8314 ebm-papst 24VDC 80x80x32mm 0.11A Axial Fan Datasheet

Brand: ebmpapst

SKU: 895432045005

Category: Axial & Centrifugal Fans

Price: **$55.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page: https://www.equipspares.com/product/8314-ebm-papst-24vdc-80x80x32mm-0-11a-axial-fan

Product Description

The ebm-papst 8314 is a DC Axial Fan engineered for critical thermal management in industrial electronics. Utilizing advanced commutation electronics and a precision-balanced impeller, this unit ensures optimal airflow with minimal acoustic resonance. The housing and impeller are constructed from glass-fiber reinforced plastic (PBTP), providing exceptional structural rigidity and resistance to thermal stress. Designed with a robust ball bearing system, the 8314 delivers consistent performance and low thermal impedance, making it suitable for continuous operation in demanding environments requiring reliable heat dissipation.

Model Number: 8314
Brand: ebm-papst
Product Type: DC Axial Fan
Rated Voltage: 24VDC
Voltage Range: 12.0 - 31.5 VDC
Rated Current: 0.11 A
Power: 2.7 W
Rated Speed: 3300 RPM
Bearing Type: Ball Bearing
Max. Air Flow: 31.8 CFM (54 m^3/h / 0.9 m^3/min)
Max. Static Pressure: 4.08 mmH_2O (40 Pa / 0.16 inH_2O)
Dimensions: 80 x 80 x 32 mm

Weight: 170 g (0.37 lbs)
Life Expectancy: 70,000 hrs @ 40°C / 27,500 hrs @ 75°C
Noise Level: 36 dB(A)
Housing Material: Glass-fiber reinforced plastic (PBTP)
Impeller Material: Glass-fiber reinforced plastic (PBTP)
Operating Temperature: -20°C to +75°C
Termination: 2 Wire Leads (AWG 22, TR 64)
Direction of Rotation: Clockwise, viewed toward rotor
Direction of Air Flow: Exhaust over struts
Motor Protection: Reverse polarity and locked-rotor protection
Approvals: VDE, CSA, UL, CE

The ebm-papst 8314 is specifically designed for high-reliability applications such as variable frequency drives (VFDs), industrial inverters, and telecommunications equipment. Its compact form factor allows for seamless integration into dense server racks and control cabinets where space is at a premium. The 8314 ensures consistent cooling for sensitive electronic components, preventing thermal throttling in automation systems and medical devices.

Supplemental Images