

ebm-papst presents world firsts in Milan, Italy - "RadiCal" defines new standards for fans in ventilation and air-conditioning technology

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ebm-papst will present the latest trends in the field of fans and motors from 23 - 27 March 2010 at the Mostra Convegno Expocomfort trade fair.

In Hall 24, Stand B13-C22, the current developments in the field of refrigeration, air-conditioning and ventilation technology will be presented; Hall 1, Stand R05-S12 will feature the highlights in heating engineering.

With RadiCal, ebm-papst has now defined a new standard in the field of EC centrifugal fans. The RadiCal series for ventilation and air-conditioning systems have identical dimensions and allow easy replacement of existing AC solutions. Intelligently selected material combinations increase the stability of the aerodynamically optimised impellers. The improved motor thermal management guarantees extremely high efficiency and also ensures high IP protection.

For fan coils and fan convectors, which usually are operated with high duty cycles, ebm-papst developed a new energy saving EC centrifugal fan series which is specially designed for low-noise operation. The fans are very compact and can be easily installed as a plug & play solution. Up to 70 % of energy costs can be saved through such a conversion.

For the first time, ebm-papst presents the new ACmaxx generation "ACi" to the general public. This new, electronically commutated generation of fans is the expansion of the familiar, energy saving EC technology to smaller sizes for compact fans. Existing AC fans can now also be replaced with energy saving, durable products of the same geometrical size. Thanks to integrated operating electronics, the new motor design achieves up to about 80 % lower consumption compared to the classic standard AC fans. Thus, the ACi types in sizes of 120mm and 150mm, fans that can be used universally, define new standards for reliability, service life and energy consumption.

With the extension of the new radial blower range for larger heat outputs, an optional integration of the Venturis into the blowers, the new radial blower with mass flow sensor and, not least, the market-ready LambdaConstant system for modern upper heating value burners, ebm-papst is in tune with the spirit of the times with regard to both energy saving and emissions reduction. Together with R&D partner Argus Vision, it is possible to network the blower and burner control. Furthermore, Argus Vision will present an intelligent system to control hybrid heating systems and heat pumps at Mostra. For pellet heaters, ebm-papst offers suitable centrifugal blowers and induced draft blowers for air intake and

exhaust, which meet the highest requirements in terms of service life, noise and cost-effectiveness.

"Our latest products such as RadiCal are the result of intensive R&D with a focus on economics and ecology," said Thomas Borst, Group Managing Director for Sales and Marketing at ebm-papst. "I am convinced that the new developments we are presenting in Italy will gain fast and successful market entry," Borst concluded.

Figure 1: RadiCal defines new standards for EC centrifugal fans

Figure 2: The ACi generation of fans allows up to 80 % lower energy consumption compared to the classic standard AC fans.

Figure 3: LambdaConstant System for condensing boiler technology: burner in a network with the mass flow controlled gas blower by ebm-papst and the control system by Argus Vision.

About the ebm-papst group

The ebm-papst group is the world's leading manufacturer of fans and motors and is a pioneer and a pacesetter for ultra-efficient EC technology. In the fiscal year 08/09, the company achieved a turnover of 1.056 billion EUR. ebm-papst employs nearly 9,500 employees at 17 production sites (including those in Germany, China and the USA) and 57 sales offices world-wide. Products of the global market leader are represented in many industries, including ventilation, air-conditioning and refrigeration technology, household appliances, heating engineering, in IT/telecommunications applications, as well as those in automotive and commercial vehicle engineering.

More information can be found at www.ebmpapst.com or is available from

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