5E-380B Bi-Sonic 380VAC 172x150x51mm High Temp Axial Fan Datasheet

Brand: Bi-Sonic

SKU: 895520112410

Category: Axial & Centrifugal Fans

Price: **$66.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/5e-380b-bi-sonic-380vac-172x150x51mm-high-temp-axial-fan

Product Description

The Bi-Sonic 5E-380B is a robust AC axial fan engineered for high-voltage industrial environments requiring substantial thermal management. This unit utilizes an induction motor architecture housed within a die-cast aluminum frame, ensuring structural rigidity and superior heat dissipation under continuous operation. Featuring a precision ball bearing system, the fan delivers consistent rotational stability and extended service life, even in elevated ambient temperatures. The aerodynamic impeller design optimizes airflow efficiency while minimizing turbulence-induced noise, making it an ideal solution for critical cooling applications where thermal impedance must be actively managed.

Model Number: 5E-380B
Brand: Bi-Sonic
Product Type: AC Axial Fan
Rated Voltage: 380 VAC
Frequency: 50/60 Hz
Input Power: 46/44 W
Rated Current: 0.12 / 0.11 A
Rated Speed: 2800 / 3200 RPM
Max. Air Flow: 205 / 235 CFM (348 / 399 m^3/h)
Max. Static Pressure: 15.9 / 19.8 mmH_2O (0.63 / 0.79 inH_2O)

Bearing Type: Ball Bearing
Dimensions: 172mm x 150mm x 51mm
Frame Material: Aluminum Die-Cast (Black Paint)
Impeller Material: Thermoplastic PBT (UL94V-0)
Noise Level: 50 / 55 dBA
Life Expectancy: 50,000 Hours at 25°C
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +80°C
Termination: Lead Wires / Terminals
Motor Type: Capacitor-Run Induction Motor
Protection: Impedance Protected
Insulation Class: Class B
Dielectric Strength: 1500VAC for 1 Min
Weight: 910 g
Mounting: Flange Mount

The 5E-380B is specifically designed for high-demand industrial applications such as Uninterruptible Power Supplies (UPS), heavy-duty server cabinets, and industrial automation control panels. Its high-voltage capability allows for direct integration into 380V mains systems often found in manufacturing facilities and CNC machinery. By maintaining optimal operating temperatures, the 5E-380B ensures the reliability of sensitive power electronics and telecommunications equipment, preventing thermal shutdown in critical infrastructure.

Supplemental Images


Bi-Sonic
T557776
Bi-Sonic
T505280
G4522
Bi-Sonic