4414FNN ebmpapst 24VDC 119x119x25mm Axial Fan Datasheet

Brand: ebmpapst

SKU: 676428140766

Category: Axial & Centrifugal Fans

Price: **$111.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page: https://www.equipspares.com/product/4414fnn-ebmpapst-24vdc-119x119x25mm-axial-fan

Product Description

The ebmpapst 4414FNN is a high-efficiency DC axial fan engineered for critical thermal management in industrial electronics. Featuring an advanced aerodynamic impeller design and a precision ball bearing system, this unit delivers a high volume of airflow relative to its compact footprint, ensuring optimal thermal impedance reduction. The 24VDC motor is housed in a fiberglass-reinforced plastic casing, providing structural rigidity and vibration damping for continuous operation. Its electronic commutation drive ensures reliable startup and consistent performance, making it an ideal solution for systems requiring sustained cooling under varying static pressure loads.

Model Number: 4414 FNN
Brand: ebmpapst
Product Type: DC Axial Fan
Rated Voltage: 24 VDC
Voltage Range: 14.0 - 28.0 VDC
Rated Current: 345 mA
Power Input: 8.3 W
Rated Speed: 5400 RPM
Max. Air Flow: 100.1 CFM (170 m^3/h / 2.83 m^3/min)
Max. Static Pressure: 0.39 inH_2O (97 Pa / 9.88 mmH_2O)
Bearing Type: Ball Bearing
Dimensions: 119 x 119 x 25 mm

Weight: 240 g
Termination: 2-Wire Leads (Red +, Blue -)
Noise Level: 45 dB(A)
Housing Material: PBT Plastic (UL94V-0)
Impeller Material: PA Plastic (UL94V-0)
Operating Temperature: -20 to +70 °C
Life Expectancy: 60,000 Hours (at 40°C)
Ingress Protection: IP20
Direction of Rotation: Clockwise (viewed toward rotor)
Airflow Direction: Exhaust over struts

The 4414FNN is widely utilized in telecommunications infrastructure, including server rack cooling modules and network switchgear, where space is at a premium but heat dissipation requirements are high. Industrial automation engineers frequently specify the 4414FNN for control panel ventilation and variable frequency drive (VFD) cooling due to its robust voltage range and durability. Additionally, this model is suitable for medical instrumentation and power supply units that demand a reliable, maintenance-free air movement solution.

Supplemental Images