

# K2E225-RB92-09 ebmpapst 230V 225mm AC Centrifugal Fan

**SKU:** K2E225-RB92-09

**Price:** \$1,319.06

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/k2e225-rb92-09-ebmpapst-230v-225mm-ac-centrifugal-fan/>

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## Product Description

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The ebmpapst K2E225-RB92-09 is a high-performance 230 VAC AC Centrifugal Fan with an impeller size of 225 mm, specifically engineered for demanding thermal management in industrial frequency converters and electrical control cabinets. Driven by a robust single-phase M2E068-DF external rotor motor with a max. power consumption of 145 W at 50 Hz and up to 215 W at 60 Hz (UL 2111), this precision unit operates at a rated speed of 2700 RPM, delivering a powerful airflow for efficient heat extraction. Constructed with a 7-blade PA plastic impeller and a housing composed of PA plastic and galvanized sheet steel, this 4.1 kg unit provides a dependable and energy-efficient air-moving solution with an overall efficiency of 42.5% and IP44 protection, ensuring maximum cooling performance and long-term mechanical stability with an integrated thermal overload protector for high-power inverters, variable frequency drives (VFD), and integrated electrical switchgear systems at the end.

K2E225-RB92-09 Fan Parameters

Model Number: K2E225-RB92-09

Manufacturer: ebmpapst

Motor Model: M2E068-DF

Type: AC Centrifugal Fan

Impeller Size: 225 mm

Weight: 4.1 kg

Bearing Type: Ball bearing

Nominal Voltage: 230 VAC

Frequency: 50 / 60 Hz

Max. Power Consumption: 145 W (50 Hz) / 215 W (60 Hz)

Max. Current Draw: 0.64 A (50 Hz) / 0.9 A (60 Hz)

Motor Capacitor: 3.5  $\mu$ F  
Capacitor Voltage: 450 VDB  
Starting Current: 1.25 A (50 Hz) / 1.2 A (60 Hz)  
Rated Speed: 2550 RPM (50 Hz) / 2700 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: 705.0 m<sup>3</sup>/h  
Static Pressure Increase: 320 Pa  
Overall Efficiency: 42.5%  
Efficiency Grade: N 62  
Specific Ratio: 1.00  
Variable Speed Drive: No  
Motor Protection: Thermal overload protector (TOP) wired internally  
Insulation Class: Class F  
Humidity Class: F1-2  
Electrical Hookup: Electrical leads, capacitor mounted  
Number of Blades: 7  
Direction of Rotation: Clockwise, viewed toward rotor  
Impeller Material: PA plastic  
Rotor Surface: Coated in black  
Housing Material: PA plastic; sheet steel, galvanised  
Operation Mode: S1 (Continuous operation)  
Touch Current (IEC 60990): < 0.75 mA Operating Temperature: -25 - +60 °C Storage  
Temperature: -40 - +80 °C Degree of Protection: IP44 Protection Class: I Standard Compliance:  
EN 60335-1; CE Approval Agency: UL 2111; CSA C22.2 No.77 Application The ebmpapst  
K2E225-RB92-09 AC fan is primarily utilized in industrial frequency converters, power inverters,  
and electrical control cabinet heat dissipation systems.

## **Product Images**

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