



Press Release

ebm-papst presents new innovations in Nuremberg

Both new and proven products on show at Chillventa

ebm-papst will be presenting its latest developments in fans for refrigeration technology at Chillventa from 14 to 16.10.2014 in Nuremberg.

Among the products on show in hall 7, stand 7-418 will be the new EC axial fan series with diameters of 400 to 910 mm. The series is built around two new EC motors. A combination of improved motor cooling and the use of the latest materials have made it possible to increase power density further. The modular construction of the motor and electronics enables a power range of 250 W to 1.3 kW in single and three-phase configurations.

ebm-papst has developed an energy-saving fan purpose-built for use in evaporators, with especially high reliability and long service life. The fan has been designed as a complete unit, which helps it achieve a higher degree of overall efficiency than standard solutions made up of individual components. Aside from the GreenTech EC technology, it is above all the HyBlade impeller, with its aerodynamically optimised blade geometry, that is decisive in achieving the high overall efficiency. This configuration is available for size 300.

Another product in the limelight for the first time is the EC medium-pressure axial fan, a fully assembled and therefore installation-ready combination of housing, impeller, EC motor and control electronics. The blades of the axial impeller can be adjusted when at standstill, a unique feature on the market when combined with the GreenTech EC motor. The fan system is available in outside diameter sizes of 1120, 1250, 1400 and 1600 mm. The fans are used wherever high air flows must be conveyed against medium pressures. Typical applications include heat exchangers and cooling towers, but also evaporators like those found in industrial food production.

When it comes to efficient refrigeration technology in supermarkets, energy-saving fans are indispensable. ebm-papst now offers a range of different configurations here. The latest solution is the handheld operating device. It enables the two pre-set speed levels for the energy-saving fans to be easily adjusted or reprogrammed with the help of a user-friendly navigation menu. The product offer in this area is completed with the proven iQ² motor family for 1:1 replacement in existing refrigeration and freezer units.

Energy-saving fans in various configurations and sizes will be presented for a range of other applications in ventilation, refrigeration and air conditioning, such as condensers, heat pumps, fan coils, floor convectors, switching cabinet cooling and HVAC systems. They offer impressive benefits in terms of compact dimensions, quiet running and high efficiency.

Katrin Lindner
Trade press coordinator
Phone: +49 7938 81-7006
Fax: +49 7938 81-97006
Katrin.Lindner@de.ebmpapst.com

26 August 2014 - Page 1 of 3

Press office contact
ebm-papst Group

Phone: +49-7938-81-7105
presse@de.ebmpapst.com
twitter.com/ebmpapst_NEWS
facebook.com/ebmpapstFANS
youtube.com/ebmpapstDE
www.ebmpapst.com
www.greentech.info/ec-technologie



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Photo 1: The new generation of EC axial fans.



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Trade press coordinator
Phone: +49 7938 81-7006
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Press office contact
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Phone: +49-7938-81-7105
presse@de.ebmpapst.com
twitter.com/ebmpapst_NEWS
facebook.com/ebmpapstFANS
youtube.com/ebmpapstDE
www.ebmpapst.com
www.greentech.info/ec-technologie



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Photo 2: The energy-saving fan specially developed for use in evaporators.

Photos: 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 bio-materials being just one option.

In fiscal year 2013/14, the company achieved a turnover of €1.5 billion. Throughout the world, ebm-papst employs around 11,500 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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Phone: +49 7938 81-7006
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26 August 2014 - Page 3 of 3

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Phone: +49-7938-81-7105
presse@de.ebmpapst.com
twitter.com/ebmpapst_NEWS
facebook.com/ebmpapstFANS
youtube.com/ebmpapstDE
www.ebmpapst.com
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