

BFB1212EH-ADX1 Delta 12VDC 120x120x32mm 2.85A Blower Fan Datasheet



Brand: Delta

SKU: [984179283704](#)

Category: Axial & Centrifugal Fans

Price: **\$15.99**

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Product Page:

<https://www.equipspares.com/product/bfb1212eh-adx1-delta-12vdc-120x120x32mm-2-85a-blower-fan>

Product Description

The Delta BFB1212EH-ADX1 is a high-performance Centrifugal Blower engineered for applications requiring concentrated airflow and the ability to overcome significant system impedance. Utilizing an advanced DC brushless motor architecture paired with a precision dual ball bearing system, this unit ensures operational longevity and minimized thermal impedance under continuous heavy loads. The aerodynamic volute design optimizes air compression, delivering superior static pressure capabilities essential for forcing air through restricted channels. Constructed with reinforced thermoplastic UL94V-0 housing, the BFB1212EH-ADX1 maintains structural rigidity and dimensional stability in demanding industrial environments, making it a robust solution for critical thermal management tasks.

Model Number: BFB1212EH-ADX1

Brand: Delta Electronics

Product Type: Centrifugal Blower / DC Turbine Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 2.85 A

Power Consumption: 34.2 W

Rated Speed: 4600 RPM (Nominal)

Bearing Type: Dual Ball Bearing

Max. Air Flow: 53.0 CFM (90.0 m³/h)

Max. Static Pressure: 45.0 mmH₂O (441 Pa / 1.77 inH₂O)

Dimensions: 120 x 120 x 32 mm

Weight: 295 g

Noise Level: 65.0 dB-A

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Termination: 2-Wire (Lead Wires)

Wire Gauge: AWG24

Ingress Protection: IP Rating Dependent on Mounting

Insulation Class: Class A

Operating Temperature: -10°C to +60°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 70,000 Hours at 40°C

Motor Protection: Locked Rotor Protection, Polarity Protection

Direction of Rotation: Counter-clockwise facing rotor

The BFB1212EH-ADX1 is specifically designed for high-impedance systems where back pressure restricts airflow from standard axial fans, such as in dense server racks and telecommunications enclosures. Its high static pressure capability makes the BFB1212EH-ADX1 ideal for industrial automation equipment, CNC spindle cooling, and large-scale 3D printers requiring rapid part cooling. Furthermore, this blower is frequently utilized in projection systems and medical instrumentation where directed, high-velocity air streams are necessary to dissipate heat from concentrated sources.

Supplemental Images

