

4184NXH ebm-papst 24VDC 120x120x38mm Metal Axial Fan Datasheet



Brand: ebmpapst

SKU: 938628078256

Category: Axial & Centrifugal Fans

Price: **\$74.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/4184nxh-ebm-papst-24vdc-120x120x38mm-metal-axial-fan>

Product Description

The ebm-papst 4184NXH is a robust DC Axial Fan designed for high-performance thermal management in demanding industrial environments. Engineered with a durable all-metal die-cast aluminum housing, this unit ensures exceptional structural rigidity and electromagnetic shielding properties essential for continuous operation in harsh conditions. It features a precision-balanced impeller driven by a high-efficiency DC motor, optimizing airflow while maintaining thermal impedance at manageable levels. The inclusion of a double ball bearing system significantly enhances longevity and reliability, making it suitable for critical cooling applications where component failure is not an option. This aerodynamic design delivers consistent static pressure for high-density electronics.

Model Number: 4184NXH

Brand: ebm-papst

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 12.0 - 28.0 VDC

Rated Current: 460 mA

Power Consumption: 11.0 W

Rated Speed: 4400 RPM

Max. Air Flow: 139.5 CFM (237 m³/h / 3.95 m³/min)

Max. Static Pressure: 11.2 mmH₂O (110 Pa / 0.44 inH₂O)

Bearing Type: Double Ball Bearing

Dimensions: 119 x 119 x 38 mm

Weight: 390 g

Noise Level: 59 dB(A)

Housing Material: Die-Cast Aluminum

Impeller Material: Sheet Steel / PA Composite

Operating Temperature: -20 °C to +70 °C

Storage Temperature: -40 °C to +80 °C

Life Expectancy: 70,000 Hours (40 °C)

Termination: 2 Wire Leads (AWG 22)

Ingress Protection: IP20

Approvals: UL, CSA, VDE

Features: Locked Rotor Protection, Reverse Polarity Protection

The 4184NXH is specifically engineered for critical thermal regulation within industrial frequency inverters and power conversion systems. Its robust metal construction makes it ideal for harsh environments found in CNC machinery control cabinets and server rack enclosures. By maintaining optimal operating temperatures, the 4184NXH prevents thermal throttling in high-load electronics, serving efficiently in telecommunication base stations, automation drive controllers, and medical instrumentation where consistent airflow is mandatory for system integrity.

Supplemental Images

