4114NH3 ebmpapst 24VDC 119x119x38mm 19.5W Axial Fan Datasheet

Brand: ebmpapst

SKU: 900820864592

Category: Axial & Centrifugal Fans

Price: **$137.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/4114nh3-ebmpapst-24vdc-119x119x38mm-19-5w-axial-fan

Product Description

The ebmpapst 4114NH3 is a high-capacity DC Axial Fan designed to deliver superior aerodynamic performance in thermally critical environments. Featuring a durable ball bearing architecture and a rugged die-cast aluminum housing, this unit offers exceptional structural rigidity and long-term reliability. The 24VDC motor utilizes advanced commutation technology to maximize airflow efficiency while minimizing power consumption relative to its output. Engineered for continuous duty, the fan effectively reduces thermal impedance in high-density electronic assemblies, making it an ideal solution for systems requiring substantial heat dissipation and consistent static pressure.

Model Number: 4114NH3
Brand: ebmpapst
Product Type: DC Axial Fan
Rated Voltage: 24 VDC
Voltage Range: 16.0 - 30.0 VDC
Rated Current: 0.81 A
Power Consumption: 19.5 W
Rated Speed: 6000 RPM
Bearing Type: Ball Bearing
Max. Air Flow: 294.3 CFM (500 m^3/h)
Max. Static Pressure: 280 Pa (1.12 inH_2O)

Dimensions: 119 x 119 x 38 mm
Weight: 0.390 kg
Noise Level: 66 dB(A)
Life Expectancy: 70,000 hours @ 40°C (L10)
Housing Material: Die-Cast Aluminum
Impeller Material: Fiberglass-Reinforced PA Plastic (UL94V-0)
Operating Temperature: -20°C to +65°C
Storage Temperature: -40°C to +80°C
Termination: 2 Lead Wires (AWG 22, TR 64)
Direction of Rotation: Clockwise (viewed toward rotor)
Airflow Direction: Intake over struts
Motor Protection: Reverse Polarity and Locked Rotor Protection
Approvals: VDE, CSA, UL, CE

Designed for mission-critical cooling, the 4114NH3 is frequently deployed in high-power radio transmitters and telecommunications infrastructure to maintain optimal operating temperatures for sensitive RF components. The 4114NH3 is also essential in industrial automation setups, server cabinet ventilation, and heavy-duty power inverters where reliable forced convection is mandatory to prevent thermal throttling and component failure.