

# R4E310-AF11-01-S01 ebm-papst 230VAC 310mm Centrifugal Fan Datasheet



**Brand:** ebmpapst

**SKU:** [714035927820](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$235.99**

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Product Page:

<https://www.equipspares.com/product/r4e310-af11-01-s01-ebm-papst-230vac-310mm-centrifugal-fan>

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## Product Description

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The ebm-papst R4E310-AF11-01-S01 is a high-efficiency backward-curved motorized impeller designed for critical ventilation applications. Featuring an advanced AC external rotor motor, this unit integrates the impeller directly onto the rotor, ensuring superior structural rigidity and reduced thermal impedance during continuous operation. The aerodynamic design of the blades minimizes turbulence and noise generation while maximizing static pressure capabilities. Built with precision ball bearings and robust insulation, the fan delivers reliable performance in demanding industrial environments, maintaining optimal airflow stability under varying load conditions.

Model Number: R4E310-AF11-01-S01

Brand: ebm-papst

Product Type: Backward Curved Centrifugal Fan / Motorized Impeller

Rated Voltage: 230 VAC

Frequency: 50 / 60 Hz

Voltage Range: 200 - 240 VAC

Rated Current: 0.40 A

Power Input: 88 W

Rated Speed: 1390 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 1029 CFM (1750 m<sup>3</sup>/h / 29.16 m<sup>3</sup>/min)

Max. Static Pressure: 36.71 mmH<sub>2</sub>O (360 Pa / 1.45 inH<sub>2</sub>O)

Dimensions: 310 mm (Diameter)

Weight: 2.6 kg

Life Expectancy: 40000 hrs @ 40°C

Motor Technology: AC External Rotor (M4E068-EC)

Impeller Material: PA Plastic (Glass-fiber reinforced) / Sheet Steel

Ingress Protection: IP44

Insulation Class: F

Capacitor: 3 µF / 400 VDB

Motor Protection: Thermal Overload Protector (TOP) wired internally

Operating Temperature: -25 to +60 °C

Mounting Orientation: Any

Certification: CE, CCC, VDE

Termination: Lead Wires

The R4E310-AF11-01-S01 is widely utilized in industrial air purification systems and clean room filtration modules where consistent high-pressure airflow is essential. Its compact form factor allows for seamless integration into roof fans, duct fans, and complex HVAC assemblies. Engineers frequently specify the R4E310-AF11-01-S01 for cooling electronic cabinets, heat exchangers, and dehumidifiers, relying on its robust construction to withstand continuous duty cycles in commercial and industrial settings.

## Supplemental Images

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