



## Press Release

Technology leader focuses on energy efficiency

### ebm-papst at Hannover Messe 2016

**The fan specialist ebm-papst will be focusing on Industry 4.0 and the interconnected “Internet of Things” at its stand (hall 15, stand F31) at Hannover Messe from April 25-29, 2016. The partner countries of this year's trade fair are the US, where ebm-papst has been represented since 1980 and currently has two locations and around 300 employees there. At its US locations, the fan specialist optimizes its manufacturing processes with interconnected production.**

At Hannover Messe, ebm-papst is presenting an intelligently interconnected, energy efficient cooling system used for the precision cooling of machine tools, control cabinets, medications, chemical processes, beverages and (perishable) food. The ebm-papst development team collaborated with an American refrigerator manufacturer to create the interconnected control system. This increases the overall efficiency, energy efficiency and reliability of the entire system. In food retailing alone, there is a worldwide savings potential of over 30 TWh/a – which would eliminate the need for more than three large power stations. Its automatic data transmission function enables the cooling system to monitor, regulate, control, remotely maintain and pinpoint the geographical location of the connected devices. This allows even remotely installed devices such as beverage refrigerators to be monitored centrally, including ongoing power and energy loss checks.

UL and the National Electric Code specify special protection of wiring for various fan applications in the United States. For outdoor applications to which persons have access (e.g. condensers for refrigeration and air conditioning units) or indoor ones (e.g. data centers), conduits must be used to protect wiring against mechanical damage. ebm-papst has developed custom made fittings and conduit that meet these requirements. Our EC motors are available with fittings that incorporate a radial seal, ensuring a watertight seal even if the fittings are not properly torqued.

Using two fans does not always mean twice as much performance. Sometimes it can create much more – if you use the right setup. The special feature of 6300N Counter Rotating is a modular double stage with – slightly modified – ebm-papst standard fans. The result is a custom tailored solution whose total pressure increase and efficiency is greater than the sum of the two individual fans – at the same level of energy consumption.

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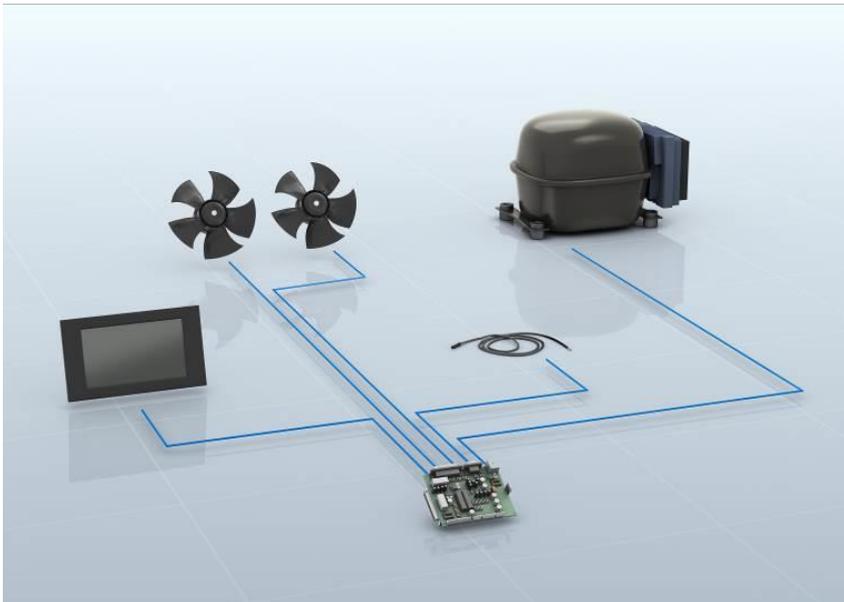


Image 1: With this cooling system, remotely installed devices such as beverage refrigerators can be monitored centrally, including ongoing power and energy loss checks.



Image 2: Two standard fans connected in series support the 6300N Counter Rotating's modern concept.



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Photos: ebm-papst

#### 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 market standards. Developments have ranged from electronically controlled EC fans, through aerodynamic improvements of fan blades, and on to the resource-conserving selection of materials, with sustainable materials being just one option.

In fiscal year 2014/15, the company achieved a turnover of almost €1.6 billion. Throughout the world, ebm-papst employs around 12,000 people at 18 production sites (including in Germany, China and the USA) and in 57 sales offices. Fans and motors from the global market leader can be found in many industries, including ventilation, air conditioning and refrigeration, household appliances, heating, IT and telecommunications, as well as automotive and commercial vehicles.

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