614N/2HHR-296 ebm-papst 26VDC 60x60x25mm Axial Fan Datasheet

Brand: ebmpapst

SKU: 1014366045444

Category: Axial & Centrifugal Fans

Price: **$26.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/614n-2hhr-296-ebm-papst-26vdc-60x60x25mm-axial-fan

Product Description

The ebm-papst 614N/2HHR-296 is a compact DC axial fan engineered for high-density electronic cooling applications requiring robust thermal management. This unit features an electronically commutated external rotor motor, ensuring efficient energy conversion and reduced electromagnetic interference. Constructed with a glass-fiber reinforced PBT housing and impeller, the fan offers superior structural rigidity and resistance to environmental stress. The aerodynamic blade geometry is optimized to minimize turbulence while maximizing static pressure capabilities. Equipped with a precision ball bearing system, the 614N/2HHR-296 ensures extended service life and operational stability, making it suitable for continuous duty cycles in demanding industrial environments where thermal impedance must be strictly controlled.

Model Number: 614N/2HHR-296
Brand: ebm-papst
Product Type: DC Axial Fan
Rated Voltage: 26 VDC
Voltage Range: 18.0 - 28.0 VDC
Rated Current: 0.14 A
Power Consumption: 3.5 W
Rated Speed: 6850 RPM
Bearing Type: Ball Bearing

Max. Air Flow: 39.4 CFM (67 m^3/h / 1.11 m^3/min)
Max. Static Pressure: 11.2 mmH_2O (110 Pa / 0.44 inH_2O)
Dimensions: 60 x 60 x 25 mm
Weight: 0.066 kg
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 41 dB(A)
Housing Material: PBT Plastic (UL94V-0)
Impeller Material: PBT Plastic (UL94V-0)
Operating Temperature: -20°C to +70°C
Storage Temperature: -40°C to +80°C
Termination: Lead Wires
Ingress Protection: IP20
Motor Protection: Reverse Polarity, Locked Rotor Protection
Mounting Orientation: Any

The 614N/2HHR-296 is specifically designed for integration into compact telecommunications infrastructure and high-performance server rack cooling modules. Its high static pressure capabilities make it an ideal solution for forced convection in power supply units and variable frequency drives where airflow paths are restricted by dense component layouts. Furthermore, the 614N/2HHR-296 is frequently utilized in medical diagnostic instrumentation and automated optical inspection systems, where consistent thermal regulation is critical for maintaining the accuracy and longevity of sensitive electronic components.

Supplemental Images


ebmpapst
614 N/2HHR
26V⎓DC 0.14A 3.5W
A5E35706897AA
Var.296 EP
ebm-papst St.Georgen
Hungary(S) 32.20
VDE
CE