

BFB1012UHKB8 Delta 12VDC 97mm Centrifugal Blower Fan Datasheet



Brand: Delta

SKU: [998743056639](#)

Category: Axial & Centrifugal Fans

Price: **\$141.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/bfb1012uhkb8-delta-12vdc-97mm-centrifugal-blower-fan>

Product Description

The Delta BFB1012UHKB8 is a specialized centrifugal blower engineered for high-static pressure applications, including automotive seat ventilation and industrial cooling. Featuring a robust DC brushless motor and a precision dual ball bearing system, this unit offers superior structural rigidity and thermal resilience. The aerodynamic volute design maximizes air velocity while minimizing turbulence, ensuring efficient thermal impedance management in space-constrained environments.

Model Number: BFB1012UHKB8

OEM Part Number: 1T6.819.451.AA

Brand: Delta Electronics

Product Type: Centrifugal Blower

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 2.70 A

Power: 32.40 W

Rated Speed: 5300 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 46.61 CFM (79.19 m³/h / 1.32 m³/min)

Max. Static Pressure: 48.0 mmH₂O (470.7 Pa / 1.89 inH₂O)

Dimensions: 97 x 94 x 33 mm

Weight: 180 g

Life Expectancy: 50,000 Hours at 40°C

Noise Level: 64.0 dB-A

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Ingress Protection: IP54

Termination: Lead Wires with Connector

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Safety Approvals: UL, cUL, TUV, CE

Protection: Locked Rotor Protection, Polarity Protection

The BFB1012UHKB8 is primarily utilized in automotive climate control systems, specifically for seat ventilation and heating distribution, corresponding to VW part 1T6.819.451.AA. Additionally, the BFB1012UHKB8 is suitable for electronics cooling in server racks, 3D printers, and industrial automation equipment where directing airflow through ducts or heatsinks requires significant static pressure capabilities.

Supplemental Images

