

## ebm-papst at InnoTrans and IAA Transportation 2022

### New fans for applications in railway and commercial vehicle technology

**Energy revolution, globalization, regulatory requirements and digitalization: railway and commercial vehicle technology has to face major challenges. The main topics for ventilation technology are fire protection, shock resistance and vibration. ebm-papst will be presenting its latest solutions at InnoTrans (September 20-23, 2022, Berlin), focusing on railway technology and IAA Transportation (September 20-25, 2022, Hanover), focusing on commercial vehicles.**

#### Solutions for mobility and transportation

The new AxiEco Track axial fan will be presented at InnoTrans in Berlin for the first time. The AxiEco series has been successfully establishing itself on the market for over two years. The product range's new fan was specially developed in view of the requirements of railway technology. In the AxiEco Track, the impeller, integrated diffuser ring and hub form a compact unit. The blade tips pass directly into the integrated diffuser ring, which has eliminated the tip gap. This increases the efficiency and, at the same time, generates less noise.

Reliability, robustness, fire protection and electromagnetic compatibility are key requirements, particularly in railway technology. The AxiEco Track with plug-and-play capability is available in sizes 300, 400, 450 and 500 mm and, thanks to its high static pressure increase, covers all typical applications. The size 500 features automatic resonance detection, i.e. critical speed ranges are detected automatically and "blended out". As a result, and due to its compact, robust design, it is resistant to vibrations and shocks, ensuring long operational reliability.

#### In spite of adverse conditions

Another new product awaits visitors at the IAA Transportation: the new W3G-180 fan was developed for applications such as stationary air conditioning for buses and trucks. This fan has bionic blade tips, known as "serrations", which minimizes tonal proportions of noise, leading to significant noise reduction. With a diameter of 180 mm to a maximum height of 45.5 mm, the powerful fan ensures a pleasant climate and low noise characteristics in the driver's cabs even in a small space. The fan comes with intervention protection already integrated and is made of glass-fiber reinforced composite material, which ensures a high mechanical stability. As the front of a truck is exposed to changing and adverse ambient conditions, the electronics are sealed in accordance with the IP degree of protection IP6k9k.

#### Overview of the two trade fairs:

- ebm-papst at **InnoTrans Berlin** (September 20-23, 2022)  
Stand 380, Hall 3.1
- ebm-papst at **IAA Transportation Hanover** (September 20-25, 2022)  
Stand D21, Hall 22
- More information and free trade show tickets can be found at:  
[www.ebmpapst.com/registration](http://www.ebmpapst.com/registration)

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August 24, 2022 - Page 1 of 2

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August 24, 2022 - Page 2 of 2

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### About ebm-papst

The ebm-papst Group, a family-run company headquartered in Mulfingen/Germany, is the world's leading manufacturer of fans and drives. Since the technology company was founded in 1963, it has continuously set the global industry standard with its core competences in motor technology, electronics, digitization and aerodynamics. With over 20,000 products in its portfolio, ebm-papst provides the best energy-efficient, intelligent solution for virtually every ventilation or drive-engineering task.

In fiscal year 2021/22, the "hidden champion" generated revenues of € 2,288 billion. The group employs roughly 15,000 people at 29 production sites (in Germany, China and the USA, to name but a few) and in 51 sales offices worldwide. ebm-papst sets the benchmark with their fan and drive solutions which are used in almost all industries, such as ventilation, air conditioning and refrigeration, heating, automotive, information technology, mechanical engineering, household appliances, intralogistics and medical engineering.