



"Cool Efficiency" – Energy-saving products for refrigeration technology

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At the international EuroShop trade fair held in Dusseldorf from 26 February – 2 March 2011, motor and fan specialist ebm-papst (www.ebmpapst.com) is presenting its latest products for refrigeration system applications in Hall 16, Stand C37.

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For applications such as refrigerated counters and bottle coolers, ebm-papst offers energy saving axial fans which, unlike conventional shaded-pole motors, feature efficiency levels of over 65% and thus reduce the energy consumption by 1/3. The integrated electronic control system enables demand-oriented control of these quiet fans. Their compact design saves space and makes installation easy.

Upgrading existing applications to more efficient motors is likewise easy. The energy saving iQ-motors are ideally suited for this purpose. With identical installation dimensions, they make 1:1 replacement of existing shaded-pole motors a simple task. Many renowned supermarket chains are already making use of this environmentally and economically beneficial option for 1:1 replacement. Moreover, the new iQ² series provides various control options that solve the cooling task even more efficiently.

In refrigeration systems, the HyBlade[®] axial fans ensure efficient operation, for example in evaporators or condensers. Thanks to modern GreenTech EC technology and aerodynamic optimisation of the blade geometry, the fans with a diameter from 172 to 990 mm provide convincing energy savings of up to 50 % compared to AC fans.

These are just a few examples of how innovative technology can benefit both the user and the environment.



Figure 1: Energy saving products in GreenTech EC technology for refrigerated cases



About ebm-papst

The ebm-papst Group is the world's leading manufacturer of fans and motors and is a pioneer and pacesetter for ultra-efficient GreenTech EC technology. In the last fiscal year 09/10, the company generated turnover of 986 million EUR. ebm-papst employs over 10,000 people at 17 production facilities (including Germany, China, USA) and 57 sales offices worldwide. Products of the global market leader are represented in many industries, including ventilation, air-conditioning and refrigeration technology, household appliances, heating engineering, in IT/telecommunications applications, as well as those in automotive and commercial vehicle engineering.