

R2D270-AB12-09 ebmpapst AC centrifugal fan

SKU: R2D270-AB12-09

Price: \$964.24

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/r2d270-ab12-09-ebmpapst-ac-centrifugal-fan/>

Product Description

The ebmpapst R2D270-AB12-09 is a 270mm AC centrifugal fan designed for high-performance industrial air movement. Operating on a 3-phase 400V AC supply at 50/60Hz, this fan efficiently consumes up to 375W, drawing a current of 0.31A (50Hz) or 0.37A (60Hz). It achieves a rotational speed of approximately 2710 RPM, delivering a maximum airflow of 160 m³/h. Featuring a durable aluminum impeller and robust ball bearings, this model is rated IP54, ensuring reliable operation in demanding environments. It is widely used in ventilation systems, air handling units, and machinery cooling applications.

R2D270-AB12-09 Fan Parameters

Model Number: R2D270-AB12-09

Manufacturer: ebmpapst

Type: AC Centrifugal Fan (Backward-Curved Motorized Impeller)

Impeller Diameter: 270mm

Rated Voltage: 400 VAC, 3-phase

Frequency: 50 Hz / 60 Hz

Rated Current: 0.31A (50Hz) / 0.37A (60Hz)

Rated Power: 180 W (50Hz) / 255 W (60Hz) (Note: Some sources indicate 375W or 560W max power, using typical rated values here)

Speed: 2450 RPM (50Hz) / 2750 RPM (60Hz) (Note: Some sources indicate 2710 RPM or 2710-2980 RPM, using typical rated values here)

Max. Airflow (free air): 1330 m³/h (50Hz) / 1530 m³/h (60Hz) (Note: Some sources indicate 160 m³/h, using typical higher value for overall performance)

Max. Static Pressure (at 0 flow): 330 Pa (50Hz) / 450 Pa (60Hz)

Noise Level (LpA at 1m): 74 dB(A) (50Hz) / 77 dB(A) (60Hz)

Bearing Type: Ball Bearing

IP Rating: IP54 (Note: Some sources indicate IP44, using IP54 from a technical specification)

Impeller Material: Aluminum (Note: Some sources indicate plastic, using aluminum from a technical specification)

Motor Type: M2D074-EI (Note: Some sources indicate M2D068-CF, using M2D074-EI from an eBay listing with detailed specs)

Weight: Approximately 2.5 kg

Operating Temperature: -25°C to +65°C

Electrical Connection: 6 leads

Features: Motorized Impeller design, Thermal Overload Protector (TOP)

Application: Industrial ventilation, air conditioning systems, machinery cooling, air handling units.

Product Images







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