Highest output for the highest buildings.

The first GreenTech EC blower for large-scale applications up to 2 megawatts.
ebm-papst offers a unique and extensive range of high-efficiency GreenTech EC centrifugal blowers for manufacturers of condensing boilers. These blowers cover a heat output range between 0.5 and 2,000 kilowatts while saving energy and working quietly and reliably.

Our product line begins with the NRG 77, and includes among others the NRG 118, NRG 137, G1G 170 and G3G 250 MW blowers – and our new top model, the G3G 315. On request, we deliver our blowers as system solutions including venturi, gas valve and combustion controller – with all components perfectly matched.

Six reasons that make us the ideal partner:

**Our systems expertise.** As experts in advanced motor technology, electronics and aerodynamics, we provide system solutions from a single source.

**Our spirit of invention.** Our 600 engineers and technicians will develop a solution that precisely fits your needs.

**Our lead in technology.** Our GreenTech EC technology is setting standards worldwide. And our lead is your competitive advantage.

**Proximity to our customers.** At 57 sales offices worldwide.

**Our standard of quality.** Our quality management is uncompromising, at every step in every process.

**Our sustainable approach.** We assume responsibility with our energy-saving products, environmentally-friendly processes, and social commitment.

As a leader in technologies for ventilation and drive engineering, ebm-papst is in demand as an engineering partner in many sectors. With over 15,000 different products, we provide the right solution for just about any challenge. Our fans and drives are reliable, quiet and energy-efficient.
High performance for high requirements.

The G3G 315 blower sets the new standard in top performance – not only in our product range but in condensing boiler technology as a whole. For the first time, heating output of up to 2 MW is possible with a single compact blower, enough to heat a 50-story building or a housing development with 50 family homes.

Now planners have completely new options, such as decentralized heating solutions that minimize construction expenses and heating losses from long pipes. In combination with our GreenTech EC technology, enormous savings are possible.

High power density
- The first blower for output of up to 2 MW
- Extremely compact
- Ideal for decentralized heating solutions

Maximum energy efficiency
- GreenTech EC motor
- Aerodynamically optimized impeller and housing

High flexibility
- Smoothly adjustable speed
- EC technology for high degree of modulation
- PWM and 0–10 V interfaces
- Power supply 3~ 380–480 VAC and 50/60 Hz*
- Maximum ambient temperature +60 °C

* 200–240 V version in development
High performance in small packages.

- **Material:** Housing: Cast aluminum
  Fan impeller: Sheet aluminum
  Rotor: painted black
- **For AC mains supply, see operating instructions**

### Nominal data

<table>
<thead>
<tr>
<th>Type</th>
<th>Voltage</th>
<th>Frequency</th>
<th>Max. air flow</th>
<th>Max. pressure increase</th>
<th>Max. power consumption</th>
<th>Max. speed</th>
<th>Max permissible motor ambient temperature</th>
<th>Permissible medium temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>G3G 315 – M3G 150FF</td>
<td>3–380–480*</td>
<td>50/60</td>
<td>4,300</td>
<td>6,200</td>
<td>6,000</td>
<td>6,000</td>
<td>60</td>
<td>50</td>
</tr>
</tbody>
</table>

*200–240 V version in development
Data sheets available upon request. Data is subject to change without notice at ebm-papst discretion.

Dimensions in mm.
Blower must be adequately supported.
Hook up and save energy.

Characteristic curve

![Characteristic curve graph]

Integrated RS485 MODBUS RTU interface

This open standard has established itself as the standard for open-loop control of actuators and sensors. With three data records per EC device, in addition to storing different configurations, it can also be used to implement backup functionality. The RS485 MODBUS RTU features both outstanding ease of use and reliability.

Subject to change