614NHHR ebm-papst 24VDC 60x60x25mm 3W Compact Axial Fan Datasheet

Brand: ebmpapst

SKU: 895433381351

Category: Axial & Centrifugal Fans

Price: **$40.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/614nhhr-ebm-papst-24vdc-60x60x25mm-3w-compact-axial-fan

Product Description

The ebm-papst 614NHHR is a compact DC axial fan engineered for demanding thermal management applications requiring high structural rigidity and consistent airflow. Utilizing advanced commutation electronics and an aerodynamically optimized impeller, this unit minimizes thermal impedance within dense electronic enclosures. The 614NHHR features a robust housing constructed from glass-fiber reinforced plastic (PBTP), ensuring durability under continuous operation. Its efficient motor design delivers a high power-to-size ratio, making it an ideal solution for maintaining optimal operating temperatures in industrial automation equipment and precision instrumentation.

Model Number: 614NHHR
Brand: ebm-papst
Product Type: DC Axial Fan
Rated Voltage: 24 VDC
Voltage Range: 18.0 - 28.0 VDC
Rated Current: 0.125 A (125 mA)
Power Consumption: 3.0 W
Rated Speed: 6850 RPM
Bearing Type: Sintec Sleeve Bearing System
Max. Air Flow: 33.0 CFM (56.0 m^3/h / 0.93 m^3/min)
Max. Static Pressure: 9.17 mmH_2O (90 Pa / 0.36 inH_2O)

Dimensions: 60 x 60 x 25 mm
Weight: 0.066 kg
Life Expectancy: 60,000 Hours (at 40°C)
Noise Level: 41 dB(A)
Housing Material: Glass-fiber reinforced plastic (PBT)
Impeller Material: Glass-fiber reinforced plastic (PA)
Operating Temperature: -20°C to +70°C
Termination: 2-Wire Leads (AWG 22, TR 64)
Ingress Protection: IP20
Direction of Rotation: Clockwise (viewing rotor)
Airflow Direction: Exhaust over struts
Certifications: VDE, CSA, UL, CE

The 614NHHR is specifically calibrated for integration into variable frequency drives, such as Siemens inverters, where reliable heat dissipation is critical for component longevity. Beyond drive systems, the 614NHHR serves effectively in compact server racks, telecommunications power supplies, and CNC control modules requiring sustained airflow in confined spaces. Its robust design ensures stability in industrial environments subject to vibration and thermal fluctuation.

Supplemental Images