

K2E225-RA92-12 ebmpapst 230V 225mm AC Centrifugal Fan

SKU: K2E225-RA92-12

Price: \$419.99

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/k2e225-ra92-12-ebmpapst-230v-225mm-ac-centrifugal-fan/>

Product Description

The ebmpapst K2E225-RA92-12 is a high-performance 230 V single-phase AC centrifugal fan featuring a 225 mm backward-curved RadiCal impeller. Driven by a robust external rotor motor (ID: 8317082049), this unit is engineered for optimized air displacement in high-pressure environments, delivering a rated input power of up to 210 W. The RadiCal impeller, precision-molded from glass-fiber reinforced composite material, ensures exceptionally low noise emissions and maximum energy efficiency at speeds up to 2600 RPM. Designed for maintenance-free S1 continuous operation, it features premium ball bearings and an integrated thermal overload protector to ensure industrial-grade reliability. This efficient air-moving solution is ideal for air conditioning systems, electronic cabinet cooling, and cleanroom filter units across an ambient temperature range of -25 °C to 55 °C.

K2E225-RA92-12 Fan Parameters

Model Number: K2E225-RA92-12

Part Number/ID: 8317082049

Manufacturer: ebmpapst

Motor Model: M2E068-DF

Series: RadiCal AC Centrifugal Series

Type: AC Centrifugal Fan (Backward-Curved)

Impeller Size: 225 mm

Dimensions: 270 x 270 x 112 mm

Bearing Type: Ball Bearing

Nominal Voltage: 230 VAC

Voltage Range: 220 - 240 VAC

Phase: 1~

Frequency: 50 / 60 Hz

Weight: 2.95 kg

Power Consumption (Input): 155 W (50 Hz) / 210 W (60 Hz)

Power Output: 88 W (50 Hz) / 100 W (60 Hz)

Nominal Current: 0.68 A (50 Hz) / 0.92 A (60 Hz)

Speed: 2500 RPM (50 Hz) / 2600 RPM (60 Hz)

Required Capacitor: 4 μ F / 450 VDB

Motor Design: Single-phase External Rotor Motor (PSC)

Motor Protection: Thermal overload protector (TOP) wired internally

Insulation Class: Class B

Touch Current: < 0.75 mA

Termination: Variable cable

Max. Air Flow: 62.23 CFM (105.7 m³/h / 1.76 m³/min)

Max. Static Pressure: 9.81 mmH₂O (96.24 Pa / 0.39 inH₂O)

Number of Blades: 7

Direction of Rotation: Clockwise, viewed toward rotor

Impeller Material: PA plastic, glass-fiber reinforced

Rotor Surface: Painted black

Installation Position: Any

Condensate Discharge Holes: On rotor side

Degree of Protection: IP44

Operating Temperature: -25 - +70 °C

Standard Compliance: EN 60335-1, CE

Approval Agency: VDE, CCC, EAC

Application

The ebmpapst K2E225-RA92-12 centrifugal fan is primarily utilized in electronic cabinet cooling, air handling units (AHU), cleanroom filter units (FFU), and HVAC heat pumps.

Product Images







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