

ebm-papst at electronica virtual

Axial and diagonal compact fans for electronics cooling

electronica, the world's leading electronics trade show, will take place exclusively online from November 9-12, 2020. At electronica virtual, ebm-papst will be showcasing the new DiaForce diagonal compact fan and the AxiForce compact fan, both of which can be used to cool high-performance electronics in telecommunications or automation.

Electronics cooling is becoming a challenge due to constantly increasing density and performance requirements. In keeping with these challenges, ebm-papst has developed two different fans: The AxiForce axial compact fan and the new DiaForce diagonal compact fan.

Diagonal instead of axial

As with an axial compact fan, the new diagonal compact fan from ebm-papst also takes air in and blows it out axially. Compared to a centrifugal fan, this design is advantageous when integrating it into the application. But the DiaForce's secret lies in the unique geometry of its impeller and housing. This minimizes turbulence and increases the pressure increase at the same time. This aerodynamic optimization significantly reduces noise by 6 dB(A) and provides up to 50% higher air performance. This is especially important for cooling electronics with high availability requirements, e.g. in data centers or base stations for mobile communications. The first samples of the DiaForce are already available, series production will start in spring 2021.

High pressure, small space

The AxiForce fans were developed for applications with high back pressure, such as those found in variable frequency drives, robot controllers and LED displays. The fans feature aerodynamically optimized impellers and fan housings - the AxiForce 80 achieves up to a 42% increase in efficiency and reduces noise emissions by 7 dB (A). The AxiForce is also available with fully encapsulated electronics that are dust-proof and protected against strong water jets, i.e. conforming to IP68. A version for higher EMC requirements according to DIN EN 55032 class B is also available as an option. The AxiForce series is available in sizes 80x80x38, 120x120x38 and 172x150x51 mm.

electronica virtual is open around the clock from November 9-12, 2020 and there is no charge to visit the virtual product presentations. For more information and registration, visit <https://electronica.de/en>.

Katrin Lindner
Referentin Fachpresse
Telefon: +49 7938 81-7006
Katrin.Lindner@de.ebmpapst.com

Corinna Schittenhelm
Referentin Fachpresse
Telefon: +49 7938 81-8125
Corinna.Schittenhelm@de.ebmpapst.com

16. October 2020 - Blatt 1 von 2

Kontakt zur Pressestelle
Unternehmensgruppe

Telefon +49 7938 81-7105
twitter.com/ebmpapst_news
facebook.com/ebmpapstFANS
youtube.com/ebmpapstDE
www.ebmpapst.com

ebm-papst at electronica virtual

Axial and diagonal compact fans for electronics cooling



Fig. 1: The AxiForce compact fans from ebm-papst cool compact power electronics, among other things; here in the 172x150x51 mm version.

Photo 1 ebm-papst
Characters approx. 2,400, including headings and sub-headings
Tags electronica, compact fan, power electronics, electronics cooling, diagonal compact fans
Link <https://electronica.de/en/>

Über ebm-papst

Die ebm-papst Gruppe, Familienunternehmen mit Hauptsitz in Mulfingen, Baden-Württemberg, ist weltweit führender Hersteller von Ventilatoren und Antrieben. Seit der Gründung 1963 setzt der Technologieführer mit seinen Kernkompetenzen Motortechnik, Elektronik und Aerodynamik internationale Marktstandards. Mit über 20.000 Produkten bietet ebm-papst passgenaue, energieeffiziente und intelligente Lösungen für praktisch jede Anforderung in der Luft- und Antriebstechnik.

Im Geschäftsjahr 2019/20 erzielte der Hidden Champion einen Umsatz von 2,188 Milliarden Euro und beschäftigt knapp 15.000 Mitarbeiterinnen und Mitarbeiter an 29 Produktionsstätten (u. a. in Deutschland, China und den USA) sowie 48 Vertriebsstandorten weltweit. Den Benchmark bei Ventilatoren- und Antriebslösungen setzt ebm-papst in nahezu allen Branchen wie z. B. in der Lüftungs-, Klima- und Kältetechnik, Heiztechnik, Automotive, Informationstechnologie, Maschinenbau, Gastronomie und Haushaltsgeräte, Intralogistik sowie Medizintechnik.

Katrin Lindner
Referentin Fachpresse
Telefon: +49 7938 81-7006
Katrin.Lindner@de.ebmpapst.com

Corinna Schittenhelm
Referentin Fachpresse
Telefon: +49 7938 81-8125
Corinna.Schittenhelm@de.ebmpapst.com

16. October 2020 - Blatt 2 von 2

Kontakt zur Pressestelle
Unternehmensgruppe

Telefon +49 7938 81-7105
twitter.com/ebmpapst_news
facebook.com/ebmpapstFANS
youtube.com/ebmpapstDE
www.ebmpapst.com