



Efficiency in traction.
The MAN TG vehicles.

MAN kann.





TRACTION COUNTS.

Some of the equipment illustrated in this brochure is not included in the series-production scope.

**EFFICIENCY
DECIDES.**



No matter on which ground you are travelling.

You just keep on rolling with MAN.

→ **Efficiency gets every job in gear.** Whoever works in the transport business today acts on difficult terrain. This applies in particular when the assignments are not only on-road, but off-road – on unpaved roads and rough terrain. As, for example, in construction-site transport and municipal operation, in fire-fighting and emergency services, in agriculture and forestry or during explorations and expeditions. For all these tasks, MAN offers the right trucks with innovative technology, state-of-the-art cost-effectiveness and that decisive additional traction. Whether you select the TGS or choose a TGX or a TGM, you're deciding for the utmost efficiency. With their proven Euro 6 technology, the MAN traction vehicles head out on a cost-cutting campaign. The fuel consumption is as low as with Euro 5, the AdBlue® consumption is 50% lower. By contrast, the payload, the body-mounting capability and the reliability are particularly high under all conditions. The new dynamic design reflects this perfectly. And if you add our customized services to all of that, you can take your business to the next level: For all destinations.

www.mantruckandbus.com



**RAMP UP.
BEFORE YOU
TAILSPIN.**

Where there's an MAN, there's a way. Whether gravel, mud or snow, challenges are there to be mastered. MAN all-wheel-drive trucks get through where others just spin their wheels.

Whether used on construction sites, in municipal snow-clearing services or any kind of off-road use: The MAN vehicles, with their permanent or engageable all-wheel drive, make you mobile. The MAN transfer case with on-road and off-road gears controls the power flow to all axles. One special feature is the electronic transfer case and differential management for securely engaging the locks. The MAN TipMatic® gearbox, which can be operated in automatic mode as well as manually, translates the power into dynamics. The MAN TipMatic® Offroad shift program is specifically designed for more efficiency on construction sites and off-road. The integrated EasyStart function for on-road use or the hill-holding brake for off-road are especially practical: With these, the driver can pull away easily on slopes without jolting or rolling backwards.

- Optimum traction, high stability and safety on slippery roads and difficult ground
- Permanent or engageable all-wheel drive depending on the requirements
- MAN transfer case with on-road and off-road gears
- Electronic transfer case and differential management for the optimum driving strategy off-road
- MAN TipMatic® Offroad with the optimum gearshift strategy for off-road deployment
- MAN EasyStart for a safe and effortless start on slopes
- Hill-holding brake for moving off, even on difficult slopes



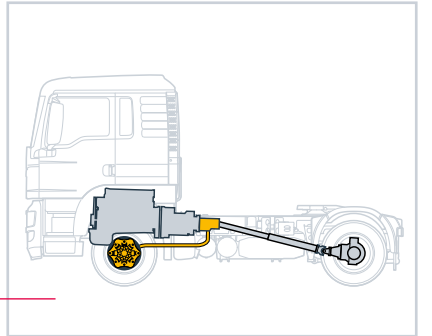


More traction. At the turn of a switch.

Where the road stops, the proven MAN HydroDrive® keeps you going. It masters traction-critical driving situations with superiority even in places where the trip for trucks with pure rear-wheel drive would come to an end.

When you're on the move, you never know what to expect. Which makes it all the better when you're well prepared for everything. For example on slippery surfaces, mud and gravel. In driving situations where mere rear-wheel drive is no longer sufficient, you can rely on MAN HydroDrive® to drive you forward. One short turn of the switch in the cockpit suffices and you have considerably more traction and the optimum propulsion – in the forward gears as well as in reverse. The operational spectrum of your MAN is broadened significantly. In addition, you save fuel and up to 400 kg in weight compared with the conventional all-wheel drive. Even if you travel practically only on the roads, the extra traction provides greater mobility and safety, particularly for trips without cargo on slippery or wintry roads with snow and ice.

MAN HydroDrive®
operating principle.



Front axle with
hydrostatic wheel
hub motors.



→ MAN HydroDrive® has everything going for it.

