

AWD



ENGINEERED TO SAVE YOU MONEY ►



THE MAN ESSENTIALS

- Outstanding fuel efficiency
- Low whole-of-life costs
- Engineered safety
- Unequaled comfort
- Proven reliability

AWD range



ge

The all-wheel drive (AWD) range ensures you are prepared for whatever the job throws at you. Whatever the environment or application, or wherever maximum traction is needed (and with some models having disengageable all wheel drive), our range is up to the challenge.

From mining to drilling to power and energy, and more, MAN's AWD technology, coupled with a broad range of suspension systems, is up to the task.

With power distributed by a two-speed transfer case, planetary axles with higher ground clearance, differential locks, and disc or drum brakes (platform dependent), and stabilisers, drivers can work secure in the knowledge that their AWD will back them.

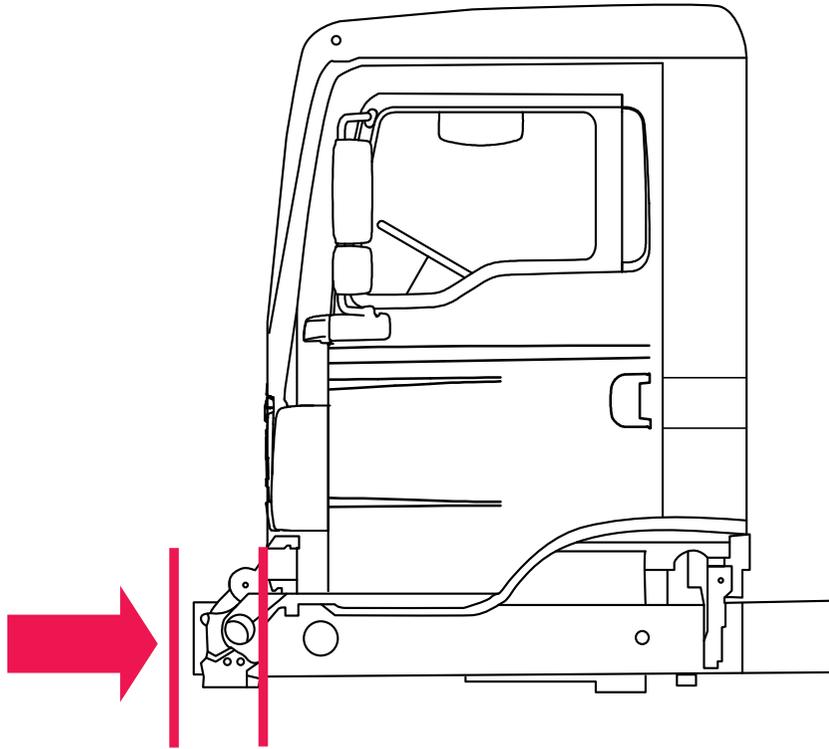
MAN's AWD range is available in 4x4, 6x6, and 8x8 configurations.



safety

Impact absorbing deformable cab

Impact absorbing deformable cab mounts allow the cab to move rearward absorbing the energy in the case of a frontal collision.



Innovation in safety

German manufacturers are world renowned for their commitment to innovation in safety. You can rest assured that your decision to purchase an all-wheel drive from MAN is not only a safe choice for your business and its bottom line, but the only choice for occupant safety.

The AWD comprises the latest in active and passive safety features including the following:

Anti-lock braking system (ABS)

MAN offers ABS technology providing the truck with a continuous braking application in the case of a lock-up.

Off-road logic for ABS

MAN's off-road logic for ABS improves the braking effect on soft, unpaved road surfaces, e.g. gravel, sand, mud, earth, or deep, wet snow at low speed (up to 40 km/h).

The off-road logic operating principle is locked wheels creating a 'braking wedge' of loose ground material in front of the wheels.

Brake assistant

MAN's brake assistant applies maximum braking pressure when the system detects that an emergency stop has been initiated, ensuring the shortest stopping distance possible.

Electronic transfer case and lock management system (VSM)

VSM prevents operator errors (and potential damage) by not allowing changes to the on/off road functionality while driving.

VSM does not need to be operated by the driver allowing them to concentrate on the task at hand.

Mandatory engagement sequence for the individual locks are via rotary switch, minimising functionality errors, and intuitive icons allow ease of use.

Hill-climb brake

MAN's hill-climb brake ensures the vehicle does not roll back when on an incline, preventing potential collisions and reducing load on the parking brake. The hill brake is active only when the button is selected.

