

R2E225-BD92-19 ebmpapst 230V AC Centrifugal Fan 225mm

SKU: R2E225-BD92-19

Price: \$442.01

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/r2e225-bd92-19-ebmpapst-230v-ac-centrifugal-fan-225mm/>

Product Description

The ebmpapst R2E225-BD92-19 is an AC Centrifugal Fan (Radial Fan) with a 225 mm impeller. It operates on a nominal voltage of 230 V, 50/60 Hz. At 50 Hz, the fan achieves a speed of 2650 RPM, consuming 135 W of power and drawing a current of 0.6 A. The impeller is made of PA6 glass-fiber reinforced plastic, and the fan features a Ball Bearing system and Class F insulation. This fan is optimized for high-pressure industrial ventilation and air conditioning systems.

Model: R2E225-BD92-19

Manufacturer: ebmpapst

Type: AC Centrifugal Fan (Single Inlet, Forward Curved)

Dimensions (measuring): Impeller Φ 225 mm

Nominal Voltage: 230 VAC

Frequency: 50/60 Hz

Speed: 2650 RPM (at 50 Hz); 2950 RPM (at 60 Hz)

Power Consumption: 135 W (at 50 Hz); 200 W (at 60 Hz)

Current Draw: 0.6 A (at 50 Hz); 0.88 A (at 60 Hz)

Starting Current: 1.2 A

Max. Airflow: 1000 m³/h (589 CFM)

Max. Static Pressure: 400 Pa (1.60 inAq)

Noise Level: 68 dB(A)

Weight: 2.3 kg

Housing Material: Sheet steel, galvanized

Impeller Material: PA6 plastic, glass-fiber reinforced

Number of Blades: 7

Bearing Type: Ball bearing

Motor Design: M2E068-DF External Rotor Motor

Motor Protection: Thermal overload protector (TOP) internally connected

Motor Capacitor: 4 μ F

Capacitor Voltage: 450 VDB

Termination: Terminal Box

Insulation Class: F

Service Life L10 at 40 °C: 40000 h

Min. Ambient Temperature: -25 °C

Max. Ambient Temperature: 55 °C

Approvals: CCC, CSA

Application

The ebmpapst R2E225-BD92-19 centrifugal fan is engineered for reliable, continuous operation (Mode S1) in systems requiring high airflow against significant static pressure. Primary applications include central air handling units, ventilation systems in harsh environments, heat recovery devices, industrial cabinet cooling, and general HVAC systems where high performance and the ability to withstand up to 55 °C ambient temperatures are necessary. Its Class F insulation and wide operating temperature range (-25 °C to +55 °C) ensure durability in demanding industrial settings.

Product Images







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