8314H ebm-papst 24VDC 80x80x32mm 6W Industrial Axial Fan Datasheet

Brand: ebmpapst

SKU: 989549155218

Category: Axial & Centrifugal Fans

Price: **$64.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/8314h-ebm-papst-24vdc-80x80x32mm-6w-industrial-axial-fan

Product Description

The ebm-papst 8314H is a high-efficiency Axial Fan engineered to deliver superior thermal management in compact industrial environments. Featuring a robust DC motor architecture and a precision Ball Bearing system, this unit is designed to minimize frictional losses while maximizing operational lifespan under continuous duty cycles. The aerodynamic impeller geometry is optimized to reduce turbulence-induced noise while maintaining high static pressure capabilities, ensuring low thermal impedance in dense electronic enclosures. Constructed with glass-fiber reinforced PBTP composite materials, the fan exhibits exceptional structural rigidity and dimensional stability, making it a reliable solution for critical cooling applications requiring consistent performance.

Model Number: 8314H
Brand: ebm-papst
Product Type: Axial Fan
Rated Voltage: 24VDC
Voltage Range: 12.0 - 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 / 1.33 m^3/min)

Max. Static Pressure: 9.17 mmH_2O (90 Pa / 0.36 inH_2O)
Dimensions: 80x80x32mm
Weight: 0.17 kg
Life Expectancy: 70000 hrs at 40°C
Noise Level: 48 dB(A)
Housing Material: PBT Plastic (UL94V-0)
Impeller Material: PA Plastic (UL94V-0)
Termination: 2 Wire Leads (AWG 24, TR 64)
Operating Temperature: -20 to +75 °C
Storage Temperature: -40 to +80 °C
Direction of Rotation: Clockwise viewed over rotor
Airflow Direction: Exhaust over struts
Motor Protection: Impedance Protected / Reverse Polarity Protection
Approvals: VDE, CSA, UL, CE

The 8314H is extensively utilized in the thermal regulation of variable frequency drives (VFDs) and industrial inverters, where reliable heat dissipation is paramount for system stability. Its compact form factor allows for seamless integration into server racks, telecommunications equipment, and CNC control cabinets. Furthermore, the 8314H is frequently deployed in medical devices and power supply units, providing consistent airflow to prevent component overheating in restricted spaces.

Supplemental Images