K3G310-AY90-N1 ebmpapst 400V EC Centrifugal Fan

SKU: K3G310-AY90-N1

Price: $3,696.04

Categories: Fans

Tags: ebmpapst

Product Link:
https://www.elecspares.com/product/k3g310-ay90-n1-ebmpapst-400v-ec-centrifugal-fan/

Product Description

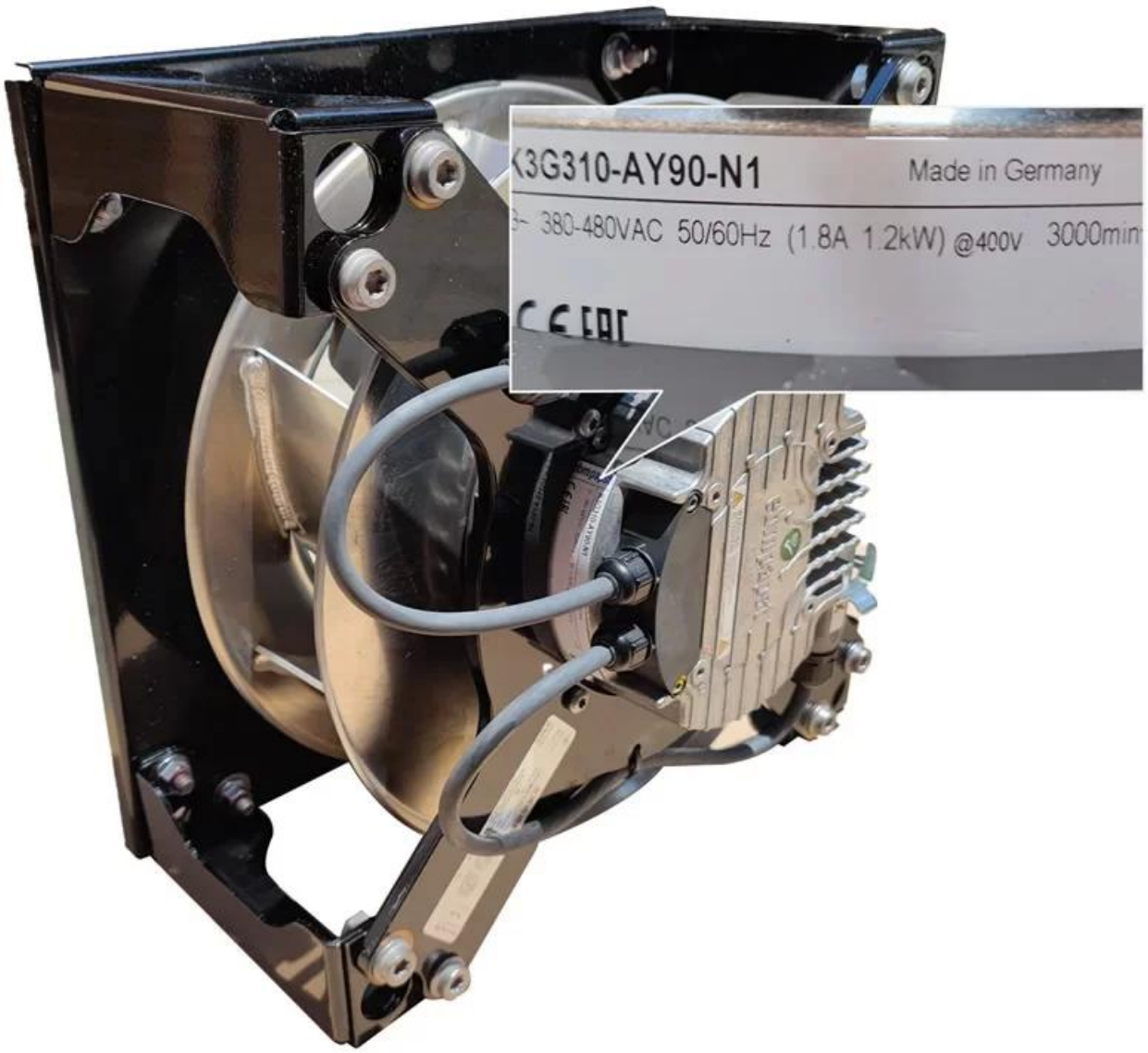
The ebmpapst K3G310-AY90-N1 is a high-performance EC Centrifugal Fan with an impeller size of 310 mm, operating on a nominal voltage of 400 V AC within a wide range of 380 V to 480 V AC at 50/60 Hz. This highly efficient, three-phase (3~) fan is engineered with GreenTech EC technology, achieving a high speed of 3000 RPM and drawing 1.8 A of current at a power input of 1200 W. Featuring robust ball bearings and an IP55 degree of protection, the K3G310-AY90-N1 is designed for demanding industrial air movement applications, making it an excellent choice for ventilation, heating, and cooling systems where high air pressure and energy efficiency are critical.