- More traction and optimum control when driving downhill on slippery or loose surfaces
- Greater flexibility in vehicle use
- No increase in fuel consumption compared with conventional rear-wheel drive
- Weight saving of approx. 400 kg compared with permanent all-wheel drive
- Time and cost savings, as vehicles no longer get stuck and have to be towed free
- Engagement of the hydrostatic front-axle drive also when in motion
- Proven technology



Reliable. And safe.

In order to maximize safety, you have to minimize the risks. For this purpose, the MAN trucks are equipped with innovative technologies that make daily operation as safe as possible.

There's no stopping MAN traction vehicles, unless you put the brakes on yourself. But when you do, state-of-the-art technology is available. For example, the unique MAN PriTarder® provides an enormous braking power of 600 kW even at low speed (rotation speed dependent). The maintenance-free system can carry The MAN BrakeMatic® with the electronic braking system EBS provides superb braking responses in every situation. Integrated in all-wheel-drive vehicles, the ABS with off-road logic improves the braking effect on unpaved, slippery surfaces. The traction control system (TCS) and the electronic stability program (ESP) contribute to the increased driving safety as standard in 6x4 and 8x4 vehicles. Moreover, since one short moment of distraction can lead to an accident, there's the forward-looking emergency brake-assist (EBA) for MAN TGS and TGX. It warns the driver in advance about impending collisions and gives him valuable time to react. In emergencies, it initiates braking automatically.

➔ Safety is effectively more efficient.

- MAN PriTarder® for high braking power, increased driving safety and reduced wear on the service brake.
- MAN BrakeMatic® with electronic braking system EBS for optimum braking safety.
- Emergency brake-assist (EBA) warns about collisions and brakes automatically in emergency situations.
- ABS with engageable off-road logic for safe braking responses on loose surfaces.



"I feel in good and safe hands in my MAN. It's not just my own safety I'm concerned about, but the safety of the others on the road as well. After all, a truck's not a toy."

Frank Fischer, professional driver

Ready. To roll.

It's often the little things that make a big difference. For that reason, there is a whole series of equipment to optimize the operation and efficiency of MAN trucks.

Let's start from the beginning: A model of functionality is the three-part, and thus particularly repairfriendly, steel bumper with centered towing eye and front step for cleaning the windshield. Optionally, it is also available with a snowplow plate or a fitting for the front crane outrigger as well as two shackles. A good view and a dependable supply of light are provided too: For this purpose, the truck is equipped with a windshield wiper system with pre- and post-rinsing, as well as headlights with a washer system and robust protective grills. From the clever construction access step, it's easy to take a quick look at your cargo. The stoneguard in front of the cooler is a practical option not only offroad, but on-road as well. Sharp curves are a cinch. With the steering brake activated (with 6x4, 6x6H, 8x4 and 8x6H), the rear wheels on the inside of the curve are braked according to how far the steering wheel is turned. This considerably decreases the cornering radius. A 'paver brake' has been designed specifically for the transfer of asphalt to a road paver: It is activated with a button on the driver's console, which introduces a reduced braking pressure, so that the vehicle is pushed forward by the road paver, but does not roll away. The foot brake pedal can be used to brake on steep gradients.

→ Essential details at a glance:

- Three-part steel bumper with towing eye and integrated front step
- A windshield wiper system with pre- and post-rinsing
- Headlights with washer system and protective grills
- Construction access step for checking the cargo
- Stoneguard in front of the cooler
- Steering brake for decreased cornering radius with 6x4 vehicles
- Paver brake



Construction access step with grab rail on roof.

Three-part steel bumper and particularly robust protective grill in front of radiator.



Particularly robust protective headlight grills for use at construction sites.





**EFFICIENCY.
MAXIMIZED.**

Emissions: Euro 6 standard. Efficiency: enormous.

One issue concerns the industry: How will Euro 6 affect the cost-effectiveness? MAN has the answer and puts maximum environmental friendliness on the road – and all other surfaces – without extra consumption.

