

# BFB04505HA-B104 Delta 5VDC 45x45x10mm Centrifugal Blower Datasheet



**Brand:** Delta

**SKU:** [929056937665](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$16.99**

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Product Page:

<https://www.equipspares.com/product/bfb04505ha-b104-delta-5vdc-45x45x10mm-centrifugal-blower>

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## Product Description

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The Delta BFB04505HA-B104 is a high-precision DC centrifugal blower engineered for localized thermal management in space-constrained industrial environments. Utilizing a sophisticated brushless DC motor architecture, this unit integrates advanced aerodynamic impeller geometry to optimize static pressure against high thermal impedance. The structural rigidity of the UL94V-0 plastic housing ensures dimensional stability during high-speed operation, while the dual ball bearing system provides a robust mechanical interface for extended service life. This blower is designed to deliver concentrated airflow, making it an essential component for maintaining component integrity in dense electronic assemblies.

Model Number: BFB04505HA-B104

Brand: Delta Electronics

Product Type: Centrifugal Blower

Rated Voltage: 5VDC

Voltage Range: 4.0 - 5.5 VDC

Rated Current: 0.17A

Power: 0.85W

Rated Speed: 5500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 3.04 CFM (0.086 m<sup>3</sup>/min)

Max. Static Pressure: 12.7 mmH<sub>2</sub>O (0.500 inH<sub>2</sub>O)

Dimensions: 45 x 45 x 10 mm

Weight: 25g

Life Expectancy: 70,000 Hours at 40C

Noise Level: 31.5 dB(A)

Speed Control: 3-Wire (Tachometer/Signal Output)

Housing Material: Plastic (UL 94V-0)

Blade Material: Plastic (UL 94V-0)

Termination: 3 Lead Wires

Operating Temperature: -10 to +70 C

Storage Temperature: -40 to +75 C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Certifications: CE, TUV, UL, CSA

The BFB04505HA-B104 is specifically optimized for precision cooling in 3D printer hotends and small-scale electronic enclosures where directional airflow is critical. Due to its compact 45mm form factor, the BFB04505HA-B104 is frequently integrated into medical diagnostic equipment, compact projectors, and telecommunication modules to prevent localized overheating. Its high static pressure capability allows it to push air through restrictive heat sinks and narrow ducts effectively.

## Supplemental Images

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