



Model range extended upwards:

New Plug Fans provide for greater air performance

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ebm-papst has developed the so-called Plug Fan line for energy-efficient use in ventilation and air-conditioning technology. These fans feature GreenTech EC technology, which is already successfully established on the market. In order to cover higher air performance ranges, the existing range has been extended upwards with the sizes 630, 710, 800 and 900.

The backward curved centrifugal fans made of welded aluminium sheet are now available in 12 sizes, with impeller diameters ranging from 250 to 900 mm, providing air performance up to 30,000 m³/h. This means that practically every feasible application is covered, not just in the field of ventilation and air-conditioning technology.

With the aerodynamic shape of their fan wheels and an EC motor integrated directly inside the impeller, Plug Fans represent an efficient and compact unit. The power electronics, which are integrated in the EC motor, allow demand-orientated speed control and are compatible with all common mains voltages - either 200 V to 277 V single-phase A/C voltage or 380 V to 480 V three-phase current supply, depending on the motor type. All versions work with a frequency of 50 or 60 Hz. Air performance and efficiency are not affected by the different frequency. This means that the same fan type can be operated on different power systems without further ado.

The "spider mount" allows a variable installation position of the fans – installation is possible with either a horizontal or a vertical motor shaft position. The large sizes are intended for horizontal installation, where vibration elements can be attached to the base frame to provide isolation from the environment. Additional optional measures can also be realised to enhance resistance to corrosion. This means that the fans can also be used in hygiene equipment.



Fig. 1: Extract from the Plug Fans line featuring GreenTech EC technology



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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 2009/2010, 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.

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