





# **EXCELLENT DRIVER FIT.**

**PAGES 06-21** 



# GREAT EFFICIENCY AND ECONOMY.

**PAGES 22-27** 



CONNECTED



# OPTIMISED UPTIME.

**PAGES 28-33** 



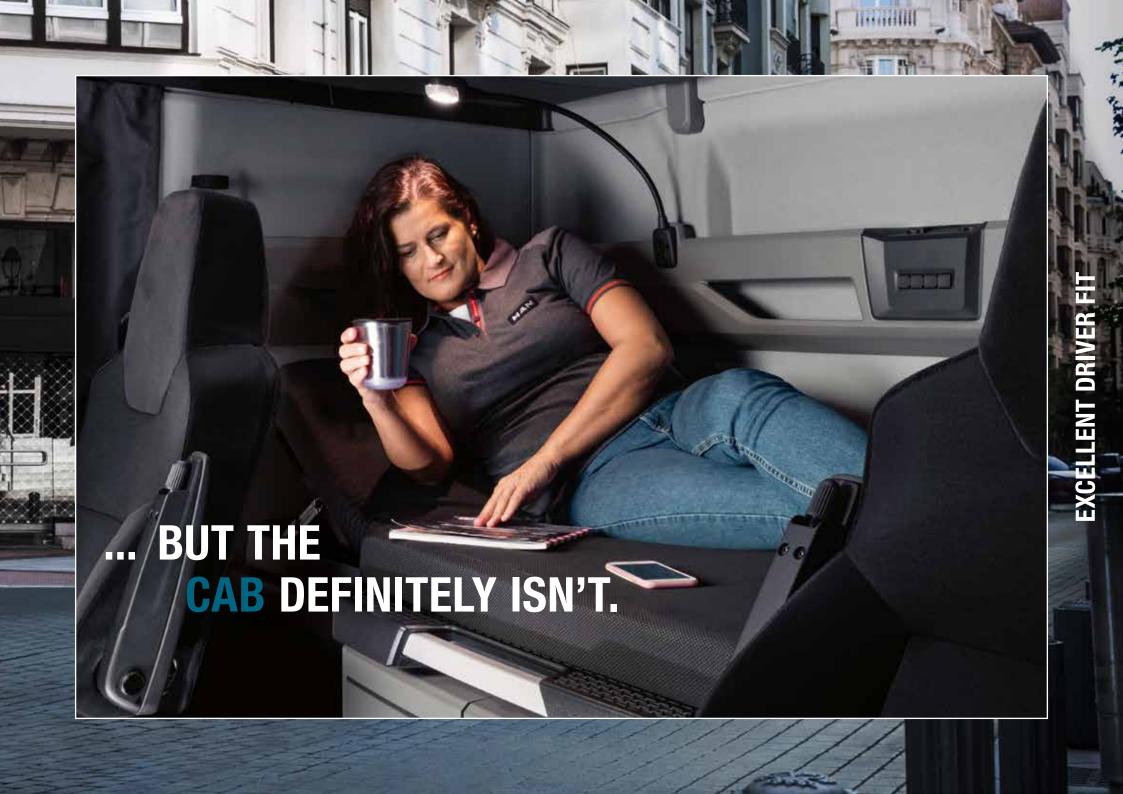
# STRONG PARTNER.

**PAGES 34-39** 

**TRUCK** 

Plus: **SAFETY AND ASSISTANCE SYSTEMS** PAGES 40-43







Innovative MAN SmartSelect multimedia controls



The two spacious storage compartments above the windscreen are ideal for items which need to be easily accessible.