An investment in MAN is
an investment in safety. ■

comfort

Class-leading comfort

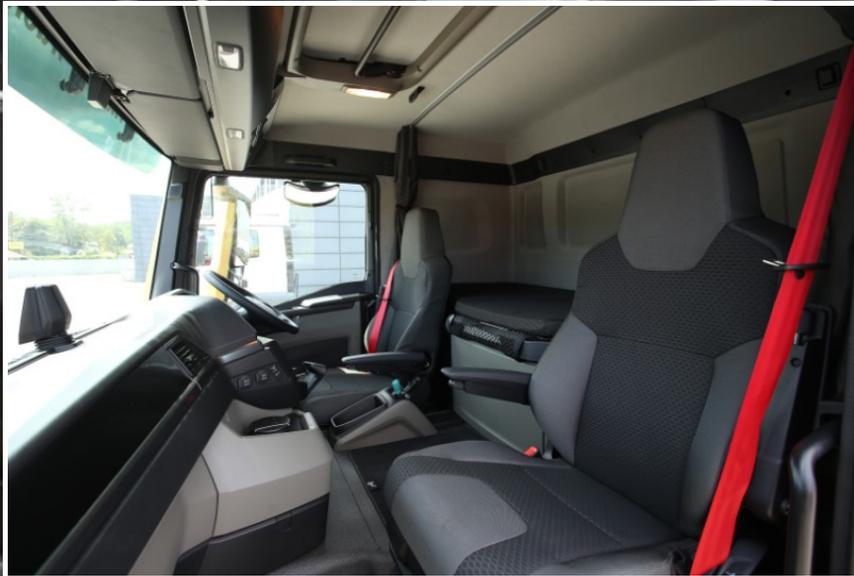
Once you drive an MAN, there's no turning back. MAN's superior comfort package doesn't come by way of costly add-ons – it's engineered as standard.

The TGM AWD range offers class-leading comfort and features, including a lower cab height, coupled with lower entry points and shorter steps improving accessibility and yielding exceptional driveability and performance.

Combining high horsepower and torque with exceptional ground clearance, the TGS AWD range fulfills all your heavy-duty, off-road requirements no matter the terrain.



Once you drive an MAN, there's no turning back. ■



MAN's AWD comfort features include:

- Multi-adjustable driver's seat with heating, three-way lumbar support and integrated belt system, air sprung option*
- Multi-function steering wheel with integrated stereo, phone, dashboard interactive display menus, cruise control and programmable speed limiter
- Rear-view mirrors electrically adjustable and heated
- Manual front-view safety mirror
- Sunblind on door windows to prevent glare
- Bluetooth connectivity available
- High quality surface finishes (colour schemes vary for different platforms)

the answer

Smart versatility

Whatever job you can think of, MAN's AWD range is the answer. From single cab and dual cab (select models), to 4x4, 6x6, and 8x8 configurations, you are spoiled for choice.

TGM AWD

With its high gross weight rating, low tare weight, proven durability and AWD ability, MAN's TGM 4x4 sets the benchmark in its class for specialised off-road trucks. With air suspension, available on models such as the 13 tonnes and 15 tonnes, to the rear axle, there is no compromise to durability and comfort.

The crew cab models combine the reliability and durability of the TGM chassis with the versatility of three cab designs, seating up to seven (driver plus six) people. The TGM is well proven in some of the toughest conditions in Australia and is suited to a broad range of applications including mining exploration, fire fighting, council work crews, RV applications, and power and energy.

TGS AWD

Irrespective of the complexity of the application, the TGS 6x6 or 8x8 embraces the challenge. Regardless of the terrain, climate, and stresses and strains, MAN's TGS AWDs are built tough to survive.





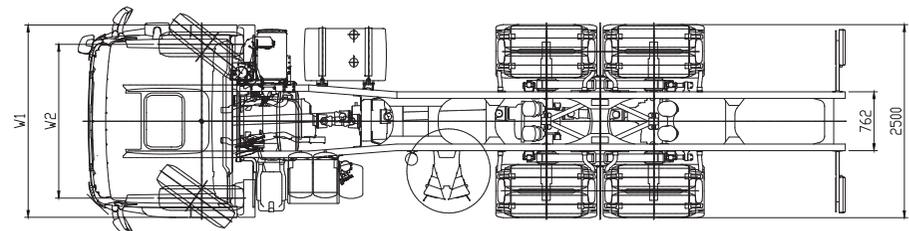
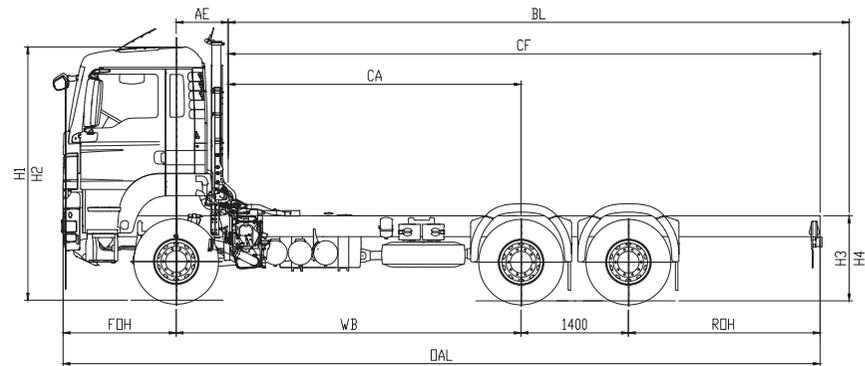
MAN's AWDs deliver essential business versatility. ■

