

Sky-high *performance.*

With VG 250 to VG 450, ebm-papst offers a worldwide unique portfolio of premix gas blowers for industrial gas heating technology up to 4MW.

ebmpapst

the engineer's choice



Towering above *the rest*.

The VG 450 gas blower sets the new standard in top performance – and not only in our portfolio. Instead, in condensing technology as a whole.

High *power density*

- + The first blower for input rates up to 4MW
- + Extremely compact
- + Ideal for decentralized heating solutions

High *flexibility*

- + Smoothly adjustable speed
- + EC technology for high modulation
- + Interfaces: MODBUS, PWM, 0–10V
- + Voltage: 380–480V and 50/60Hz
- + Maximum ambient temperature: +60°C

Maximum *energy efficiency*

- + GreenTech EC motor
- + Aerodynamically optimized impeller and housing

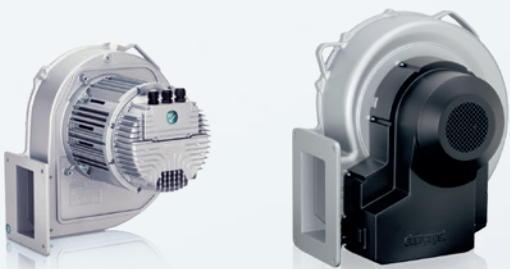




Discover
all the advantages
of VG 450.

Premix gas blowers
from ebm-papst
are *the solution* for
high performance
in innovative
condensing technology
*that saves the most
space and energy.*

For you, this means:
high power density,
maximum energy
efficiency and high
flexibility.



ebm-papst offers a uniquely extensive spectrum of high-efficiency GreenTech EC centrifugal blowers to manufacturers of condensing boilers. Depending on the conditions of use, these blowers can deliver between 0.5kW and 4MW of heat output quietly and reliably, while saving energy. The product range starts at VG 71 and includes among others the VG 100, VG 108, G1G 170, VG 250 and VG 315 blowers. The top-performer in our series for condensing technology is the latest model: VG 450.

The great advantage: For the first time, heat outputs up to 4MW can be realized with a single, compact blower. That is enough to heat a high-rise residential tower or a housing development with 200 homes or more.

Planners now have an entirely new set of options. For example, a decentralized heating solution direct in the residential complex. This minimizes both the effort involved in construction and heat loss from long pipes. VG 450 blowers are equipped with GreenTech EC technology, which leads to considerable cost savings.



A milestone for *industrial condensing boiler technology*.

Significantly higher efficiency *for local heating*.

Our premix gas blowers with GreenTech EC technology are available in a variety of output levels and have a track record of successful application worldwide. For heating modern residential towers, large building complexes or entire housing developments.

A single device enables:

- Heating output up to 4MW, depending on the conditions of use.
- Loss-free transport of energy via simple gas pipes.
- Sustainable savings on operating and maintenance costs.
- Uncomplicated realization of centralized heating solutions in larger building complexes.

