4312/17T ebmpapst 12VDC 119x119x32mm Tach Axial Fan Datasheet

Brand: ebmpapst

SKU: 898228237583

Category: Axial & Centrifugal Fans

Price: **$149.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/4312-17t-ebmpapst-12vdc-119x119x32mm-tach-axial-fan

Product Description

The ebmpapst 4312/17T is a high-reliability DC Axial Fan engineered for critical industrial thermal management. Utilizing an advanced brushless DC motor architecture with a precision ball bearing system, this unit ensures minimal thermal impedance and exceptional longevity under continuous operation. The housing is constructed from fiberglass-reinforced plastic (PBTP), providing superior structural rigidity and resistance to environmental stress. Its aerodynamic impeller design optimizes airflow delivery while maintaining acoustic discretion, making it an ideal solution for high-density electronic cooling applications requiring robust static pressure capabilities.

Model Number: 4312/17T
Brand: ebmpapst
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 8.0 - 13.2 VDC
Rated Current: 0.42 A (420 mA)
Power Consumption: 5.0 W
Rated Speed: 2800 RPM
Bearing Type: Ball Bearing
Max. Air Flow: 100.0 CFM (170 m^3/h)
Max. Static Pressure: 75 Pa (0.30 inH_2O)

Dimensions: 119 x 119 x 32 mm
Weight: 0.22 kg
Life Expectancy: 80,000 hrs at 40°C
Noise Level: 45 dB(A)
Termination: 4-Wire (Lead Wires)
Speed Control: Tachometer Output (Speed Sensor)
Housing Material: PBT Plastic (UL94V-0)
Impeller Material: PA Plastic (UL94V-0)
Operating Temperature: -20°C to +75°C
Mounting Orientation: Any
Ingress Protection: IP20

The 4312/17T is specifically calibrated for demanding applications such as variable frequency drives (VFD) and industrial inverters, where consistent heat dissipation is critical for component longevity. Additionally, the 4312/17T is frequently deployed in server rack ventilation, telecommunications power supply units, and precision medical instrumentation. Its robust 4-wire interface allows for precise speed monitoring and integration into automated climate control systems.

Supplemental Images


PBT-GF20-FR