

A2D250-AA02-01 ebmpapst 400VAC 250mm 110W Axial Fan Datasheet



Brand: ebmpapst

SKU: [898230005883](#)

Category: Axial & Centrifugal Fans

Price: **\$621.99**

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Product Page:

<https://www.equipspares.com/product/a2d250-aa02-01-ebmpapst-400vac-250mm-110w-axial-fan>

Product Description

The ebmpapst A2D250-AA02-01 is a robust AC axial fan engineered for high-demand industrial thermal management. Featuring an advanced external rotor motor design, this unit delivers exceptional aerodynamic efficiency through its precision-balanced sheet steel impeller. The 3-phase motor architecture ensures consistent torque and reduced vibration, contributing to superior structural rigidity and operational longevity. Designed with a high-grade ball bearing system, it minimizes thermal impedance while maintaining stability under continuous load. This fan is specifically optimized for spindle motor cooling, offering reliable ingress protection and sustained performance in harsh environments.

Model Number: A2D250-AA02-01

Brand: ebmpapst

Product Type: AC Axial Fan

Motor Type: M2D068-DF External Rotor

Rated Voltage: 400 VAC (3-Phase)

Frequency: 50 / 60 Hz

Power Input: 110 W

Rated Current: 0.22 A

Rated Speed: 2650 RPM

Max. Air Flow: 1024 CFM (1740 m³/h)

Max. Static Pressure: 0.60 inH₂O (150 Pa)
Blade Diameter: 250 mm
Bearing Type: Ball Bearing
Impeller Material: Sheet Steel (Coated Black)
Number of Blades: 5
Noise Level: 70 dB(A)
Ingress Protection: IP44
Insulation Class: B
Operating Temperature: -25°C to +80°C
Weight: 2.5 kg
Direction of Rotation: Counter-clockwise (seen on rotor)
Airflow Direction: V (Over struts)
Motor Protection: Thermal Overload Protector (TOP)
Compliance: CE, CCC

This cooling unit is extensively utilized in industrial automation sectors, specifically for regulating temperatures in high-speed spindle motors and CNC machining centers. The A2D250-AA02-01 provides critical airflow to prevent thermal throttling in heavy-duty drive systems and frequency converters. Additionally, the A2D250-AA02-01 is suitable for ventilation in control cabinets, welding machines, and transformer cooling applications where reliable 3-phase air movement is required to maintain equipment integrity and operational efficiency.

Supplemental Images

