



Press Release

2018 German Data Center Award

ebm-papst takes 2nd place in category for data center energy technology

The awards ceremony for the German Data Center Award took place on April 24, 2018, in Darmstadt. The top three prizes were awarded in each of eight categories at the “Darmstadtium” convention center, with ebm-papst taking second place in the category for data center energy technology.

“Even second place is an excellent award for our 3-phase active PFC solution, and we’re pleased to be among the top 3 in this category,” said Jochen Breuer, sales engineer at ebm-papst Mulfingen.

To minimize trouble with harmonics in parallel operation of EC centrifugal fans, ebm-papst developed a solution in which a harmonic filter is already integrated in the fan. This solution, 3-phase active PFC, converts the pulsed input current of the EC motors into a sinusoidal current. The current is then shifted so that it is in phase with the voltage, permitting emergency power supplies, power electronics, switches, wiring and protective devices to be designed smaller and more cost-effectively thanks to the nearly ideal current characteristics.



Fig. 1: Jochen Breuer from ebm-papst Mulfingen took second place in the category for data center energy technology at the German Data Center Awards with 3-phase active PFC. (source: ebm-papst)

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Fig. 2: Already integrated in the fan, 3-phase active PFC minimizes unwanted harmonics during parallel operation of EC fans. (source: ebm-papst)

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Fig. 3: Awards ceremony for the German Data Center Award at the Darmstadtium. (source: future-thinking)



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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 2016/17, the company achieved sales of almost €1.9 billion. ebm-papst employs over 14,000 people at 26 production sites (e.g. in Germany, China and the US) and in 49 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.