



Press Release

Centrifugal fans with wide optimum efficiency range

Cube design with airfoil blades

Having established itself in the market, the RadiPac series of centrifugal fans from ebm-papst is adding new members. Thanks to aerodynamic improvements, all of the fans in the series work with a wide optimum efficiency range and also feature other practical characteristics. One new feature is their mechanical design, which features a cubic structure.

The practically designed cube modules available for sizes 630 and larger enable users to isolate the fans from their surroundings with rubber isolators or spring elements in order to ensure even quieter operation. An optional guide profile set is still available so the fans can be easily inserted into AHU equipment. There are no grounds to fear flow losses thanks to the aerodynamic design of the cube struts. They can be easily floor-mounted with horizontal or vertical motor shaft. Depending on motor size, the centrifugal fans are also available with the proven support bracket for mounting on equipment walls.

Wide optimum efficiency range

Their wide optimum efficiency range and static overall efficiency of 68% make it possible to operate the fans over a wide range with low power consumption, an advantage if it becomes necessary to change a ventilation system's operating point, for example due to changes in the duct system. Another reason to change operating points could be gradual clogging of the filters in the AHU equipment. The wide optimum efficiency range is the result of ideal interplay among all of the fan's components and the smooth speed control typical of EC motors.

Airfoil blades for reduced weight

Like the RadiPac with support brackets, the cube modules are equipped with the special Airfoil blades made of aluminum, which lower the impeller weight while increasing both stiffness and efficiency. Extensive aerodynamic improvements for all RadiPac models increased the efficiency by more than 13% over earlier models.

Air performance levels up to 40,000 m³/h

The RadiPac fans with cube design are available now in sizes from 630 to 1,000. With drive power of 0.5 to 12 kilowatts and sizes from 250 to 1,000, air performance of up to 40,000 m³/h can now be achieved with the RadiPac centrifugal fans from ebm-papst.

Katrin Lindner
Trade press coordinator
Phone: +49 7938 81-7006
Fax: +49 7938 81-97006
Katrin.Lindner@de.ebmpapst.com

14 March 2017 - Page 1 of 2

Press office contact
ebm-papst Group

Phone: +49-7938-81-7105
presse@de.ebmpapst.com
twitter.com/ebmpapst_NEWS
facebook.com/ebmpapstFANS
youtube.com/ebmpapstDE
www.ebmpapst.com
www.greentech.info/ec-technologie



Press Release

Centrifugal fans with wide optimum efficiency range

Cube design with airfoil blades



Fig. 1: The proven RadiPac centrifugal fans are now available in a practical cube design.

Photo ebm-papst
Characters approx. 2,600, with headings and sub-headings
Keywords EC technology, centrifugal fan
Tags EC fans, RadiPac, Airfoil
Link www.ebmpapst.com/radipac

About ebm-papst

The ebm-papst Group is the world's leading manufacturer of fans and motors. Since it was founded, the technology company has continuously set global market standards. Developments have ranged from electronically controlled EC fans, through aerodynamic improvements of fan blades, on to the resource-conserving selection of materials, with sustainable materials being just one option.

In fiscal year 2015/16, the company achieved sales of almost €1.7 billion. ebm-papst employs approximately 13,000 people at 25 production sites (in Germany, China, the United States and elsewhere) and in 49 sales offices worldwide. Fans and motors from the global market leader can be found in many industries, including ventilation, air conditioning and refrigeration, household appliances, heating, automobiles and drive engineering.

Katrin Lindner
Trade press coordinator
Phone: +49 7938 81-7006
Fax: +49 7938 81-97006
Katrin.Lindner@de.ebmpapst.com

14 March 2017 - Page 2 of 2

Press office contact
ebm-papst Group

Phone: +49-7938-81-7105
presse@de.ebmpapst.com
twitter.com/ebmpapst_NEWS
facebook.com/ebmpapstFANS
youtube.com/ebmpapstDE
www.ebmpapst.com
www.greentech.info/ec-technologie