



New benchmarks for reliability and efficiency

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At the SPS/IPC/DRIVES trade fair held in Nuremberg, Germany from November 22 - 24, 2011, motor and fan specialist ebm-papst (www.ebm-papst.com) is presenting its new solutions for automation tasks in Hall 1, Stand 1-448. SPS/IPC/DRIVES is Europe's leading trade fair for electrical automation.

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As its latest development in drive engineering, ebm-papst is offering its customers an addition to the modular system of the ECI 63 motors with a new size in the ECI product family - the ECI 42 motor. Compared to the predecessor type, the ECI 42 attains almost twice the torque at a significant mass reduction of 40%. Furthermore, the power density and mass/performance ratio are significantly improved.

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To set new benchmarks in terms of reliability, service life and energy consumption, the i-maxx fan generation has been further developed. The new ACi4400 fan is based on an electronically commutated drive, which attains up to 77% lower consumption compared to standard AC fans. Lower energy consumption, significant reduction of operating noise level and a very long service life add up to cost-effective operation of the new fan.

Compact efficiency and a long service life are the outstanding features of the new i-maxx W1G130 with fully integrated electronics. This makes it the ideal solution for demanding industrial applications in control cabinet and inverter cooling or refrigeration technology.

As a replacement for conventional AC solutions, ebm-papst offers the energy-efficient RadiCal® fans in GreenTech EC technology. In both cases, the user benefits from the acoustic and efficiency advantages of the newly-developed RadiCal® impeller as well as from increased capacity and high mechanical resistance.

For use in filter fans, a new diagonal fan series has been developed that combines the properties of conventional axial fans with those of centrifugal fans. Thus filter fans at the identical installation dimensions have flatter installation dimensions than earlier versions with axial fans, but offer an higher flow rate at higher counterpressure, an improved noise behaviour of up to 10 db (A) and a low power input.

In addition to the product highlights, additional innovative motor and fan solutions will be on display at the SPS/IPC/Drives.



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Figure 1: Compared to the predecessor type, the ECI 42 attains almost twice the torque

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Figure 2: New diagonal fan series for filter fans

Images: ebm-papst

About ebm-papst The ebm-papst Group is the world's leading manufacturer of fans and motors and is a pacemaker for ultra-efficient EC technology. In the last fiscal year 10/11, the company generated turnover of over 1.3 billion EUR. ebm-papst employs over 11,000 people at 17 production sites (including Germany, China and the USA) and 57 sales offices worldwide. Fans and motors of the global market leader are represented in many industries, including ventilation, air-conditioning and refrigeration systems, household appliances, heating engineering, in IT/telecommunications as well as applications in automotive and commercial vehicle engineering.