

FBA09A12H Panaflo 12VDC 90x90x25mm 3-Wire Axial Fan Datasheet



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Category: Axial & Centrifugal Fans

Price: \$13.99

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Product Description

The Panaflo FBA09A12H is a precision-engineered Axial Fan designed for critical thermal management applications requiring low acoustic signatures and high reliability. Utilizing Panasonic's proprietary Hydro Wave Bearing (HWB) technology, this unit minimizes friction-induced vibration, thereby optimizing thermal impedance across the system. The 12VDC brushless motor architecture ensures consistent torque delivery and enhanced structural rigidity within the 90mm thermoplastic frame. Engineered for continuous operation, the FBA09A12H balances airflow efficiency with static pressure capabilities, making it an ideal solution for sensitive electronic enclosures where component longevity is paramount.

Model Number: FBA09A12H

Brand: Panaflo (Panasonic)

Product Type: Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.29 A

Power Consumption: 3.48 W

Rated Speed: 2900 RPM

Bearing Type: Hydro Wave Bearing (HWB)

Max. Air Flow: 51.9 CFM (88.2 m³/h / 1.47 m³/min)

Max. Static Pressure: 3.40 mmH₂O (33.3 Pa / 0.13 inH₂O)

Dimensions: 90x90x25mm

Weight: 110 g

Life Expectancy: 50,000 Hours at 40°C

Noise Level: 34.0 dB-A

Termination: 3-Wire Lead

Wire Function: Red (+), Black (-), Yellow (Sensor/Tach)

Housing Material: Polybutylene Terephthalate (PBT) UL94V-0

Impeller Material: Polybutylene Terephthalate (PBT) UL94V-0

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Dielectric Strength: 500VAC for 1 min

Insulation Resistance: 10M Ohm at 500VDC

Motor Protection: Locked Rotor Protection, Polarity Protection

This cooling solution is specifically calibrated for deployment in high-density server racks, telecommunications switching gear, and precision medical instrumentation. The FBA09A12H excels in environments where consistent airflow is required to dissipate heat from power supplies and CPU heatsinks. Additionally, the low-noise profile of the FBA09A12H makes it suitable for office automation equipment and audio-visual amplifiers, ensuring reliable thermal regulation without introducing disruptive acoustic interference.

Supplemental Images

