

# K2E250-AA01-09 ebmpapst 230V 250mm AC Centrifugal Fan

**SKU:** K2E250-AA01-09

**Price:** \$957.94

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/k2e250-aa01-09-ebmpapst-230v-250mm-ac-centrifugal-fan/>

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## Product Description

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The ebmpapst K2E250-AA01-09 is a high-performance 230VAC AC Centrifugal 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 single-phase M2E068-EC external rotor motor with a power input of 195.0 W at 50 Hz and 265.0 W at 60 Hz, this precision unit operates at a rated speed of up to 2500 RPM, delivering a powerful airflow for efficient heat extraction. Constructed with an 11-blade galvanized sheet steel impeller and a PA plastic housing featuring high-precision ball bearings and a black coated rotor surface, this 5.4 kg unit provides a dependable and energy-efficient air-moving solution with an integrated thermal overload protector and Class B insulation, 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.

K2E250-AA01-09 Fan Parameters

Model Number: K2E250-AA01-09

Manufacturer: ebmpapst

Motor Model: M2E068-EC

Type: AC Centrifugal Fan

Impeller Size: 250 mm

Weight: 5.4 kg

Bearing Type: Ball bearing

Nominal Voltage: 230 VAC

Frequency: 50 / 60 Hz

Max. Power Consumption: 195 W (50 Hz) / 265 W (60 Hz)

Max. Current Draw: 0.86 A (50 Hz) / 1.16 A (60 Hz)

Motor Capacitor: 5  $\mu$ F  
Capacitor Voltage: 400 VDB (P2 CE)  
Rated Speed: 2450 RPM (50 Hz) / 2500 RPM (60 Hz)  
Max. Air Flow: 62.23 CFM (105.7 m<sup>3</sup>/h / 1.76 m<sup>3</sup>/min)  
Max. Static Pressure: 9.81 mmH<sub>2</sub>O (96.24 Pa / 0.39 inH<sub>2</sub>O)  
Working Air Flow: 1450.0 m<sup>3</sup>/h (50 Hz) / 1610.0 m<sup>3</sup>/h (60 Hz)  
Static Pressure Increase: 440 Pa  
Motor Protection: Thermal overload protector (TOP) wired internally  
Insulation Class: Class B  
Humidity Class: F1-2  
Electrical Hookup: Cable exit (Variable)  
Number of Blades: 11  
Direction of Rotation: Clockwise, viewed toward rotor  
Impeller Material: Sheet steel, galvanized  
Rotor Surface: Coated in black  
Housing Material: PA plastic  
Operation Mode: S1 (Continuous operation)  
Touch Current (IEC 60990): < 0.75 mA  
Operating Temperature: -25 - +55 °C  
Storage Temperature: -40 - +80 °C  
Degree of Protection: IP00  
Protection Class: I  
Standard Compliance: EN 60335-1  
Approval Agency: CSA C22.2 No.77; UL 2111; CCC

#### Application

The ebmpapst K2E250-AA01-09 AC fan is primarily utilized in industrial frequency converters, power inverters, and electrical control cabinet heat dissipation systems.

## **Product Images**

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Scan for product details:

