800 rpm	ZF 12 AS1210 OD	10.37-0.81	5.07
250HP	MAN D0836 6.9 L	1,700 to 2,200 rpm	1,000 Nm @ 1,200-1,600 rpm	ZF 12 AS1210 OD	10.37-0.81	5.07

Wheelbase	DAY CAB WEIGHTS			SLEEPER CAB WEIGHTS			CREW CAB WEIGHTS			TURNING CIRCLE	
	Front (kg)	Rear (kg)	Total (kg)	Front (kg)	Rear (kg)	Total (kg)	Front (kg)	Rear (kg)	Total (kg)	Kerb to Kerb (m)	Wall to Wall (m)
4,250mm	3,780	1,800	5,580	4,010	1,800	5,810	4,050	1,940	5,990	16.1	17.7

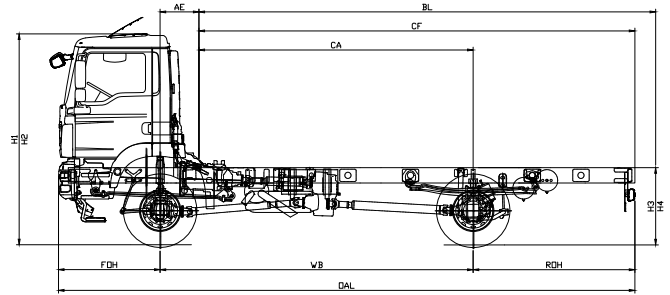
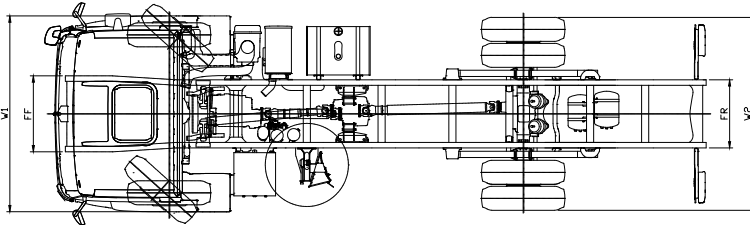
Wheelbase	DIMENSIONS (mm)							MAX	EMPTY	LOADED	EMPTY	LOADED				
	FOH	ROH	OAL	AE	CA	CF	BL						H1	H2	H3	H4
Day Cab	FOH	ROH	OAL	AE	CA	CF	BL	H1	H2	H3	H4	FF	FR	W1	W2	
4,250mm	1,400	2,325	7,975	475	3,775	6,100	6,325	3,087	3,013	1,132	1,112	964	864	2,377	2,376	
Sleeper Cab	FOH	ROH	OAL	AE	CA	CF	BL	H1	H2	H3	H4	FF	FR	W1	W2	
4,250mm	1,400	2,325	7,975	970	3,280	5,605	5,830	3,157	3,089	1,132	1,112	964	864	2,377	2,376	
Crew Cab	FOH	ROH	OAL	AE	CA	CF	BL	H1	H2	H3	H4	FF	FR	W1	W2	
4,250mm	1,400	2,325	7,975	1,620	2,630	4,955	5,180	3,148	3,086	1,132	1,112	964	864	2,377	2,376	

GENERAL INFORMATION								
Engine HP	W/Base	Rear O/H	Suspension Front Rear	Tyres	Axle Ratio	Fuel tank	Front Axle / Suspension	Rear Axle / Suspension
15.250 4x4 BL	4,250	2,325	Steel/Air	11R 22.5 Dual Rear	5.07	300 L 27 L AdBlue	VP-06 driven front springs parabolic 6.3 t	HP-0928 Rear springs, air, 9.5 t
15.290 4x4 BL	4,250	2,325	Steel/Air	11R 22.5 Dual Rear	5.07	300 L 35 L AdBlue	VP-06 driven front springs parabolic 6.3 t	HP-0928 Rear springs, air, 9.5 t

