3.5E-230HB(180°C/250) Bi-Sonic 230VAC 92x92x38mm High Temp Axial Fan Datasheet

Brand: Bi-Sonic

SKU: 686748984348

Category: Axial & Centrifugal Fans

Price: **$35.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/3-5e-230hb180c-250-bi-sonic-230vac-92x92x38mm-high-temp-axial-fan

Product Description

The Bi-Sonic 3.5E-230HB(180°C/250) is a specialized AC Axial Fan designed explicitly for extreme thermal environments where standard cooling solutions fail. Engineered with a robust all-metal chassis and impeller, this unit ensures superior structural rigidity and resistance to thermal deformation up to 180°C. The motor utilizes high-grade, high-temperature ball bearings to maintain operational stability under severe thermal stress, optimizing thermal impedance management within industrial enclosures. Its aerodynamic metal blade design balances airflow efficiency with durability, making it an essential component for critical heat dissipation applications requiring reliable performance in harsh, high-temperature conditions.

Model Number: 3.5E-230HB(180°C/250)
Brand: Bi-Sonic
Product Type: AC Axial Fan
Rated Voltage: 230 VAC
Voltage Range: 200 - 240 VAC
Frequency: 50 / 60 Hz
Rated Current: 0.11 / 0.09 A
Input Power: 16 / 14 W

Rated Speed: 2300 / 2800 RPM
Bearing Type: High Temperature Ball Bearing
Max. Air Flow: 48.0 CFM (81.55 m^3/h / 1.36 m^3/min)
Max. Static Pressure: 4.57 mmH_2O (44.82 Pa / 0.18 inH_2O)
Dimensions: 92 x 92 x 38 mm
Noise Level: 33 / 38 dBA
Housing Material: Aluminum Die-Cast (Black)
Impeller Material: Metal
Operating Temperature: -10°C to +180°C
Storage Temperature: -40°C to +80°C
Termination: Lead Wires
Weight: 480 g
Life Expectancy: 50,000 Hours at 25°C
Dielectric Strength: 1500 VAC for 1 Min
Insulation Resistance: 100M Ohms min at 500 VDC
Motor Protection: Impedance Protected
Safety Approval: UL, CUL, TUV, CE
Feature: All Metal Construction for High Heat Resistance

The 3.5E-230HB(180°C/250) is specifically engineered for deployment in high-temperature industrial sectors, including industrial ovens, heat exchangers, and heavy-duty welding machinery. Its all-metal construction makes it ideal for ventilating control cabinets and server racks located in foundries or steel mills where plastic components would compromise structural integrity. By integrating the 3.5E-230HB into thermal management systems, operators ensure continuous air circulation in environments reaching 180°C, safeguarding sensitive electronics and power supplies from thermal shutdown in rigorous manufacturing workflows.

Supplemental Images


Bi-Sonic
Bi-Sonic Technology Corp.
MODEL:3.5E-230HB(180℃/250)
TUBEAXIAL FAN
230VAC 50/60Hz 16/14W JL
IMPEDANCE PROTECTED C1
CLASS B INSULATED