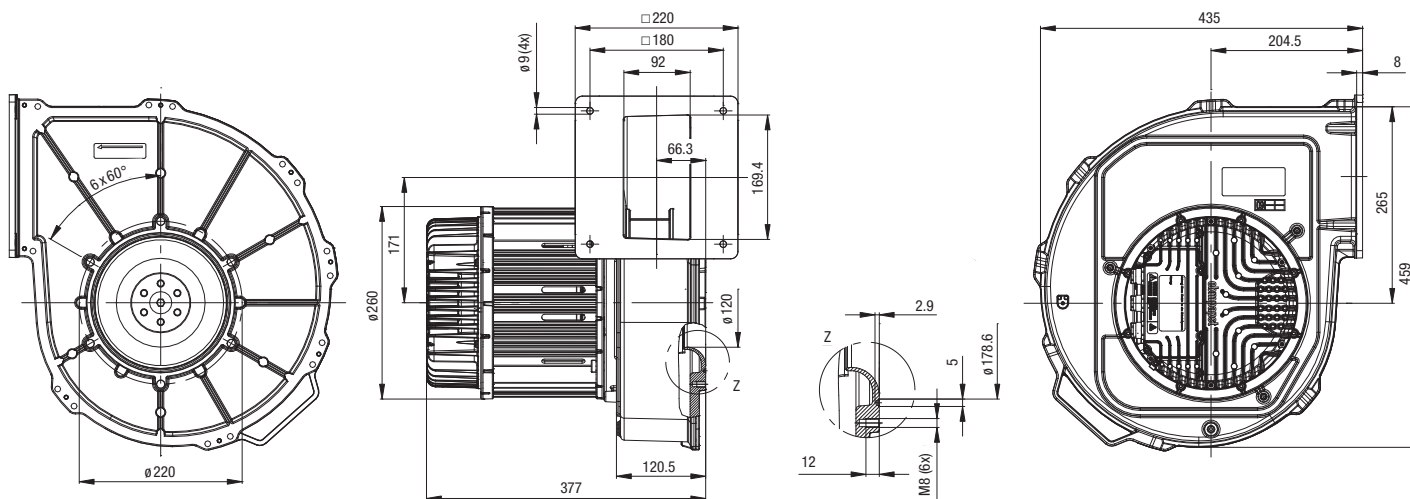
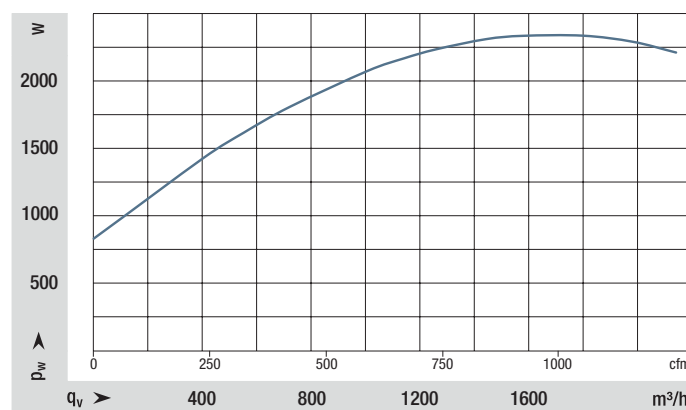
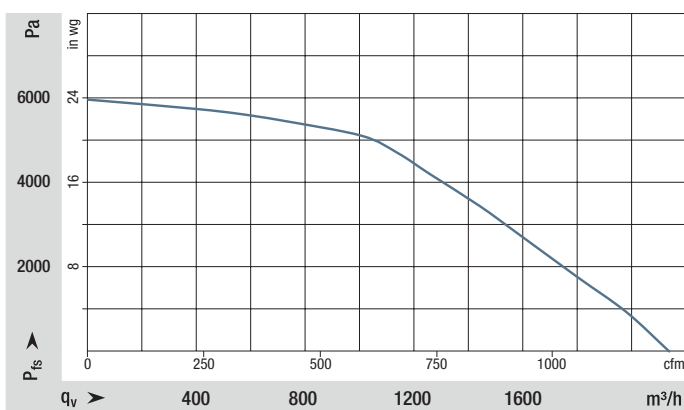


VG 250



Description

- **Material:**
Housing: Cast aluminum
Fan impeller: Sheet aluminum
Electronics housing: Die-cast aluminum
- **Electrical interface description**
see operating instructions



Nominal data

Type	Voltage	Frequency	Max. power consumption	Max. speed	Max. perm. motor ambient temperature	Max. perm. flow medium temperature	Weight	Part number
VGR0250XTRHS	3-380-480	50/60	2500	6400	50	50	24	55600.06010

