# AB04012DX100300 ADDA 12VDC 40x40x10mm 0.15A Blower Fan Datasheet


**Brand:** ADDA

**SKU:** 949714837827

**Category:** Axial & Centrifugal Fans

**Price:** **$14.99**

**E-mail:** sales@equipspares.com

**Web:** https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/ab04012dx100300-adda-12vdc-40x40x10mm-0-15a-blower-fan

## Product Description

The ADDA AB04012DX100300 is a compact DC centrifugal blower designed for precision cooling applications requiring concentrated airflow and high static pressure. Engineered with ADDA's proprietary Hypro bearing technology, this unit offers an optimal balance between structural rigidity and acoustic performance, ensuring extended operational longevity compared to standard sleeve bearing alternatives. The 40mm frame houses a highly efficient DC brushless motor that drives the impeller to generate significant static pressure, making it ideal for overcoming high thermal impedance in restricted spaces. Its aerodynamic volute design maximizes air throughput while minimizing turbulence, providing reliable thermal management for sensitive electronic components and extrusion systems.

Model Number: AB04012DX100300
Brand: ADDA
Product Type: DC Centrifugal Blower
Rated Voltage: 12VDC
Voltage Range: 10.8 - 13.2 VDC
Rated Current: 0.15 A
Power Consumption: 1.80 W
Rated Speed: 6500 RPM (±10%)
Bearing Type: Hypro (Hydraulic) Bearing

Max. Air Flow: 2.8 CFM (4.76 $m^3/h$)
Max. Static Pressure: 0.35 in$H_2O$ (8.9 mm$H_2O$)
Dimensions: 40 x 40 x 10 mm
Weight: 18 g
Noise Level: 32.0 dB(A)
Termination: 3-Wire (Lead Wires)
Speed Control: Tachometer Output (FG Signal)
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
Life Expectancy: 40,000 Hours at 40°C
Motor Protection: Impedance Protected, Reverse Polarity
Mounting Holes: 2 x 3.5mm

The AB04012DX100300 is frequently integrated into precision equipment such as 3D printers for part cooling and hotend thermal regulation. Its compact form factor allows for installation in tight enclosures found in portable medical devices, small-scale telecommunications gear, and embedded computing systems. Additionally, the AB04012DX100300 serves as an effective cooling solution for VRM heatsinks and specialized CNC control modules where directed airflow is critical for system stability.

## Supplemental Images


ADDA
AB04012DX100300
0.15A (V39TBU)
DC12V
HYPRO BEARING
31KA
YS
K
EP
MADE IN CHINA