AG06024XB257B03 ADDA 24V 0.23A DC Axial Fan 60x60x25mm

SKU: AG06024XB257B03

Price: $12.50

Categories: Fans

Tags: ADDA

Product Link:
https://www.elecspares.com/product/ag06024xb257b03-adda-24v-0-23a-dc-axial-fan-60x60x25mm/

Product Description

The ADDA AG06024XB257B03 is an ultra-high-performance industrial DC Axial Fan with dimensions of 60 x 60 x 25 mm. Driven by a high-torque 4-pole Brushless DC Motor, this AG060 series model is engineered as a heavy-duty cooling solution operating on a nominal 24 VDC. It delivers a powerful maximum airflow of 39 CFM (66.3 m^3/h) at a high rated speed of 7500 RPM. With a rated current of 0.23 A and a power input of 5.52 W, it is specifically designed to generate the intense static pressure (0.70 inAq) required to overcome extreme resistance in densely packed industrial inverters and high-performance server modules. This specialized 4-wire version features a premium dual-ball bearing system and a 7-blade aerodynamic impeller optimized for high-velocity air displacement. Equipped with both PWM speed control and tacho signal output, the AG06024XB257B03 provides intelligent, high-intensity thermal management for mission-critical industrial power electronics and automation systems.

AG06024XB257B03 Fan Parameters
Manufacturer: ADDA
Model Number: AG06024XB257B03
Motor Design: Brushless DC Motor (4-Pole)
Type: DC Axial Fan (Extreme Performance PWM 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: 7500 RPM
Power Input: 5.52 W

Rated Current: 0.23 A
Max. Airflow: 39 CFM (66.3 m^3/h)
Max. Static Pressure: 174 Pa (0.70 inAq)
Noise Level: 49 dB(A)
Weight: 65 g
Termination: 4 Wire Leads (Red: +, Black: -, Yellow: Tacho, Blue: PWM)
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 Ω 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
Control Signal: PWM Speed Control
Signal Output: Tacho signal (FG)
Safety Protections: Auto-restart, Polarity protection, Locked-rotor protection
Approvals: CE, UL, TUV, CSA

Application
The AG06024XB257B03 is primarily utilized as a high-intensity inverter cooling fan for high-power frequency drives and compact telecommunications modules. Its 7500 RPM ultra-high speed is a critical design feature, enabling it to generate an exceptional 0.70 inAq of static pressure, which is necessary to force air through the high-impedance heat sinks and dense internal components of high-power inverter cabinets. The 4-wire configuration allows for precise PWM control, enabling the system to scale cooling performance dynamically based on real-time thermal loads, which is vital for balancing high-intensity cooling (39 CFM) with energy efficiency. This fan is essential for maintaining the operational stability of IGBT power stacks and high-speed networking equipment, where the dual-ball bearing system ensures 70,000 hours of reliable 24/7 operation in industrial environments.

Product Images


ADDA
DC BRUSHLESS
MODEL AG06024XB257B03
DC 24V
0.23A
ADDA CORP.
(0SPH5)
ZD
XQ
EP
24P3

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