

Expansion of the AxiEco series

Pressure-resistant axial fans ensure strong air flow rates

Axial fans are normally used in any situation where strong airflow is required with relatively little counter-pressure. However, the AxiEco axial fans from ebm-papst are even particularly suitable for applications requiring high pressure. As a result, ventilation and air conditioning devices benefit from even higher airflow rates.

Fans in evaporators have to overcome high counter-pressure since the ice that often forms on the heat exchanger constricts the air channels. AC axial fans in particular, which are in widespread use, will reach their limits at the very latest when the next stage of the ErP Directive goes into effect.

Pressure-resistant, efficient and quiet

That is why ebm-papst has developed the AxiEco axial fans, which have successfully established themselves on the market for two years. These fans also offer exceptional pressure stability with high efficiency. Its air performance curve has a much steeper slope than comparable axial fans. Aerodynamic optimization of the impeller achieves a better and even airflow, and the noise level has been significantly reduced again. When used in evaporators, for example, the service life is also extended, i.e. the intervals between defrosting cycles. This also saves energy and increases the device's overall efficiency.

Higher air flow rates and pressures thanks to new sizes

The existing AxiEco EC fan series, with sizes 300, 350, 400, 450 and 500 mm, has now been expanded with the three new larger sizes 630, 800 and 910 mm, meaning that even higher air flows of over 25,000 m³/h and pressures of up to 700 Pa can be achieved. All AxiEco fans meet the requirements of the future ErP Directive and can be easily integrated into applications as a compact plug & play solution with CE marking. Users will not have to worry about nozzles or distance to the impeller, nor concern themselves with conducting their own ErP assessment. These new sizes cover other areas of application in ventilation, air conditioning and refrigeration technology, such as use in chillers and evaporators, industrial process refrigeration, data centers and mobile refrigeration technology (rented refrigeration).

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Figure: The AxiEco series has been expanded to include three new larger sizes, which means that air flows of over 25,000 m³/h and pressures of up to 700 Pa can now be achieved.

Figure	ebm-papst
Characters	approx. 2,200, including headings and sub-headings
Tags	EC technology, axial fan, AxiEco, air flow, efficiency, back pressure
Link	https://www.ebmpapst.com/axieco

About ebm-papst

The ebm-papst Group, a family-run company headquartered in Mulfingen/Germany, is the world's leading manufacturer of fans and drives. Since the technology company was founded in 1963, it has continuously set the global industry standard with its core competences in motor technology, electronics, digitization and aerodynamics. With over 20,000 products in its portfolio, ebm-papst provides the best energy-efficient, intelligent solution for virtually every ventilation or drive-engineering task.

In fiscal year 2021/22, the "hidden champion" generated revenues of € 2.288 billion. The group employs roughly 15,000 people at 29 production sites (in Germany, China and the USA, to name but a few) and in 51 sales offices worldwide. ebm-papst sets the benchmark with their fan and drive solutions which are used in almost all industries, such as ventilation, air conditioning and refrigeration, heating, automotive, information technology, mechanical engineering, household appliances, intralogistics and medical engineering.

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