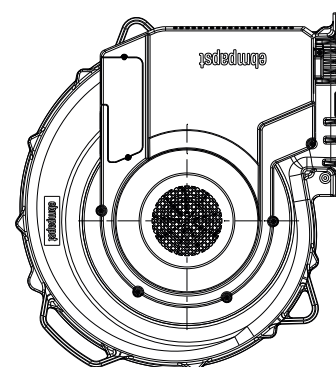
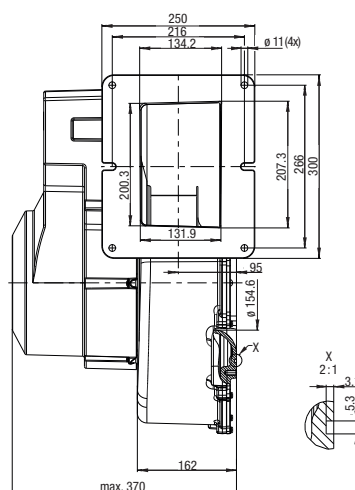
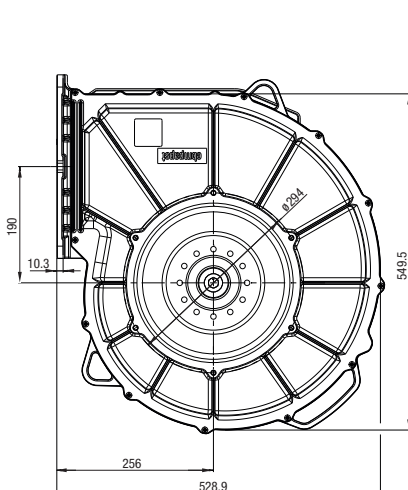
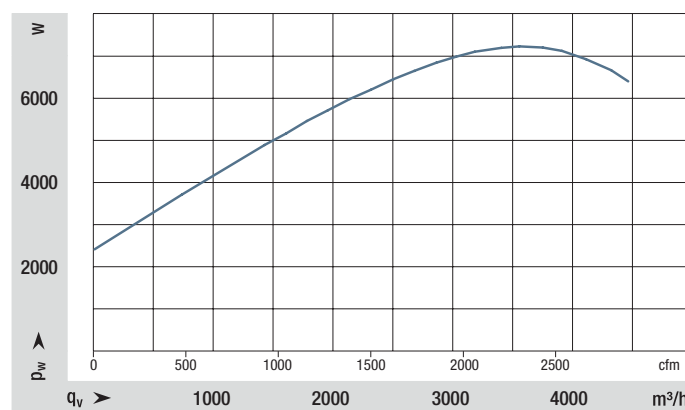
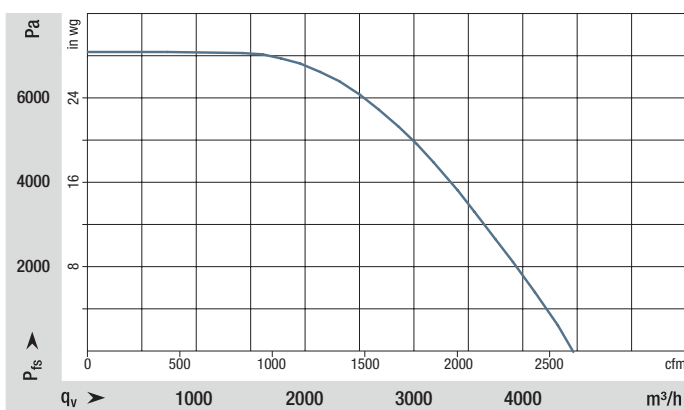
Subject to technical changes. Dimensions in mm.

VG 315



Description

- Material:
Housing: Cast aluminum
Fan impeller: Sheet aluminum
- Electrical interface description
see operating instructions



Nominal data		Voltage	Frequency	Max. power consumption	Max. speed	Max. perm. motor ambient temperature	Max. perm. flow medium temperature	Weight	Part number
Type	V	Hz	W	min ⁻¹	°C	°C	kg		
VGR0315XTTLS	3-380-480	50/60	8000	6000	60	60	36		55600.07000*
VGR0315XTTLS	3-200-240	50/60	8000	6000	50	60	36		55600.07030

