

AB03005HX040900 ADDA 5VDC 30x30x5mm Micro DC Blower Datasheet



Brand: ADDA

SKU: [998318418666](#)

Category: Axial & Centrifugal Fans

Price: **\$12.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/ab03005hx040900-adda-5vdc-30x30x5mm-micro-dc-blower>

Product Description

The ADDA AB03005HX040900 is a precision-engineered Micro DC Blower designed for ultra-compact thermal management applications where vertical clearance is strictly limited. Utilizing ADDA's proprietary Hypro bearing architecture, this unit delivers exceptional rotational stability and reduced friction coefficients, ensuring operational longevity despite its diminutive form factor. The aerodynamic impeller design optimizes static pressure generation within the 30mm frame, making it ideal for high-impedance environments such as ultrabooks and miniature drone avionics. With a rated speed of 11000 RPM, it balances airflow efficiency with structural rigidity, providing reliable heat dissipation for sensitive electronic components while maintaining a low thermal impedance profile.

Model Number: AB03005HX040900

Brand: ADDA

Product Type: Micro DC Blower

Rated Voltage: 5VDC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.15 A

Power: 0.75 W

Rated Speed: 11000 RPM

Bearing Type: Hypro Bearing

Max. Air Flow: 1.2 CFM (2.03 m³/h)
Max. Static Pressure: 5.5 mmH₂O (54 Pa)
Dimensions: 30 x 30 x 5 mm
Weight: 8.0 g
Life Expectancy: 30,000 Hours @ 40°C
Noise Level: 29.0 dBA
Housing Material: PBT (UL94V-0)
Impeller Material: PBT (UL94V-0)
Termination: 2 Lead Wires
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Speed Control: Constant Speed
Mounting Orientation: Any

This miniature blower is specifically engineered for space-constrained electronics requiring active cooling solutions. The AB03005HX040900 is frequently integrated into ultra-thin laptop chassis and notebook cooling modules where standard axial fans cannot generate sufficient pressure. Additionally, the AB03005HX040900 serves as a critical component in avionics cooling for unmanned aerial vehicles (drones) and micro-projectors, effectively managing thermal loads in high-density portable devices.

Supplemental Images

