4313/19-189 ebm-papst 24VDC 120x120x32mm Axial Fan Datasheet

Brand: ebmpapst

SKU: 711255267032

Category: Axial & Centrifugal Fans

Price: **$66.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/4313-19-189-ebm-papst-24vdc-120x120x32mm-axial-fan

Product Description

The ebm-papst 4313/19-189 is a DC Axial Fan engineered for critical thermal management in industrial environments. Featuring an external rotor motor design with maintenance-free ball bearings, this unit ensures long-term reliability and reduced thermal impedance. The housing is constructed from fiberglass-reinforced plastic (PBT), providing exceptional structural rigidity and resistance to environmental stress. Its aerodynamic impeller geometry optimizes airflow while minimizing acoustic noise, making it suitable for continuous operation in variable voltage conditions ranging from 18 to 30.2 VDC.

Model Number: 4313/19-189
Brand: ebm-papst
Product Type: DC Axial Fan
Rated Voltage: 24 VDC
Voltage Range: 18.0 - 30.2 VDC
Rated Current: 190 mA (0.19 A)
Power Consumption: 4.6 W
Rated Speed: 2800 RPM
Bearing Type: Ball Bearing
Max. Air Flow: 100 CFM (170 m^3/h)
Max. Static Pressure: 75 Pa (0.30 inH_2O)

Dimensions: 120 x 120 x 32 mm
Weight: 220 g
Life Expectancy: 80,000 Hours at 40°C
Noise Level: 45 dB(A)
Housing Material: PBT Plastic (UL94V-0)
Impeller Material: PA Plastic (UL94V-0)
Operating Temperature: -20°C to +75°C
Storage Temperature: -40°C to +80°C
Ingress Protection: IP20
Insulation Class: Class E
Motor Protection: Reverse Polarity, Locked Rotor Protection
Termination: Lead Wires
Mounting Orientation: Any
Certifications: CE, UL, CSA, VDE

This cooling solution is specifically designed for high-demand applications such as frequency inverters and industrial automation control panels. The 4313/19-189 excels in dissipating heat from sensitive electronic components within telecommunications infrastructure and server cabinets. Additionally, the 4313/19-189 is frequently utilized in medical instrumentation and power supply units where consistent airflow is paramount for system stability.

Supplemental Images


ebmpapst
VarioPro® 4314 /19
24V ⎓ DC 190mA 4.6W
(18-30.2V ⎓ DC)
Var.189
+ RD - BK ALARM: BU
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