

R2E225-BD92-09 ebm-papst 230VAC 225mm Centrifugal Fan Datasheet



Brand: ebmpapst

SKU: [945339243227](#)

Category: Axial & Centrifugal Fans

Price: **\$113.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/r2e225-bd92-09-ebm-papst-230vac-225mm-centrifugal-fan>

Product Description

The ebm-papst R2E225-BD92-09 is a high-efficiency backward curved Centrifugal Fan designed for demanding thermal management applications. Driven by the robust M2E068-DF AC motor, this unit features an aerodynamic impeller crafted from fiberglass-reinforced PA6 plastic, ensuring optimal structural rigidity and reduced rotational mass. The system utilizes precision ball bearings to minimize friction and extend operational lifespan under continuous load. Its advanced motor geometry optimizes thermal impedance, delivering consistent airflow performance while maintaining energy efficiency in industrial environments. This motorized impeller is engineered to provide superior static pressure capabilities relative to its compact footprint.

Model Number: R2E225-BD92-09

Brand: ebm-papst

Product Type: Backward Curved Centrifugal Fan / Motorized Impeller

Motor Model: M2E068-DF

Rated Voltage: 230 VAC

Frequency: 50 / 60 Hz

Voltage Range: 200 - 240 VAC

Rated Current: 0.38 / 0.51 A

Power Input: 85 / 115 W

Rated Speed: 2600 / 2700 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 706.3 CFM (1200 m³/h / 20.0 m³/min)

Max. Static Pressure: 46.91 mmH₂O (460 Pa / 1.85 inH₂O)

Impeller Diameter: 225 mm

Impeller Material: PA6 Plastic, fiberglass-reinforced

Capacitor: 3.0 μF / 400 VDB

Insulation Class: F

Ingress Protection: IP44

Operating Temperature: -25 to +60 °C

Weight: 2.3 kg

Motor Protection: Thermal Overload Protector (TOP) wired internally

Number of Blades: 7

Direction of Rotation: Clockwise, seen on rotor

Compliance: CE, CCC

Mounting Position: Shaft horizontal or rotor on bottom; rotor on top on request

The R2E225-BD92-09 is engineered for critical ventilation tasks requiring high static pressure and reliable air movement. Commonly integrated into industrial air purification systems and large-scale disinfection cabinets, this motorized impeller ensures rapid heat dissipation and consistent air exchange. The R2E225-BD92-09 is also frequently utilized in electronics cooling, cabinet ventilation, and HVAC sub-assemblies where compact dimensions and high aerodynamic efficiency are paramount for system stability.