W2E143-AA09-93 ebmpapst 230VAC 172x172x51mm Axial Fan Datasheet

Brand: ebmpapst

SKU: 953984512463

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-aa09-93-ebmpapst-230vac-172x172x51mm-axial-fan

Product Description

ebmpapst W2E143-AA09-93 is a 230VAC 172x172x51mm Axial Fan optimized for high-density thermal management in industrial environments. Featuring a robust all-metal housing and impeller, this unit minimizes thermal impedance while maintaining exceptional structural rigidity under continuous operation. The external rotor shaded-pole motor is designed for longevity, utilizing a maintenance-free ball bearing architecture to ensure reliable performance. Operating at 24/26W with speeds reaching 3300RPM, it delivers significant airflow to mitigate heat soak in sensitive electronics. This fan is engineered to withstand elevated temperatures, making it a critical component for maintaining system stability in demanding power conversion applications.

Model Number: W2E143-AA09-93
Brand: ebmpapst
Product Type: Axial Fan
Rated Voltage: 230VAC
Voltage Range: 195.5 - 253.0 VAC
Frequency: 50 / 60 Hz
Rated Current: 0.12 / 0.11 A
Power: 24 / 26 W
Rated Speed: 2800 / 3300 RPM
Bearing Type: Ball Bearing

Max. Air Flow: 258.9 / 294.3 CFM (440 / 500 m^3/h)
Max. Static Pressure: 11.7 / 14.8 mmH_2O (115 / 145 Pa)
Dimensions: 172 x 172 x 51 mm
Weight: 1.1 kg
Life Expectancy: 60,000 hours (L10 at 40°C)
Housing Material: Die-cast aluminum
Blade Material: Sheet steel, painted black
Direction of Rotation: Counter-clockwise, viewed toward rotor
Direction of Airflow: Exhaust over struts
Insulation Class: B
Ingress Protection: IP20
Noise Level: 54 / 58 dB(A)
Operating Temperature: -25 to +70 °C
Termination: 2 flat plugs 2.8 x 0.5 mm
Motor Protection: Impedance protected
Certifications: VDE, CSA, UL, CE

W2E143-AA09-93 Applications
1. Industrial VFD Cabinets: The all-metal construction and high static pressure capability allow for efficient heat dissipation through dense filter media in variable frequency drive enclosures.
2. High-Temperature Power Supplies: Superior thermal resilience ensures consistent cooling for large-scale power conversion units where plastic components would suffer structural degradation.
3. Server Rack Exhaust: Ideal replacement fan for 4U+ chassis requiring high-volume air displacement to prevent localized hotspots in mission-critical hardware.

Supplemental Images