

AUB0412HH-VJS Delta 12VDC 40x40x25mm 3-Wire Axial Fan Datasheet



Brand: Delta

SKU: [936153016377](#)

Category: Axial & Centrifugal Fans

Price: **\$16.99**

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Product Page:

<https://www.equipspares.com/product/aub0412hh-vjs-delta-12vdc-40x40x25mm-3-wire-axial-fan>

Product Description

The Delta AUB0412HH-VJS is a precision-engineered Axial Fan designed for high-density thermal management applications requiring a compact footprint. Utilizing Delta's proprietary Superflo bearing technology, this unit optimizes the tribological interface to reduce friction and extend operational lifespan compared to standard sleeve bearings, ensuring reliable performance in critical electronics. The 12VDC brushless DC motor incorporates advanced commutation logic to maintain consistent torque and minimize electromagnetic interference. With a compact 40x40x25mm form factor, the AUB0412HH-VJS delivers a balanced airflow-to-pressure ratio, ensuring efficient heat dissipation in space-constrained enclosures while maintaining structural rigidity through its reinforced thermoplastic frame. The unit features a 3-wire configuration, allowing for tachometer signal output to monitor fan speed and system health.

Model Number: AUB0412HH-VJS

Brand: Delta Electronics

Product Type: Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.20 A

Power: 2.40 W

Rated Speed: 8200 RPM

Bearing Type: Superflo Bearing

Max. Air Flow: 12.71 CFM (21.59 m³/h / 0.36 m³/min)

Max. Static Pressure: 8.80 mmH₂O (86.29 Pa / 0.35 inH₂O)

Dimensions: 40 x 40 x 25 mm

Weight: 32 g

Life Expectancy: 50,000 Hours @ 40°C

Noise Level: 36.0 dB-A

Termination: 3-Wire (Lead Wire)

Wire Definition: Red (+), Black (-), Blue/Yellow (Sensor)

Housing Material: PBT Plastic (UL94V-0)

Blade Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP40 (Standard)

Safety Certifications: UL, cUL, TUV, CE

This cooling solution is specifically calibrated for compact electronic assemblies requiring reliable thermal regulation, such as high-lumen projectors and portable media devices. The AUB0412HH-VJS excels in environments where internal component density restricts airflow paths, providing the necessary static pressure to overcome impedance. Additionally, the AUB0412HH-VJS is frequently integrated into small-form-factor power supplies, network switches, and industrial instrumentation panels where continuous operation and minimal vibration are critical for system stability.

Supplemental Images

