AFB0612HH Delta 12VDC 60x60x25mm Silent Axial Fan Datasheet

Brand: Delta

SKU: 780824361671

Category: Axial & Centrifugal Fans

Price: **$13.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page: https://www.equipspares.com/product/afb0612hh-delta-12vdc-60x60x25mm-silent-axial-fan

Product Description

The Delta AFB0612HH is a precision-engineered DC axial fan designed for thermal management in compact electronic enclosures. Utilizing a brushless DC motor architecture paired with a dual ball bearing system, this unit ensures reduced friction and extended operational longevity under continuous load. The aerodynamic impeller design optimizes airflow while maintaining a controlled noise profile, effectively lowering thermal impedance within high-density circuitry. Constructed with a UL94V-0 rated plastic housing, the fan offers structural rigidity and resistance to flammability, making it suitable for industrial environments requiring reliable forced convection cooling.

Model Number: AFB0612HH
Brand: Delta Electronics
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 7.0 - 13.8 VDC
Rated Current: 0.25 A
Input Power: 3.00 W
Rated Speed: 5000 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 27.55 CFM (46.8 m^3/h / 0.78 m^3/min)
Max. Static Pressure: 5.62 mmH_2O (55.1 Pa / 0.221 inH_2O)
Dimensions: 60 x 60 x 25.4 mm

Weight: 80 g
Noise Level: 40.0 dB-A
Life Expectancy: 70,000 Hours at 40°C
Housing Material: Plastic (UL94V-0)
Impeller Material: Plastic (UL94V-0)
Termination: 2-Wire (Red +, Black -)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +75°C
Ingress Protection: IP20
Safety Certifications: UL, cUL, TUV, CE

The AFB0612HH is engineered for critical cooling applications where space constraints and reliability are paramount. Common deployments include server rack cooling modules, network switches, and industrial power supply units requiring consistent airflow. The AFB0612HH is also frequently utilized in medical instrumentation and compact CNC control panels to dissipate heat from sensitive components, ensuring system stability during prolonged operation.

Supplemental Images


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DC BRUSHLESS
MODEL AFB0612HH
DC12V 0.25A
DELTA ELECTRONICS, INC.
MADE IN CHINA