

W2G110-AK43-31 ebmpapst 24V 119x119x38mm EC Axial Fan

SKU: W2G110-AK43-31

Price: \$117.42

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/w2g110-ak43-31-ebmpapst-24v-119x119x38mm-ec-axial-fan/>

Product Description

The ebmpapst W2G110-AK43-31 is a high-performance 24 VDC EC Axial Fan with dimensions of 119 x 119 x 38 mm, specifically engineered for precision thermal management in industrial frequency converters and electrical control cabinets. Driven by a highly efficient M2G045-BA GreenTech EC motor with integrated control electronics and a power consumption of 15.0 W, this precision unit operates at a high speed of 4400 RPM, delivering a powerful airflow for efficient heat extraction. Constructed with a ruggedized die-cast aluminum wall ring and a 5-blade sheet steel impeller system (both coated in black) featuring high-precision ball bearings and a plug-in electrical interface, this 0.49 kg unit provides a dependable and intelligent air-moving solution with reverse polarity and locked-rotor protection, ensuring maximum cooling performance and long-term mechanical stability for high-power inverters, variable frequency drives (VFD), and integrated electrical switchgear systems at the end.

W2G110-AK43-31 Fan Parameters

Model Number: W2G110-AK43-31

Manufacturer: ebmpapst

Motor Model: M2G045-BA

Series: W2G 110 Series

Type: EC Axial Fan

Impeller Size: 110 mm

Dimensions: 119 x 119 x 38 mm

Weight: 0.49 kg

Bearing Type: Ball bearing

Nominal Voltage: 24 VDC

Voltage Range: 16.0 - 28.0 VDC

Power Consumption: 15.0 W

Nominal Current: 0.63 A

Speed: 4400 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: 190.0 m³/h

Actual Static Pressure: 100.0 Pa

Noise Level: 55.0 dB(A)

Motor Protection: Reverse polarity and locked-rotor protection

Insulation Class: Class B

Electrical Hookup: With plug

Number of Blades: 5

Direction of Rotation: Counter-clockwise, viewed toward rotor

Airflow Direction: "A" (Air intake over struts)

Housing Material: Die-cast aluminum, coated in black

Impeller Material: Sheet steel, coated in black

Installation Position: Any

Operating Temperature: -25 - +72 °C

Storage Temperature: -25 - +80 °C

Degree of Protection: IP22

Standard Compliance: EN 60950-1

Approval Agency: CSA C22.2 Nr.113; UL 507

Application

The ebmpapst W2G110-AK43-31 EC fan is primarily utilized in industrial frequency converters, power inverters, and electrical control cabinet heat dissipation systems.

Product Images









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