specifications

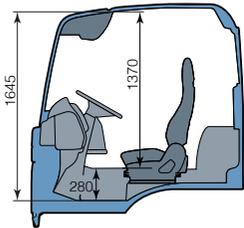
TGS 6x6 chassis



GVM: 33,000 KG; GCM UP TO 90 TONNES



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



		ENGINE SPECIFICATIONS			TRANSMISSION SPECIFICATIONS		
Engine HP	Model	Power Rating	Torque	Model	Transmission Ratios	Standard Differential Ratio	
440 HP	MAN D20 10.5 L	324 kW @ 1600 – 1900 rpm	2100 Nm @ 1000 – 1400 rpm	ZF 12 TX 2820 OD	12.33 – 0.78	4.00	
360 HP	MAN D20 10.5 L	265 kW @ 1600 – 1900 rpm	1800 Nm @ 1000 – 1400 rpm	ZF 12 TX 2820 OD	12.33 – 0.78	4.00	

DAY CAB EXTRA SPACE (M CAB) WEIGHTS (kg)				TURNING CIRCLE (m)	
Wheelbase	Front	Rear	Total	Kerb to Kerb	Wall to Wall
3600 mm	5360	4830	10190	18.5	20.0
4500 mm	5415	4985	10400	21.3	22.8

DAY CAB EXTRA SPACE (M CAB) CHASSIS DIMENSIONS (mm)										EMPTY (mm)	LOADED (mm)	EMPTY (mm)	LOADED (mm)
Wheelbase	FOH	ROH	OAL	AE	CA	CF	BL	W1	W2	H1	H2	H3	H4
3600 mm	1492	1500	7992	650	2950	5850	5930	2490	2240	3344	3279	1170	1100
4500 mm	1492	2500	9892	650	3850	7750	7670	2490	2240	3344	3279	1170	1100

the difference

What makes MAN different

The MAN AWD range is a step ahead of its competitors, boasting the following features:

- Transfer case that can be disengaged* saving fuel and wear on the driveline. Customers have the option of either a permanent AWD unit, or for AWDs that are not off-road for more than 80% of the time, customers can choose a unit which can disengage the transfer case.
 - MAN's off-road logic system for ABS comes with the 12-speed AS Tronic gearbox allowing the unit to be driven in either on-road or off-road mode, increasing fuel efficiency, reducing wear on the driveline, and increasing handling capability in both severe and moderate off-road situations.
 - The AWD range comes with many off-road tyre options for increased functionality to navigate a variety of terrains such as sand, mud, or construction sites with both tube and tubeless options.
 - MAN AWD customers have access to many aftermarket specialised accessories, such as tyre inflation and deflation systems, additional fuel tanks, hydraulic winches, bull bars, LED head and tail lamps, RV-style steel bumpers, engine and radiator heavy duty sump guards.
 - Tare mass on MAN's AWD 4x4 units is very light with a best-in-class, off-road GVM capability.
 - Transmission options for the AWD range include manual and fully automated for specific applications.
- MAN AWDs have various options for power take-off (PTO) such as transfer case PTO, engine live drive PTO, gearbox PTO, and NMV clutch dependent PTO.
 - TGM 4x4s have a class-leading GCM rating and are available with or without trailer brakes.
 - TGX 8x8s have a factory load share feature.

Count on MAN

When you purchase an MAN you get backing you can rely on. Our warranty package will support your business ensuring your truck stays on the road, maximising your profit.

The AWD range warranty package includes:

- Extended driveline warranties available up to 5 years / 750,000 km.
- Extended entire vehicle warranties available upon request.
- Repair and maintenance packages up to 5 years / 750,000 km.†
- Engine oil drain intervals up to 70,000 km for 6x6 and 8x8 vehicles based on fuel burn between 30 & 50 litres per 100 km.
- Engine oil drain intervals up to 60,000 km for 4x4 vehicles based on fuel burn less than 23L/100km.

* Model specific

† Restrictions apply in remote locations



MAN

PENSK