

ebm-papst at ISH 2019

LIN-Bus-compatible gas blower and new centrifugal fans

The ISH trade fair in Frankfurt is the international meeting spot for the sustainable heating and air conditioning technology sector. The trade show has new dates in 2019: it will be held from Monday, March 11 to Friday, March 15. ebm-papst will be showing the latest solutions for air conditioning and condensing technology in hall 8.0, booth F91.

GreenIntelligence gas blower with LIN-Bus interface

Until now, blower-specific data such as power consumption, airflow, and speed could only be processed inside gas blowers. Thanks to LIN-Buses, water heater manufacturers can now optimally use these and other sensor data. The RadiMix series from ebm-papst contains the first two representatives in the heat output range up to 50 kW: VG 71 and VG 100. They are both LIN-compatible and as a result, suitable for predictive maintenance in the spirit of GreenIntelligence. Their performance spectrum was designed for single- and multiple-family homes.

Compact external rotor for higher pressures

There are many situations in which fans have to work at high pressure, including complex air distribution networks or air ducts that have to fit in tight false ceilings and naturally need to have small cross sections. For applications like these, ebm-papst is introducing the RadiPac centrifugal fan for high pressure levels up to 2,500 pascal. The impeller has been aerodynamically optimized and the blade outlet width narrowed to enable the higher speeds that result in higher pressure.

New RadiCal for precision air-conditioning units

Also at ISH, ebm-papst will be also presenting the advanced development of its RadiCal centrifugal fans, which were designed for use in precision air-conditioning units, roof fans, FanGrids, and more. With the help of computer-supported optimization methods, impeller width, size of the intake area, blade contour, and blade thickness have all been adjusted to deliver higher airflow at a lower head. As a result, the new RadiCal achieves a maximum efficiency of 68.5% at an airflow of 13,000 m³/h.

In addition to the highlights mentioned above, further intelligently interconnected complete solutions for ventilation, air conditioning and heating technology will be on view at the ebm-papst booth in hall 8.0.

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

Corinna Schittenhelm
Trade press coordinator
Phone: +49 7938 81-8125
Fax: +49 7938 81-98125
Corinna.Schittenhelm@de.ebmpapst.com

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Press office contact
ebm-papst Group

Phone +49 7938 81-7105
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www.ebmpapst.com

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Fig. 1: The VG 71 and VG 100 gas blowers from ebm-papst for heating outputs of up to 50 kW in the RadiMix series are LIN-compatible and therefore, suitable for predictive maintenance.

Fig. 1 ebm-papst
Characters Approx. 2,300, including headings and sub-headings
Tags centrifugal fan, energy savings, RadiPac, RadiCal, precision air-conditioning unit, gas blower, premix, RadiMix
Link <https://www.ebmpapst.com>

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 industry standards: from the digital interconnection of electronically controlled EC fans to aerodynamic improvements for fan blades to the use of eco-friendly materials.

In fiscal year 2017/18, the company achieved sales of over € 2 billion. ebm-papst employs over 15,000 people at 27 production sites (e.g. in Germany, China and the US) and in 48 sales offices worldwide. Fans and motors from the world market leader are used in many industries, including ventilation, air conditioning and refrigeration, household appliances, heating, automotive and drive engineering.

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Trade press coordinator
Phone: +49 7938 81-7006
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