## TOP-CLASS DRIVER'S CAB.

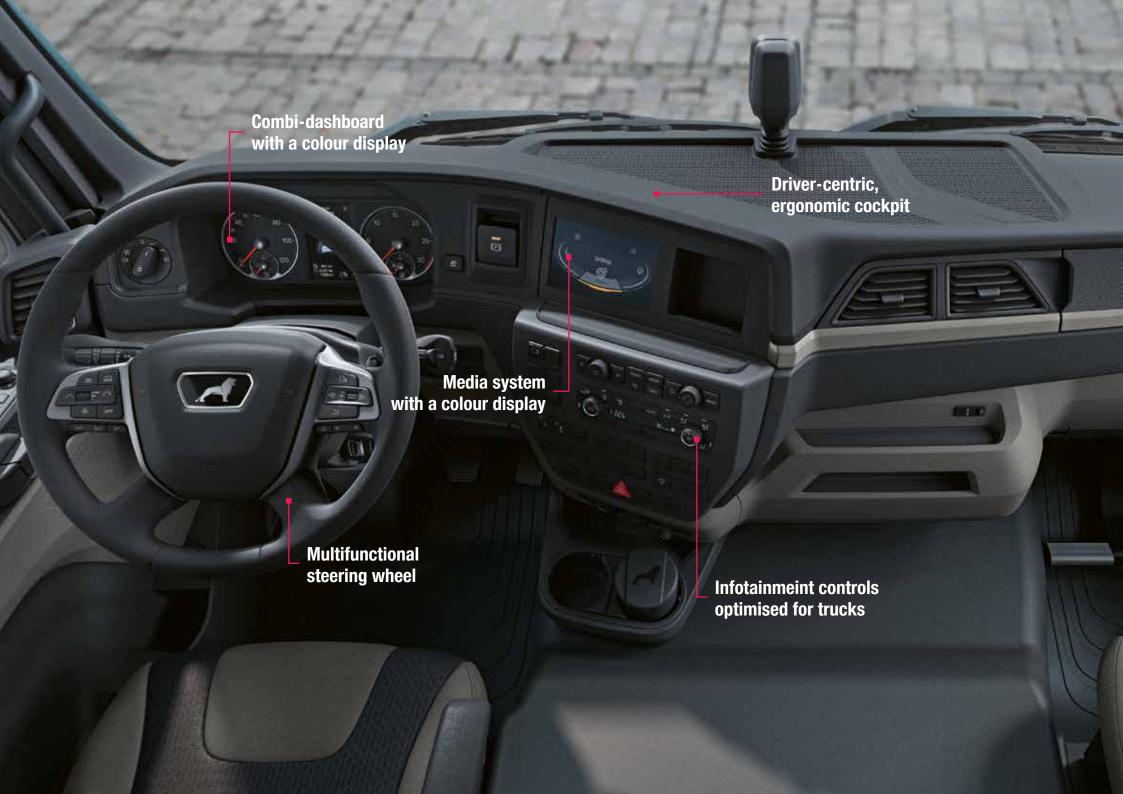
The heart of the new MAN TGM and TGL trucks is the driver's cab. We've reimagined the cab from floor to ceiling – because comfort in the cab means easier workflows and fast completion of your delivery jobs. Ideal conditions for higher driver motivation, and that translates to an investment that pays you daily returns. The completely new controls of the MAN TipMatic® automatic gear shift system situated directly on the steering column stalk is just one example.

The additional room is put to good use in both trucks to integrate stowage space and compartments which make it easier to keep the cab tidy. These range from overhead compartments above the windscreen to various storage solutions in the central area or by the passenger seat.

Depending on the cab version, these compartments, the refrigerator and other drawers come in various sizes. As a result, the cab is always perfectly geared towards drivers' different needs.

One feature is even an absolute first: the trailblazing MAN SmartSelect system, which was developed together with our customers, makes using the multimedia system child's play even in demanding driving situations. Here, too, comfort was our inspiration for eliminating the touchscreen. With MAN SmartSelect, functions such as maps, music, cameras and more can be selected via a user-friendly dial with hand rest. There's so much more to discover in our new driver's cabs, so get in, get comfortable and enjoy all the new possibilities.

The new MAN TGM and TGL offer exactly the support you and your drivers are looking for: the video turn support and 360° camera system, adaptive cruise control (ACC), lane departure warning (LDW), lane return assist and many other safety and assistance systems all help prevent or mitigate accidents, which often lead to expensive damages and a great deal of lost time. Read more in the chapter SAFETY AND ASSISTANCE SYSTEMS.



