



## Press Release

### MATERIALICA Design + Technology Award 2015

## Gold for RadiPac centrifugal fan

ebm-papst put in an impressive showing at the 13th presentation of the MATERIALICA Design + Technology Awards. At the awards ceremony on October 20 in Munich, the RadiPac GreenTech EC centrifugal fan won the Gold award in the "Product" category. An independent panel of specialists emphasized its symbiosis of design and technology, especially its aerodynamics, which enable top efficiency. "This is a great acknowledgment of the continuous efforts we've made over the years to improve our products," said Michael Strehle, who is responsible for aerodynamics development at ebm-papst, as he accepted the award.

The centrifugal fans in the RadiPac product range are specially designed for use in ventilation and air conditioning equipment and are distinguished by their compactness, efficiency, ease of use and safety. During the current product redesign, the fan specialists at ebm-papst gave special attention to the flow machine, designing the inlet ring for a perfect match with the impeller and its aerodynamically optimized blade channel and achieving a compact design with ideal positioning of the motor in the impeller. And the impeller itself sports new hollow aluminum blades with higher efficiency, lower weight and increased stability. Intake pressure losses have been reduced further, and the air is channeled in the main flow direction of the air conditioning unit, significantly reducing deflection losses. All of these improvements benefit both the environment and users' wallets: The fans are now 13 percent more efficient and their noise level has decreased by over 3 dB(A).

The MATERIALICA Design + Technology Award recognizes the successful combination of technological expertise and design and is presented each year during the MATERIALICA trade fair in five categories: Material, Surface & Technology, Product, CO<sub>2</sub> Efficiency, and the special "Student" award. Other awards in different categories this year went to Schott AG, Grohe Deutschland and the automotive supplier EDAG Engineering.

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Fig. 1: Robert Metzger, Managing Director of MunichExpo GmbH, presents the award for RadiPac to Michael Strehle of ebm-papst.



Fig. 2: The RadiPac centrifugal fan won Gold at the 2015 MATERIALICA Design + Technology Awards.

Photos: ebm-papst

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#### **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 2014/15, the company achieved a turnover of almost €1.6 billion. Throughout the world, ebm-papst employs around 12,000 people at 18 production sites (including in Germany, China and the USA) and in 57 sales offices. Fans and motors from the global market leader can be found in many industries, including ventilation, air conditioning and refrigeration, household appliances, heating, IT and telecommunications, as well as automotive and commercial vehicles.

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