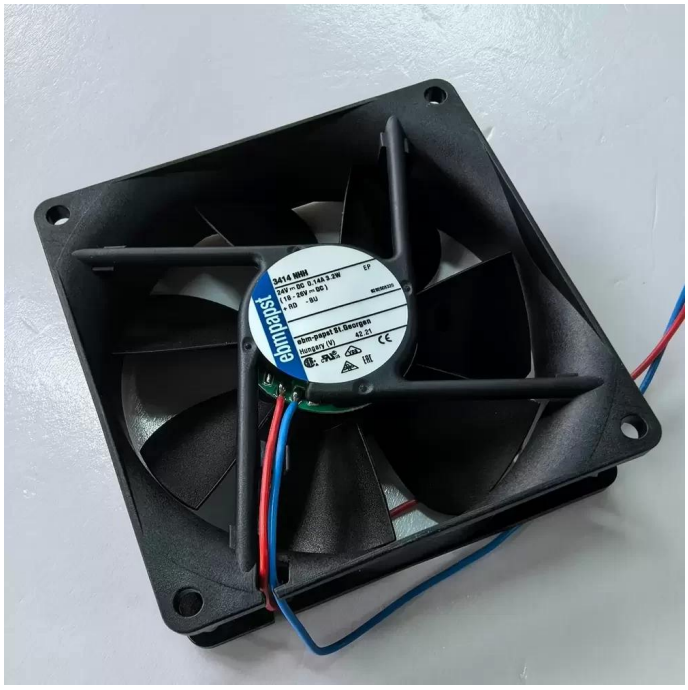
3414NHH ebm-papst 24VDC 92x92x25mm Inverter Axial Fan Datasheet



Brand: ebmpapst

SKU: 855029643024

Category: Axial & Centrifugal Fans

Price: **$29.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/3414nhh-ebm-papst-24vdc-92x92x25mm-inverter-axial-fan

Product Description

The ebm-papst 3414NHH is a DC Axial Fan engineered for precision thermal management in compact electronic enclosures. Utilizing advanced commutation electronics and a durable ball bearing architecture, this unit ensures consistent airflow delivery with optimized thermal impedance. The aerodynamic impeller design minimizes turbulence-induced noise while maintaining structural rigidity under continuous operation. Constructed with fiberglass-reinforced plastic (PBT), the housing meets UL94V-0 flammability standards, making it suitable for industrial environments requiring reliable heat dissipation and long service life.

Model Number: 3414NHH
Brand: ebm-papst
Product Type: DC Axial Fan
Rated Voltage: 24 VDC
Voltage Range: 18.0 - 26.0 VDC
Rated Current: 0.135 A
Power Input: 3.2 W
Rated Speed: 3250 RPM
Max. Air Flow: 60.0 CFM (102 m^3/h / 1.7 m^3/min)
Max. Static Pressure: 4.8 mmH_2O (47 Pa / 0.19 inH_2O)
Noise Level: 39 dB(A)

Bearing Type: Ball Bearing
Dimensions: 92 x 92 x 25 mm
Weight: 0.10 kg
Life Expectancy (L10 at 40°C): 70,000 hours
Life Expectancy (L10 at max temp): 35,000 hours
Housing Material: Fiberglass-reinforced PBT plastic
Impeller Material: Fiberglass-reinforced PA plastic
Operating Temperature: -20°C to +70°C
Storage Temperature: -40°C to +80°C
Termination: 2 Wire Leads (AWG 24, TR 64)
Direction of Rotation: Clockwise looking at rotor
Airflow Direction: Air exhaust over struts
Motor Protection: Reverse polarity and locked rotor protection
Insulation Class: E
Approvals: VDE, CSA, UL, CE

The 3414NHH is specifically designed for critical cooling applications within industrial automation and telecommunications infrastructure. Frequently integrated into variable frequency drives (inverters) and server rack assemblies, this fan ensures component stability by effectively removing waste heat. The 3414NHH is also widely utilized in medical instrumentation and compact power supply units where space constraints demand high-efficiency airflow without compromising acoustic performance.

Supplemental Images


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