## **ERGONOMICS START WITH**THE VERY FIRST STEP.

The ergonomic entry design of the MAN TGM and TGL trucks a pleasant start to the day. As the entrance is positioned in the middle of the door area, the driver can get into the vehicle in an upright position. The access ladder is designed as a stair so you have all steps in view. On entering the vehicle, the new design ensures extra comfort, and it offers better safety, too. Thanks to entry lighting, the steps and surroundings are visible at any time of day and in any weather conditions as soon as you open the door. For all this, we didn't forget the little things either: an entrance optimised especially for off-road work and that features steps with a non-slip surface and a lattice structure, washable interior door panelling and a compressed air supply. This way sand, mud and gravel can quickly be shown back out the door. In addition to ensuring your truck makes a positive impression visually, breaks feel all that much better, too.

That said, we developed the MAN EasyControl system specifically to help you avoid getting in and out when you don't have to. Within the driver-side door there are

four controls that can be easily accessed from outside the vehicle. Depending on your configuration, they come preprogrammed with the key functions or can even be implemented according to individual needs.

Once in the cab, you have a variety of driver's seats to choose from, each ready to welcome your particular build. There is a larger range of backrest adjustment options for drivers of all sizes. The passenger seat as well features highly ergonomic design and its own range of individual adjustment possibilities. The Vario seat is especially space-saving: when it's not needed, thanks to its Cinema function, it can simply be folded away.

Even the steering wheel has been given greater flexibil-ity: for the resting position, the steering wheel can be tilted forward to a horizontal position by the driver, and in action as well, it can be given as steep an angle as that of an average passenger car. The result is a work-place that bends over not only backwards, but forwards and sideways as well, to suit. So the driver doesn't have to.

MAN EasyControl: four control buttons reachable from outside the vehicle for maximum comfort.





# WITH MAN YOU CAN TAKE A LOAD OFF.



Perfect for independent types: on-board coolbox/fridge

Everything has to come to rest at some point. A good atmosphere. A cosy environment. In the sleeping area of the new MAN TGL and TGM that's exactly what you'll find. In the extended cab models TM and TN, a multizone cold-foam mattress and a slatted frame ensure comfort for well-deserved shut-eye and peaceful dreams. Personal items have their spot too in the many, customisable stowage compartments.

The bed is so comfy, you might want to stay just where you are. And you can, too, since all important functions can be operated and monitored right from the remote control. Lights, locks, heating, windows – all a simple push of a button away. Just like the radio, music, the perimeter camera and important data on the battery's current status or driving times. The infotainment system can also be conveniently

operated via the MAN Driver app. Breaks and sleeping times can therefore be used optimally so that you're well rested and ready to take on upcoming challenges.

In our cabs an auxiliary water heater provides pleasant temperature and air condition. For the TN and TM cabs an electrical auxiliary air-conditioning system (as an option) is ready for use.

The electric air conditioner works without a cold reservoir, which would have to be charged during vehicle operation, and is thus ready for use at any time. Even in summer it can keep things refreshingly cool for up to 11 hours. While the truck is on the road, MAN Climatronic maintains the chosen temperature fully automatically. Comfortable temperature zones in the cab are assured as well, as the foot area and

the head area are controlled separately. Perfect for keeping your head cool but your toes toasty. Noise and lights are kindly asked to stay away, however.

To create the perfect feel-good environment, the entire interior can be tailored to suit you down to the ground. From the colour scheme (Desert Beige or Moon Grey) to the storage space in the cab and even the interior lighting, everything can be customised to your needs – while maintaining a clear focus on the functionality which will never let you down.

## **EVERYTHING IN ORDER.**

The traffic situation on city roads as well as for long distances is becoming ever more demanding and complex. And when off-road, you're always facing new challenges that call for a driver's full concentration. It was all the more important to us then to make the cockpit as driver-friendly and organised as possible. Displays and controls are now separated from one another spatially. Reading distances and reachability are thus ergonomically optimised: data is set at a farther distance, making it easier to grasp, functions are colour-coded, and buttons and switches are within easy reach. The focus is clearly set on the most important areas. The driver's view can easily go between the road and the instruments, without fear of distraction. Just another MAN contribution to making drivers' lives less complicated and less tiring.

