

Preliminary report on ISH in Frankfurt Energy-efficient solutions for heating and ventilation technology

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At the world's leading trade fair ISH in Frankfurt from 10.03.-14.03.09, the motor and fan specialist ebm-papst (www.ebmpapst.com) will be presenting its latest products in the area of heating and ventilation technology. In **Hall 5.0 Stand D50** the current trends in the area of building, air-conditioning and ventilation technology will be on display, in **Hall 9.1 Stand G66** the highlights on the topic of heating engineering.

With the extension of the new centrifugal blower range for larger heat outputs, an optional integration of the Venturis into the blowers, the new centrifugal 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.

Another completely new feature is the addition to the gas blower range of a high-performance blower designed for heat outputs of up to 1 MW. In industry in particular, this results in new markets that can now be supplied with this new blower.

In air-water heat pumps, the HyBlade® axial fans in EC technology and the aerodynamically optimised plastic centrifugal fan are setting new standards with respect to energy efficiency and noise behaviour.

For pellet heating systems, ebm-papst offers centrifugal blowers and induced-draft blowers which are suitable for fresh air and exhaust air, and which meet the highest requirements regarding service life, noise and cost-effectiveness. Pellet conveyance is ensured by a new plastic gearbox, which impresses on account of its very good running smoothness.

Different functional models enable visitors to form an impression of the performance of ebm-papst products.

Fig. 1: New centrifugal blower with mass flow sensor from ebm-papst Landshut

Fig. 2: R3G450 plastic centrifugal fan for use in heat pumps

Fig. 3: Fresh air blower (left) and exhaust air centrifugal fan (right) for pellet heating systems