

K2E250-RA50-15 ebmpapst 230V 125W 250mm Centrifugal Fan Datasheet



Brand: ebmpapst

SKU: 1043395099622

Category: Axial & Centrifugal Fans

Price: **\$582.86**

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Product Page:

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Product Description

ebmpapst K2E250-RA50-15 is a 250 mm diameter centrifugal fan operating at 230 V AC with a power consumption of 125 W and a nominal speed of 2500 RPM. The unit features a backward-curved impeller constructed from glass-fiber reinforced PA plastic and is driven by an M2E068-DF external rotor motor. It incorporates a maintenance-free dual ball bearing system and an internal thermal overload protector (TOP) for operational safety. The assembly is rated for insulation class F and IP 44 protection, utilizing a 5 μ F capacitor for single-phase operation. The mechanical design includes 11 blades and allows for any mounting position with integrated condensate drainage holes on the rotor side.

K2E250-RA50-15 Specifications

Model: K2E250-RA50-15

Brand: ebmpapst

Motor: M2E068-DF

Phase: 1 ~

Nominal Voltage: 230 VAC

Frequency: 50 / 60 Hz

Speed: 2500 / 2450 RPM

Power Consumption: 125 / 120 W

Current Draw: 0.93 / 1.25 A

Capacitor: 5.0 μ F

Capacitor Voltage: 400 VDB

Impeller Diameter: 250 mm

Number of Blades: 11

Impeller Material: PA plastic, glass-fiber reinforced

Direction of Rotation: Clockwise, viewed toward rotor

Degree of Protection: IP 44

Insulation Class: F

Moisture Sensitivity Class: F1-2

Max. Permissible Ambient Temp. (Motor): + 80 °C

Min. Permissible Ambient Temp. (Motor): - 25 °C

Mounting Position: Any

Condensate Discharge Holes: On rotor side

Mode: S1

Motor Bearing: Ball bearing

Technical Features: Thermal overload protector (TOP) internally connected

Electrical Hookup: Multi-lead cable

Protection Class: I

Weight: 3.5 kg

Approval: CE, EN 60335-1

K2E250-RA50-15 Applications

Primary applications include integration into industrial cabinet cooling systems, HVAC heat recovery units, and cleanroom filter fan units (FFU). Deployed within telecommunications base station thermal management and commercial kitchen ventilation extraction modules.

Supplemental Images

