



## AFB0712SH-AF00 Delta

Brand: Delta

SKU: AFB0712SH-AF00

Category: DC Axial Fans

URL: <https://www.fansco.com/item/afb0712sh-af00-delta/>

Contact: [sales@fansco.com](mailto:sales@fansco.com)

## Product Description

AFB0712SH-AF00 Delta 70x70x25.40mm Ball 12VDC 61.05CFM(1.729m<sup>3</sup>/min) 0.625inchH<sub>2</sub>O(15.90mmH<sub>2</sub>O) 50.5dB(A) 7.56W 6300RPM 3wireleads fan

This Delta AFB0712SH-AF00 DC brushless axial fan incorporates a two-phase four-pole motor with a 12 VDC rated voltage (5.0–13.8 VDC operational range) and a start voltage  $\leq 5.0$  VDC at 25°C. It draws 0.63 A (max. 0.76 A) with 7.56 W (max. 9.12 W) power consumption, rotating at 6300 rpm  $\pm 10\%$  to deliver 1.729 m<sup>3</sup>/min (min. 1.556 m<sup>3</sup>/min) free-air flow and 15.90 mmH<sub>2</sub>O (min. 12.88 mmH<sub>2</sub>O) maximum static pressure. Acoustic noise measures 50.5–54.5 dB(A) at 1 m from the intake in an anechoic chamber. Constructed with UL94V-0 plastic frame/impeller and dual ball bearings, it weighs 108 g, operating at 10–70°C (storage -40–75°C) and 5–90% RH, offering 70,000-hour L10 life at 40°C/15–65% RH. Electrical features include impedance-protected locked-rotor shutdown, reverse polarity tolerance, UL Class A insulation (10 M $\Omega$  min. at 500 VDC), 500 VAC/1 min dielectric strength, and clockwise rotation (nameplate view). Equipped with UL1007-F AWG24 leads (red+/black-/blue-FG), the FG signal features an open-collector output with  $V_{p9} \leq 15$  VDC,  $I_e \leq 5$  mA, and 4-pole frequency (2 pulses/rev). Meeting reliability tests (thermal cycling, humidity, vibration, shock), it contains no ozone-depleting substances, with production in China/Taiwan/Thailand. Dimensions: 70×70×25.4 mm ( $\pm 0.5$  mm), requiring proper polarity, mounting, and environmental protection per application notes.

## Technical Specifications

Attribute	Value
Part Number	AFB0712SH-AF00
Power Rating	7.56 W
Approval Agency	CE, CSA, UL, VDE
Operating Temperature	14 ~ 158°F (-10 ~ 70°C)
Features	Locked Rotor Protection, Speed Sensor (Tach)
Series	AFB
Air Flow (m <sup>3</sup> )	1.729 m <sup>3</sup> /min
Dimensions	70x70x25.40 mm
Termination	3 wire leads

Manufacturer	Delta Electronics
Fan Speed	6300 RPM
Fan Type	DC
Static Pressure	0.625 inchH2O (15.90 mmH2O)
Noise Level	50.5 dB(A)
Air Flow	61.05 CFM
Voltage Rating	12 VDC
Bearing Type	Ball Bearing
Weight	0.238 lb (107.95 g)
Category	Axial
Current Rating	0.63 A
Operating Voltage	5 ~ 13.8 VDC
Material Frame	Plastic
Material Blade	Plastic
Lifetime @ Temp	70000 Hrs @ 40°C





