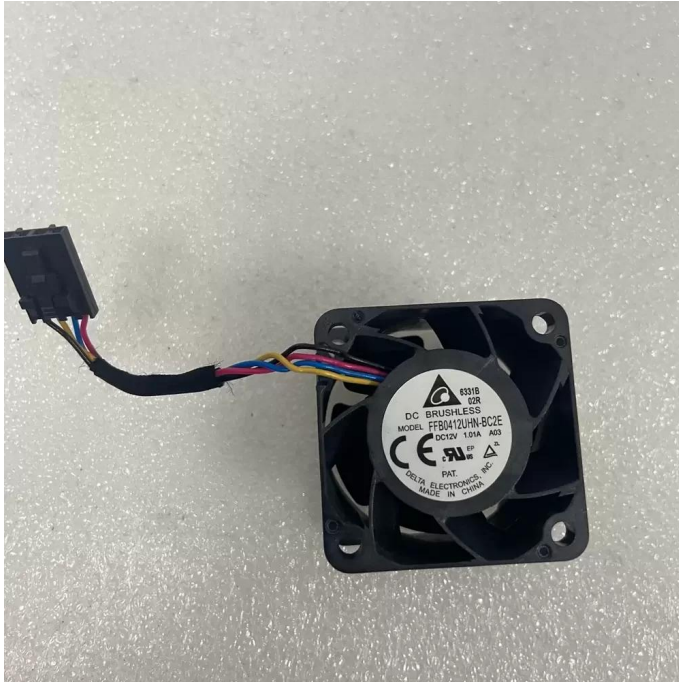


FFB412UHN-BC2EA03 Delta 12VDC 1.01A 40x40x28mm Axial Fan Datasheet



Brand: Delta

SKU: [970976773069](#)

Category: Axial & Centrifugal Fans

Price: **\$12.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/ffb412uhn-bc2ea03-delta-12vdc-1-01a-40x40x28mm-axial-fan>

Product Description

The Delta FFB412UHN-BC2EA03 is a high-performance DC axial fan engineered for applications requiring exceptional static pressure and airflow density. Built upon advanced brushless DC motor technology and a robust dual ball bearing architecture, this unit ensures superior longevity and structural rigidity under continuous high-speed operation. The aerodynamic impeller design is optimized to minimize turbulence while maximizing thermal impedance reduction in compact enclosures. Featuring a 4-wire configuration, it supports precise Pulse Width Modulation (PWM) speed control and tachometer signal output, allowing for dynamic thermal management and energy efficiency in critical industrial systems.

Model Number: FFB412UHN-BC2EA03

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 1.01 A

Power Input: 12.12 W

Rated Speed: 14000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 24.03 CFM (40.8 m³/h / 0.68 m³/min)

Max. Static Pressure: 2.01 inH₂O (500 Pa / 51.0 mmH₂O)

Dimensions: 40x40x28mm

Weight: 46 g

Life Expectancy: 70,000 Hours @ 40°C

Noise Level: 58.5 dB-A

Termination: 4-Wire (Red +, Black -, Blue PWM, Yellow Tach)

Housing Material: Plastic UL94V-0

Blade Material: Plastic UL94V-0

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Ingress Protection: IP55 (Optional)

Safety Certifications: UL, cUL, TUV, CE

The FFB412UHN-BC2EA03 is specifically designed for high-density electronic environments where space constraints and high heat loads are prevalent. Its compact form factor and extreme pressure capabilities make it ideal for 1U server racks, telecommunications switching gear, and precision medical instrumentation. The FFB412UHN-BC2EA03 excels in forcing air through restrictive pathways, such as dense heatsinks and tightly packed component arrays, ensuring optimal operating temperatures for mission-critical hardware.

Supplemental Images

