

4E-DVB Bi-Sonic 115/230VAC 120x120x38mm Full Metal Axial Fan Datasheet



Brand: Bi-Sonic

SKU: 948577112287

Category: Axial & Centrifugal Fans

Price: \$55.99

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/4e-dvb-bi-sonic-115-230vac-120x120x38mm-full-metal-axial-fan>

Product Description

The Bi-Sonic 4E-DVB is a robust industrial axial fan engineered for demanding thermal management environments requiring versatile power input options. This unit features a specialized dual-voltage AC motor capable of operating efficiently at both 115V and 230V, providing significant flexibility for global equipment integration. Constructed with a full metal frame and impeller, the 4E-DVB offers superior structural rigidity and resistance to environmental stressors compared to standard thermoplastic alternatives. Its aerodynamic design optimizes airflow while maintaining stable static pressure, ensuring effective heat dissipation in high-density enclosures. The fan utilizes precision bearing architecture to minimize friction and extend operational lifespan, making it an ideal solution for continuous-duty applications where reliability and thermal impedance reduction are critical performance metrics.

Model Number: 4E-DVB

Brand: Bi-Sonic

Product Type: AC Axial Fan

Rated Voltage: 115/230 VAC (Dual Voltage)

Frequency: 50/60 Hz

Dimensions: 120 x 120 x 38 mm

Frame Material: Aluminum Alloy (Full Metal)

Impeller Material: Metal

Bearing Type: Ball Bearing

Rated Speed: 2600 / 2900 RPM

Max. Air Flow: 95 / 115 CFM (2.69 / 3.25 m³/min)

Max. Static Pressure: 0.28 / 0.34 inH₂O (7.11 / 8.64 mmH₂O)

Noise Level: 44 / 49 dBA

Power Consumption: 21 / 19 W

Rated Current: 0.24 / 0.12 A

Termination: Lead Wires / Terminals

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 50,000 hours at 25°C

Weight: 550g

Motor Protection: Impedance Protected

Insulation Resistance: 100M Ohms at 500VDC

Dielectric Strength: 1500VAC for 1 minute

Safety Approvals: UL, cUL, TUV, CE

The Bi-Sonic 4E-DVB is frequently deployed in industrial machinery and power supply units where rugged construction is mandatory. Its dual-voltage capability makes the 4E-DVB particularly valuable for export-oriented equipment such as welding machines, CNC controllers, and telecommunications cabinets that may encounter varying grid standards. Additionally, the 4E-DVB is utilized in server rack ventilation and heavy-duty instrumentation panels, ensuring critical components remain within safe operating temperatures.

Supplemental Images

