

R2E280-AE52-17 ebmpapst 230VAC 280mm Centrifugal Fan Datasheet



Brand: ebmpapst

SKU: [995628355724](#)

Category: Axial & Centrifugal Fans

Price: **\$382.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/r2e280-ae52-17-ebmpapst-230vac-280mm-centrifugal-fan>

Product Description

The ebmpapst R2E280-AE52-17 is a high-efficiency backward curved centrifugal fan designed for demanding industrial cooling applications. Engineered with an advanced external rotor AC motor, this unit delivers superior aerodynamic performance while maintaining optimal thermal impedance under continuous load. The 280mm motorized impeller features precision-balanced blades that minimize turbulence and acoustic noise, ensuring stable operation in high-static pressure environments. Constructed with robust materials for structural rigidity, the fan utilizes maintenance-free ball bearings to extend service life. Its compact design allows for seamless integration into variable frequency drives and ventilation systems, providing reliable thermal management critical for sensitive electronic components.

Model Number: R2E280-AE52-17

Brand: ebmpapst

Product Type: Backward Curved Centrifugal Fan / Motorized Impeller

Motor Type: AC External Rotor Motor (M2E068-EC)

Rated Voltage: 230 VAC

Frequency: 50 / 60 Hz

Rated Current: 1.00 A (50Hz) / 1.40 A (60Hz)

Power Consumption: 225 W (50Hz) / 300 W (60Hz)

Rated Speed: 2700 RPM (50Hz) / 3000 RPM (60Hz)

Max. Air Flow: 1242 CFM (2110 m³/h)

Max. Static Pressure: 2.61 inH₂O (650 Pa)

Impeller Diameter: 280mm

Bearing Type: Ball Bearing

Capacitor: 7 µF / 400 VDB

Insulation Class: F

Ingress Protection: IP44

Motor Protection: Thermal Overload Protector (TOP) wired internally

Impeller Material: PA Plastic (Glass-fiber reinforced)

Operating Temperature: -25°C to +55°C

Mounting Orientation: Any

Weight: 2.5 kg

Compliance: CE, CCC, VDE

Application Specific: Vacon Inverter Dedicated

The R2E280-AE52-17 is specifically engineered for thermal regulation in high-power industrial electronics, serving as a critical component for Vacon variable frequency drives and heavy-duty inverters. Its high-pressure capabilities make it ideal for cabinet cooling, server rack ventilation, and heat exchanger systems where airflow resistance is significant. Additionally, the R2E280-AE52-17 is widely utilized in cleanroom filtration units, telecommunications infrastructure, and precision HVAC equipment, ensuring consistent operating temperatures for mission-critical hardware.

Supplemental Images

