4314NN ebm-papst 24VDC 120x120x32mm 4.1W Axial Fan Datasheet

Brand: ebmpapst

SKU: 948149803775

Category: Axial & Centrifugal Fans

Price: **$74.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/4314nn-ebm-papst-24vdc-120x120x32mm-4-1w-axial-fan

Product Description

The ebm-papst 4314NN is a precision-engineered DC Axial Fan designed for critical thermal management in industrial environments. Utilizing advanced aerodynamic blade geometry housed within a fiberglass-reinforced PBTP frame, this unit optimizes airflow efficiency while maintaining exceptional structural rigidity. The motor assembly features a robust ball bearing system engineered to minimize friction and extend operational service life under continuous load. With a nominal voltage of 24VDC, it delivers a high-performance airflow profile, effectively reducing thermal impedance in densely packed electronic enclosures. The 4314NN integrates seamless commutation electronics, ensuring stable operation and reliability in demanding automation and power conversion applications.

Model Number: 4314NN
Brand: ebm-papst
Product Type: DC Axial Fan
Rated Voltage: 24 VDC
Voltage Range: 12 - 28 VDC
Rated Current: 0.17 A
Power Input: 4.1 W
Rated Speed: 2700 RPM
Bearing Type: Ball Bearing

Max. Air Flow: 106 CFM (180 m^3/h)
Max. Static Pressure: 9.81 mmH_2O (96 Pa / 0.39 inH_2O)
Noise Level: 45 dB(A)
Dimensions: 119 x 119 x 32 mm
Weight: 0.22 kg
Housing Material: PBT Plastic, Fiberglass-reinforced (UL 94 V-0)
Impeller Material: PA Plastic, Fiberglass-reinforced (UL 94 V-0)
Operating Temperature: -20 to +75 °C
Life Expectancy: 60000 h (40 °C)
Termination: 2 Wire Leads (Red/Blue)
Ingress Protection: IP20
Safety Approvals: VDE, CSA, UL, CE

The 4314NN is specifically engineered for high-demand cooling scenarios, including variable frequency drive (VFD) inverters and industrial automation control panels. Its robust design makes it ideal for dissipating heat in telecommunications infrastructure and server rack assemblies where continuous airflow is mandatory. By maintaining optimal operating temperatures, the 4314NN ensures the longevity of sensitive power electronics and CNC machinery components, preventing thermal shutdown in critical systems.

Supplemental Images