

AA1282MB-AT ADDA 230V AC Axial Fan 120x120x38mm

SKU: AA1282MB-AT

Price: \$13.25

Categories: Fans

Tags: ADDA

Product Link:

<https://www.electspares.com/product/aa1282mb-at-adda-230v-ac-axial-fan-120x120x38mm/>

Product Description

The ADDA AA1282MB-AT is a high-reliability industrial AC Axial Fan with dimensions of 120 x 120 x 38 mm. Driven by a specialized Shaded Pole Induction Motor, this model is engineered to operate directly on a nominal 230 VAC supply. It delivers a steady maximum airflow of 77.0 CFM (130.8 m³/h) at 50 Hz and up to 90.0 CFM (152.9 m³/h) at 60 Hz. With a power input of 20.0 W, it is specifically designed as a primary thermal management solution for industrial enclosures where DC power is unavailable. This model features a premium dual-ball bearing system and a 5-blade high-torque impeller housed in a robust die-cast aluminum frame, which facilitates superior motor heat dissipation. Equipped with two-terminal termination (AT), the AA1282MB-AT provides mission-critical durability for industrial inverters, power distribution cabinets, and heavy-duty machinery requiring constant 24/7 cooling.

AA1282MB-AT Fan Parameters

Manufacturer: ADDA

Model Number: AA1282MB-AT

Motor Design: Shaded Pole Induction Motor

Type: AC Axial Fan (Industrial Cabinet Series)

Dimensions: 120 x 120 x 38 mm

Impeller Size: 112 mm

Nominal Voltage: 230 VAC (220V-240V Range)

Frequency: 50 / 60 Hz

Speed (50/60 Hz): 2400 / 2800 RPM

Power Input (50/60 Hz): 20.0 / 18.0 W

Rated Current (50/60 Hz): 0.10 / 0.09 A

Max. Airflow (50/60 Hz): 77.0 / 90.0 CFM (130.8 / 152.9 m³/h)

Max. Static Pressure (50/60 Hz): 42.3 / 57.2 Pa (0.17 / 0.23 inAq)

Noise Level (50/60 Hz): 41.0 / 46.0 dB(A)

Weight: 550 g

Termination: 2 Terminals (AT - 2.8 x 0.5 mm Faston Tabs)

Bearing Type: Dual Ball Bearing

Housing Material: Die-cast Aluminum (Black Anticorrosive Coating)

Impeller Material: Plastic (UL 94V-0 PBT)

Number of Blades: 5

Direction of Rotation: Counter-Clockwise (viewed toward rotor)

Direction of Airflow: Struts Side Out (Exhaust)

Degree of Protection: IP20

Insulation Class: B (130 °C)

Dielectric Strength: 1500 VAC / 1 min / 5mA

Insulation Resistance: 100M 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: 50,000 h

Safety Protections: Impedance Protected (prevents burnout during locked rotor)

Approvals: CE, UL, TUV, CSA, VDE

Application

The AA1282MB-AT is primarily utilized as a robust cabinet cooling fan for industrial frequency drives, CNC controllers, and high-voltage power distribution systems. Its die-cast aluminum housing provides exceptional structural integrity and acts as an auxiliary heat sink for the induction motor, which is crucial in high-ambient-temperature industrial environments. The "AT" terminal design allows for rapid and secure electrical integration using standard spade connectors, streamlining the assembly of large-scale electrical panels. This 230V fan is essential for maintaining consistent air circulation in elevator control systems, industrial welding machines, and telecommunications racks, where the dual-ball bearing system ensures long-term maintenance-free operation under 24/7 mission-critical conditions.

Product Images







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