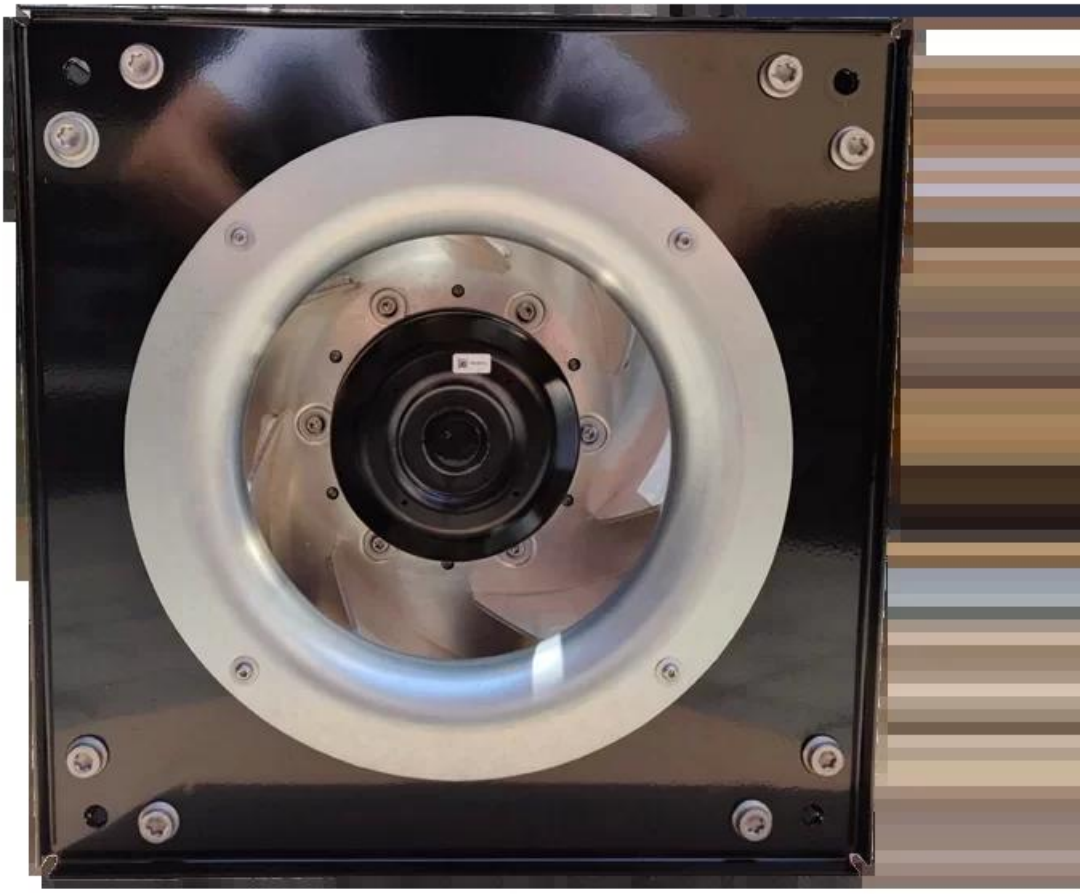
K3G310-AY90-N1 Fan Parameters
Model: K3G310-AY90-N1
Manufacturer: ebmpapst
Type: Centrifugal Fan (EC Technology)
Motor: M3G112-EA
Nominal Voltage: 400 V AC
Nominal Voltage Range: 380 V…480 V AC
Frequency: 50/60 Hz
Phase: 3~
Speed: 3000 RPM
Power Consumption: 1200 W
Current Draw: 1.8 A
Size: 310 mm
Max. Ambient Temperature: 60 °C
Min. Ambient Temperature: −40 °C

