414J/2HH EBMPAPST 24VDC 40x40x25mm Tachometer Axial Fan Datasheet

Brand: ebmpapst

SKU: 988031559858

Category: Axial & Centrifugal Fans

Price: **$26.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/414j-2hh-ebmpapst-24vdc-40x40x25mm-tachometer-axial-fan

Product Description

The EBMPAPST 414J/2HH is a compact tubeaxial fan engineered for high-density thermal management applications requiring significant static pressure capabilities. Featuring an advanced DC motor architecture paired with a precision ball bearing system, this unit ensures optimal rotational stability and reduced thermal impedance under continuous load. The 40mm chassis is constructed from fiberglass-reinforced plastic, offering superior structural rigidity and vibration damping. Designed with a 3-wire tachometer interface, it provides critical speed monitoring feedback, making it an ideal solution for sophisticated electronic cooling circuits where airflow reliability is paramount.

Model Number: 414J/2HH
Brand: EBMPAPST
Product Type: DC Axial Fan
Rated Voltage: 24VDC
Voltage Range: 14.0 - 28.0 VDC
Rated Current: 0.15 A
Power Input: 3.6 W
Rated Speed: 13000 RPM
Bearing Type: Ball Bearing
Max. Air Flow: 22.4 CFM (38 m^3/h / 0.63 m^3/min)

Max. Static Pressure: 14.2 mmH_2O (140 Pa / 0.56 inH_2O)
Dimensions: 40 x 40 x 25 mm
Weight: 0.050 kg
Life Expectancy: 70,000 Hours @ 40°C
Termination: 3 Lead Wires
Sensor Signal: Speed Signal (Tachometer / FG)
Housing Material: PBT Plastic (UL94V-0)
Impeller Material: PA Plastic (UL94V-0)
Operating Temperature: -20°C to +70°C
Noise Level: 48 dB(A)
Ingress Protection: IP20
Direction of Rotation: Counter-clockwise viewed toward rotor

This high-performance cooling solution is specifically calibrated for compact industrial electronics, including variable frequency drives and inverter systems where space is constrained but heat dissipation requirements are high. The 414J/2HH excels in server rack cooling modules and telecommunications equipment, ensuring component longevity through consistent airflow. Additionally, the 414J/2HH is frequently integrated into medical diagnostic devices and precision CNC control panels, providing reliable thermal regulation in demanding operational environments.

Supplemental Images


414 J/2HH
24V ⎓DC 0.15A 3.6W EP
+RD -BU TACHO:WH
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