The controls for the MAN media system and MAN SmartSelect are simple to use. All of the displays and controls throughout the vehicle follow a single concept. Symbols, colours, usage, alert and warning sounds as well as design are consistent throughout the cockpit. The quick-selection keys are individually programmable and accelerate workflows. Not to mention notices can be played in any of 30 different languages. For voice command operation, a choice of six languages is offered. All of it intuitive to use. After all, the controls – and especially the cutting-edge digital components – were developed by drivers for drivers. This way the driver can see to the truly important things: the cargo and the transport.

Theory times experience: the controls for the new MAN TGM and TGL are the result of combining the latest scientific analyses with insights from intensive on-road tests with drivers.

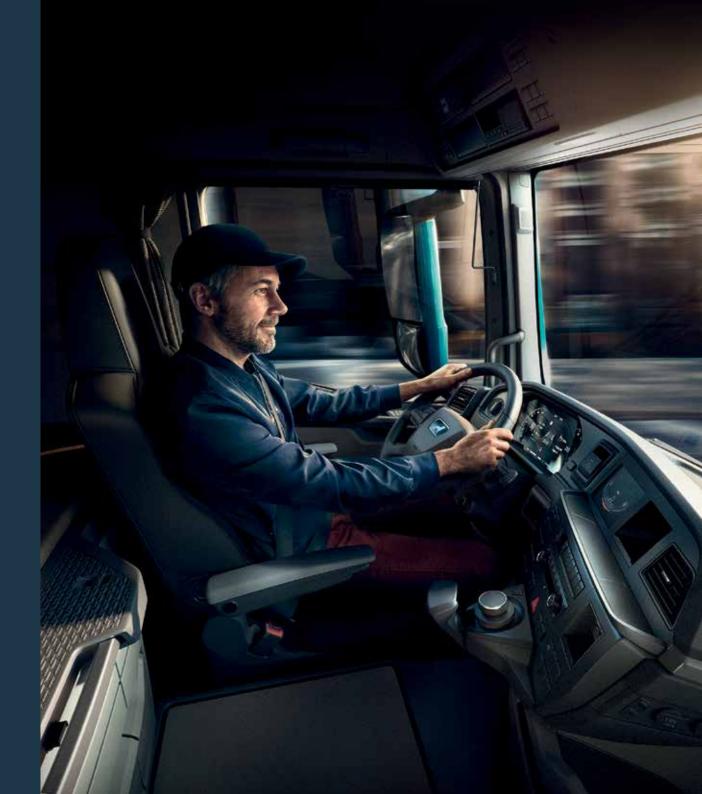


Freely programmable direct access buttons fitted with touch sensors



# EVERYTHING UNDER CONTROL.

Fully redeveloped, the gear controls for the automatic transmission have been placed in the right-hand steering column stalk. That not only frees up space between the seats, as the usual console between the seats is no longer needed, but also improves ergonomics and safety. Close at hand as well – to the right of the combi-dashboard – is the control for the electric handbrake. This means it is optimally positioned with respect to gear controls and the ignition. It can be operated at any time but is now also automatically activated when the vehicle is parked and released when it moves off.



## DRIVING SMART.

With navigation, radio (from standard to digital), video, telephone and more tailored to trucks, the infotainment system of the new MAN TGM and TGL is a communication and multimedia hub. It is available in five different variants, from entry-level to Navigation Professional. The 7-inch or 12.3-inch display - both with brilliant HD resolution - makes for great viewing. Direct access buttons and a USB input connection are part of the standard fittings, and from Advanced level up to two smartphones can be paired.

The infotainment system can be operated either via a classic control system with buttons or via MAN SmartSelect (can be combined from version Advanced 7 inch). Throughout, familiar usage meets innovative comfort. The result is one you can see and feel, too, as high-quality surfaces make every journey with the new MAN TGM and TGL tangibly special.



Infotainment system with 12-inch display and MAN SmartSelect



Infotainment system with 12-inch display and control system below the secondary display



Infotainment system with 7-inch display and MAN SmartSelect

# MAN PUTS SAFETY FIRST, EVERY TIME.

MAN has the right cab for every need – and maximum safety, comfort and ergonomics travel with you wherever you go. Our cabs are designed for fatigue-free, focussed driving, relaxing breaks and maximum passenger protection. All of the cabs offer optimum safety thanks to a range of features, including the mirror system comprising main and wide-angle mirror, large kerb mirror and front mirror. The blind spot has practically been eliminated. The heated windscreen (as an option) ensures an unobstructed view even at the coldest times of the year.

