



## **Efficiency confirmed in TÜV test drive: New MAN Truck Generation saves up to 8.2 % fuel**

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**In February, MAN presented its new truck generation to public. In addition to the unique focus on the driver with a new operating concept, fuel efficiency was a top priority in their development. New concepts in the drivetrain, aerodynamics and the MAN EfficientCruise efficiency assistant make the new MAN Truck Generation even more economical by up to 8.2 % than the previous generation of vehicles. TÜV Süd has now confirmed this savings potential in a test drive.**

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- **TÜV test drive confirms fuel savings of up to 8.2 % for the new MAN Truck Generation**
- **New MAN Truck generation even more fuel-efficient than previous series**
- **Innovations in driveline, aerodynamics and MAN EfficientCruise make the new truck generation particularly economical**

After a total of 684 kilometres, the result was clear: the new MAN TGX 18.470 Euro 6d required an average of 8.2 % less fuel on the 342 km of motorway and country road test distance driven twice in succession compared with the MAN TGX 18.460, the previous version with Euro-6c-engine-generation. To actually compare the pure vehicle performance, the test vehicles exchanged trailer and driver between the two tours. The profile of the normal motorway course matched 90 % of the distances travelled in European long-distance traffic. The concrete savings achieved in the TÜV test thus confirm the savings potential of the new truck generation as forecast by MAN. "Low overall vehicle costs are decisive for the success of our customers. We have consistently developed the new MAN Truck Generation with a view to maximum efficiency and economy - and we have fully achieved our goals! We are very pleased that this was also confirmed in a test conducted by an independent testing organization. A big thank you to our entire team - great achievement," said Dr. Frederik Zohm, Executive Board member for Research and Development at MAN Truck & Bus, commenting on the test drive result.

MAN Truck & Bus is one of Europe's leading commercial vehicle manufacturers and transport solution providers, with an annual revenue of some 11 billion euros (2019). 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 TRATON SE and employs more than 37,000 people worldwide.



And Göran Nyberg, Board Member for Sales and Marketing, adds: "With the new truck generation we are fulfilling our brand promise of 'Simplifying Business' in the best possible way. We focus on the driver as well as the fleet operator, both of whom benefit from the many innovations.

### **Drive train with new efficiency-optimized axle drive**

The basis for the further improvement in efficiency compared with the previous generation is the numerous technical innovations and concept improvements with which the new MAN Truck Generation is being introduced. In terms of the driveline, this includes not only the particularly economical Euro-6d-engine-generation but also the new efficiency-optimised hypoid axle drive with a particularly long axle ratio of 2.31. Especially for use in fuel-sensitive long-haul transport, together with the MAN TipMatic transmission it ideally complements the D26 Euro 6d engine with its single-stage turbocharging, reduced exhaust gas recirculation and increased thermodynamic efficiency for greater efficiency even at higher engine speeds to create a particularly fuel-efficient driveline.

### **"Dynamic sailing" with the new MAN EfficientCruise**

With the ideally matched drive configuration, the GPS cruise control MAN EfficientCruise also unfolds its full potential, offering even more extensive functions with the new MAN Truck Generation. This includes "dynamic sailing", which keeps the engine in the fuel-efficient load range in flat terrain by constantly alternating between accelerating and rolling the vehicle, thus saving fuel. MAN has also optimised the ACC distance control system to make the best possible use of rolling phases. For example, the system keeps a greater distance from the vehicle in front before a hilltop so that it can roll unhindered for as long as possible on the subsequent gradient. The new MAN EfficientCruise also takes greater account than before of route-related traffic infrastructure such as roundabouts and fixed speed limits in order to reduce power output early on and thus make driving even more efficient.

### **Aerodynamics - new design for better efficiency**

In addition to the drivetrain and MAN EfficientCruise, aerodynamics play an important role in reducing fuel consumption in the new MAN Truck Generation. For example, slimmer exterior mirrors ensure a reduced frontal area and air deflectors on the front flap improve air flow to the radiator and engine compartment. The extension of these wind deflectors over the doors, calm the lateral flow and at the same time reduce the pollution in this area. The so-called air curtain at the corners of the bumper optimises the flow around



and through the entrance area. New roof spoilers and sideflaps ideally complete the conduction of the air flow from truck to trailer.

**MAN DigitalServices help drivers and companies save money**

To fully exploit the confirmed savings potential of the new MAN truck generation of up to 8.2% in everyday transport operations, the driver must know how the innovative technologies work and how to use them. MAN offers helpful digital services for this purpose. Every vehicle is equipped as standard with MAN Essentials, which provides the essential vehicle information and enables basic evaluation of driving data. Building on this, the optional MAN Perform offers a meaningful efficiency analysis, which in turn lays the foundation for the MAN Connected CoDriver, a personal remote coaching for the driver - directly "on the job" at his workplace. This means that the full savings potential of the new MAN Truck Generation can be quickly and easily used by drivers and entrepreneurs.

P\_EOT\_New MAN\_TG\_TÜV\_consumption\_1:

TÜV test confirms up to 8.2 % fuel savings for the new MAN Truck Generation

P\_EOT\_New MAN\_TG\_TÜV\_consumption\_2:

New MAN Truck Generation again up to 8.2 % more fuel-efficient than previous series