4E-230B02 Bi-Sonic 230VAC 22W 120x38mm Metal Axial Fan Datasheet

Brand: Bi-Sonic

SKU: 926118715639

Category: Axial & Centrifugal Fans

Price: **$34.86**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/4e-230b02-bi-sonic-230vac-22w-120x38mm-metal-axial-fan

Product Description

The Bi-Sonic 4E-230B02 is a high-temperature AC axial fan featuring a 120 x 120 x 38 mm frame, a nominal operating voltage of 230 VAC, and a maximum airflow output of 120 CFM. Constructed with a rugged die-cast aluminum housing and a metal impeller, this unit maintains structural integrity under elevated thermal loads. It utilizes a precision dual ball bearing system to ensure a prolonged operational lifespan of 50,000 hours and operates at a maximum power consumption of 22 W. The fan connects via standard terminal or lead wire interfaces and features an impedance-protected shaded pole motor to prevent electrical failure under locked rotor conditions.

4E-230B02 Specifications
Model Number: 4E-230B02
Brand: Bi-Sonic
Product Category: AC Axial Fan
Nominal Voltage: 230 VAC
Operating Voltage Range: 215 VAC to 245 VAC
Frequency: 50 Hz / 60 Hz
Input Power: 22 W (50 Hz) / 21 W (60 Hz)
Input Current: 0.14 A (50 Hz) / 0.13 A (60 Hz)
Dimensions: 120 x 120 x 38 mm
Rotational Speed: 2700 RPM (50 Hz) / 3000 RPM (60 Hz)

Maximum Airflow: 106 CFM (50 Hz) / 120 CFM (60 Hz)
Static Pressure: 0.29 inH2O (50 Hz) / 0.27 inH2O (60 Hz)
Acoustical Noise: 46 dB(A) (50 Hz) / 50 dB(A) (60 Hz)
Bearing Type: Dual Ball Bearing
Housing Material: Die-Cast Aluminum
Impeller Material: Metal
Operating Temperature: -30 °C to 75 °C
Life Expectancy: 50,000 Hours
Weight: 600 g
Motor Type: Shaded Pole Motor (Impedance Protected)
Insulation Class: Class B
Dielectric Strength: 1400 VAC for 1 Minute
Insulation Resistance: 100 MOhm at 500 VDC
Termination: 2-Wire / Faston Terminals
Certifications: UL, CSA, TUV, VDE, CE, RoHS

4E-230B02 Applications

Primary applications include integration into industrial control cabinets, commercial refrigeration systems, and high-power server racks requiring extreme thermal management. Deployed within CNC machinery spindle cooling units, telecom base stations, and heavy-duty power supply enclosures, the all-metal construction ensures sustained operation in high-temperature environments.

Supplemental Images