

FD1238D24HB JINYUDA 24VDC 120x120x38mm Axial Fan Datasheet



SKU: [1001069316590](#)

Category: Axial & Centrifugal Fans

Price: **\$13.99**

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Product Page:

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Product Description

The JINYUDA FD1238D24HB is a high-reliability DC Axial Fan engineered for demanding industrial thermal management applications. Utilizing advanced Dual Ball Bearing architecture, this unit ensures minimized frictional coefficients and extended operational longevity, significantly reducing maintenance intervals in continuous-duty environments. The aerodynamic impeller design optimizes static pressure delivery while maintaining a balanced airflow profile, effectively lowering thermal impedance within high-density enclosures. Constructed with a robust thermoplastic frame, the FD1238D24HB offers superior structural rigidity and resistance to environmental stressors, making it an ideal solution for precision cooling in power electronics and automation systems.

Model Number: FD1238D24HB

Brand: JINYUDA

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.25 A

Power Consumption: 6.0 W

Rated Speed: 3500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 105.0 CFM (178.4 m³/h / 2.97 m³/min)

Max. Static Pressure: 8.13 mmH₂O (79.7 Pa / 0.32 inH₂O)

Dimensions: 120x120x38mm

Weight: 270 g

Life Expectancy: 50,000 Hours @ 40°C

Noise Level: 42.0 dBA

Housing Material: PBT (UL94V-0)

Impeller Material: PBT (UL94V-0)

Termination: 2-Wire Lead

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP20

Insulation Resistance: >10M Ohm at 500VDC

Dielectric Strength: 500VAC for 1 Minute

Motor Protection: Impedance Protected, Reverse Polarity Protection

Rotation: Counter-clockwise (viewed from blade)

The JINYUDA FD1238D24HB is specifically calibrated for integration into industrial power systems, including heavy-duty welding machines and variable frequency drives (VFDs). Its robust airflow characteristics make it suitable for forced convection cooling in server racks, telecommunication cabinets, and CNC control panels where heat dissipation is critical. Engineers frequently specify the FD1238D24HB for instrumentation and medical devices requiring consistent thermal regulation. Additionally, the FD1238D24HB serves as a reliable component in photovoltaic inverters and uninterrupted power supplies (UPS), ensuring component stability under varying load conditions.

Supplemental Images