## FANTASTIC FOURSOME.









	CAB TM: THE COMFY ONE	CAB TN: THE FLEXIBLE ONE	CAB CC: THE COMPACT ONE	CAB DN: THE CREW CAB
	(narrow, long, medium height)	(narrow, long, standard height)	(narrow, short, standard height)	
W × L (mm)	2,240 x 2,280	2,240 x 2,280	2,240 x 1,620	2,240 x 2,790
SLEEPING FACILITIES	2	1	-	-
SEGMENT	Heavy-load special uses in national long-haul transport	Local and distribution transport, off-road transport	Local and distribution transport, off-road transport	Construction transport, municipal services
BENEFITS AT A GLANCE	<ul> <li>2 sleeping spaces</li> <li>Capacious exterior storage compartment</li> <li>Expanded standing space in through access</li> </ul>	<ul> <li>1 sleeping space</li> <li>Capacious exterior storage compartment</li> <li>Expanded standing space in through access</li> </ul>	<ul><li>Comfortable height</li><li>3rd seat possible</li><li>New additional storage spaces in midsection</li></ul>	<ul><li>6 (optionally 7) seats</li><li>Comfortable height</li></ul>





Second passenger seat for the MAN crew cab

# **PACKED WITH**

In deployments that require space for a whole crew, it's in a size class of its own: the MAN crew cab for the new MAN TGM and TGL trucks takes you into new dimensions.

The MAN crew cab comes into play whenever teamwork is a must. Equipped with a comfortable row of four rear seats featuring three-point seat belts and an optional second passenger seat, it offers space for up to seven people as well as maximum convenience and functionality.

Even the stair unit represents a step up: the wide, non-slip steps, optionally available with lighting, are designed for safety. The internal fittings have everything covered, too. The crew cab is not just a practical option, though: its elegant front is designed in the same style as the new MAN TG trucks. Aerodynamically optimised features minimise fuel consumption and improve cost-effectiveness.







## **HIGH PERFORMERS.**

If you want to get to the top, you need drive and efficiently deployed strength. MAN offers the tried-and-tested MAN D08 engine for the new MAN TGL and TGM trucks. This high performer brings efficiency and trusted MAN reliability to make your new truck a strong and cost-transparent member of your business for a long time to come. In particular, thanks to SCR and optimised thermal management, all the MAN engines are ideally prepared for the stricter emissions limits of Euro 6d.

Strong on performance and light on emissions? Here, enhancing motor efficiency was the top priority. With the new vehicles, MAN proves you can in fact have it both ways. However, at the end of the day, what really counts is how much cargo can be transported from A to B.

Furthermore, we also have a variety of digital tools ready and waiting to help you get the most out of our highperformance engines at all times. With MAN Perform, we provide you with driver-specific data you can use to assess and improve driving performance, for instance with regard to cost-effectiveness.

As support for every journey, we also offer the MAN EfficientCruise® service. This GPS-based speed control system analyses the route and automatically determines the most cost-effective driving style and speed. A brand-new aspect is the fact that it can now take into consideration the route selected in the navigation system as well as applicable speed limits. Just one of the many MAN ideas to help you get your business where it wants to be.

# THE MAN TGM AND TGL ARE EVEN INNOVATIVE WHEN THEY'RE STANDING STILL.

With their innovative braking technologies, MAN trucks make everyday driving as safe as possible. The EBS electronic brake system enhances braking performance, whatever the situation, while the off-road ABS function improves braking on unpaved and slippery surfaces if necessary. Meanwhile, the traction control system and the electronic stability program (ESP) help to make driving safer as standard.

As even a brief moment of distraction can lead to an accident, MAN has also developed the anticipatory emergency brake assist (EBA). It gives drivers an advance warning of impending collisions, providing them with valuable time to react. In an emergency, it even initiates braking itself.





