



## AFB1224HHE Delta

Brand: Delta

SKU: AFB1224HHE

Category: DC Axial Fans

URL: <https://www.fansco.com/item/afb1224hhe-delta/>

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## Product Description

AFB1224HHE Delta 120x120x38mm Ball 24VDC 0.45A 120.07CFM

0.354inchH<sub>2</sub>O(9.00mmH<sub>2</sub>O) 44.0dB(A) 7.20W 2900RPM 2wireleads fan

AFB1224HHE is a high-reliability DC brushless axial flow fan designed for industrial and commercial applications. Operating at a rated voltage of 24 VDC with a wide input range of 7.0–27.6 VDC, it draws a nominal current of 0.30 A (max. 0.45 A) and consumes 7.20 W power (max. 10.80 W), delivering a reference speed of 2900 RPM. It features a maximum air flow of 3.400 m<sup>3</sup>/min (120.07 CFM) at zero static pressure and a peak air pressure of 9.00 mmH<sub>2</sub>O (0.354 inchH<sub>2</sub>O) at zero airflow, with an average acoustical noise of 44.0 dB-A (max. 47.0 dB-A). Constructed with a UL94V-0 plastic frame and impeller, the fan uses a sleeve bearing system, weighs 256 grams, and measures 120x120x38 mm (LxWxH) with a clockwise rotation when viewed from the nameplate side.

Engineered for robust performance, AFB1224HHE offers locked rotor protection (shutting down current during rotor lock) and polarity protection, with insulation meeting UL Class A standards (10 MΩ min. at 500 VDC and 500 VAC dielectric strength). AFB1224HHE fan operates reliably in temperatures from -10°C to +60°C (humidity 5–90% RH) and stores safely between -40°C and +75°C (5–95% RH), boasting a life expectancy of 70,000 hours under continuous operation at 40°C and 15–65% RH. Compliance with environmental standards is ensured by the absence of ozone-depleting substances like PBBs and CFCs.

Installation considerations include using UL 1007-F AWG #24 wires (red for +, black for -), verifying correct polarity to avoid damage, and adding a ≥4.7μF capacitor for parallel applications. Rigorously tested for thermal cycling, vibration, and mechanical shock, this open-type fan balances efficiency, durability, and safety, making it suitable for diverse cooling needs in harsh environments.

## Technical Specifications

Attribute	Value
Model	AFB1224HHE
Manufacturer	Delta Electronics
Dimensions	120x120x38 mm

Power Rating	7.20 W
Approval Agency	CE, CSA, UL, VDE
Operating Temperature	14 ~ 140°F (-10 ~ 60°C)
Features	Locked Rotor Protection
Series	AFB
Air Flow (m3)	3.400 m3/min
Termination	2 wire leads
Fan Speed	2900 RPM
Fan Type	DC
Static Pressure	0.354 inchH2O (9.00mmH2O)
Noise Level	44.0 dB(A)
Air Flow	120.07 CFM
Voltage Rating	24 VDC
Bearing Type	Ball Bearing
Weight	0.565 lb (256.28 g)
Category	Axial
Current Rating	0.45 A
Operating Voltage	7 ~ 27.6 VDC
Material Frame	Plastic
Material Blade	Plastic
Lifetime @ Temp	70000 Hrs @ 40°C
Number of blades	7
Subcategory	DC axial fan





