

# R2D225-AP02-09 ebmpapst 400VAC 225mm AC Centrifugal Fan

**SKU:** R2D225-AP02-09

**Price:** \$948.52

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/r2d225-ap02-09-ebmpapst-400vac-225mm-ac-centrifugal-fan/>

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## Product Description

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The ebmpapst R2D225-AP02-09 is a high-performance 400VAC three-phase AC centrifugal fan with an impeller size of Ø 225 mm, specifically engineered for intensive thermal management in industrial and commercial HVAC systems. Powered by a robust M2D068-DF motor, this single-intake backward-curved motorized impeller delivers optimized aerodynamic throughput and high reliability in a compact footprint. Operating at a nominal speed of 2,650 RPM under a 400V 50Hz Y connection, it efficiently draws 0.22A of current with a power consumption of 115W. Built with an IP44 protection class, F2-1 environmental protection, 11 PA plastic blades, and precision ball bearings, the R2D225-AP02-09 ensures long-lasting continuous-duty operation. It also features an integrated Hall IC speed/feedback output (+5V, out, 0V) and conforms to strict safety standards including UL 2111 and CSA.

R2D225-AP02-09 Fan Parameters

Manufacturer: ebmpapst

Model Number: R2D225-AP02-09

Motor Model: M2D068-DF

Type: AC Centrifugal Fan (Backward Curved, Single-Intake)

Impeller Size: Ø 225 mm

Dimensions: 225 x 225 x 85 mm

Weight: 2.2 kg

Blade Material: PA Plastic

Number of Blades: 11

Rotor Surface: Painted black

Bearing Type: Ball Bearing

Phase: 3~ (Three-Phase)

Data Sequence: (400V 50Hz Y / 400V 60Hz Y / 480V 60Hz Y)  
Nominal Voltage: 400 / 400 / 480 VAC  
Frequency: 50 / 60 / 60 Hz  
Wiring: Y / Y / Y  
Rated Speed: 2,650 / 2,950 / 3,100 RPM (min<sup>-1</sup>)  
Max. Power Consumption: 115 / 160 / 180 W  
Max. Current Draw: 0.22 / 0.27 / 0.27 A  
Starting Current: 0.76 / 0.73 A (at 50Hz / 60Hz)  
Min. Back Pressure: 0 Pa (0 inH<sub>2</sub>O)  
Ingress Protection: IP44 (installation- and position-dependent as per EN 60034-5)  
Insulation Class: F  
Moisture / Environmental Protection Class: F2-1  
Operating Mode: S1 (Continuous duty)  
Direction of Rotation: Clockwise, viewed toward rotor  
Operating Temperature: -25 – +55 °C (at 400V 50Hz), -25 – +40 °C (at 60Hz)  
Storage / Transport Temperature: -40 – +80 °C  
Electrical Hookup: Lateral cable with Hall IC output (Red: +5V, White: out, Black: 0V)  
Motor Protection: Thermal overload protector (TOP) internally connected  
Safety Approvals: UL 2111, CSA C22.2 No. 77, CE

#### Application

The ebmpapst R2D225-AP02-09 AC centrifugal fan is specifically designed for cooling industrial frequency converters, commercial HVAC air handling units, telecommunications equipment, power electronics enclosures, and renewable energy inverters requiring reliable three-phase thermal extraction.

## Product Images

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Scan for product details:

