



## **InnoTrans: MAN Engines showcasing D3876 diesel engine for EU Stage V locomotives without exhaust after-treatment systems**

Munich, 17.09.2018

**Can be used worldwide; low fuel consumption; expertise from truck and agricultural technology sectors applied**

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

At InnoTrans 2018 – the International Trade Fair for Transport Technology – MAN Engines is exhibiting the D3876 LE63x for locomotives, which produces 471 kW (632 hp) at 1,800 rpm. One of its outstanding features is the in-line six, which meets the EU Stage V emission standard for locomotives without the need for an exhaust after-treatment system (EATS). This means that a single technical solution equally covers emission requirements for all currently recognised emissions threshold values up to EU Stage V. “As a result of not including an EATS, our engines can be used all around the world – whether at EU Stage V or in less strictly regulated markets. This provides a clear benefit for customers in terms of global vehicle sales and giving vehicles a second life,” says Lorenz Panknin, Head of Rail Sales at MAN Engines. There are also advantages for operators working in situations involving large proportions of light loads, as they can increase technical operational reliability while enjoying low overall operating costs.

**Should any questions arise, please contact:**  
Florian Schaffelhofer  
Phone: +49 911 420-6392  
Florian.Schaffelhofer@man.eu  
[www.man-engines.com/press](http://www.man-engines.com/press)

The MAN D3876 LE63x, designed for use in locomotives and featuring a 138 mm bore as well as 170 mm stroke, generates a maximum torque of 3,000 Nm at 1,200 to 1,500 rpm. The 15.3-litre engine achieves its high torque plateau and optimum torque curve thanks to the VTG (variable turbine geometry) turbocharger and the injection system (which offers up to 2,500 bar). The combustion this generates, which is optimised for the scope of application, ensures low fuel consumption – one of MAN Engines’ leading development objectives. Thanks to its compact design and high

MAN Truck & Bus is one of Europe's leading commercial vehicle manufacturers and transport solution providers, with an annual revenue of some 10 billion euros (2017). 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 AG and employs more than 36,000 people worldwide.



performance level, the MAN D3876 LE63x is ideally suited for modern and resource-friendly drive concepts in trains.

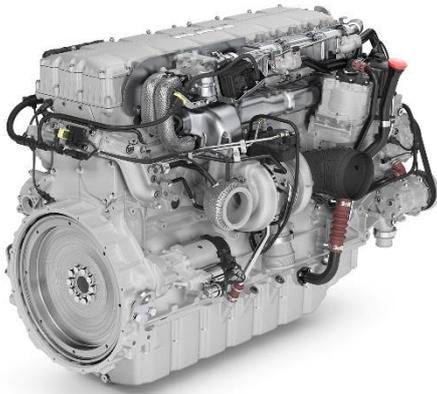
The D3876 in-line six engine is a system with top-class performance that has been an established fixture and a practical success in trucks since 2014. It was also released for agricultural technology applications in 2015 and applications in the construction industry in 2016. The D3876 earned the Diesel of the Year 2016 title, in particular for its basic concept and high-strength materials. Now, in its D3876 development for locomotives which was previously presented as a concept at InnoTrans 2016, MAN Engines is closing the performance gap between the established in-line six and V12 motors for train applications.

In addition to the D3876, which meets EU Stage V for locomotives without EATSS, MAN Engines will be exhibiting a modular EATS at its booth to meet current and future emissions thresholds for rolling stock. MAN's engineers have designed the system (which has also become established in the truck sector) for the tough requirements away from the road and modified it for industrial needs. Along with its robustness, the flexibility due to the separate positioning of mixers, SCR catalytic converters and particulate filters also offers a significant advantage. This gives customers more options to efficiently design their machines' equipment areas, enabling them to take better account of criteria such as ease of maintenance and accessibility.

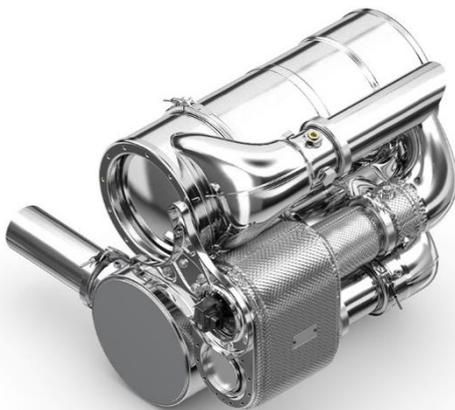
Aside from the D3876 and the modular EATS, MAN Engines will be exhibiting its tried and tested D2862 V12 engine, which boasts a displacement of 24.2 litres. At its highest performance level (735 kW – or 986 hp – at 1,800 rpm), this produces 5,000 Nm in torque at 1,300 to 1,400 rpm. The top performance and efficiency of the MAN locomotive engine is available for railway vehicles at the current emission stages in power levels from 588 to 735 kW (789 to 986 hp).



The D2862 and D3876 engines, along with the modular EATS from MAN Engines, will be on display at InnoTrans in Berlin from 18 to 21 September 2018 (Hall 18, Booth 217).



The MAN D3876 LE63x meets EU Stage V for locomotives without the need for exhaust after-treatment systems.



The modular EATS' components from MAN Engines can be flexibly positioned. This allows customers to choose between a huge range of installation scenarios.