DV4114/2N ebm-papst 24VDC 119x119x38mm 20.5W Axial Fan Datasheet

Brand: ebmpapst

SKU: 897515235469

Category: Axial & Centrifugal Fans

Price: **$248.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/dv4114-2n-ebm-papst-24vdc-119x119x38mm-20-5w-axial-fan

Product Description

The ebm-papst DV4114/2N is a high-performance DC Axial Fan engineered for demanding industrial environments requiring substantial airflow and static pressure. This unit features a robust die-cast aluminum housing which provides exceptional structural rigidity and thermal management capabilities, allowing the 20.5W motor to operate efficiently under heavy loads. Utilizing advanced ball bearing architecture and an aerodynamically optimized fiberglass-reinforced plastic impeller, the fan delivers a high-velocity air stream while maintaining mechanical stability. The DV4114/2N is designed with a 3-wire configuration, integrating a speed signal output for precise monitoring, making it a critical component for thermal regulation in automation and robotics systems.

Model Number: DV4114/2N
Brand: ebm-papst
Product Type: DC Axial Fan
Rated Voltage: 24 VDC
Voltage Range: 16.0 - 30.0 VDC
Rated Current: 0.85 A
Power Input: 20.5 W
Rated Speed: 6000 RPM
Bearing Type: Ball Bearing
Max. Air Flow: 164.8 CFM (280 m^3/h)

Max. Static Pressure: 1.97 inH_2O (490 Pa)
Dimensions: 119 x 119 x 38 mm
Weight: 0.415 kg
Noise Level: 61 dB(A)
Housing Material: Die-cast Aluminum
Impeller Material: PA Plastic (Fiberglass Reinforced)
Termination: 3-Wire Leads
Speed Control: Speed Signal (Frequency Generator / Tachometer)
Operating Temperature: -20°C to +65°C
Life Expectancy: 70,000 Hours @ 40°C
Approvals: UL, CSA, VDE
Direction of Rotation: Clockwise (viewed toward rotor)

The DV4114/2N is specifically calibrated for high-reliability applications, most notably serving as a cooling solution for KUKA robotics controllers and drive systems. Its high static pressure capabilities make it ideal for densely packed electronic enclosures where overcoming system impedance is necessary. Beyond robotics, the DV4114/2N is frequently deployed in industrial automation cabinets, telecommunications infrastructure, and heavy-duty power supply units where consistent thermal dissipation is mandatory for system longevity.

Supplemental Images