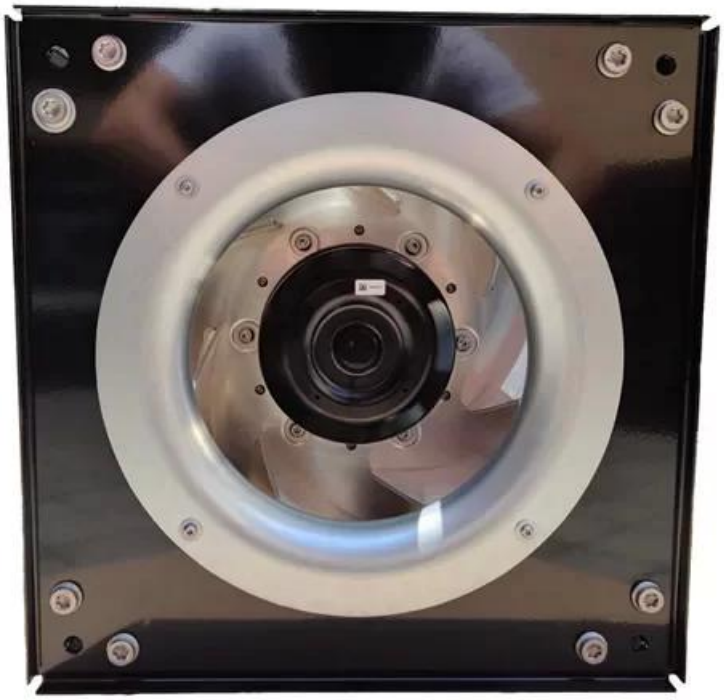
Insulation Class: F
Degree of Protection: IP55
Motor Bearing: Ball Bearing (sealed)
Impeller Material: Sheet aluminum
Electronics Housing Material: Die-cast aluminum
Number of Blades: 7
Direction of Rotation: Clockwise, viewed toward rotor
Technical Features: Integrated PID controller, RS-485 MODBUS-RTU, Soft start
Weight 15 kg

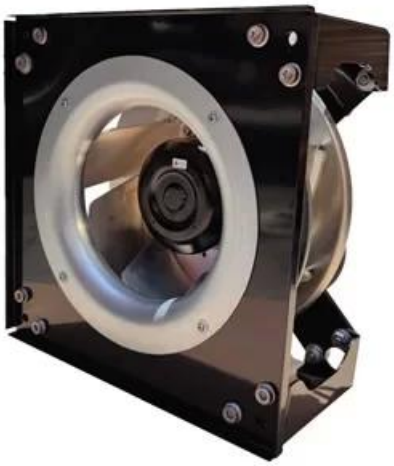
Application
The K3G310-AY90-N1 is specifically engineered for high-pressure industrial applications requiring precise air control and exceptional efficiency. Its robust design and EC technology make it suitable for large-scale ventilation systems, air handling units (AHUs), commercial and industrial refrigeration, and in specialized drying or heating equipment where a highly controllable, reliable, and energy-saving air flow is required.

Product Images


K3G310-AY90-N1
Made in Germany
380-480VAC 50/60Hz (1.8A 1.2kW) @400v 3000min







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