K2E250-AA01-09 ebm-papst 230VAC 250mm Centrifugal Fan Datasheet

Brand: ebmpapst

SKU: 920778644641

Category: Axial & Centrifugal Fans

Price: **$1,514.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/k2e250-aa01-09-ebm-papst-230vac-250mm-centrifugal-fan

Product Description

The ebm-papst K2E250-AA01-09 is a Centrifugal Fan module engineered for high-efficiency thermal management in industrial inverter systems. Utilizing the robust M2E068-DF AC external rotor motor technology, this unit features a backward-curved impeller design optimized for high static pressure generation and reduced turbulence. The assembly is constructed with glass-fiber reinforced polyamide (PA) plastic, ensuring structural rigidity while minimizing rotational mass for improved dynamic response. Designed with a precision ball bearing architecture, the fan maintains operational stability under continuous load, offering superior thermal impedance characteristics suitable for demanding electronic cooling environments.

Model Number: K2E250-AA01-09
Brand: ebm-papst
OEM Part Number: 6SY7000-0AB67 (Siemens)
Product Type: Motorized Impeller (Centrifugal)
Motor Technology: AC External Rotor (M2E068-DF)
Rated Voltage: 230 VAC
Frequency: 50 / 60 Hz
Rated Current: 0.55 / 0.70 A
Power Consumption: 120 / 155 W
Rated Speed: 2550 / 2750 RPM

Capacitor: 4 µF / 400 VDB
Max. Air Flow: 635.6 CFM (1080 m^3/h)
Max. Static Pressure: 2.61 inH_2O (650 Pa)
Impeller Diameter: 250 mm
Bearing Type: Ball Bearing
Impeller Material: PA Plastic (Glass-fiber reinforced)
Ingress Protection: IP44
Insulation Class: F
Motor Protection: Thermal Overload Protector (TOP)
Operating Temperature: -25°C to +60°C
Mounting Orientation: Any
Weight: 2.4 kg
Compliance: CE, CCC, UL

The K2E250-AA01-09 is specifically calibrated for use in Siemens Simovert Masterdrives and the Siemens 70 Series frequency inverters, serving as a critical cooling component to prevent thermal throttling in power electronics. Beyond its primary role in variable frequency drives (VFDs), the K2E250-AA01-09 is widely utilized in industrial control cabinets, server rack ventilation systems, and high-density telecommunications equipment where reliable, high-pressure airflow is required to dissipate heat from sensitive semiconductor components.

Supplemental Images


ebmpapst
SIEMENS Lüfterbaugruppe 250 B7 6SY7000-1AB67 476 511 5035 00
K2E250-AA01-09
230V~ 60Hz 0,86A 196W 2500min⁻¹ 60Hz 285W 2750min⁻¹
5µF 400VDBIns.Cl.B TOP
Made in Germany
S 250-01132-19/07
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