Trusted engine technology, sophisticated components and perfectly tuned technologies: This is the MAN formula for Euro 6. The core elements are the torquey six-cylinder engines. In order to achieve the extremely low level of emissions, MAN uses the key technologies common-rail injection, exhaustgas recirculation (EGR), selective catalytic reduction (SCR) and diesel particulate filter (DPF/ CRT). The result: MAN engines in Euro 6 set the standards in terms of low fuel consumption and have very low AdBlue® consumption.

The exhaust muffler with integrated CRT filter system and SCR catalytic converter leaves plenty of space for attachments on the side of the frame due to its compact design. There is a muffler position with corresponding space for crane prop legs as well. In order to avoid dust being whirled up during off-road operations, the design with elevated exhaust pipe is available for all series. A partially raised exhaust is available for 8x4, 8x6 and 8x8 chassis.

→ Low emissions, low consumption:

- Efficient exhaust system with proven key technologies
- No increased diesel consumption compared with Euro 5
- Reduced AdBlue® consumption compared with Euro 5
- Highest level of operational safety and reliability
- Exhaust pipe variants for different body types

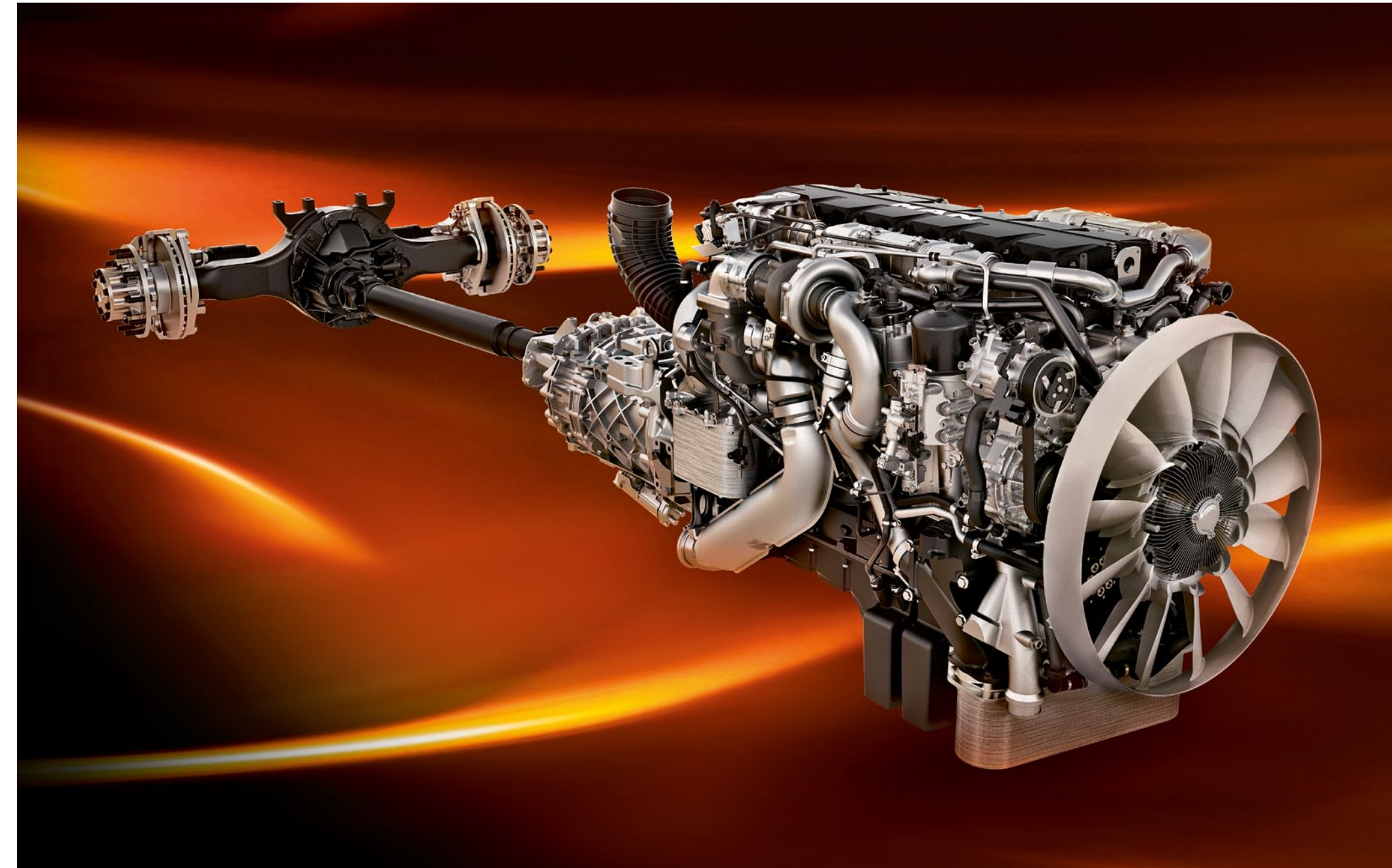
Elevated exhaust.



