5114N/2 ebmpapst 24VDC 135x135x38mm Metal Axial Fan Datasheet

Brand: ebmpapst

SKU: 782810548829

Category: Axial & Centrifugal Fans

Price: **$37.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/5114n-2-ebmpapst-24vdc-135x135x38mm-metal-axial-fan

Product Description

The ebmpapst 5114N/2 is a high-efficiency DC Axial Fan engineered for demanding thermal management applications requiring robust airflow and structural durability. Featuring an electronically commutated external rotor motor, this unit integrates a precision ball bearing architecture that ensures long-term operational stability and reduced friction coefficients. The housing is constructed from industrial-grade die-cast aluminum, providing exceptional structural rigidity and effective heat dissipation, while the fiberglass-reinforced plastic impeller is aerodynamically optimized to minimize acoustic noise while maximizing volumetric flow. This model offers superior thermal impedance characteristics, making it suitable for continuous operation in harsh industrial environments where reliability is paramount.

Model Number: 5114N/2
Brand: ebmpapst
Product Type: DC Axial Fan
Rated Voltage: 24 VDC
Voltage Range: 12.0 - 30.0 VDC
Rated Current: 395 mA (0.395 A)
Power Consumption: 9.5 W
Rated Speed: 2900 RPM
Bearing Type: Ball Bearing

Max. Air Flow: 147.1 CFM (250 m^3/h / 4.16 m^3/min)
Max. Static Pressure: 8.16 mmH_2O (80 Pa / 0.32 inH_2O)
Dimensions: 135 x 135 x 38 mm
Weight: 650 g (1.43 lbs)
Housing Material: Die-Cast Aluminum
Impeller Material: PA Plastic (UL 94 V-0)
Noise Level: 54 dB(A)
Life Expectancy: 80,000 hours (40°C)
Operating Temperature: -25°C to +72°C
Termination: 2 Wire Leads (AWG 22)
Ingress Protection: IP20
Motor Protection: Reverse Polarity, Locked Rotor Protection
Approvals: VDE, CSA, UL, CE

The 5114N/2 is specifically designed for integration into high-density electronic enclosures and industrial automation systems where reliable forced convection is critical. Common deployment scenarios include cooling large server racks, telecommunications base stations, and power supply units requiring consistent airflow. The 5114N/2 excels in CNC machinery control panels and medical instrumentation, ensuring components remain within safe thermal limits during extended duty cycles. Its robust metal frame also makes it ideal for railway technology and heavy-duty switching cabinets.

Supplemental Images