AWD TGM 18 Tonnes 4x4

SPECIFICATIONS

GVM: 18,000 KG GCM: 33,000 KG



ENGINE SPECIFICATIONS				TRANSMISSION SPECIFICATIONS		
Engine HP	Model	Power Rating	Torque	Model	Transmission Ratios	Standard Differential Ratio
320HP	MAN D0836 6.9 L	1,800 to 2,200 rpm	1,250 Nm @ 1,200-1,700 rpm	ZF 12 AS1210 OD	10.37-0.81	4.83
290HP	MAN D0836 6.9 L	1,800 to 2,200 rpm	1,150 Nm @ 1,200-1,800 rpm	ZF 12 AS1210 OD	10.37-0.81	4.83

Wheelbase	DAY CAB WEIGHTS			SLEEPER CAB WEIGHTS			CREW CAB WEIGHTS			TURNING CIRCLE	
	Front (kg)	Rear (kg)	Total (kg)	Front (kg)	Rear (kg)	Total (kg)	Front (kg)	Rear (kg)	Total (kg)	Kerb to Kerb (m)	Wall to Wall (m)
3,600mm	4,030	1,920	5,950	N/A	N/A	N/A	N/A	N/A	N/A	13.3	15.0
3,900mm	4,020	1,925	5,945	N/A	N/A	N/A	N/A	N/A	N/A	14.7	16.1
4,500mm	4,050	2,055	6,105	4,280	2,055	6,335	4,530	2,090	6,620	16.2	17.9

Wheelbase	DIMENSIONS							MAX	EMPTY	LOADED	EMPTY	LOADED				
	FOH	ROH	OAL	AE	CA	CF	BL						H1	H2	H3	H4
Day Cab																
3,600/3,900mm (Spreader)	1,450	1,175	6,225	520	3,080	4,255	5,240	3,122	3,032	1,247	1,110	966	866	2,492	2,422	
4,500mm	1,450	2,325	8,275	520	3,980	6,305	6,680	3,122	3,032	1,247	1,110	966	866	2,492	2,422	
Sleeper Cab																
4,500mm	1,450	2,325	8,275	920	3,580	5,905	6,280	3,193	3,108	1,247	1,110	966	866	2,492	2,422	
Crew Cab																
4,500mm	1,450	2,325	8,275	1,570	2,930	5,255	5,630	3,185	3,105	1,247	1,110	966	866	2,492	2,422	

GENERAL INFORMATION								
Engine HP	W/Base	Rear O/H	Suspension Front Rear	Tyres	Axle Ratio	Fuel tank	Front Axle / Suspension	Rear Axle / Suspension
18.290/320 4x4 BB	4,500	2,325	Steel/Steel	295/80R 22.5 Dual Rear	4.83	300 L 35 L AdBlue	VP-09 driven front springs parabolic 7.1 t	HP-1333 rear springs parabolic, 11.5 t
18.320 4x4 BB (Spreader)	3,600	1,175	Steel/Steel	295/80R 22.5 Dual Rear	4.83	300 L 35 L AdBlue	VP-09 driven front springs parabolic 7.1 t	HP-1333 rear springs parabolic, 11.5 t
	3,900	1,175	Steel/Steel	295/80R 22.5 Dual Rear	4.83	300 L 35 L AdBlue	VP-09 driven front springs parabolic 7.1 t	HP-1333 rear springs parabolic, 11.5 t

1. All above weights and dimensions are subject to confirmation and may vary depending on final specification. Manufacturing weight tolerance +/- 3%.
2. State and Federal regulations over ride information supplied on this brochure.
3. Vehicle images in this specification sheet are for illustration purposes only.
4. Maximum body length is calculated using a rear overhang of 60% of the wheelbase to a maximum of 3.7m.
5. Tare weight includes 100 litres of fuel, spare wheel and steel wheels.
6. Specifications are subject to change without notice. Copyright © 2020, Penske Australia

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