

W2E142-BB01-A5 ebmpapst 230VAC 172x150x38mm Metal Axial Fan Datasheet



Brand: ebmpapst

SKU: 747363809275

Category: Axial & Centrifugal Fans

Price: \$178.99

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Product Page:

<https://www.equipspares.com/product/w2e142-bb01-a5-ebmpapst-230vac-172x150x38mm-metal-axial-fan>

Product Description

The ebmpapst W2E142-BB01-A5 is a robust AC axial fan engineered for demanding industrial thermal management. Utilizing an advanced external rotor motor design, this unit delivers high aerodynamic efficiency while maintaining a compact footprint within its die-cast aluminum housing. The system features a precision ball bearing architecture that ensures long-term reliability and reduced thermal impedance under continuous operation. Its sheet steel impeller is dynamically balanced to minimize vibration and noise, making it ideal for sensitive electronic cooling applications requiring structural rigidity and consistent airflow performance in harsh environments.

Model Number: W2E142-BB01-A5

Brand: ebmpapst

Product Type: AC Axial Fan

Rated Voltage: 230 VAC

Frequency: 50/60 Hz

Power Input: 27 W

Rated Speed: 2800 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 235 CFM (399 m³/h)

Max. Static Pressure: 15.6 mmH₂O (153 Pa)

Dimensions: 172mm x 150mm x 38mm

Housing Material: Die-Cast Aluminum

Impeller Material: Sheet Steel, Black Coated

Weight: 0.90 kg

Termination: 3-Wire Lead

Motor Protection: Thermal Overload Protector (TOP)

Operating Temperature: -25°C to +72°C

Life Expectancy: 57,500 Hours (40°C)

Direction of Rotation: Counter-clockwise viewed toward rotor

Insulation Class: Class B

Noise Level: 57 dBA

Mounting Orientation: Any

Approval: VDE, CSA, UL, CE

The W2E142-BB01-A5 is specifically designed for high-performance cooling in industrial automation and power electronics. Common deployment scenarios include variable frequency drives (VFDs), large-scale inverters, and server cabinet ventilation where reliable heat dissipation is critical. The W2E142-BB01-A5 ensures optimal operating temperatures for control panels, CNC machinery, and telecommunications infrastructure, preventing thermal throttling and extending the lifespan of sensitive components.

Supplemental Images

