4414FNH-184 ebmpapst 24VDC 119x119x25mm Axial Fan Datasheet

Brand: ebmpapst

SKU: 898634352213

Category: Axial & Centrifugal Fans

Price: **$111.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/4414fnh-184-ebmpapst-24vdc-119x119x25mm-axial-fan

Product Description

The ebmpapst 4414FNH-184 is a high-efficiency DC Axial Fan engineered for demanding thermal management requirements in industrial environments. Utilizing a brushless DC motor drive, this unit optimizes power consumption while maintaining high structural rigidity through its glass-fiber reinforced plastic housing and impeller. The aerodynamic blade geometry is specifically designed to minimize turbulence and reduce thermal impedance across densely packed components. Its dual ball bearing architecture ensures long-term rotational stability and reliable performance under continuous duty cycles, making it an essential component for systems requiring consistent volumetric airflow and high static pressure capabilities.

Model Number: 4414FNH-184
Brand: ebmpapst
Product Type: Axial Fan
Rated Voltage: 24VDC
Voltage Range: 18.0 - 26.4VDC
Rated Current: 0.5A
Power: 12W
Rated Speed: 4850RPM
Bearing Type: Ball Bearing
Max. Air Flow: 132.4CFM (225.0 m^3/h / 3.75 m^3/min)

Max. Static Pressure: 18.35 mmH_2O (180.0 Pa / 0.72 inH_2O)
Dimensions: 119 x 119 x 25 mm
Weight: 270g
Life Expectancy: 70000 hours at 40°C
Noise Level: 55 dB(A)
Housing Material: Glass-fiber reinforced PBT plastic (UL94V-0)
Impeller Material: Glass-fiber reinforced PA plastic (UL94V-0)
Termination: 2-Wire Lead (Red +, Blue -)
Operating Temperature: -20 to +70°C
Storage Temperature: -40 to +85°C
Mounting Orientation: Any
Protection Features: Locked Rotor Protection, Reverse Polarity Protection
Insulation Class: Class E
Certifications: VDE, CSA, UL, CE

The ebmpapst 4414FNH-184 is primarily utilized in high-density server enclosures and telecommunications infrastructure where heat dissipation is critical for hardware longevity. Due to the robust construction of the 4414FNH-184, it is also frequently integrated into industrial frequency inverters, medical diagnostic equipment, and automated control cabinets. The compact form factor allows the 4414FNH-184 to be deployed in space-constrained environments such as network switches and power supply units, ensuring stable operating temperatures for sensitive electronic assemblies.

Supplemental Images