

AB04012DX100300 ADDA 12VDC 40mm Hypro Bearing Blower Datasheet



Brand: ADDA

SKU: [903714190636](#)

Category: Axial & Centrifugal Fans

Price: **\$9.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/ab04012dx100300-adda-12vdc-40mm-hypro-bearing-blower>

Product Description

The ADDA AB04012DX100300 is a precision-engineered DC blower designed for compact thermal management applications requiring directed airflow and high static pressure. Utilizing ADDA's proprietary Hypro bearing technology, this unit offers a superior balance between operational longevity and acoustic performance compared to traditional sleeve bearings, effectively bridging the gap to ball bearing reliability. The aerodynamic impeller design optimizes static pressure delivery, making it ideal for overcoming high system impedance in restricted enclosures. Constructed with robust thermoplastic materials, the blower ensures structural rigidity and thermal stability under continuous operation. Its efficient motor driver minimizes power consumption while maintaining consistent rotational speeds, ensuring reliable heat dissipation for sensitive electronic components.

Model Number: AB04012DX100300

Brand: ADDA

Product Type: DC Blower / Centrifugal Fan

Rated Voltage: 12VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 0.15 A

Power Input: 1.80 W

Rated Speed: 5500 RPM

Bearing Type: Hypro Bearing (Oil-less)

Max. Air Flow: 2.60 CFM (4.42 m³/h / 0.07 m³/min)
Max. Static Pressure: 0.28 inH₂O (69.7 Pa / 7.11 mmH₂O)
Dimensions: 40 x 40 x 10 mm
Noise Level: 32.0 dB(A)
Frame Material: PBT Thermoplastic UL94V-0
Impeller Material: PBT Thermoplastic UL94V-0
Termination: 2-Wire Leads (Red +, Black -)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Life Expectancy: 40,000 Hours at 40°C
Safety Approvals: UL, CUL, TUV, CE
Weight: 22 g

The AB04012DX100300 is specifically engineered for applications demanding high static pressure in confined spaces, such as 1U server racks, compact projectors, and portable medical instrumentation. Its directed airflow capability makes the AB04012DX100300 an excellent choice for spot cooling heatsinks in embedded systems and cooling VRM components on industrial motherboards where traditional axial fans cannot overcome the backpressure.

Supplemental Images

