

# AD04012EB205B02 ADDA 12VDC 40mm Axial Fan Datasheet



**Brand:** ADDA

**SKU:** [807743895336](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$9.99**

**E-mail:** [sales@equipspares.com](mailto:sales@equipspares.com)

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

Product Page: <https://www.equipspares.com/product/ad04012eb205b02-adda-12vdc-40mm-axial-fan>

## Product Description

The ADDA AD04012EB205B02 is a high-performance DC Axial Fan engineered for critical thermal management in compact, high-density electronic environments. Utilizing a robust Double Ball Bearing architecture, this unit is designed to sustain high rotational speeds while minimizing frictional wear, ensuring exceptional operational longevity and reliability. The aerodynamic impeller geometry is optimized to deliver substantial airflow against high system impedance, characterized by a significant static pressure rating. Constructed with industrial-grade PBT materials for structural rigidity and thermal stability, the AD04012EB205B02 operates at a rated current of 0.60A, making it a precision solution for dissipating heat in demanding inverter and server applications.

Model Number: AD04012EB205B02

Brand: ADDA Corporation

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.60 A

Input Power: 7.20 W

Rated Speed: 13500 RPM

Bearing Type: Double Ball Bearing

Max. Air Flow: 24.50 CFM (41.62 m<sup>3</sup>/h / 0.69 m<sup>3</sup>/min)

Max. Static Pressure: 28.50 mmH<sub>2</sub>O (279.49 Pa / 1.12 inH<sub>2</sub>O)

Dimensions: 40 x 40 x 28 mm

Weight: 48.0 g

Life Expectancy: 70000 Hours at 40°C

Noise Level: 54.0 dB(A)

Speed Control: PWM (Pulse Width Modulation)

Signal Output: Tachometer (Frequency Generator)

Frame Material: PBT Thermoplastic (UL94V-0)

Impeller Material: PBT Thermoplastic (UL94V-0)

Ingress Protection: IP55

Insulation Class: Class A

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Termination: 4-Wire Lead with Connector

Safety Certifications: UL, cUL, TUV, CE

The AD04012EB205B02 is specifically engineered for applications requiring aggressive heat dissipation within confined spaces. It is widely utilized in variable frequency drive (VFD) inverters, 1U server rack cooling modules, and high-performance industrial power supplies. The compact 40mm form factor combined with high static pressure capabilities allows the AD04012EB205B02 to effectively force air through dense heatsink fins and restricted airflow channels found in CNC machinery controllers and precision telecommunications equipment.

## Supplemental Images

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