

News from ebm-papst

The responsible use of water, energy and other resources in buildings will be the focus at the ISH from March 13 to 17, 2023. In addition to products that have already been launched and are themselves already setting the benchmark, ebm-papst will be presenting three innovative new developments for the first time at its stand F91 in Hall 8, which will cause a further stir in the industry.

1. Pressure-resistant axial fans for heat pumps

ebm-papst presented the efficient AxiEco axial fans in various designs at the beginning of 2020. Thanks to their high pressure stability, ventilation and air conditioning devices in particular benefit from higher air flow volumes. The series has now been expanded with the new AxiEco plug-in fans in sizes 450, 500 and 630, which are typical for heat pumps in detached or semi-detached homes.



2. New axial fan for noise-sensitive applications

The AxiTone is a new type of fan developed by ebm-papst. It is a three-blade EC axial fan and is particularly suitable for noise-sensitive applications. The new AxiTone is ideal for air-water heat pumps that require quiet fans and where counter-pressure is more of an exception due to design aspects. The fan will initially be available in size 450 mm and later in sizes 500 and 630 mm, as well.



3. New wind for residential ventilation and switch cabinet cooling

Ever lower energy consumption is required for devices for central residential ventilation and air conditioning, switch cabinet cooling, as well as heat pumps and air purifiers. That is why compact fans that deliver high air flows with low back pressure are in demand, while operating as efficiently and quietly as possible. With the new RadiCal fans, ebm-papst is now presenting the second generation, which impresses with its high air flow rates, compact dimensions and pleasant noise characteristics.



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4. Air guide modules increase efficiency

With the new RadiPac C Perform fans, we have now succeeded in improving this successful product range once again. Special air guide modules reduce outlet losses and increase efficiency levels by up to 5 percentage points, while the proven support brackets remain. The mounting dimensions and mounting hole patterns remain identical, meaning that virtually no design changes are necessary in the application to benefit from the higher efficiency levels and lower current consumption.



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5. New inverter electronics for efficient and low-noise compressor drives

Based on ebm-papst's many years of experience with EC motors, their commutation electronics, and heat pump applications, the company has now developed inverter electronics that are suitable, for example, for speed-controlled permanent magnet synchronous motors (PSM), such as those used in compressors for heat pumps. The new electronics, which are available with output powers of up to 3.5 kW, 7.5 kW, and 12 kW, have many advantages in this context.



6. Complete system for combustion control

Modern and efficient heating technology plays a crucial role in the energy revolution succeeding. As part of the RadiMix HS 100 system solution, ebm-papst has a combustion control system in its range, which, thanks to perfectly coordinated components, always ensures efficient combustion, regardless of whether natural gas, biogas or hydrogen is used for heating.



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7. “We want to inspire our customers!”

ebm-papst is reorganizing itself as part of its “Making the future together” strategy, with the ventilation and heating technology specialist focusing on its strengths – and beefing up its regional units at the same time. CEO Klaus Geißdörfer explains what the new structure will look like and what this means for customers.



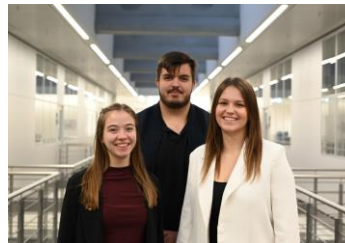
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8. Powerful message for apprenticeship

At Hannover Messe 2023, which opens its doors from April 17 to 21, the students and trainees of ebm-papst will independently represent the family company and world market leader from southern Germany and present the latest fan and motor highlights to an international audience. Under the claim “Future Heroes”, the 15-strong team of apprentices and students has already planned and organized the entire trade show appearance on their own.



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