## TRACTION MATTERS.

In the off-road segment, often jobs don't just cover good roads, but involve unmade tracks and uneven terrain as well. Efficiency is a prime consideration here too.

Thanks to the two innovative MAN all-wheel drives, the new MAN TGL and TGM trucks can handle a wide range of transport jobs off tarmacked roads. Depending on the uses you have in mind, there are two versions to choose from.

#### Engageable mechanical all-wheel drive

- For occasional use on challenging terrain where high traction and good axle articulation are needed
- Traction jobs that are lengthy or require higher speeds

#### Permanent mechanical all-wheel drive

- Permanent front-axle drive with longitudinal differential
- For those who frequently need high traction and limited axle articulation
- The permanent all-wheel drive is recommended for longer jobs on relatively flat surfaces where grip changes substantially (e.g. winter service)





# WORKING NON-STOP.

Only a truck that runs is a good truck. Unplanned downtime and the associated loss of time and earnings are something we'd all like to do away with for good. The MAN TGL and TGM have got your back there too. Right from day one, they bring the ultimate quality synonymous with MAN to their work. So much so that it's hard to get it to stop. If you need us, however, we're ready and waiting. When you're at a standstill, we will get you back on track as quickly as possible. We will move heaven and earth to keep you mobile. In short, where there's a MAN employee, there's a way.

MAN ServiceCare, for instance, impresses with its forward-looking planning and smart bundling of service appointments. Proactive servicing management is part of MAN DigitalServices and informs the workshop ahead of time if vehicle analyses indicate action is needed. You are then contacted by email and can arrange a service appointment even before downtime occurs. When it comes to financing, too, you can rely on MAN: MAN Financial Services supports your needs and makes sure you stay mobile. You can even cover bottlenecks and react flexibly to higher demand thanks to truck leasing from MAN Rental. We've got it covered, so that your head stays clear for the road in front.



## RELIABLE, AGAIN.

This news bears repeating: the TÜV report on utility vehicles has again confirmed that the MAN trucks offer impressively high quality. In particular when it comes to long-term reliability, our fleet of four- and five-year-old trucks occupied top spots. Our previous awards have only served to whet our appetite to do even better. Successfully so, too, as the share of defect-free vehicles in the main inspections rose yet again. Our reliability rests on many

components. The first is our continuously growing LED range for the lighting systems of the vehicle.

Another is our dedication to the little things. For instance, when it comes to the electricity supply of the new MAN TGM and TGL we pride ourselves on laying not one wire more than your configuration needs. The wires themselves are now protected by even more flexible and elastic materi-

als, and the number of joints has been cut. We also reduced the wire thickness overall, which in turn means less weight and more available load capacity. The new modular wiring concept offers additional advantages by allowing customer requests to be easily incorporated and enabling quick repairs thanks to prefab sets. Together, the result is shorter downtimes and a vehicle electrical system with higher performance overall.

## THE FASTEST WAY IS THE

## **INFORMATION HIGHWAY.**

Regular servicing is the alpha and the omega. Repairs can be completed faster, and optimally configured vehicle technology even enables fuel consumption to be decreased. We'd be glad to take care of the organisation details for you with MAN ServiceCare. To start with, your vehicles' data is transferred online to the MAN servicing data portal in accordance with the digital services you have booked. Using this as a basis, your service point plans all required maintenance, informs you via telephone of upcoming appointments and coordinates implementation together with you. That way, you can concentrate on your core business and we make sure all your vehicles are ready for anything.

When you're on the move, fast and easy communication is the best way to keep your business running. Here our MAN Driver app is your partner. Thanks to its MAN service point search and its control lamp and switch direct identifi-

cation function via visual symbol recognition (quick manual), you have a MAN professional in your pocket wherever you go. Before departure, the driver can use the app's checklist to document, sign and save a record of vehicle damage and other defects. The damage noted in the pre-departure check can be viewed on the RIO platform by the fleet manager, downloaded as a PDF and – via MAN ServiceCare – sent directly to the correct MAN service point. If the worst comes to the worst, all information and images can be sent directly to the fleet manager and the MAN Mobile24 mobility service can be activated. Via our mobility service, you can communicate your exact location and track arrival of assistance.

