

Quiet, efficient and easy to assemble

New EC and AC compact centrifugal modules

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ebm-papst Mulfingen GmbH & Co. KG recently launched its new compact centrifugal modules in EC and AC technology. These comprise tried and tested centrifugal motor impellers with backward curved blades, which have been supplemented by a support structure with an inlet nozzle and a terminal connector (alternatively a terminal cable). This has created a complete "Plug-and-Play" unit. These modules are not only suitable for use in refrigeration counters, in home ventilation systems or for cooling switch cabinets, they also open up many other fields of industrial application.

The fan is supplied as a module with all the necessary connection elements, so the customer benefits in particular from straightforward, simple assembly. There is no need for the user to spend unnecessary time building an assembly construction. The centring of the inlet nozzle to the impeller is pre-set, guaranteeing aerodynamically and acoustically flawless operation. The operating capacitor and plug connector on the connecting line are pre-assembled on AC fans, practically eliminating the possibility of incorrect wiring.

The modules are available in different sizes, either mains-powered or as 24V or 48V DC versions. The compact modules are available with 175 mm, 190 mm and 220 mm diameter in EC technology, and with the additional 225 mm diameter in AC technology. On request, an inlet side guard grille is available as an option. Further sizes are planned for the summer of 2009.



Fig. 1: Compact centrifugal module in EC technology



Fig. 2: Compact centrifugal module in AC technology

About ebm-papst

The ebm-papst Group is the world's leading manufacturer of fans and motors and is a pace setter for the ultra-efficient EC technology. In the last fiscal year, 2007/2008, the company achieved a turnover of 1.076 billion EUR. ebm-papst employs nearly 10,000 employees at 17 production facilities (including those in Germany, China and the USA) and 57 sales offices world-wide. 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.