4184NGX ebmpapst 24VDC 120x120x38mm Metal Axial Fan Datasheet

Brand: ebmpapst

SKU: 897789554199

Category: Axial & Centrifugal Fans

Price: **$115.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/4184ngx-ebmpapst-24vdc-120x120x38mm-metal-axial-fan

Product Description

The ebmpapst 4184NGX is a precision-engineered DC axial fan designed for critical thermal management in industrial electronics and inverter systems. Utilizing ebmpapst's proprietary SinTec sleeve bearing technology, this unit offers a superior balance between structural rigidity and acoustic performance, ensuring low-noise operation without compromising longevity. The 24VDC motor architecture is optimized for high aerodynamic efficiency, delivering consistent airflow against moderate static pressure. Its robust die-cast aluminum housing provides excellent thermal impedance management and durability in harsh operating environments, making it an ideal solution for systems requiring reliable continuous operation.

Model Number: 4184NGX
Brand: ebmpapst
Product Type: DC Axial Fan
Rated Voltage: 24 VDC
Voltage Range: 12.0 - 31.5 VDC
Rated Current: 0.14 A
Power Input: 3.3 W
Rated Speed: 2800 RPM
Bearing Type: SinTec Sleeve Bearing
Max. Air Flow: 94.1 CFM (160 m^3/h)

Max. Static Pressure: 5.1 mmH_2O (50 Pa / 0.20 inH_2O)
Dimensions: 119 x 119 x 38 mm
Weight: 0.39 kg
Noise Level: 44 dB(A)
Housing Material: Die-cast Aluminum
Impeller Material: PA Plastic (Fiberglass reinforced)
Operating Temperature: -20°C to +75°C
Life Expectancy: 80,000 hours (40°C)
Termination: 2 Wire Leads (AWG 24, TR 64)
Direction of Rotation: Clockwise (viewed toward rotor)
Airflow Direction: Intake over struts
Protection: Reverse Polarity Protection, Impedance Protected
Approvals: VDE, CSA, UL, CE

The 4184NGX is engineered for high-reliability applications such as variable frequency drive (VFD) cooling and industrial inverter systems where consistent airflow is critical. Its robust construction makes it suitable for cabinet ventilation in automation control panels and telecommunications infrastructure where consistent thermal regulation is paramount. Integrators frequently select the 4184NGX for medical instrumentation and server rack cooling solutions due to its extended service life and stable performance curve under varying voltage inputs.

Supplemental Images