

AFB0712HHB-8Y01 Delta 12VDC 70x70x15mm PWM Axial Fan Datasheet



Brand: Delta

SKU: [805630994851](#)

Category: Axial & Centrifugal Fans

Price: **\$13.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/afb0712hbb-8y01-delta-12vdc-70x70x15mm-pwm-axial-fan>

Product Description

The Delta AFB0712HHB-8Y01 is a precision-engineered DC Axial Fan designed for high-density thermal management applications requiring a compact footprint. Utilizing advanced dual ball bearing architecture, this unit ensures minimal frictional coefficient and extended operational longevity under continuous load conditions. The aerodynamic impeller design optimizes static pressure delivery while maintaining structural rigidity, effectively reducing thermal impedance in restricted enclosures. Engineered with a 4-wire PWM interface, it allows for dynamic speed modulation, balancing acoustic performance with active cooling requirements. The robust thermoplastic housing meets UL94V-0 flammability standards, making it suitable for critical industrial and IT infrastructure environments requiring reliable forced-air convection.

Model Number: AFB0712HHB-8Y01

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.45 A

Input Power: 5.40 W

Rated Speed: 4800 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 37.43 CFM (63.59 m³/h / 1.06 m³/min)

Max. Static Pressure: 5.62 mmH₂O (55.11 Pa / 0.22 inH₂O)

Dimensions: 70 x 70 x 15 mm

Weight: 47.0 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 41.5 dB-A

Speed Control: 4-Wire PWM / Tachometer Output

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Termination: 4-Wire Leads with Connector

Ingress Protection: IP5X (Dust Protected)

Insulation Class: Class A

Safety Certifications: UL, cUL, TUV, CE

Protection: Locked Rotor Protection, Polarity Protection

The AFB0712HHB-8Y01 is frequently integrated into compact server chassis and rack-mount equipment where vertical space is limited but high airflow is mandatory. Due to its slim 15mm profile, the AFB0712HHB-8Y01 serves as an ideal cooling solution for 1U and 2U power supply units, industrial automation controllers, and precision medical instrumentation. Its PWM capability makes it particularly effective in variable-load telecommunications systems and network switches, ensuring components remain within safe thermal operating limits during peak processing cycles.

Supplemental Images

