

R2E225-BD92-37 ebmpapst 230V 225mm AC Centrifugal Fan

SKU: R2E225-BD92-37

Price: \$484.26

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/r2e225-bd92-37-ebmpapst-230v-225mm-ac-centrifugal-fan/>

Product Description

The ebmpapst R2E225-BD92-37 is a robust 230 V single-phase AC centrifugal fan featuring a 225 mm backward-curved impeller precision-engineered from galvanized sheet steel. Driven by the high-torque M2E068-DF external rotor motor, this unit is designed for heavy-duty air displacement in high-resistance environments, maintaining balanced airflow at speeds up to 2700 RPM. Engineered for maintenance-free S1 continuous operation, it features a specialized motor design with a thermal overload protector and premium ball bearings to ensure longevity. This fan is an ideal thermal management solution for industrial ventilation, server rack cooling, and cleanroom technology, providing reliable performance across a wide ambient temperature range of -25 °C to 55 °C.

R2E225-BD92-37 Fan Parameters

Model Number: R2E225-BD92-37

Manufacturer: ebmpapst

Motor Model: M2E068-DF

Series: AC Centrifugal Series

Type: AC Centrifugal Fan (Backward-Curved)

Impeller Size: 225 mm

Dimensions: 225 x 225 x 99 mm

Bearing Type: Ball Bearing

Nominal Voltage: 230 VAC

Voltage Range: 220 - 240 VAC

Phase: 1~

Frequency: 50 / 60 Hz

Weight: 2.35 kg

Input Power: 135 W (50 Hz) / 200 W (60 Hz)

Nominal Current: 0.6 A (50 Hz) / 0.88 A (60 Hz)

Speed: 2650 RPM (50 Hz) / 2700 RPM (60 Hz)

Required Capacitor: 5 μ F / 400 VDB

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

Motor Protection: Thermal overload protector (TOP) wired internally

Insulation Class: Class F

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 inAq)

Number of Blades: 7

Direction of Rotation: Clockwise, viewed toward rotor

Airflow Direction: Radial (Single inlet)

Mode of Operation: S1 (Continuous operation)

Impeller Material: Sheet steel, galvanized

Rotor Surface: Painted black

Mounting Position: Any

Condensate Discharge Holes: None

Degree of Protection: IP44

Operating Temperature: -25 - +55 °C

Standard Compliance: EN 60335-1, CE

Approval Agency: VDE, CCC, EAC

Application

The ebmpapst R2E225-BD92-37 centrifugal fan is primarily utilized in electronic cabinet cooling, small air handling units, laboratory equipment ventilation, cleanroom filter units, and compact HVAC systems.

Product Images







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