

# AG06024MB257103 ADDA 24V 0.06A DC Axial Fan 60x60x25mm

**SKU:** AG06024MB257103

**Price:** \$12.00

**Categories:** Fans

**Tags:** ADDA

**Product Link:**

<https://www.electspares.com/product/ag06024mb257103-adda-24v-0-06a-dc-axial-fan-60x60x25mm/>

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## Product Description

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The ADDA AG06024MB257103 is a high-performance industrial DC Axial Fan with dimensions of 60 x 60 x 25 mm. Driven by a high-efficiency 4-pole Brushless DC Motor, this AG060 series model is engineered as a robust cooling solution operating on a nominal 24 VDC. It delivers a steady maximum airflow of 21 CFM (35.7 m<sup>3</sup>/h) at a rated speed of 4000 RPM. With a low rated current of 0.06 A and a power input of 1.44 W, it is specifically designed for continuous thermal regulation where energy efficiency and low acoustic noise (29 dB(A)) are prioritized. This 2-wire version features a premium dual-ball bearing system and a 7-blade aerodynamic impeller optimized to maintain a static pressure of 0.2 inAq. The AG06024MB257103 provides mission-critical reliability with a life expectancy of 70,000 hours, making it an ideal choice for industrial inverters, localized cooling in automation cabinets, and high-density power supply units.

AG06024MB257103 Fan Parameters

Manufacturer: ADDA

Model Number: AG06024MB257103

Motor Design: Brushless DC Motor (4-Pole)

Type: DC Axial Fan (Low Power / Silent Series)

Dimensions: 60 x 60 x 25 mm

Impeller Size: 56 mm

Nominal Voltage: 24 VDC

Operating Voltage Range: 20.4 to 27.6 VDC

Starting Voltage: 14.0 VDC

Speed: 4000 RPM

Power Input: 1.44 W

Rated Current: 0.06 A

Max. Airflow: 21 CFM (35.7 m<sup>3</sup>/h)  
Max. Static Pressure: 49.8 Pa (0.2 inAq)  
Noise Level: 29 dB(A)  
Weight: 65 g  
Termination: 2 Wire Leads (Red: +, Black: -)  
Lead Wire Length: 300 mm (26 AWG)  
Bearing Type: Dual Ball Bearing  
Housing Material: Plastic (UL 94V-0 PBT)  
Impeller Material: Plastic (UL 94V-0 PBT)  
Number of Blades: 7  
Direction of Rotation: Clockwise (viewed toward rotor)  
Direction of Airflow: Struts Side Out (Exhaust)  
Degree of Protection: IP20  
Insulation Class: A  
Dielectric Strength: 500 VAC / 1 min / 5mA  
Insulation Resistance: 10M  $\Omega$  or over with a DC500V Megger  
Operating Temp. Range: -10 °C to +70 °C  
Storage Temp. Range: -40 °C to +70 °C  
Life Expectancy (L10) at 40 °C: 70,000 h  
Safety Protections: Auto-restart, Polarity protection, Locked-rotor protection  
Approvals: CE, UL, TUV, CSA

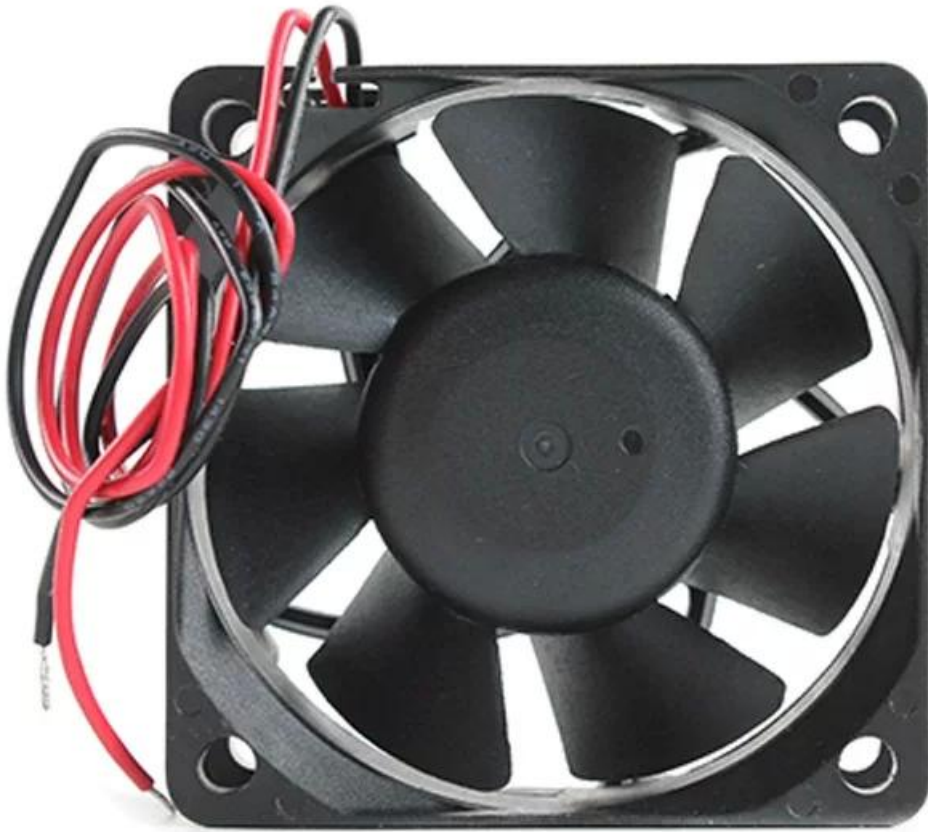
#### Application

The AG06024MB257103 is primarily utilized as a specialized inverter cooling fan for localized heat dissipation in frequency drives and small-scale power modules. Its 25 mm depth and 7-blade high-efficiency design allow it to generate a static pressure of 0.2 inAq, which is necessary for forcing air through compact heat sinks while maintaining an ultra-quiet 29 dB(A) acoustic profile. The 2-wire configuration simplifies integration into traditional 24V control circuits where constant cooling is required. This model is exceptionally well-suited for industrial automation cabinets, medical instruments, and communication devices that operate in environments where long-term maintenance-free operation (70,000 hours) and low power consumption (1.44 W) are critical for overall system longevity.

## Product Images

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