For those who would like even more service, MAN also offers service agreements. Depending on your package, we take on maintenance or even additionally repairs for you – at a fixed price you can count on.





# OPEN ROADS AHEAD FOR WHATEVER YOU NEED.

The roads have enough congestion as it is. At MAN, your needs have a fast-lane pass. We keep our availability high so that you always have all your options open. Appointments are scheduled quickly and flexibly, your MAN service partner is available from early until late and via the MAN Mobile24 mobility service, you can reach us round the clock in 28 different countries. Your customers don't wait: which is why we're there for you whatever you need, whenever you need us.

80% of all relevant replacement parts are available at all times in our workshops, and 95% at the latest on the following day.

Special parts can be supplied within a week. If it's long waits you're looking for, however, we can't help you there.





## **NEXT EXIT:**

## MAN.

Wherever the road takes you, our solutions are just around the corner. We're available at 1,700 service points worldwide, from early until late. We are always up to date and know what's driving you: with systematic analysis of vehicle data and customer enquiries as our basis we're always striving to develop new future-oriented digital solutions. Continually transmitted vehicle data and intelligent data analyses are the foundation for the ever expanding range of exclusive and customer-tailored digital solutions: solutions that enable you to get the most out of your new MAN truck no matter whether you're the driver, fleet manager or business partner!

In short, your challenges are our challenges and we're always working on modern and tailored answers to your questions even before you've asked them. Personal, competent and according to your priorities.





## TECHNOLOGY BACKED BY A WHOLE LOAD OF EXPERIENCE.

MAN has been making utility vehicles for no less than 105 years. During this success story, we have developed new solutions for our clients non-stop. Over the years, we have never lost touch with our uncompromising MAN reliability, knowledge of what really matters to hauliers, and our passion for trucks which drives us to keep improving again and again.

Conditions on the roads are constantly changing – and so too the needs of the people who cover many a kilometre on them every day. As MAN is committed exclusively to utility vehicles, we know the challenges that the ever-increasing volumes of transport and traffic bring. And because we love technology we're always working on new game-changing ideas. That is what makes us a strong and visionary partner at your side. A truck life long.



### **BUILT TO TAKE YOU THERE.**

A truck without a body is like an operating system without user programs. Only when you find the perfect combination of a truck unit and a body or trailer do you have a tool that helps you to breeze through day-to-day business challenges. The frame concept makes it especially easy to mount attachments and bodies quickly and cost-effectively. Whichever body you choose, the MAN TGM and TGL boast excellent handling, thanks in part to the low-friction, low-noise hypoid axles and cleverly designed chassis. In addition to tried-and-tested parabolic leaf springs, the ECAS air suspension guarantees outstanding ride comfort and stability. For instance, it is easy to adjust the level to different loading bay heights using a hand-held controller.

Along with the established fittings and technical features for connecting the body, the new MAN TGM and TGL come with the following innovations:

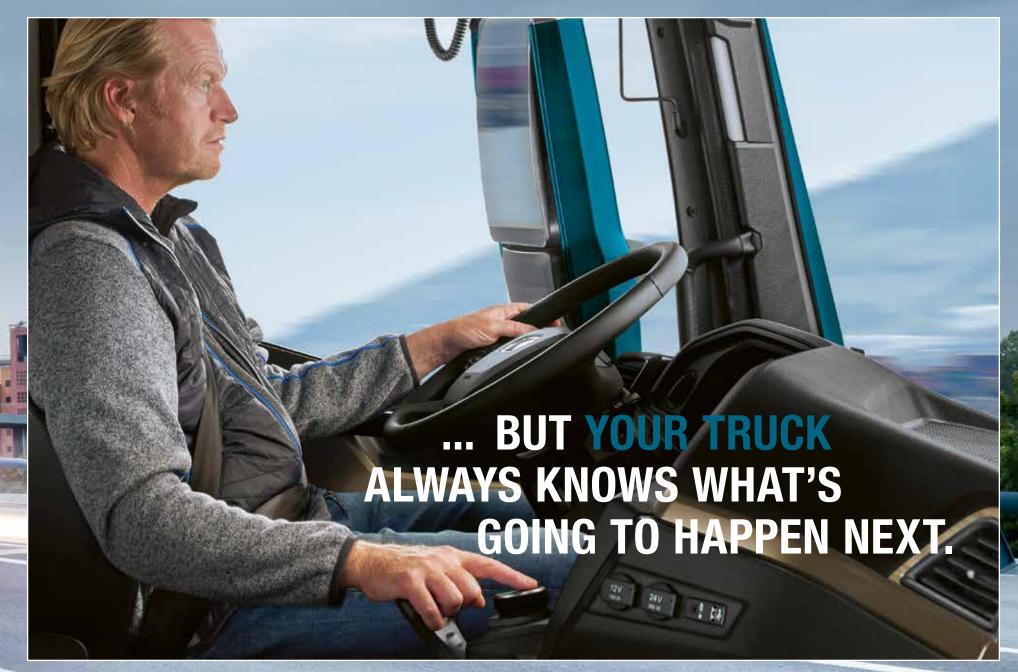
- Exclusive panel of switches for body-related functions on the dashboard
- Electrical and electronic interfaces for sharing data with the body now optionally available behind the cab as well as in the usual position behind the engine hood
- MAN media system with the option of integrating thirdparty apps with body builder functionality
- The frame is connected in the same way as on the previous generation: existing body concepts can be utilised without any adjustments

Furthermore, the body manufacturer can be incorporated into the technical development environment and business processes of MAN. This is a central pillar of our body compatibility philosophy. The body builder portal ABBI (www.abbi.man-mn.com) is one way in which we do this. A fast source of information, it allows the delivery of the complete vehicle to be planned and calculated with greater precision and certainty. The Bodybuilder website also supports a smooth process involving both MAN and the body manufacturers.

Find out more:

www.abbi.man-mn.com





## THE MAN SAFETY AND ASSISTANCE SYSTEMS.

#### Lane departure warning (LDW)

An acoustic signal warns the driver if they drift out of their lane. Available on demand in a version that cannot be switched off.

#### Lane return assist (LRA)

If the truck departs from its lane, corrective steering guides the vehicle back. The vehicle is automatically steered until it reaches the normal lane position; it is not kept in its lane continuously.

#### MAN AttentionGuard

The number of lane departures and steering interventions is continually analysed and conclusions are drawn about whether the driver is fit to drive. AttentionGuard is based on the assumption that the driver's ability to keep the vehicle well within the lane falls when their attention wanes.

#### Emergency brake assist (EBA)

Warns the driver of an impending collision and brakes automatically if necessary. Available on demand in a version that cannot be switched off.

#### Adaptive cruise control (ACC)

Automatic acceleration and braking keep the truck at a constant, safe distance from the vehicle in front.

#### High-beam assist

Depending on the driving situation, high-beam assist optimises use of the main beam. It prevents the drivers of oncoming vehicles or vehicles in front from being dazzled by automatically dipping the headlights.

#### Video turning system\*

The video turning system uses integrated cameras to assist the driver when turning. It makes it easier for the driver to see the area with limited visibility alongside the truck (passenger side). The system is activated automatically when the right indicator is used or can be switched on manually via a control on the dashboard.

#### 360° camera system (BirdView)\*

The camera system offering a live,  $360^{\circ}$  view from above shows a seamless image of up to four metres around vehicles with a fixed body (e.g. fire engines, beverage delivery trucks or waste collectors). Stitching and blending technology is used to combine the images captured by four cameras (front, rear, left, right) to create a bird's-eye view. A special feature of the system is that it automatically selects which images to display based on the driving situation when the driver is manoeuvring ( $\leq 40 \text{ km/h}$ ), an indicator is operated (changing lane) or the truck is reversing.



#### Update March 2021

Some of the features illustrated in this brochure are not part of the production series generally described here.

Both the vehicle's air conditioning system and refrigerator contain fluorinated greenhouse gases (R134a / GWP 1430 with up to 1.15 kg; 1.6445 t CO<sub>2</sub> accordingly).

#### MAN Truck & Bus SE

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D111.3645/E · pe 03215 · Printed in Germany
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