

W3G910-KV12-03/F01 ebmpapst 400VAC 910mm EC Axial Fan

SKU: W3G910-KV12-03/F01

Price: \$4,142.62

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/w3g910-kv12-03-f01-ebmpapst-400vac-910mm-ec-axial-fan/>

Product Description

The ebmpapst W3G910-KV12-03/F01 is a heavy-duty industrial EC axial fan with a nominal voltage of 400 VAC and dimensions of 1070 x 1070 x 338 mm, specifically engineered for large-scale ventilation and air handling units with limited installation depth. Driven by a high-efficiency M3G150-NA GreenTech EC external rotor motor with a power consumption of 3200 W and a current draw of 4.9 A, this unit features a robust dual ball bearing system designed for continuous S1 duty in demanding environments. Its aerodynamic design with a 910 mm impeller delivers a massive airflow of 25680 m³/h at its optimum efficiency point, making it highly effective at maintaining air circulation in industrial halls and commercial HVAC systems. Constructed with a galvanized and black plastic-coated sheet steel housing and a die-cast aluminum electronics enclosure, this 54 kg fan provides a dependable and energy-saving cooling solution with integrated Modbus-RTU interface and thermal overload protection for data centers and large-scale infrastructure at the end.

W3G910-KV12-03/F01 Fan Parameters

Model Number: W3G910-KV12-03/F01

Manufacturer: ebmpapst

Motor Model: M3G150-NA

Series: W3G Series

Type: EC Axial Fan

Impeller Size: 910 mm

Dimensions: 1070 x 1070 x 338 mm

Weight: 54 kg

Bearing Type: Ball bearing

Nominal Voltage: 400 VAC (3-phase)

Voltage Range: 380 - 480 VAC

Frequency: 50 / 60 Hz

Power Consumption: 3200 W

Nominal Current: 4.9 A

Speed: 1050 RPM

Max. Air Flow: 62.23 CFM (105.7 m³/h / 1.76 m³/min)

Max. Static Pressure: 9.81 mmH₂O (96.24 Pa / 0.39 inH₂O)

Actual Air Flow: 25680 m³/h (@ optimum efficiency)

Actual Static Pressure: 260 Pa (Max. back pressure)

Sound Power Level: 6.7 bel(A)

Motor Design: Brushless EC motor (External rotor)

Motor Protection: Thermal overload protection; Reverse polarity and locked-rotor protection

Technical Features: MODBUS V6.3 (RS-485); Integrated PI controller; Soft start; 0-10 VDC / PWM input; Tacho output; Alarm relay; Operation/Alarm LED

Insulation Class: Class F

Electrical Hookup: Terminal box

Number of Blades: 5

Blade Pitch: 0°

Direction of Rotation: Clockwise, viewed toward rotor

Airflow Direction: V (Exhaust over struts)

Impeller Material: PP plastic

Housing Material: Sheet steel, galvanized and plastic-coated (RAL 9005)

Electronics Housing: Die-cast aluminum, painted gray

Guard Grille Material: Steel, plastic-coated (RAL 9005)

Installation Position: Any

Degree of Protection: IP55

Environmental Protection: H2

Operating Temperature: -40 - +60 °C

Storage Temperature: -40 - +80 °C

Standard Compliance: EN 61800-5-1; CE

Approval Agency: EAC; CSA C22.2 No. 77; UL 1004-7

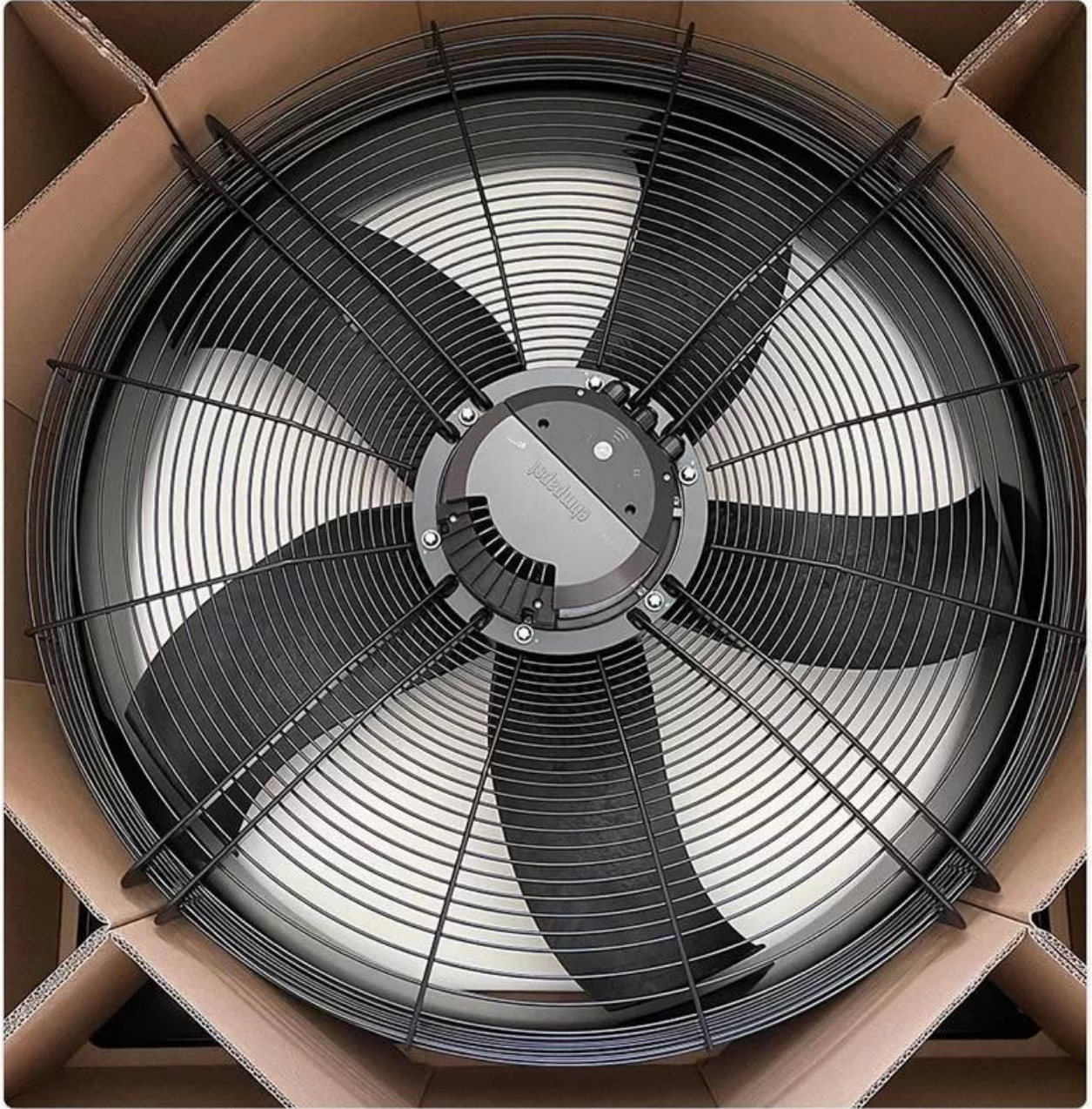
Application

The ebmpapst W3G910-KV12-03/F01 EC fan is primarily utilized in large air handling units, industrial ventilation systems, data center cooling walls, and rooftop HVAC heat exchangers.

Product Images







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