



Press release

Making something good even better - The new RadiCal centrifugal fan series

ebm-papst's development philosophy follows the philosophy that each newly developed product must surpass its predecessor in terms of economy and environmental responsibility. The new low-pressure centrifugal fan series, RadiCal® is a proof of this. It is primarily used in applications involving ventilation and air-conditioning technology.

Range

The complete RadiCal® series using EC technology includes diameter sizes from 133 to 630mm. A simple, mechanical 1:1 replacement of existing AC solutions is possible using EC technology thanks to identical dimensions for most sizes. Increased energy efficiency, continuous open loop speed control and high power density are part of the package, with short installation times.

Speed control

RadiCal fans can be speed controlled using 0-10V; sizes 280mm and above are also equipped with MODBUS. The motor's improved thermal management guarantees extremely high efficiency and ensures high IP protection.

Impeller

The impeller made of high-quality composite material provides high mechanical strength and resistance to ambient influences. In addition, using composite materials allows optimum flow regulation. This avoids turbulence and flow separation, resulting in increased efficiency and extremely low noise.

High efficiency surpassing all standards

RadiCal fans already far surpass the minimum legal requirements for electrically powered fans. The Eco-design Directive 327/2011 EU stipulates the minimum efficiency level for new fans on the market driven by motors with an electric input power of more than 125 watts. Their efficiency already surpasses the new MEPS industry standard for electrically powered fans.

Application areas

In addition to traditional applications in ventilation and air-conditioning technology, RadiCal fans are used in heat pumps, home ventilation with heat recovery, clean room ceilings and roof fans.

Press contact:
Caroline Bommès
Communications Coordinator

ebm-papst A&NZ Pty Ltd
10 Oxford Road
Laverton North VIC 3026
Australia
Phone: +61 3 9360 6400
Fax: +61 3 9360 6464

caroline.bommès@au.ebmpapst.com
<http://www.ebmpapst.com.au>

facebook.com/ebmpapstANZ
twitter.com/ebmpapstANZ
youtube.com/ebmpapstANZ
19/03/13- Page 1 of 2



Press release



Figure 1: EC RadiCal centrifugal fans range from 133 to 630mm diameter.
(photo: ebm-papst Mulfingen)

Press contact:
Caroline Bommès
Communications Coordinator

ebm-papst A&NZ Pty Ltd
10 Oxford Road
Laverton North VIC 3026
Australia
Phone: +61 3 9360 6400
Fax: +61 3 9360 6464
caroline.bommès@au.ebmpapst.com
<http://www.ebmpapst.com.au>

facebook.com/ebmpapstANZ
twitter.com/ebmpapstANZ
youtube.com/ebmpapstANZ
19/03/13- Page 2 of 2

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 EC technology. ebm-papst fans and motors are represented in many industries, including ventilation, air-conditioning and refrigeration technology, household appliances, heating engineering, in IT/telecommunications, in medical technology and in applications in automotive and commercial vehicles engineering. ebm-papst EC motor technology, and the market leader's engineering and logistics expertise will add value to your business.

Find out more about ebm-papst A&NZ on www.ebmpapst.com.au