

BCY6025B12H HSC 12VDC 60x60x25mm Dual Ball Axial Fan Datasheet



SKU: 959666886860

Category: Axial & Centrifugal Fans

Price: **\$8.99**

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Product Page:

<https://www.equipspares.com/product/bcy6025b12h-hsc-12vdc-60x60x25mm-dual-ball-axial-fan>

Product Description

The HSC BCY6025B12H is a precision-engineered Axial Fan designed for high-density thermal management applications requiring robust airflow in compact form factors. Utilizing a high-torque DC brushless motor architecture, this unit delivers consistent aerodynamic performance while maintaining optimal thermal impedance within restricted enclosures. The chassis is constructed for structural rigidity, housing a durable Dual Ball Bearing system that ensures exceptional longevity and stability under continuous high-speed operation. Engineered for industrial reliability, the BCY6025B12H balances aerodynamic efficiency with mechanical endurance, making it a critical component for systems requiring sustained heat dissipation, minimized vibrational resonance, and extended service intervals in harsh operating environments.

Model Number: BCY6025B12H

Brand: HSC

Product Type: Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.35 A

Power: 4.2 W

Rated Speed: 6000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 28.5 CFM (48.4 m³/h / 0.81 m³/min)
Max. Static Pressure: 7.2 mmH₂O (70.6 Pa / 0.28 inH₂O)
Dimensions: 60x60x25mm
Weight: 65 g
Life Expectancy: 70,000 Hours @ 40°C
Housing Material: PBT (UL94V-0)
Impeller Material: PBT (UL94V-0)
Termination: 2-Wire Lead
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Noise Level: 38.5 dB(A)
Motor Protection: Impedance Protected / Reverse Polarity
Mounting Orientation: Any

This cooling solution is specifically calibrated for demanding industrial environments such as compact server racks, network switches, and power supply units where space is at a premium but airflow cannot be compromised. The BCY6025B12H excels in CNC machinery control panels and telecommunications equipment, providing the necessary static pressure to overcome system resistance. Integrators frequently select the BCY6025B12H for medical instrumentation and industrial automation setups, relying on its robust bearing structure to maintain uptime in critical operational workflows.

Supplemental Images

