

W2E143-AB09-11 ebmpapst 230VAC 172x172x51mm Axial Fan Datasheet



Brand: ebmpapst

SKU: [956272761591](#)

Category: Axial & Centrifugal Fans

Price: **\$168.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/w2e143-ab09-11-ebmpapst-230vac-172x172x51mm-axial-fan>

Product Description

The ebmpapst W2E143-AB09-11 is a robust AC Axial Fan engineered for demanding industrial environments requiring consistent thermal management. Utilizing an external rotor shaded-pole motor, this unit delivers high aerodynamic efficiency through its precision-balanced sheet steel impeller. The construction features a die-cast aluminum housing that provides exceptional structural rigidity and effective heat dissipation, contributing to a lower thermal impedance during operation. Designed with a maintenance-free ball bearing system, the fan ensures longevity and stable performance even under high-temperature conditions. Its compact form factor allows for integration into space-constrained enclosures while maintaining optimal airflow characteristics.

Model Number: W2E143-AB09-11

Brand: ebmpapst

Product Type: AC Axial Fan

Rated Voltage: 230 VAC

Frequency: 50 / 60 Hz

Power Input: 24 / 30 W

Rated Current: 0.12 / 0.14 A

Rated Speed: 2800 / 3300 RPM

Max. Air Flow: 220.7 / 258.9 CFM (375 / 440 m³/h)

Max. Static Pressure: 0.59 / 0.68 inH₂O (147 / 169 Pa)

Noise Level: 55 / 60 dB(A)

Bearing Type: Ball Bearing

Dimensions: 172 x 172 x 51 mm

Weight: 1.0 kg (2.2 lbs)

Housing Material: Die-cast Aluminum

Impeller Material: Sheet Steel, painted black

Operating Temperature: -25°C to +70°C

Storage Temperature: -40°C to +80°C

Termination: 2 Flat Plugs 2.8 x 0.5 mm

Motor Protection: Thermal Overload Protector (TOP) wired internally

Insulation Class: B

Ingress Protection: IP20

Direction of Rotation: Counter-clockwise viewed toward rotor

Life Expectancy: 60,000 Hours @ 40°C

Approvals: VDE, CSA, UL, CE

The W2E143-AB09-11 is widely utilized in critical cooling applications such as server cabinet ventilation, industrial control panels, and power supply units where reliability is paramount. Due to its high temperature tolerance and durable metal construction, the W2E143-AB09-11 is also frequently deployed in welding machines, CNC equipment, and telecommunications infrastructure requiring continuous duty cycles.

Supplemental Images