Compact muffler with CRT filter system and SCR catalytic converter.



Partially raised exhaust



The bottom line: Cost-effectiveness.

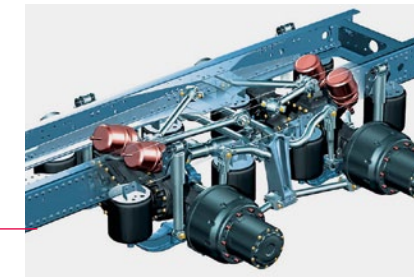
Frame with body-mounting capability, robust chassis, axles and suspension for every requirement: All components are tuned to the highest reliability, safety and efficiency.

Stands out in the crowd: The chassis frame of the MAN traction vehicles has more to offer. More stability, more body-mounting capability, more cost-effectiveness. The completely level frame upper edge makes it easy to fit all types of bodies. This is ensured by the spaces at the frame as well. Whether two-, three- or four-axle vehicles: In MAN traction vehicles the axles are always right for the job. Choose between the low-friction hypoid drive axle and the planetary hub drive axle, which is suitable for off-road operation and offers good ground clearance and high tractive power at the wheels – always rough-and-ready for heavy-duty work.

One of MAN's specialties is the maintenance-free construction air suspension for the planetary tandem-axle unit. With its electronic ECAS level control, it offers very good ride comfort in all load conditions. In order to ensure that the suspension is right for the job, MAN offers a wide range of runninggear variants.

→ Good off-road operation:

- Easy-to-build-on chassis frame without protruding components
- Trouble-free, cost-effective body mounting
- Hypoid or planetary hub drive axles depending on operating profile
- Construction air suspension with ECAS level control for planetary tandem-axle unit



Construction air suspension
at the rear axle with ECAS
electronic level control.



**COMFORT.
BUILT-IN.**



Workplace. Safety.

For construction-site and off-road operations, you have to rely on the driver. Inside the MAN cabs he'll find plenty of space for everything – except compromises – to let him master all challenges with true grit.

Brushed aluminum trims, surfaces of grained plastic, satin chromed door handles: When you climb aboard an MAN, it welcomes you with room design on the highest level. The cockpit is consistently adapted to the driver's requirements and designed for comfortable and safe operability. Using the glare-free LCD display inside the combi-instrument, the driver always has the relevant information within his field of vision. One highlight is the new MAN Media Truck (MMT) Advanced radio, an infotainment system consisting of a large touch screen with color display and optional navigation data as well as a Bluetooth interface + USB/AUX-In.

For ergonomic comfort, a wide selection of seats is available, ranging to air-conditioned seats with air suspension. Practical details like the numerous trays, the washable interior door cladding and the compressed-air connection for easy cleaning add to the ergonomics inside.

→ Climb in and take a seat:

- Stylish ambiance, high-quality materials
- Driver-committed cockpit with glare-free displays and multifunction steering wheel
- Central instrument panel with LCD display and intuitive menu guidance
- Seats with anatomical design and individual adjustability
- Automatic air-conditioning for a perfect interior temperature
- Additional heaters as required

MMT
Advanced radio with
navigation system.



Pull-out insulating
or refrigerator box,
with fold-out table
if required.



Drawers in the
central console.



Washable
door cladding.



Team. Work.

