

AB0912HB-Z0B ADDA 12VDC 97x97x33mm 4-Wire Blower Fan Datasheet



Brand: ADDA

SKU: 988033419250

Category: Axial & Centrifugal Fans

Price: \$14.99

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/ab0912hb-z0b-adda-12vdc-97x97x33mm-4-wire-blower-fan>

Product Description

The ADDA AB0912HB-Z0B is a high-performance Centrifugal Blower designed for applications requiring substantial static pressure to overcome high system impedance. Engineered with a precision DC motor and a robust Double Ball Bearing architecture, this unit ensures exceptional operational stability and minimizes thermal impedance during continuous duty cycles. The aerodynamic scroll housing is constructed to maintain structural rigidity under high-speed rotation, optimizing air velocity and exhaust focus. This blower is specifically calibrated for environments demanding concentrated airflow, ensuring reliable heat dissipation for critical electronic and industrial components.

Model Number: AB0912HB-Z0B

Brand: ADDA

Product Type: Centrifugal Blower

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 1.10 A

Power Consumption: 13.20 W

Rated Speed: 4500 RPM

Bearing Type: Double Ball Bearing

Max. Air Flow: 35.4 CFM (60.1 m³/h / 1.00 m³/min)

Max. Static Pressure: 1.95 inH₂O (485 Pa / 49.5 mmH₂O)

Dimensions: 97 x 94 x 33 mm

Weight: 185 g

Life Expectancy: 70,000 Hours at 40°C

Termination: 4-Wire (PWM Speed Control/Tachometer)

Noise Level: 56.0 dB(A)

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP44 (Standard)

Safety Certifications: UL, CUL, TUV, CE

Protection: Locked Rotor Protection, Reverse Polarity Protection

The AB0912HB-Z0B is widely utilized in industrial and computing environments where space is constrained and back-pressure is high. Primary applications include rack-mount server cooling modules, telecommunications base stations, and forced-air cooling for 3D printer extruders. The AB0912HB-Z0B is also frequently integrated into medical instrumentation and CNC machinery, where its ability to deliver a directed, high-velocity air stream ensures sensitive components remain within safe thermal operating limits.

Supplemental Images

