

R2D250-RA10-12 ebm-papst 400VAC 250mm Centrifugal Fan Datasheet



Brand: ebmpapst

SKU: [691414212604](#)

Category: Axial & Centrifugal Fans

Price: **\$1,500.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/r2d250-ra10-12-ebm-papst-400vac-250mm-centrifugal-fan>

Product Description

The ebm-papst R2D250-RA10-12 is a precision-engineered backward curved centrifugal fan designed for high-efficiency thermal management in industrial enclosures. Utilizing a robust 3-phase AC external rotor motor, this motorized impeller delivers exceptional aerodynamic performance with optimized static pressure capabilities. The unit features a glass-fiber reinforced plastic impeller, ensuring structural rigidity while minimizing rotational mass for improved dynamic balance. Engineered with maintenance-free ball bearings and advanced thermal impedance characteristics, the R2D250-RA10-12 ensures reliable continuous operation in demanding environments. Its compact design integrates the motor within the impeller hub, significantly reducing the installation footprint while maximizing airflow throughput for critical cooling applications.

Model Number: R2D250-RA10-12

Brand: ebm-papst

Product Type: Backward Curved Centrifugal Fan

Rated Voltage: 400 VAC

Phase: 3~ (Three Phase)

Frequency: 50/60 Hz

Rated Current: 0.28 A / 0.32 A

Power Input: 115 W / 160 W

Rated Speed: 2600 RPM / 2850 RPM

Max. Air Flow: 853 CFM (1450 m³/h)

Impeller Diameter: 250mm

Bearing Type: Ball Bearing

Motor Type: M2D068-DF

Material Impeller: PA Plastic (Glass-fiber reinforced)

Insulation Class: F

Ingress Protection: IP44

Operating Temperature: -25°C to +65°C

Weight: 2.3 kg

Direction of Rotation: Clockwise (viewed toward rotor)

Motor Protection: Thermal Overload Protector (TOP)

Compliance: CE, UL, CSA

This high-performance centrifugal fan is specifically calibrated for use in industrial cabinet cooling systems, including Rittal enclosure climate control units. The R2D250-RA10-12 excels in dissipating heat from high-density server racks, variable frequency drive (VFD) cabinets, and automation control panels where consistent airflow is paramount. Additionally, the R2D250-RA10-12 is frequently utilized in HVAC air handling units, clean room filtration systems, and telecommunications infrastructure, providing the necessary static pressure to overcome high system resistance in tightly packed electronic assemblies.

Supplemental Images