**When it comes to operations where you need space for a whole crew, it's a giant:
The new MAN crew cab for the TGM series is in a class of its own when it comes to space.**

The MAN crew cab comes into play whenever and wherever teamwork is needed. Outfitted with a comfortable four-seat row with three-point seat belts in the rear and with an optional second co-driver's seat, it offers space for up to seven people – and, moreover, ample comfort and functionality.

Even getting in is like moving up: The wide, non-slip and, when requested, illuminated steps are designed for safety. The interior satisfies just about every wish. However, the crew cab has not only interior advantages: The elegant front has the look of the new MAN TG vehicles. Aerodynamic optimization minimizes the fuel consumption and improves the cost-effectiveness.

→ The MAN crew cab – advantages under one roof:

- Comfortable seating space for up to seven people (6+1)
- Four-seat row in the rear with three-point seat belts
- Cockpit and interior design from the TGS
- Robust three-part steel bumper optional
- Optimum illuminated step – Xenon lights and static turning light are optional

Four-seat bench
in the rear.

Optional center seat
with fold-up backrest.





Welcome. Have a safe journey.

When you visit an MAN workshop, it’s usually only a couple of hours between ”welcome“ and ”have a safe journey“. However, in our range of services we offer more than merely a qualified service: we provide all-round care for your MAN Truck.

MAN Services incorporate everything you need to ensure that your vehicles do not encounter problems on the road and that your freight reaches its destination reliably. With MAN service contracts, MAN Card, MAN Mobile24 or MAN Service Complete*, as far as mobility is concerned, you made the right decision when you opted for us. MAN Support presents custom-ized proposals to optimize vehicle use – for higher profitability and increased transport efficiency. Whether it’s MAN TeleMatics® or MAN ProfiDrive® driver training and further training modules, you’ll be surprised what we can do for you. Our all-round services include all aspects of efficiency. MAN Financial Services helps you to remain financially mobile, and enables you to react quickly and achieve additional success with the truck and trailer rental offers.

➔ **More costing reliability – guaranteed:**

- 3-year driveline guarantee or for mileage of 450,000 km for MAN TGX/TGS 4x2 and 6x2
- Additional follow-up guarantee up to 15% cheaper when you sign up for an MAN maintenance contract.

Please contact your MAN partner for further details.

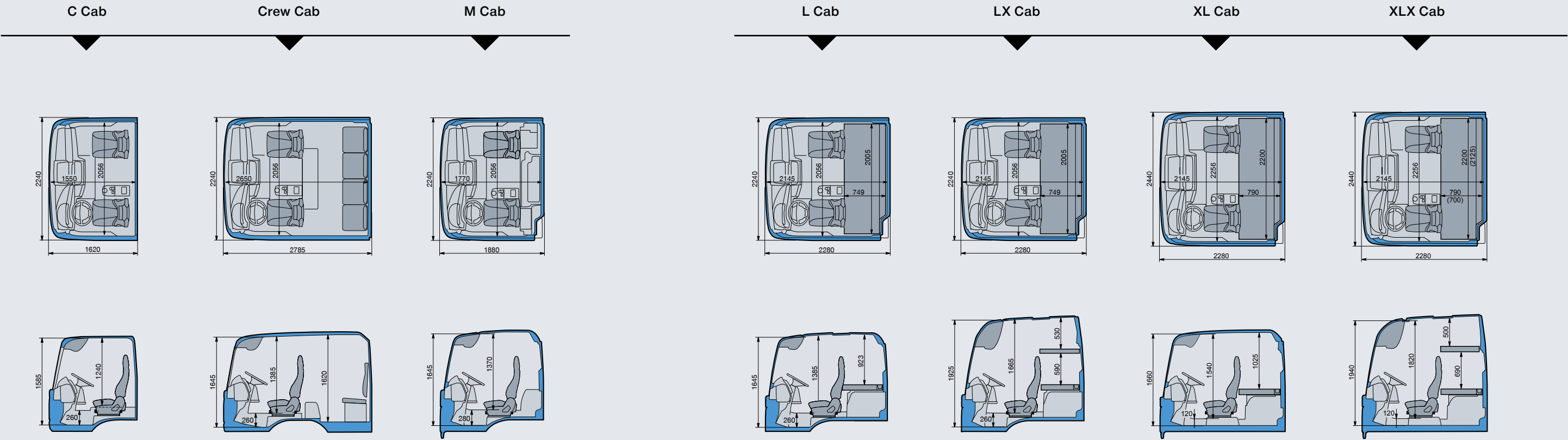
MAN Solutions		
Division	Offer	Performance
MAN Service	Comfort	Maintenance contract
	ComfortPlus	Maintenance contract with driveline guarantee
	ComfortSuper	Maintenance contract and repair contract
	MAN Card	European-wide non-cash payments
MAN Support	TeleMatics®*	Mobile tracking and vehicle management
	ProfiDrive®	Driver training
MAN Financial Services	Financing	Acquisition of property through flexible financing solutions
	Leasing	Budget-friendly leasing models
	Insurance	Insurance solutions for commercial vehicles
	Rental	Vehicles, semitrailers and trailers for all transport needs, Various weight categories with system and body variants Flexible rental periods, Full service with 24 hour hotline
	FullService	Mobility package including MAN Service and/or MAN Support
	MAN ServiceCare®	Proactive Maintenance Management
Additional MAN Services		
	Mobile24	European-wide 24-hour service
	Service Complete*	The complete service for trucks including semitrailers, trailers and bodies
MAN TopUsed	Top used vehicles	Large selection of top-class used vehicles including all models and types (trucks, buses, coaches, trailers, semitrailers and complete tractor vehicles)
		Service portfolio including used-vehicle guarantee and financing Service promises: top quality, top advisory service, top selection, top financing, top service Seal of quality: Checked – Certified – Trusted Vehicle locator at www.man-topused.com

