8454/2H4P-183 ebmpapst 24VDC 0.28A 80x80x25mm Axial Fan Datasheet

Brand: ebmpapst

SKU: 986716858535

Category: Axial & Centrifugal Fans

Price: **$33.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/8454-2h4p-183-ebmpapst-24vdc-0-28a-80x80x25mm-axial-fan

Product Description

The ebmpapst 8454/2H4P-183 is a precision-engineered DC Axial Fan designed for critical thermal management in laboratory instrumentation and industrial electronics. Utilizing advanced commutation electronics and a durable ball bearing architecture, this unit ensures consistent airflow delivery while minimizing structural vibration and acoustic resonance. The aerodynamic profile of the impeller is optimized to reduce turbulence, thereby lowering thermal impedance within high-density enclosures. Designed for continuous operation, the 8454/2H4P-183 maintains structural rigidity under thermal stress, making it an ideal solution for precision cooling applications requiring long-term reliability and stable static pressure performance.

Model Number: 8454/2H4P-183
Brand: ebmpapst
Product Type: DC Axial Fan
Rated Voltage: 24 VDC
Voltage Range: 20.0 - 26.4 VDC
Rated Current: 0.28 A
Power Consumption: 6.8 W
Rated Speed: 3600 RPM (Nominal)
Bearing Type: Ball Bearing
Max. Air Flow: 49.4 CFM (84 m^3/h / 1.4 m^3/min)

Max. Static Pressure: 8.9 mmH_2O (87 Pa / 0.35 inH_2O)
Dimensions: 80 x 80 x 25 mm
Weight: 0.095 kg
Life Expectancy: 70,000 Hours at 40°C
Termination: 4-Wire Leads
Housing Material: PBT Plastic (Glass-fiber reinforced)
Impeller Material: PA Plastic (Glass-fiber reinforced)
Operating Temperature: -20 to +70 °C
Application: Agilent G7129 / G7167 Modules
Direction of Rotation: Counter-clockwise (viewed toward rotor)
Direction of Air Flow: Air over struts
Mounting Orientation: Any

This cooling unit is specifically configured for integration into precision laboratory equipment, serving as a critical component for Agilent liquid phase samplers, including the G7129 and G7167 modules. The 8454/2H4P-183 ensures optimal operating temperatures for sensitive electronic components within chromatography systems, preventing thermal drift and hardware failure. Beyond analytical chemistry instrumentation, the 8454/2H4P-183 is suitable for deployment in compact server racks, medical diagnostic devices, and industrial automation control panels where reliable, high-static pressure airflow is required to maintain system integrity.

Supplemental Images