

3.5E-230HB Bi-Sonic 230VAC 92x92x38mm Metal Axial Fan Datasheet



Brand: Bi-Sonic

SKU: [702427758246](#)

Category: Axial & Centrifugal Fans

Price: **\$32.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/3-5e-230hb-bi-sonic-230vac-92x92x38mm-metal-axial-fan>

Product Description

The Bi-Sonic 3.5E-230HB is a heavy-duty AC Axial Fan engineered for rigorous industrial environments requiring superior structural rigidity and thermal resilience. Designed by Bi-Sonic Technology, this unit features a robust die-cast aluminum frame and high-temperature metal impeller, optimizing aerodynamic efficiency while mitigating thermal impedance. Utilizing a precision Ball Bearing architecture, it ensures consistent rotational stability and extended service life under elevated operating temperatures. The all-metal construction provides exceptional durability against mechanical stress, oxidation, and corrosive elements, making it an ideal thermal management solution for mission-critical machinery where reliability is non-negotiable.

Model Number: 3.5E-230HB

Brand: Bi-Sonic (Taiwan)

Product Type: AC Axial Fan

Rated Voltage: 230 VAC

Frequency: 50 / 60 Hz

Voltage Range: 200 - 240 VAC

Rated Current: 0.11 / 0.10 A

Input Power: 16 / 14 W

Rated Speed: 2700 / 3100 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 52.0 CFM (88.3 m³/h / 1.47 m³/min)
Max. Static Pressure: 0.22 inH₂O (5.6 mmH₂O / 54.9 Pa)
Dimensions: 92 x 92 x 38 mm
Weight: 450 g (0.99 lbs)
Life Expectancy: 50,000 Hours at 25°C
Noise Level: 38 / 42 dBA
Housing Material: Die-Cast Aluminum
Impeller Material: Metal (High Temperature Resistant)
Operating Temperature: -30°C to +75°C
Storage Temperature: -40°C to +80°C
Dielectric Strength: 1500 VAC for 1 Min
Insulation Resistance: 100 MΩ at 500 VDC
Motor Protection: Impedance Protected
Termination: Lead Wires / Terminals
Safety Approvals: CE, UL, TUV, RoHS Compliant

The 3.5E-230HB is specifically calibrated for demanding high-temperature industrial applications, including heavy-duty welding equipment, power supply cabinets, and automation control panels. Its robust all-metal design allows it to function reliably in environments where standard plastic fans would fail due to heat or physical stress. Additionally, the 3.5E-230HB is widely integrated into server rack assemblies, HVAC instrumentation, and telecommunication enclosures, providing critical airflow to prevent component overheating in restricted spaces.

Supplemental Images

