

ebm-papst at IAA Commercial Vehicles

Pleasant climate in commercial vehicles

The world's most important trade fair for transportation, logistics and mobility, IAA Commercial Vehicles, will take place September 20 – 27, 2018, in Hanover. In Hall 11 at Stand G22, ebm-papst will be presenting its energy-efficient solutions for motor cooling, air conditioning in commercial vehicle cabs, and refrigerated transport.

Climate comfort in commercial vehicles is much more than a mere matter of convenience. Cooling for motors and cargo and stress- and fatigue-free travel in buses and trucks place high demands on air conditioning systems and the fans used in them.

Motor cooling

The motor cooling fans that protect the motors in hybrid and electric buses against overheating are often directly exposed to road dirt. At IAA Commercial Vehicles, ebm-papst will be presenting an axial fan with a new fan housing that can be fastened in two ways. This enables the fan to be installed according to its designed airflow direction so as to exploit the maximum efficiency. Regardless of its orientation when installed, the fan housing has four attachment points with which the rugged fan can be screwed into place as usual. Once it has been approved, a fan can be used by the customer in either airflow direction.

Cab air conditioning

The size 250 axial fan, only 50 mm high, is suitable for use in condensers for cab air conditioners. It is the ideal response to market demands for minimal height and low weight. A guard grill can be clicked into place without increasing the fan's height and without additional hardware.

Refrigerated transport

ebm-papst's product range also includes 24 VDC backward-curved centrifugal fans for refrigerated transport applications. They deliver high performance in a compact package and are adjustable and extremely quiet. The fans can be controlled via PWM or linear voltage, or alternatively via LIN bus.

No wear thanks to brushless DC motor

ebm-papst fans for use in commercial vehicles are equipped with brushless DC motors for absolutely wear-free operation. They are both rugged and economical, with a service life exceeding 40,000 hours. In addition to low weight, their benefits include high efficiency, good electromagnetic compatibility and low noise emission.

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Fig. 1: ebm-papst fans are used in commercial vehicles to cool motors, provide cab air conditioning, and refrigerate cargo.

Picture ebm-papst
Characters approx. 2,200, including headings and sub-headings
Tags Automotive, commercial vehicles, fans, DC fans
Link <https://discover.ebmpapst.com>

About ebm-papst

The ebm-papst Group is the world's leading manufacturer of fans and motors. Since it was founded, the technology company has continuously set global industry standards: from the digital interconnection of electronically controlled EC fans to aerodynamic improvements for fan blades to the use of eco-friendly materials.

In fiscal year 2017/18, the company achieved sales of over € 2 billion. ebm-papst employs over 15,000 people at 27 production sites (e.g. in Germany, China and the US) and in 48 sales offices worldwide. Fans and motors from the world market leader are used in many industries, including ventilation, air conditioning and refrigeration, household appliances, heating, automotive and drive engineering.

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