



Press Release

For refrigerated display cases and bottle coolers

NiQ: The latest generation of energy-saving motors

The NiQ, a drive motor for cool air distribution in evaporators and for cooling in condensers, is the logical advanced development of the proven iQ motor series from ebm-papst. The EC motor features an impressive efficiency improvement and optimized costs. It is even suitable for use in the food sector.

Conventional shaded-pole motors have long since been a thing of the past when it comes to choosing a motor for condensers and evaporators. The successful iQ motor series from ebm-papst is significantly more intelligent and environmentally friendly – after all, it uses high-efficiency GreenTech EC technology. Many supermarket chains already use the motors in their refrigerated display cases and bottle coolers. The NiQ is the company's latest generation. The compact motor combines proven properties with a new design, both inside and outside. The developers made the “next-generation iQ” even more efficient and above all, more economical.

In accordance with the low speeds the applications typically require, the motor has been optimized to 800 to 2,000 rpm and the corresponding torque. This has a positive impact on efficiency and smooth operation. The developers have replaced the aluminum housing with plastic, which is not only more environmentally friendly but also qualifies for approval for applications with indirect food contact – for example, in open vegetable display cases. And the new winding technique leads to improved thermal characteristics.

The NiQ is available in three sizes with an output power of 5, 12, and 18 W respectively. From the technical viewpoint, they replace several sizes of the old AC motor technology used in the Q motor. The NiQ is not only ideal for new developments – customers recover their investment in retrofitting existing applications within an extremely short time.

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Fig.1: The new NiQ motor is even more efficient than its predecessors.

Photo: ebm-papst

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, and on to the resource-conserving selection of materials, with sustainable materials being just one option.

In fiscal year 2014/15, the company achieved a turnover of almost €1.6 billion. Throughout the world, ebm-papst employs around 12,000 people at 18 production sites (including in Germany, China and the USA) and in 57 sales offices. Fans and motors from the global market leader can be found in many industries, including ventilation, air conditioning and refrigeration, household appliances, heating, IT and telecommunications, as well as automotive and commercial vehicles.

About ebm-papst Landshut

ebm-papst Landshut is a specialist and market leader for developing and manufacturing fans, fractional hp motors and pumps for energy-efficient heating and household appliance technology. In collaboration with customers, the company realizes optimal solutions that take quality, economic efficiency, safety and environmental protection into consideration. The products from ebm-papst Landshut stand for pioneering, highly reliable solutions – for example, as blowers in condensing boilers, hot-air fans for stoves and condensate pumps for tumble driers.

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