8314/2H ebm-papst 24VDC 80x80x32mm 0.25A Axial Fan Datasheet

Brand: ebmpapst

SKU: 991627768027

Category: Axial & Centrifugal Fans

Price: **$50.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/8314-2h-ebm-papst-24vdc-80x80x32mm-0-25a-axial-fan

Product Description

The ebm-papst 8314/2H is a compact DC axial fan engineered for high-density thermal management applications requiring robust aerodynamic performance. Utilizing advanced commutation electronics and a precision ball bearing architecture, this unit ensures long-term operational stability and reduced thermal impedance within critical enclosures. The 80mm frame is constructed from glass-fiber reinforced plastic (PBTP), offering superior structural rigidity and resistance to environmental stress. Designed with an optimized impeller geometry, the 8314/2H delivers consistent airflow while maintaining efficiency across a wide voltage range. Its durable construction makes it suitable for continuous duty cycles in demanding industrial environments where reliability is paramount.

Model Number: 8314/2H
Brand: ebm-papst
Product Type: DC Axial Fan
Rated Voltage: 24 VDC
Voltage Range: 12.0 - 28.0 VDC
Rated Current: 0.25 A (250 mA)
Power Input: 6.0 W
Rated Speed: 5000 RPM
Bearing Type: Ball Bearing
Max. Air Flow: 47.1 CFM (80 m^3/h / 1.33 m^3/min)

Max. Static Pressure: 9.17 mmH_2O (90 Pa / 0.36 inH_2O)
Dimensions: 80 x 80 x 32 mm
Weight: 0.17 kg (170 g)
Life Expectancy: 55,000 hrs (40°C)
Noise Level: 48 dB(A)
Housing Material: PBTP (UL 94 V-0)
Impeller Material: PA (UL 94 V-0)
Operating Temperature: -20 to +75 °C
Termination: 2 Wire Leads (AWG 22, TR 64)
Direction of Rotation: Clockwise (viewed toward rotor)
Direction of Airflow: Exhaust over struts
Motor Protection: Reverse Polarity, Locked Rotor Protection

The 8314/2H is specifically calibrated for integration into compact electronic assemblies where space is limited but heat dissipation requirements are substantial. Common deployment sectors include telecommunications infrastructure, server rack cooling modules, and industrial automation control panels. The 8314/2H also serves effectively in medical diagnostic equipment and power supply units, ensuring components remain within safe thermal operating limits during extended operation.

Supplemental Images