

# 5E-DVB-1 Bi-Sonic 115/230VAC 172x150x51mm Axial Fan Datasheet



**Brand:** Bi-Sonic

**SKU:** [943714483639](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$77.99**

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Product Page:

<https://www.equipspares.com/product/5e-dvb-1-bi-sonic-115-230vac-172x150x51mm-axial-fan>

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## Product Description

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The Bi-Sonic 5E-DVB-1 is a robust AC axial fan engineered for demanding industrial environments requiring versatile power input options. This unit features a sophisticated dual-voltage motor design capable of operating efficiently across 100-120VAC and 200-230VAC inputs, providing significant flexibility for global equipment integration. Constructed with a high-grade aluminum die-cast housing and UL94V-0 thermoplastic impeller, the fan ensures exceptional structural rigidity and thermal stability under continuous operation. Its aerodynamic profile is optimized to deliver high airflow while maintaining manageable noise levels, making it suitable for systems with strict thermal impedance requirements. The motor utilizes precision ball bearings to extend service life and reduce frictional heat generation, ensuring reliable performance even in elevated temperature conditions.

Model Number: 5E-DVB-1

Brand: Bi-Sonic

Product Type: AC Axial Fan

Rated Voltage: 115/230 VAC (Dual Voltage)

Voltage Range: 100-120 / 200-240 VAC

Frequency: 50/60 Hz

Rated Current: 0.56/0.26 A (50Hz) / 0.48/0.24 A (60Hz)

Input Power: 43/40 W

Rated Speed: 2800/3200 RPM

Bearing Type: Ball Bearing  
Max. Air Flow: 210/240 CFM (5.94/6.79 m<sup>3</sup>/min)  
Max. Static Pressure: 0.63/0.79 inH<sub>2</sub>O (15.9/19.8 mmH<sub>2</sub>O)  
Dimensions: 172mm x 150mm x 51mm  
Weight: 910 g  
Life Expectancy: 50,000 hours at 25°C  
Noise Level: 50/55 dBA  
Housing Material: Aluminum Die-Cast  
Impeller Material: Thermoplastic PBT (UL94V-0)  
Motor Type: Capacitor-Run Induction Motor  
Termination: Lead Wires or Terminals  
Operating Temperature: -10°C to +70°C  
Storage Temperature: -40°C to +70°C  
Insulation Resistance: 100MΩ min. at 500VDC  
Dielectric Strength: 1500VAC for 1 minute  
Protection: Impedance Protected  
Safety Certifications: UL, cUL, TUV, CE

The 5E-DVB-1 is frequently deployed in critical infrastructure where power supply standards may vary or where equipment is exported globally. Its dual-voltage capability makes the 5E-DVB-1 an ideal choice for universal power supply units, large-scale server cabinets, and industrial automation control panels. Manufacturers of welding machines and heavy-duty instrumentation rely on the 5E-DVB-1 for its ability to withstand high operational temperatures while delivering consistent cooling. Additionally, this model is often integrated into telecommunications enclosures and HVAC auxiliary systems where long-term reliability and sturdy metal construction are non-negotiable requirements.

## Supplemental Images

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