



Mechanically compatible with the predecessors with AC motors:

## **New GreenTech EC axial fan impresses with high efficiency**

In fan technology today, attention is focussed on maximum efficiency to enable devices used in ventilation, air-conditioning and refrigeration technology to work as energy-efficiently as possible. Against this background, there is no alternative to EC fans, which compared to AC variants (these are still used a lot) work with much lower power loss.

ebm-papst is setting new standards with the i-maxx W1G130 (Figure 1). The compact axial fan with GreenTech EC motor is mechanically compatible with its AC predecessors and is used primarily in applications for control cabinet cooling or in other cooling applications such as bottle coolers or refrigeration furniture. It needs up to 60% less input capacity than its AC predecessor (Figure 2). For the consumer, that means that the changeover will have paid for itself within a year.

The new i-maxx W1G130 is based on the tried and tested ESM motor technology with 2 speed stages which can be switched according to requirements. This enables further energy savings to be made, increasing the overall efficiency of the application even further. The two programmed speed stages have been selected to cover the air performance of the two earlier AC predecessors, representing a further benefit for the customer. But the new GreenTech EC fan offers more than just that. With a protection rating of IP54 and reliable ambient temperatures up to +70 °C it is also superbly well suited to industrial applications. Wall ring and impeller are made of resilient, fiberglass-reinforced plastic, making additional corrosion protection unnecessary. The plastic material provides for a low weight. Aerodynamic optimisation measures on the impeller have kept noise development low.

All in all, ebm-papst Mulfingen has yet again made the GreenTech idea reality. This idea is based on the company's principle that every newly-developed product has to be better than its predecessor, not only technically, but also economically and ecologically.

Fig. 1: Mechanically compatible with the predecessors with AC motor:  
The new i-maxx W1G130 impresses with high efficiency

Fig. 2: Air performance measured in accordance with ISO 5801 installation category A

Images: ebm-papst Mulfingen

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### About ebm-papst

The ebm-papst Group is the world's leading manufacturer of fans and motors and is a pacesetter for ultra-efficient GreenTech EC technology.

In the last fiscal year 2010/2011, the company generated turnover of over 1.3 billion euro. ebm-papst employs over 11,000 people at 17 production sites (including Germany, China and the USA) and 57 sales offices worldwide. Fans and motors of the global market leader are represented in many industries, including ventilation, air-conditioning and refrigeration technology, household appliances, heating engineering, in IT/telecommunications and in automotive and commercial vehicle engineering applications.

More information can be found at [www.ebmpapst.com](http://www.ebmpapst.com) or is available from Corinna Schittenhelm – [Corinna.Schittenhelm@de.ebmpapst.com](mailto:Corinna.Schittenhelm@de.ebmpapst.com) - Tel.: +49-7938-81-634