



Press Release

ebm-papst at IAA Commercial Vehicles

Extra-flat fan for heavy-duty applications

The world's most important trade fair for transportation, logistics and mobility, the IAA Commercial Vehicles, will take place in Hanover from September 22 to 29, 2016. In Hall 11 at Stand D07, ebm-papst will be presenting its new, energy-efficient solutions for commercial vehicle air conditioning, including its new and especially flat axial fan for air conditioning in vehicle cabs.

Axial fan with especially flat design

The latest innovation being shown at the ebm-papst stand is the size 250 axial fan with an especially flat design only 50 mm high that sets new standards in packaging. The fan housing has four attachment points by which the fan can be fastened with screws as usual. A new addition is a bayonet fitting with which the fan can be easily mounted on a bracket or other fixture. The fan housing's symmetrical design gives customers more flexibility for installation and allows the fan to be used easily for both airflow directions. A guard grille can be clicked into place without increasing the fan's height and without additional hardware.

Low weight saves fuel

The new fan also features a low weight thanks to its high composite content, reducing vehicle weight and saving fuel. It is dustproof and resistant to high-pressure cleaners, complying with the requirements for IP6K9K, a high degree of protection. It is designed for air conditioning in the cabs of off-road vehicles as well as for cabins in conventional street vehicles. The new fan will be available in 60 W and 120 W versions starting in fall 2016.

Other highlights at ebm-papst's IAA stand

In addition to the new product, ebm-papst will also be showing its proven double centrifugal blowers with forward-curved blades and EC technology for use in vehicle air conditioners. Also present at the IAA Commercial Vehicles will be the compact axial fan with brushless DC motor, specially designed for the typical air flow of commercial vehicles and buses. That makes it ideally equipped for use in commercial vehicles such as buses. The centrifugal and axial fans are equipped with the derating system, which always adjusts the fan's power consumption to ensure reliable operation even at high ambient temperatures, thus preventing thermal overload shutdown of the fan and resulting malfunctions of the system.

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Fig. 1: With a height of only 50 mm and IP6K9K degree of protection, the axial fan is ideally equipped for heavy-duty use.

Photo: ebm-papst

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 market standards.

Developments have ranged from electronically controlled EC fans, through aerodynamic improvements of fan blades, and on to the resource-conserving selection of materials, with sustainable materials being just one option.

In fiscal year 2015/16, the company achieved sales of almost €1.7 billion. ebm-papst employs approximately 12,500 people at 18 production sites (in Germany, China, the United States and elsewhere) and in 57 sales offices worldwide. Fans and motors from the global market leader can be found in many industries, including ventilation, air conditioning and refrigeration, household appliances, heating, automobiles and drive engineering.

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