

4C-230HB Bi-Sonic 230VAC 120x120x38mm Aluminum Axial Fan Datasheet



Brand: Bi-Sonic

SKU: [912107513830](#)

Category: Axial & Centrifugal Fans

Price: **\$25.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/4c-230hb-bi-sonic-230vac-120x120x38mm-aluminum-axial-fan>

Product Description

The Bi-Sonic 4C-230HB is a robust AC Axial Fan engineered for high-demand industrial cooling environments requiring superior structural rigidity. Utilizing a reliable shaded pole motor architecture coupled with a precision bearing system, this unit delivers consistent airflow while minimizing thermal impedance. The construction features a heavy-duty die-cast aluminum alloy frame which significantly enhances heat dissipation and vibration resistance compared to standard plastic alternatives. Designed for continuous duty cycles, the aerodynamic impeller profile optimizes pressure generation, ensuring efficient thermal management in systems where durability and performance stability are paramount specifications.

Model Number: 4C-230HB

Brand: Bi-Sonic

Product Type: AC Axial Fan

Rated Voltage: 230 VAC

Voltage Range: 220 - 240 VAC

Frequency: 50 / 60 Hz

Rated Current: 0.14 / 0.11 A

Power Input: 22 / 19 W

Rated Speed: 2650 / 3050 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 100.0 CFM (169.9 m³/h / 2.83 m³/min)

Max. Static Pressure: 7.87 mmH₂O (77.2 Pa / 0.31 inH₂O)

Dimensions: 120 x 120 x 38 mm

Weight: 540 g

Housing Material: Die-Cast Aluminum Alloy

Impeller Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +70 °C

Noise Level: 46 dBA

Life Expectancy: 50,000 Hours @ 25°C

Dielectric Strength: 1500 VAC for 1 Min

Insulation Resistance: > 500M Ohms

Motor Protection: Impedance Protected

Termination: Lead Wires / Terminals

The Bi-Sonic 4C-230HB is extensively utilized in industrial automation enclosures, server cabinets, and power supply units where reliable heat extraction is critical. Its robust aluminum construction makes the 4C-230HB particularly suitable for harsh manufacturing environments, including CNC machinery control panels and heavy-duty instrumentation cooling. The fan is also frequently deployed in telecommunications infrastructure and medical equipment racks, ensuring optimal operating temperatures for sensitive electronic components.

Supplemental Images

