



Press Release

For applications requiring decentralized heating solutions

Gas blower for large-scale applications up to two megawatts

With the new G3G 315, ebm-papst is expanding its product portfolio to include another high-performance gas blower that permits a heat output of up to 2 MW for the first time. It opens up new possibilities – especially for applications requiring decentralized heating solutions.

The new gas blower is based on the proven, high-efficiency GreenTech EC technology. It features all the known advantages of electronically commutated motors. For the first time, heat output of up to 2 MW – enough to heat skyscrapers or entire housing developments – is possible with a single blower. Now planners have completely new options, including decentralized heating solutions that, unlike district heating power plants, minimize construction expenses and heating losses from long pipes. In combination with GreenTech EC technology, users can achieve enormous savings.

The aerodynamics of the impeller and the housing of the G3G 315 have been optimized, and the development team was able to realize extremely compact dimensions at high power densities. A higher modulation level allows the output to be adapted to a wide variety of requirements. And the speed can be infinitely adjusted via a PWM or 0-10 V interface. The blower operates in an input voltage range of 380-480 V – a variant with 200-240 V is currently in development.

The developers are also taking the trend to industry 4.0 into account: a MODBUS-RTU interface which can be used to control actuators and sensors, for example, has been integrated into the G3G 315. In addition to saving a variety of configurations, it facilitates monitoring functions. For customers, the use of MODBUS means greater operating convenience and greater reliability.

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Fig. 1: High output and a compact design: the G3G 315 megawatt blower

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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