

A2D250-AA02-01 ebmpapst 400V 250mm AC Axial Fan

SKU: A2D250-AA02-01

Price: \$399.98

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/a2d250-aa02-01-ebmpapst-400v-250mm-ac-axial-fan/>

Product Description

The ebmpapst A2D250-AA02-01 is a high-performance 400 VAC AC Axial Fan with an impeller size of 250 mm, specifically engineered for demanding thermal management in industrial frequency converters and electrical control cabinets. Driven by a robust three-phase M2D068-DF external rotor motor with a power input of 110.0 W at 50 Hz and 160.0 W at 60 Hz, this precision unit operates at a rated speed of up to 2950 RPM, delivering a powerful airflow for efficient heat extraction. Constructed with a 5-blade sheet steel impeller system coated in black featuring high-precision ball bearings and a lateral cable exit, this 2.2 kg unit provides a dependable and energy-efficient air-moving solution with a maximum back pressure of 300 Pa and IP44 protection, ensuring maximum cooling performance and long-term mechanical stability for high-power inverters, variable frequency drives (VFD), and integrated electrical switchgear systems at the end.

A2D250-AA02-01 Fan Parameters

Model Number: A2D250-AA02-01

Manufacturer: ebmpapst

Motor Model: M2D068-DF

Series: S Series

Type: AC Axial Fan

Impeller Size: 250 mm

Weight: 2.2 kg

Bearing Type: Ball bearing

Nominal Voltage: 400 VAC (3-phase)

Wiring: Y (Star) connection

Frequency: 50 / 60 Hz

Power Input (rfa): 110 W (50 Hz) / 160 W (60 Hz)
Nominal Current (rfa): 0.22 A (50 Hz) / 0.26 A (60 Hz)
Speed (rfa): 2650 RPM (50 Hz) / 2950 RPM (60 Hz)
Max. Back Pressure: 205 Pa (50 Hz) / 300 Pa (60 Hz)
Max. Air Flow: 62.23 CFM (105.7 m³/h / 1.76 m³/min)
Actual Air Flow: 1685.0 m³/h (50 Hz) / 1845.0 m³/h (60 Hz)
Sound Pressure Level: 72 dB(A) (50 Hz) / 75 dB(A) (60 Hz)
Leakage Current: < 0.75 mA
Insulation Class: Class B
Protection Class: Class I
Electrical Hookup: Cable exit (Lateral)
Number of Blades: 5
Direction of Rotation: Counter-clockwise, viewed toward rotor
Airflow Direction: "V" (Exhaust over struts)
Impeller Material: Sheet steel, coated in black
Operation Mode: S1 (Continuous operation)
Installation Position: Any
Operating Temperature: -25 - +70 °C (50 Hz) / -25 - +40 °C (60 Hz)
Storage Temperature: -40 - +80 °C
Degree of Protection: IP44
Standard Compliance: CE; EN 60335-1
Approval Agency: CCC

Application

The ebmpapst A2D250-AA02-01 AC fan is primarily utilized in industrial frequency converters, power inverters, and electrical control cabinet heat dissipation systems.

Product Images







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