



## **MAN eTGE – Zero Emissions for Customers**

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- **MAN eTGE to be mass-produced from July onwards**
- **MAN eTGE for use in urban areas**

**MAN is now selling a fully electric van, another step forwards in the direction of zero-emission metropolitan areas. The MAN eTGE will meet the demand for future distribution and freight transport in urban areas with its electric motor. Providing a range of up to 160 kilometres and a payload of 950 to 1,700 kilograms, the electric MAN TGE is ideally equipped for these tasks, depending on the type approval (3.5 or 4.25 tonnes).**

For around ten years, MAN Truck & Bus has been working on innovative concepts for supplying and removing material in the urban environment. Cities increasingly find themselves faced with the challenge of reconciling a healthy climate and their inhabitants' quality-of-life demands with the transport of goods and deliveries in central urban areas. This problem involves developing ideas for reducing traffic at specific times and relocating it out of the city altogether, new approaches to the use of land, plus new transport and drive concepts. In view of this situation, MAN Truck & Bus has put forward a wide variety of ideas and studies from the truck and bus sectors in recent years. Advancing these ideas consistently, the sales of MAN's first fully electric-powered production vehicle are now underway with the eTGE.

Around 70 percent of light commercial vehicles used in urban areas travel fewer than 100 kilometres per day on average. The average speed reached during this is low. With this in mind, the vehicle's theoretical range of up to 160 kilometres covers about three-quarters of all urban-core transport. Sooner or later, as with mobile phones, it will be completely normal to plug a fully electric vehicle in to charge for the coming day – usually overnight.

**MAN Truck & Bus**  
Dachauer Straße 667  
D-80995 Munich

**Should any questions arise,  
please contact:**  
Nikolas Waldura  
Phone: +49 89 1580-2001  
[Presse-man@man.eu](mailto:Presse-man@man.eu)  
[www.mantruckandbus.com/press](http://www.mantruckandbus.com/press)

MAN Truck & Bus is one of Europe's leading commercial vehicle manufacturers and transport solution providers, with an annual revenue of some 9 billion euros (2016). The company's product portfolio includes vans, trucks, buses/coaches and diesel and gas engines along with services related to passenger and cargo transport. MAN Truck & Bus is a company of Volkswagen Truck & Bus GmbH and employs more than 35,000 people worldwide.



Charging times vary. A 40 kW charging station fills a battery up to 80 percent in 45 minutes. The MAN eTGE can be restored to full operational capacity after just under five and a half hours on an alternating current wallbox. Approximately nine hours are needed for a full charge with 220V AC. With the relevant battery maintenance, the 36 kWh rechargeable battery only loses around 15 percent of its capacity after ten years and around 2,000 charging cycles. Especially since individual modules of six or twelve cells can be replaced separately. The modules are located under the slightly higher load floor, as used for rear-wheel drive body versions with diesel engines.

The choice made for the electric front-wheel drive TGE was a permanently excited synchronous motor with 100 kW maximum available power. It has 290 Nm of torque at its immediate disposal, which can also be used over the entire speed range, ensuring highly agile handling. Combined with the maximum speed of 90 km/h, this results in fuel consumption of around 20 kWh per 100 kilometres.

In addition to the carrying capacity, the assistance systems have also remained unaffected by the electric technology. The eTGE comes with a comprehensive range of built-in standard equipment, including a navigation system, heated windscreen and other features that help to make driving easier and safer. Naturally, as with all TGEs, the emergency brake assist (EBA) continues to be installed as standard.

In the initial phase of the roll-out, the MAN eTGE can be ordered with the standard wheelbase and high roof. The product line is primarily aimed at fleet customers with a tailored service concept to tend to their needs. Initial customer enquiries and signed sales contracts have already been made for the MAN eTGE, which costs around €69,500. The first electric-powered vans from MAN are to be used for the first time in metropolitan areas of Germany, Austria, Belgium, France, Norway and the Netherlands.