



Press Release

Double Award for ebm-papst

“Best of Category” Award for CO₂-efficient Fan

On October 18, 2016, the winners of the MATERIALICA Design + Technology Award were honored during an awards ceremony in Munich. ebm-papst was very pleased to have received two awards. The diagonal compact module for use in filter ventilators for control cabinet cooling took silver in the “Product” category. And the AxiCool axial fan for high performance air coolers in the commercial and industrial cooling sector received the “Best of Category” award in the “CO₂ Efficiency” category.

AxiCool transports more air with less energy consumption for CO₂ savings

As it was presenting the award for the AxiCool fan, the independent jury of specialists emphasized the fan's coherent design and benefits for the environment. “We have developed a fan that generates as little CO₂ in the manufacturing process as possible, saves a great deal of energy in operation and ultimately, can easily be recycled,” said Thomas Sauer, Head of Development Dept. B and Electronics, who accepted the award. “The fan is carbon-efficient over its entire life cycle. This is why we are happy to have received the 'Best of Category' award,” added Sauer. In the axial series, the integrated combination of diffuser and guide vanes increases efficiency by a full 30%, allowing an increase in air performance of up to 12% and a noise reduction of up to 5 dB(A). To put it in a nutshell: The AxiCool transports more air with less energy consumption.

Diagonal compact module extends filter ventilator maintenance intervals

The diagonal compact module was also among the award recipients – Thomas Heli, Head of the Development Dept., accepted the award in Munich. The concept is based on the new diagonal impellers and is mechanically compatible with commercially available axial tubeaxial fans. However, the new modules deliver a higher airflow at higher back pressure, lower noise emissions and lower power consumption with the same airflow. Because the drop in performance due to dirty filter pads is considerably lower compared to the axial designs, the maintenance intervals can be extended – which immediately saves costs.

About the MATERIALICA Design + Technology Award

The MATERIALICA Design + Technology Award judges a combination of technology expertise and design. A jury consisting of materials and design experts has honored winners in the categories of “Material,” “Surface & Technology,” “Product,” “CO₂ Efficiency” and “Student” since 2003. This year, the other awards in various categories went to Daimler, thyssenkrupp, Grohe, Festo, etc.

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Fig. 1: Moderator Jan Stecker, Thomas Heli and Thomas Sauer from ebm-papst along with Robert Metzger, managing director of Munich Expo.



Fig. 2: High-end AxiCool variant with covered fan housing and integrated diffuser with guide vanes.



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Fig. 3: The diagonal compact module delivers higher airflow at higher back pressure.

Images	ebm-papst
Characters	approx. 2,700, with headings and sub-headings
Keywords	EC technology, diagonal fan, axial fan, Materialica, filter ventilator
Tags	EC fans, energy saving, axial fan, AxiCool, filter ventilator
Links	www.ebmpapst.com/axicool www.ebmpapst.com/diagonalcompactmodule

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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