



NEOPLAN welcomes a new member to the family

Hanover, September 21, 2016

A true all-rounder, the new NEOPLAN Tourliner has what it takes to break into the premium segment.

- **Standard segment coach with the typical NEOPLAN design, including the new ring-shaped LED daytime running lights**
- **Aerodynamics improved by more than 20%**
- **Level floor enables flexible adaptation of the interior for different applications**
- **New 26 engine with optimised driveline and the new MAN EfficientCruise with EfficientRoll**
- **Highest level of safety thanks to numerous assistance systems and compliance with rollover standard ECE R66.02**
- **Also available in 13-metre length with two axles from late 2017**

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It only takes one look to see that the new NEOPLAN Tourliner is part of the NEOPLAN family. The front dome that extends stylishly into the roof, the distinctive headlights and the sharp-cut design that has already received multiple accolades all paint an unmistakable picture: here comes a true NEOPLAN. This vehicle really is ideal for anyone looking to add a standard segment coach to their existing fleet, whilst retaining a uniform appearance.

A design feature that will immediately catch the eye of observers is a feature that all NEOPLAN coaches will be equipped with following the IAA 2016: the newly designed headlights. The previous silver background is now black, giving them a more updated look. Another new feature is the LED daytime running lights, which are designed as an illuminated ring (sidelight ring) around the low-beam light. This design feature is mainly found in sports cars, which is why it is the perfect complement to the dynamic aesthetics of the NEOPLAN Tourliner and the other NEOPLAN coaches alike.

MAN Truck & Bus is one of Europe's leading manufacturers of commercial vehicles and supplier of transport solutions, with revenues of approximately €9 billion a year (2015). The product portfolio includes trucks, buses and diesel engines, as well as services related to passenger and cargo transport. A subsidiary of Volkswagen Truck & Bus GmbH, MAN Truck & Bus employs more than 35,500 people worldwide.



High-end facilities for passengers and drivers

The colour-coordinated interior greets passengers with an abundance of light and a spacious feel, further emphasised by its floating luggage racks. The new colour concept is a bold exploration of contrasting grey and beige tones that create a luxurious atmosphere. New developments in the field of lighting design mean that LED lights can be used to illuminate the interior. They can also be found in the new overhead service sets, which now offer increased comfort levels thanks to indirect, draught-free ventilation with individually adjustable ventilation nozzles. The ventilation system as a whole has been given a complete overhaul in order to improve the climate inside the coach. Twin USB outlets can be installed on almost all of the seats.

The level floor gives the business operators plenty of space to configure this true all-rounder in order to best suit their specific intended purpose. Furthermore, the centre aisle has been raised, meaning that passengers can get to their seats and the luggage racks more easily. A lifting platform is also available for long-distance travel in both the left- and right-hand drive models, with the option of pushing together up to six rows of seats on rails to create space for up to two wheelchairs.

The NEOPLAN Tourliner provides the bus driver with a seat that has been optimised with ergonomics in mind. Among the improvements to this area is the overhaul of the lateral operating panel, which now features improved trays that have been adapted to accommodate frequently used items such as an A4 folder or a large drink bottle. The controls have also been rearranged to improve user ergonomics. The latest generation of the Multi Media Coach (MMC) infotainment system is ready and waiting to liven up the journey. It is available in either the MMC Basic version (5-inch display) or MMC Advanced version (7-inch display). The system boasts a number of new features, including voice input and the option to connect up to two smartphones at once. Every aspect of the driver's workplace exudes high quality and top-end workmanship.

Aerodynamic efficiency

This bus is sure to impress both in terms of its appearance and efficiency. The new exterior design has once again increased its aerodynamics by more than 20% in comparison to the previous model. The new NEOPLAN Tourliner has a drag coefficient of only $C_d = 0.36$, which is equivalent to that of a modern mid-size van. This is achieved in part by the new exterior mirrors, which feature improved wind resistance and provide a better view.



In addition, the D26 engine now comes with increased performance and torque, featuring an optimised driveline that allows for fuel savings of up to 10%. This is due to the long final drive ratio of $i = 2.73$ and the optimised shifting strategy among other things. The new generation of MAN EfficientCruise has also been added to the line-up now, meaning that the MAN EfficientRoll free-wheel feature is available for coaches for the very first time. This 'sailing' mode provides a gain in efficiency even on slight downward gradients by automatically shifting the gearbox to the neutral 'N' position and allowing the bus to move with as little engine friction loss as possible.

Improved safety and service

The safety features of the NEOPLAN Tourliner have also been upgraded. For instance, the alertness assistant MAN AttentionGuard is now available for the very first time. The aim of the assistance system is to recognise when a driver's focus is decreasing and to issue a warning if necessary. It analyses a range of data in order to do this, including information from the lane guard assistance system (LGS). If the MAN AttentionGuard notices a drop in attention, it delivers a visual, acoustic and haptic warning to the driver but does not actively intervene in the driving process. Just like all other NEOPLAN coaches, the NEOPLAN Tourliner also features a wide array of assistance systems, including the emergency brake assistant (EBA), the adaptive cruise control (ACC) and the tyre pressure monitor (TPM). The new service interval calculator improves vehicle availability by monitoring and predicting service dates and component wear.

The reinforced skeleton structure represents an improvement in the passive safety of the vehicle and already complies with the rollover standard ECE R66.02, which will be coming into force in 2017. This standard requires the skeleton to absorb an extra 50% of the energy generated by a rollover, which MAN has achieved through its patented 'tube-in-tube' technology and by using high-strength steels. The new NEOPLAN Tourliner also features two extremely strong roll bars in the region of the B-pillar and at the back of the vehicle.

Maintenance and repair work is made easier by features such as the improved hatches on the luggage compartments, engine compartment and front panel, which are now more lightweight and have been optimised in terms of their kinematics. For instance, the front panel is made of several parts, so that individual parts can be replaced if they are damaged in an accident, eliminating the need to replace the entire front of the vehicle.



Furthermore, the corners of the front panel and the attached headlights can be folded forwards. This enables the driver to change the bulbs quickly and easily. The shortened wheel cutout trim panels with their segmented design provide further benefits. Firstly, they add approximately 18 cm more room for accessing the luggage compartment. Secondly, the wheel cutout trim panels that were previously designed as a single piece in the three-axle versions are now divided into two separate segments. If damage occurs, they can be replaced more easily, more quickly and at a lower cost.