

BFB1012HD-HQF Delta 13.5VDC 97mm Blower Datasheet

**Brand:** Delta**SKU:** 969723122026**Category:** Axial & Centrifugal Fans**Price:** \$16.99**E-mail:** sales@equipspares.com**Web:** <https://www.equipspares.com>Product Page: <https://www.equipspares.com/product/bfb1012hd-hqf-delta-13-5vdc-97mm-blower>

Product Description

The Delta BFB1012HD-HQF is a precision-engineered DC centrifugal blower designed for demanding automotive and industrial cooling applications where static pressure is paramount. Utilizing advanced brushless DC motor technology, this unit optimizes aerodynamic efficiency through a turbine-style impeller, significantly reducing thermal impedance in restricted spaces. The robust construction ensures structural rigidity under high-vibration conditions, typical of automotive seat ventilation systems. Featuring a specialized 13.5VDC winding profile, it delivers high static pressure output while maintaining operational stability. The 3-wire interface supports tachometer signal monitoring, allowing for precise speed regulation and system feedback integration in complex thermal management circuits.

Model Number: BFB1012HD-HQF

Brand: Delta Electronics

Product Type: DC Centrifugal Blower

Rated Voltage: 13.5 VDC

Voltage Range: 8.0 - 15.0 VDC

Rated Current: 0.87 A

Power Consumption: 11.75 W

Rated Speed: 3600 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 25.43 CFM (43.2 m³/h / 0.72 m³/min)

Max. Static Pressure: 25.4 mmH₂O (249 Pa / 1.0 inH₂O)

Dimensions: 97 x 94 x 33 mm

Weight: 166 g

Life Expectancy: 50,000 Hours at 40°C

Noise Level: 55.0 dB(A)

Speed Control: Tachometer Output (Frequency Generator)

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Termination: 3-Wire Lead

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Ingress Protection: IP54 (Dust Protected)

Safety Certifications: UL, cUL, TUV, CE

The BFB1012HD-HQF is specifically calibrated for integration into automotive seating environments, providing critical airflow for climate-controlled passenger comfort systems. Its high-pressure output makes it ideal for pushing air through dense foam and fabric layers found in luxury vehicle upholstery. Beyond automotive uses, the BFB1012HD-HQF serves effectively in compact electronics cooling, server rack spot cooling, and industrial ventilation where directed airflow is required to mitigate localized hotspots.

Supplemental Images

