

# 4E-230B 02 Bi-Sonic 230VAC 120x120x38mm All-Metal Axial Fan Datasheet



**Brand:** Bi-Sonic

**SKU:** [808152852021](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$25.99**

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Product Page:

<https://www.equipspares.com/product/4e-230b-02-bi-sonic-230vac-120x120x38mm-all-metal-axial-fan>

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## Product Description

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The Bi-Sonic 4E-230B 02 is a high-temperature resistant Axial Fan engineered for demanding industrial thermal management. Utilizing a robust AC induction motor, this unit features an all-metal construction with a die-cast aluminum housing and steel impellers to ensure structural rigidity under extreme thermal stress. The dual ball bearing architecture minimizes friction and optimizes rotational stability, significantly reducing thermal impedance within the system. Designed for continuous operation, the aerodynamic profile of the blades is precision-engineered to maximize static pressure while maintaining acoustic efficiency. This model represents a reliable solution for environments where plastic components would fail due to heat or chemical exposure.

Model Number: 4E-230B 02

Brand: Bi-Sonic

Product Type: Axial Fan

Rated Voltage: 230VAC

Voltage Range: 207.0-253.0VAC

Rated Current: 0.13A

Power: 22W

Rated Speed: 2700RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 85.00CFM (144.41m<sup>3</sup>/h / 2.41m<sup>3</sup>/min)

Max. Static Pressure: 7.11mmH<sub>2</sub>O (69.72Pa / 0.28inH<sub>2</sub>O)

Dimensions: 120x120x38mm

Weight: 550g

Life Expectancy: 50,000Hours

Noise Level: 45dB(A)

Housing Material: Die-Cast Aluminum

Blade Material: Steel

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +80°C

Insulation Class: Class B

Termination: Lead Wires

Protection: Impedance Protected

Certifications: UL, CUL, TUV, CE

The 4E-230B 02 is specifically designed for integration into high-heat industrial environments such as commercial ovens, drying equipment, and heavy-duty welding machines. Given its all-metal construction, the 4E-230B 02 excels in CNC machinery and factory automation cabinets where durability is paramount. It is also frequently utilized in telecommunication base stations and server enclosures that require consistent airflow under high static pressure conditions.

## Supplemental Images

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