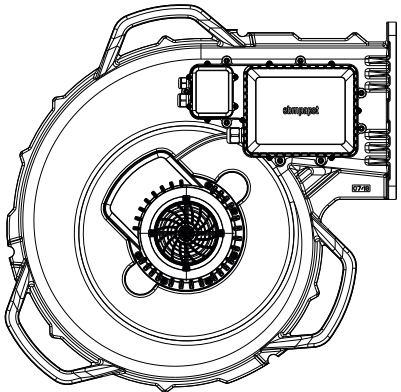
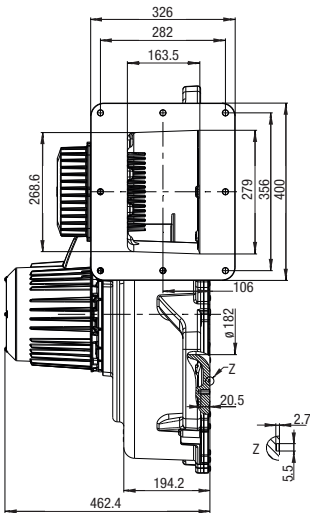
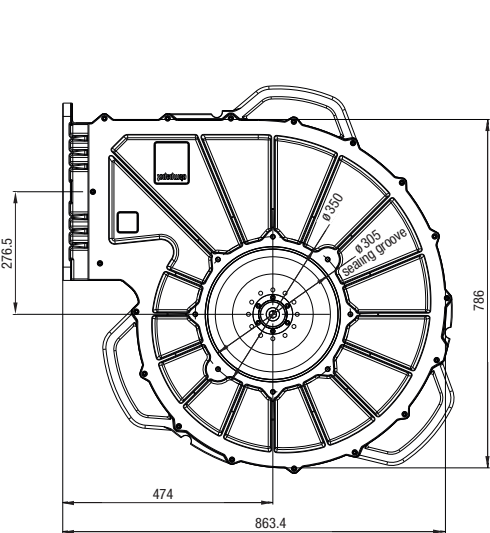
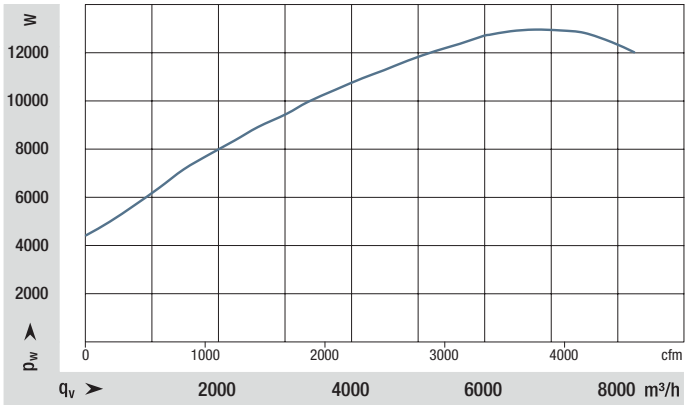
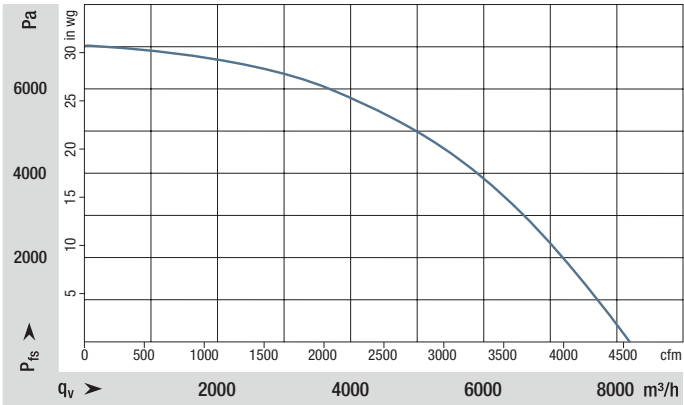
Subject to technical changes. *Also available with 0-10V interface. Dimensions in mm.

VG 450



Description

- Material:
Housing: Cast aluminum
Fan impeller: Sheet aluminum
Electronics box: Die-cast aluminum
- Electrical interface description
see operating instructions



Nominal data		Voltage	Frequency	Max. power consumption	Max. speed	Max. perm. motor ambient temperature	Max. perm. flow medium temperature	Weight	Part number
Type	V	Hz	W	min ⁻¹	°C	°C	kg		
VGR0450XTTPS	3-380-480	50/60	14000	4250	40 (short-term 60)	50	85	55600.08010	

Subject to technical changes. Dimensions in mm.

About ebm-papst.

As a leading supplier of ventilation and drive engineering technology, ebm-papst is a highly respected engineering partner in many industries. With over 15,000 different products, we can provide the right solution for almost any application. And all of our fans and drives are reliable, quiet running and energy efficient.

We are *pleased to help!*

Let's find out how ebm-papst can work with you to make your company and your solutions even better. We look forward to it.

Your contact:

hte@de.ebmpapst.com

ebmpapst

the engineer's choice

Six reasons that make us the ideal partner:

- 1. Our systems expertise.**
As experts in advanced motor technology, electronics and aerodynamics, we provide system solutions from a single source.
- 2. Our spirit of invention.**
Our 600 engineers and technicians will develop a solution that precisely fits your needs.
- 3. Our lead in technology.**
With our EC technology and GreenIntelligence, we combine the highest energy efficiency with the advantages of IoT and digital networking.
- 4. Closeness to our customers.**
Through our numerous sales offices worldwide.
- 5. Our standard of quality.**
Our quality management is uncompromising, at every step in every process.
- 6. Our sustainable approach.**
We assume responsibility with our energy-saving products, environmentally-friendly processes, and social commitment.

www.ebmpapst.com

ebm**papst**

the engineer's choice



Discover
*all the advantages
of VG 450.*

ebm-papst
Landshut GmbH & Co. KG

Hofmark-Aich-Straße 25
84030 Landshut
Germany
Phone +49 871 707-0
Fax +49 871 707-465
info3@de.ebmpapst.com