

# K2E225-RA92-09 ebmpapst 230V 225mm AC Centrifugal Fan

**SKU:** K2E225-RA92-09

**Price:** \$87.14

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/k2e225-ra92-09-ebmpapst-230v-225mm-ac-centrifugal-fan/>

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## Product Description

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The ebmpapst K2E225-RA92-09 is a high-performance 225 mm AC centrifugal fan assembly featuring a sophisticated backward-curved design integrated with a protective housing and guard grille. Powered by the M2E068-DF external rotor motor, this unit is optimized for 230 VAC single-phase operation, requiring a 3.5  $\mu$ F capacitor to achieve a peak power consumption of up to 225 W at 60 Hz. The 7-blade impeller, housing, and guard grille are all constructed from durable glass-fiber reinforced PA plastic, providing a lightweight yet robust airflow solution with an IP44 protection rating. With a static efficiency of 42.5% and conforming to ErP N62 efficiency grades, it delivers precise performance for demanding ventilation tasks. The motor features a black-painted rotor surface, Class F insulation, and an internally connected thermal overload protector, ensuring reliable S1 continuous duty in air conditioning and industrial cooling systems across ambient temperatures up to 70 °C.

K2E225-RA92-09 Fan Parameters

Model Number: K2E225-RA92-09

Motor Number: M2E068-DF

Manufacturer: ebmpapst

Type: AC Centrifugal Fan (Backward-curved)

Size: 225 mm

Weight: 3.3 kg

Bearing Type: Ball bearing

Nominal Voltage: 230 VAC

Voltage Range: 220 - 240 VAC

Phase: 1~

Frequency: 50 / 60 Hz

Power Consumption: 155 W (@ 50 Hz) / 210 W (@ 60 Hz) / 225 W (@ 60 Hz UL)  
Nominal Current: 0.68 A (@ 50 Hz) / 0.92 A (@ 60 Hz) / 0.95 A (@ 60 Hz UL)  
Starting Current: 1.25 A (@ 50 Hz) / 1.2 A (@ 60 Hz)  
Capacitor: 3.5  $\mu$ F / 450 VDB (S0 Safety Class)  
Speed: 2500 RPM (@ 50 Hz) / 2600 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)  
Optimum Air Flow: 705 m<sup>3</sup>/h  
Optimum Pressure Increase: 320 Pa  
Overall Efficiency:  $\eta$ es 42.5% / Efficiency Grade N62  
Motor Design: External rotor motor, painted black  
Motor Protection: Thermal overload protector (TOP) internally connected  
Insulation Class: Class F  
Moisture/Env. Protection: H1  
Electrical Hookup: With plug / Variable cable  
Touch Current: < 0.75 mA  
Number of Blades: 7  
Direction of Rotation: Clockwise, viewed toward rotor  
Airflow Direction: Radial  
Impeller Material: PA plastic  
Housing Material: PA plastic  
Guard Grille Material: PA plastic  
Installation Position: Shaft horizontal or rotor on bottom; rotor on top on request  
Condensation Drainage: Rotor-side holes  
Mode: S1  
Degree of Protection: IP44  
Protection Class: I  
Operating Temperature: -25 - +70 °C (@ 50 Hz) / -25 - +65 °C (@ 60 Hz)  
Standard Compliance: EN 60335-1, CE, UL 2111  
Approval Agency: VDE, UL 1004-3, CSA C22.2 No. 77

#### Application

The ebmpapst K2E225-RA92-09 centrifugal fan is primarily utilized in air conditioning units, high-performance air purifiers, heat recovery ventilation (HRV) systems, and industrial cabinet cooling.

## Product Images

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Scan for product details:

