8314/2H ebmpapst 24VDC 80x80x32mm Tach Axial Fan Datasheet

Brand: ebmpapst

SKU: 898630788701

Category: Axial & Centrifugal Fans

Price: **$111.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/8314-2h-ebmpapst-24vdc-80x80x32mm-tach-axial-fan

Product Description

The ebmpapst 8314/2H is a DC Axial Fan engineered for critical thermal management in industrial electronics and variable frequency drive systems. Featuring an electronically commutated external rotor motor with integrated commutation electronics, this unit delivers optimized airflow dynamics while maintaining low thermal impedance. The construction utilizes glass-fiber reinforced plastic (PBTP) for both the housing and impeller, ensuring structural rigidity and resistance to environmental stress according to UL 94 V-0 standards. Equipped with a precision ball bearing system, the 8314/2H guarantees operational longevity and stability under continuous load, making it suitable for high-density cooling requirements where speed monitoring is essential.

Model Number: 8314/2H
Brand: ebmpapst
Product Type: DC Axial Fan
Rated Voltage: 24VDC
Voltage Range: 12 - 31.5 VDC
Rated Current: 0.25 A
Power Consumption: 6.0 W
Rated Speed: 5000 RPM
Bearing Type: Ball Bearing
Max. Air Flow: 47.1 CFM (80 m^3/h)

Max. Static Pressure: 9.17 mmH_2O (90 Pa / 0.36 inH_2O)
Dimensions: 80x80x32mm
Weight: 0.17 kg
Life Expectancy: 70,000 Hours (40°C)
Noise Level: 48 dB(A)
Output Signal: Speed Signal (Tachometer / 2 Pulses)
Housing Material: Glass-fiber reinforced PBT plastic
Impeller Material: Glass-fiber reinforced PA plastic
Operating Temperature: -20 to +75 °C
Termination: 3-Wire Leads (AWG 22, TR 64)
Direction of Rotation: Clockwise (viewed toward rotor)
Airflow Direction: Exhaust over struts
Protection: Reverse Polarity, Locked Rotor Protection

This cooling solution is specifically calibrated for applications requiring reliable heat dissipation, such as variable frequency drives and industrial inverters. The 8314/2H is frequently integrated into server rack cooling modules, telecommunications power supplies, and precision medical instrumentation. By maintaining optimal operating temperatures via its speed monitoring capabilities, the 8314/2H ensures the longevity of sensitive electronic components in automation control panels and CNC machinery environments.

Supplemental Images