* Not fully available in all European countries.

Free. To choose.

The right cab for every operation – always with the highest level of comfort and ergonomics.

MAN cabs are designed for effortless, concentrated driving and restful recuperation. And of course safety. All cabs comply with the demands of the crash safety standards, satisfy Directive ECE-R29 and offer optimum protection for occupants. Let your requirements decide.



High. Performance.

Whether on the road, on the track or off-road: Having a good trip in traction duties means moving cost-effectively wherever you travel.

The six-cylinder engines with common-rail injection, two-stage turbocharging and cooled exhaust-gas recirculation make more out of every liter of fuel. With ratings from 184 kW (250 hp) to 412 kW* (560 hp), there's sure to be an engine to match your particular task. And among the diversity of axle configurations and drive formulas there's bound to be something to meet your requirements. So take off..

If you would like more information about MAN transport solutions, we will be happy to send you additional product brochures for your industry upon request.

* with the new TGX

Overview of Euro 6 traction segment

Range	TGM	TGM	TGM	TGS	TGS	TGS	TGS	TGX	TGX
Vehicle type	Chassis	Tipper	Mixer	Tractor	Chassis	Tipper	Mixer	Tractor	Chassis
Wheel formula	4x2	4x2	–	4x2	4x2	4x2	–	4x2	–
(H = MAN HydroDrive®)	4 x 4	4 x 4	–	4 x 4H, 4 x 4	4 x 4H, 4 x 4	4 x 4H, 4 x 4	–	4 x 4H	–
		6 x 4	6 x 4	6 x 4H, 6 x 4,	6 x 4H, 6 x 4,	6 x 4,	6 x 4	6 x 4	6 x 4
		–	–	6 x 6H, 6 x 6	6 x 6H, 6 x 6	6 x 6H, 6 x 6	–	–	–
				8 x 4, 8 x 6H,	8 x 4, 8 x 6H,	8 x 4,	–	–	–
				8 x 6, 8 x 8					
Cab	C, L, Doka	C, L	C	L, M, LX	L, M, LX	L, M, LX	L, M	XL, XLX	XL, XLX
Weight in t	13 – 18	13 – 26	26	18 – 33	18 – 41	18 – 41	32 – 41	18 – 33	18 – 33
Engine rating in hp	250,	250,	290, 340	320, 360,	320, 360,	320, 360,	320, 360,	360 – 560	360 – 560
	290, 340	290, 340		400, 440, 480	400, 440, 480	400, 440, 480	400, 440, 480		



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