

HDB0712UA HXH 12VDC 70x70x25mm Double Ball Axial Fan Datasheet



Brand: HXH

SKU: [1012862642966](#)

Category: Axial & Centrifugal Fans

Price: **\$5.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/hdb0712ua-hxh-12vdc-70x70x25mm-double-ball-axial-fan>

Product Description

The HXH HDB0712UA is a precision-engineered Axial Fan designed for demanding thermal management applications requiring a balance of airflow and static pressure. This unit integrates a robust DC brushless motor with a Double Ball Bearing architecture, ensuring minimized friction and extended operational longevity under continuous load. The 70mm frame is constructed from reinforced thermoplastic, offering superior structural rigidity and resistance to thermal deformation. Optimized blade geometry enhances aerodynamic efficiency, delivering a high static pressure to airflow ratio while maintaining low thermal impedance. It is specifically calibrated for industrial environments requiring reliable heat dissipation and stable electrical performance.

Model Number: HDB0712UA

Brand: HXH

Product Type: Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.35 A

Power: 4.2 W

Rated Speed: 4200 RPM

Bearing Type: Double Ball Bearing

Max. Air Flow: 38.5 CFM (65.4 m³/h / 1.09 m³/min)

Max. Static Pressure: 5.2 mmH₂O (50.9 Pa / 0.20 inH₂O)

Dimensions: 70x70x25mm

Weight: 85 g

Life Expectancy: 50,000 Hours @ 40°C

Noise Level: 39.0 dBA

Housing Material: PBT Thermoplastic (UL94V-0)

Impeller Material: PBT Thermoplastic (UL94V-0)

Termination: 2-Wire Lead (Red +, Black -)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Insulation Resistance: >10M Ohm at 500VDC

Dielectric Strength: 500VAC for 1 Minute

Protection: Impedance Protected, Reverse Polarity

The HDB0712UA is engineered for integration into high-density electronic enclosures where space is constrained but airflow requirements are critical. Common deployment scenarios include server rack cooling modules, industrial power supply units, and telecommunications equipment requiring consistent thermal regulation. The HDB0712UA also serves effectively in CNC machinery control panels and medical instrumentation, providing the necessary static pressure to overcome system impedance in tightly packed component arrays.

Supplemental Images

