

# R4D330-AA08-12 ebm-papst 400VAC 330mm Centrifugal Fan Datasheet



**Brand:** ebmpapst

**SKU:** [733165225413](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$1,714.99**

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Product Page:

<https://www.equipspares.com/product/r4d330-aa08-12-ebm-papst-400vac-330mm-centrifugal-fan>

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## Product Description

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The ebm-papst R4D330-AA08-12 is a backward curved centrifugal fan engineered for high-efficiency industrial air movement and thermal regulation. This motorized impeller features a robust 3-phase AC external rotor motor, specifically the M4D094-HA series, designed to deliver consistent torque and thermal stability under continuous loads. Constructed with a durable sheet aluminum impeller, the unit ensures structural rigidity under high centrifugal forces while optimizing aerodynamic performance to minimize acoustic signatures and turbulence. The system utilizes precision-sealed ball bearings to reduce friction and extend operational service life, making it suitable for demanding duty cycles where thermal impedance and reliability are critical factors in system design. The fan is dynamically balanced to ensure vibration-free operation in sensitive electronic enclosures.

Model Number: R4D330-AA08-12

Brand: ebm-papst

Product Type: Backward Curved Centrifugal Fan

Motor Type: AC External Rotor Motor (M4D094-HA)

Rated Voltage: 400 VAC

Phase: 3~ (Three Phase)

Frequency: 50 Hz

Rated Current: 0.48 A

Power Input: 195 W

Rated Speed: 1360 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 1348 CFM (2290 m<sup>3</sup>/h / 38.16 m<sup>3</sup>/min)

Max. Static Pressure: 16.31 mmH<sub>2</sub>O (160 Pa / 0.64 inH<sub>2</sub>O)

Impeller Diameter: 330 mm

Weight: 5.6 kg

Material: Sheet Aluminum

Insulation Class: F

Motor Protection: Thermal Overload Protector (TOP) wired internally

Operating Temperature: -25 to +50 °C

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

Ingress Protection: IP54

Capacitor: None (3-Phase)

Direction of Rotation: Clockwise, seen on rotor

Cable Exit: Variable

Compliance: CE, CCC

The R4D330-AA08-12 is widely utilized in industrial ventilation systems requiring substantial airflow at moderate back pressures. Common deployments include large-scale cabinet cooling, clean room filtration units, and heat exchanger assemblies where consistent air exchange is mandatory. The R4D330-AA08-12 excels in rooftop ventilation units and variable air volume (VAV) systems, providing reliable thermal management for telecommunications infrastructure and power inverters. Its robust construction allows for integration into complex machinery such as suction units and industrial drying equipment, ensuring critical components remain within safe operating temperature ranges.

## Supplemental Images

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