414JHH ebm-papst 24VDC 40x40x25mm 3.6W Axial Fan Datasheet

Brand: ebmpapst

SKU: 798974609879

Category: Axial & Centrifugal Fans

Price: **$50.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/414jhh-ebm-papst-24vdc-40x40x25mm-3-6w-axial-fan

Product Description

The ebm-papst 414JHH is a compact high-static pressure Axial Fan designed for critical thermal management in space-constrained electronic assemblies. Featuring an advanced DC motor with electronic commutation and a robust Ball Bearing architecture, this unit minimizes thermal impedance while ensuring exceptional structural rigidity through its fiberglass-reinforced PBT housing. The aerodynamic impeller geometry allows the 414JHH to deliver high-velocity airflow and significant pressure capabilities, operating efficiently at 3.6W to maintain system stability in demanding industrial environments.

Model Number: 414JHH
Brand: ebm-papst
Product Type: DC Axial Fan
Rated Voltage: 24 VDC
Voltage Range: 18.0 - 28.0 VDC
Rated Current: 0.15 A (150 mA)
Power: 3.6 W
Rated Speed: 13000 RPM
Bearing Type: Ball Bearing
Max. Air Flow: 14.12 CFM (24.0 m^3/h / 0.40 m^3/min)
Max. Static Pressure: 16.31 mmH_2O (160.0 Pa / 0.64 inH_2O)

Dimensions: 40 x 40 x 25 mm
Weight: 0.050 kg
Life Expectancy: 70000 hrs @ 40°C
Noise Level: 46 dB(A)
Housing Material: Fiberglass-Reinforced PBT (UL94V-0)
Impeller Material: Fiberglass-Reinforced PA (UL94V-0)
Ingress Protection: IP20
Insulation Class: Class E
Operating Temperature: -20 to +70 °C
Storage Temperature: -40 to +80 °C
Termination: 2 Lead Wires (AWG 28)
Mounting Orientation: Any
Certifications: CE, UL, CSA, VDE

This high-density cooling solution is frequently utilized in precision medical instrumentation and compact electronics where reliability is paramount. The 414JHH is specifically engineered for cooling hotspots in rack-mounted telecommunications gear and CNC control modules. Engineers specify the 414JHH for applications requiring sustained airflow against high back-pressure in 24/7 industrial operations.

Supplemental Images


414 JHH
24V ⎓DC 150mA 3,6W
+ RD - BU
ebmpapst
HUNGARY (V)
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