

12P-230HB VA Bi-Sonic 230VAC 120x120x38mm IP55 Metal Axial Fan Datasheet



Brand: Bi-Sonic

SKU: 1015164239446

Category: Axial & Centrifugal Fans

Price: **\$19.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/12p-230hb-va-bi-sonic-230vac-120x120x38mm-ip55-metal-axial-fan>

Product Description

The Bi-Sonic 12P-230HB VA is a robust AC Axial Fan engineered for demanding industrial environments requiring superior structural rigidity and thermal management. Featuring a die-cast aluminum housing and high-temperature resistance, this unit optimizes thermal impedance management within enclosed systems. The motor assembly utilizes precision ball bearing architecture to ensure consistent rotational stability under 230VAC operation, significantly extending the mean time between failures (MTBF). Its aerodynamic impeller design maximizes airflow delivery while maintaining operational efficiency, making it an ideal solution for high-stress cooling applications where ingress protection (IP55) against dust and moisture is paramount.

Model Number: 12P-230HB VA

Brand: Bi-Sonic

Product Type: AC Axial Fan

Rated Voltage: 230 VAC

Frequency: 50 / 60 Hz

Input Power: 18 / 16 W

Rated Current: 0.12 / 0.10 A

Rated Speed: 2650 / 2950 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 95.0 / 115.0 CFM (161.4 / 195.4 m³/h)

Max. Static Pressure: 0.28 / 0.34 inH₂O (69.7 / 84.6 Pa)

Dimensions: 120 x 120 x 38 mm

Frame Material: Aluminum Die-Cast (Black Painted)

Blade Material: Thermoplastic PBT (UL94V-0)

Ingress Protection: IP55

Noise Level: 44 / 48 dBA

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +80°C

Insulation Resistance: > 100M Ohms at 500VDC

Dielectric Strength: 1500VAC for 1 Minute

Life Expectancy: 50,000 Hours at 25°C

Weight: 540 g

Mounting: Flange Mount

Designed for rigorous thermal regulation, the 12P-230HB VA is frequently deployed in industrial control cabinets, server racks, and power supply units requiring consistent heat dissipation. Its robust metal construction makes it suitable for CNC machinery and automation equipment where environmental resistance is necessary. The 12P-230HB VA ensures reliable operation in telecommunications infrastructure and medical instrumentation, effectively mitigating thermal buildup in continuous-duty cycles.

Supplemental Images

