

Sunon's EC refrigeration fans consume 80% less energy and offer ATEX certification

Sunon, the market leading specialist in cooling technology solutions, has released its range of super high-performance EC axial cooling fans for applications such as commercial refrigerators, freezers and wine cabinets. Powered by high-efficiency brushless DC motors (served by an AC power supply), EC series fans offer a reduction in power consumption of around 80% compared with conventional shaded-pole AC motors. Importantly, ATEX-certified models are also available within the range, along with IP68 waterproof/dustproof variants.

There are five models in the EC series, three of which are square, measuring 120 by 120 mm and 38 mm deep. These variants offer 1.8 to 5.1 W power, 2000 to 3500 rpm speed and 64.3 to 109 CFM air flow. There are also two circular models. The first measures 200 mm in diameter by 77.7 mm deep, and provides power from 3.2 to 6.6 W, speed from 950 to 1400 rpm and air flow from 186 to 278.8 CFM. This variant is also available with an ultra-low operating capability of -40°C. The smaller diameter model (90 mm) measures 82 mm deep and offers 16 W maximum power and 1550 rpm constant speed.



Alongside these high-performance attributes, all models in the EC range are available with ATEX explosion-proof certification. This has become an important industry demand since the use of HCFCs (hydrochlorofluorocarbons) in new equipment was banned. Manufacturers of new refrigeration equipment have consequently started to use environmentally-friendly alternatives such as R600a, which has some explosion potential if a leak should occur.

With this in mind, Sunon's new EC ATEX-certified fans deploy more precise and safe electrical components within its circuitry to help reduce and stabilise motor heat. Furthermore, ATEX testing ensures that no spark is produced in the event of fan locking or a short circuit, and that only low heat emanates from any exposed surfaces. In fact, the maximum hot spot for an EC fan is 61.2°C, which in comparison with the typical flammable temperature for modern refrigerant of 80°C, ensures ample safety margin for all commercial cold storage applications.

EC fans are also available in IP68 dust and waterproof models. Here, the entire motor is wrapped using a patented protection technique. Further advantages include low noise output and ease of installation – just four mounting screws are required.

About the Sunon Group

One out every three notebook in the world uses SUNON heat cooling solutions. Established in 1980 and headquartered in Taiwan, Sunonwealth (the Sunon Group) is the world leader in heat transfer solutions for notebooks and industrial applications. With 5 manufacturing plants in China and Taiwan and R&D Centres in

Taiwan, China, Japan, America and Europe, and a workforce of over 4000, Sunon has a veritable global presence.

About Sunon Europe

SUNON Europe, created in 2000, based in France, offers the technical and sales support with a team of local experts.. Sunon Europe is making steady inroads into high-demanding sectors such as mobile telecommunications products, automotive, video and audio projectors, LED lighting and large domestic electric appliances

To learn more about the products from Sunon, please contact the office or visit the global wesite directly at <http://www.sunon.com>

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