

DV5214/2N ebm-papst 24VDC 0.77A 127x127x38mm Diagonal Fan Datasheet



Brand: ebmpapst

SKU: 900408037599

Category: Axial & Centrifugal Fans

Price: \$75.99

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Product Page:

<https://www.equipspares.com/product/dv5214-2n-ebm-papst-24vdc-0-77a-127x127x38mm-diagonal-fan>

Product Description

The ebm-papst DV5214/2N is a high-efficiency Diagonal Fan designed for applications requiring sustained airflow against high static pressure. Engineered with a robust die-cast aluminum housing and a fiberglass-reinforced PA plastic impeller, this unit integrates advanced DC motor technology with a precision ball bearing system to ensure low thermal impedance and exceptional structural rigidity. The diagonal flow design optimizes aerodynamic performance, significantly reducing turbulence while maintaining consistent cooling throughput in densely packed electronic enclosures. Its 3-wire configuration supports speed monitoring, making it ideal for critical thermal management systems requiring feedback loops.

Model Number: DV5214/2N

Brand: ebm-papst

Product Type: Diagonal Fan

Rated Voltage: 24VDC

Voltage Range: 16.0 - 30.0 VDC

Rated Current: 0.77 A

Power Input: 18.5 W

Rated Speed: 5000 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 158.9 CFM (270 m³/h / 4.5 m³/min)

Max. Static Pressure: 23.45 mmH₂O (230 Pa / 0.92 inH₂O)

Dimensions: 127 x 127 x 38 mm

Weight: 0.415 kg

Noise Level: 56 dB(A)

Life Expectancy: 70,000 Hours @ 40°C (L10)

Operating Temperature: -20°C to +65°C

Housing Material: Die-cast Aluminum

Impeller Material: Fiberglass-reinforced PA Plastic

Termination: 3 Lead Wires (AWG 22, TR 64)

Speed Control: Speed Signal (Tachometer /2N)

Direction of Rotation: Counter-clockwise (viewed toward rotor)

Ingress Protection: IP20

Approvals: VDE, CSA, UL, CE

Designed for high-reliability environments, the DV5214/2N is frequently utilized in frequency inverters, solar power converters, and industrial automation control cabinets. The robust construction of the DV5214/2N ensures consistent operation in server racks and telecommunications infrastructure where continuous heat dissipation is critical. Additionally, this model serves effectively in medical diagnostic equipment and CNC machinery, providing the necessary static pressure to overcome resistance in compact ventilation ducts.

Supplemental Images

