W2K121-AB07-16 ebm-papst 230VAC 127x38mm Metal Axial Fan Datasheet

Brand: ebmpapst

SKU: 647291806017

Category: Axial & Centrifugal Fans

Price: **$69.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/w2k121-ab07-16-ebm-papst-230vac-127x38mm-metal-axial-fan

Product Description

The ebm-papst W2K121-AB07-16 is a robust AC axial fan engineered for demanding industrial thermal management applications. Utilizing an advanced external rotor shaded-pole motor design, this unit delivers consistent aerodynamic performance while maintaining low thermal impedance. The construction features a rugged die-cast aluminum housing that ensures high structural rigidity and vibration damping, coupled with a mineral-reinforced plastic impeller optimized for airflow efficiency. Designed for continuous operation, the W2K121-AB07-16 integrates impedance protection against overloading, ensuring reliability within critical electrical enclosures and machinery. Its precise balancing and bearing architecture minimize acoustic noise while maximizing service life under fluctuating thermal loads.

Model Number: W2K121-AB07-16 (Type 5988)
Brand: ebm-papst
Product Type: AC Axial Fan
Rated Voltage: 230 VAC
Frequency: 50 / 60 Hz
Power Consumption: 13 / 12 W
Rated Speed: 2750 / 3100 RPM
Max. Air Flow: 106 CFM (180 m^3/h)
Max. Static Pressure: 8.8 mmH_2O (86 Pa)

Bearing Type: Ball Bearing
Dimensions: 127 x 127 x 38 mm
Housing Material: Die-Cast Aluminum
Impeller Material: Mineral-reinforced PA Plastic (Fiberglass)
Termination: 2 Flat Plugs 2.8 x 0.5 mm
Weight: 0.57 kg
Operating Temperature: -30 to +75 °C
Motor Protection: Impedance Protected
Direction of Rotation: Counter-clockwise (viewed toward rotor)
Direction of Air Flow: Intake over struts
Noise Level: 40 / 44 dB(A)
Service Life L10: 57,500 Hours
Approvals: VDE, CSA, UL, CE

The W2K121-AB07-16 is widely utilized in industrial automation environments requiring reliable forced convection cooling. Common deployment scenarios include ventilation for server racks, electrical control cabinets, and power supply units where space is constrained but high airflow is necessary. The W2K121-AB07-16 is also frequently integrated into welding machines, medical instrumentation, and telecommunications infrastructure, providing critical thermal regulation to prevent component overheating and ensure system longevity.

Supplemental Images


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