8214J/39NP-210 ebm-papst 24VDC 80x80x38mm PWM Axial Fan Datasheet

Brand: ebmpapst

SKU: 979919425949

Category: Axial & Centrifugal Fans

Price: **$49.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/8214j-39np-210-ebm-papst-24vdc-80x80x38mm-pwm-axial-fan

Product Description

The ebm-papst 8214J/39NP-210 is a precision-engineered DC Axial Fan designed for critical thermal management in high-density industrial electronics. Utilizing advanced DC motor technology paired with a robust ball bearing architecture, this unit ensures optimal rotational stability and extended operational longevity under continuous loads. The aerodynamic blade design minimizes turbulence while maximizing static pressure capabilities, effectively reducing thermal impedance within dense enclosures. Constructed with high-grade fiberglass-reinforced materials to ensure structural rigidity, the 8214J/39NP-210 delivers consistent cooling performance, making it an essential component for maintaining system reliability in demanding environments.

Model Number: 8214J/39NP-210
Brand: ebm-papst
Product Type: DC Axial Fan
Rated Voltage: 24 VDC
Voltage Range: 12.0 - 28.0 VDC
Rated Current: 0.43 A
Power Input: 10.3 W
Rated Speed: 8400 RPM
Max. Air Flow: 77.1 CFM (131 m^3/h)
Max. Static Pressure: 0.78 inH_2O (195 Pa)

Dimensions: 80 x 80 x 38 mm
Bearing Type: Ball Bearing
Noise Level: 55 dB(A)
Termination: 4-Wire Leads
Wire Function: Red (+), Blue (-), White (Tach/Sensor), Violet (PWM)
Housing Material: PBT Plastic, Fiberglass Reinforced (UL94V-0)
Impeller Material: PA Plastic, Fiberglass Reinforced (UL94V-0)
Weight: 0.200 kg
Operating Temperature: -20°C to +70°C
Life Expectancy (L10): 70,000 Hours at 40°C
Direction of Rotation: Counter-clockwise viewed toward rotor
Direction of Air Flow: Air exhaust over struts
Motor Protection: Reverse Polarity, Locked Rotor Protection

The 8214J/39NP-210 is engineered for high-density electronic applications requiring substantial airflow in compact spaces. Common deployments include server rack cooling, telecommunications base stations, and industrial automation control panels where heat dissipation is critical. The 8214J/39NP-210 is also frequently utilized in medical instrumentation, CNC machinery, and power supply units, ensuring components remain within safe operating temperatures to prevent thermal throttling or hardware failure.

Supplemental Images