

# R2E220-AB08-12 ebmpapst 115V 220mm AC Centrifugal Fan

**SKU:** R2E220-AB08-12

**Price:** \$257.12

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/r2e220-ab08-12-ebmpapst-115v-220mm-ac-centrifugal-fan/>

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## Product Description

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The ebmpapst R2E220-AB08-12 is a high-performance 115VAC single-phase AC Centrifugal Fan, featuring backward-curved RadiCal impellers in a compact motorized impeller design. Driven by the M2E068-CF motor with integrated thermal overload protection (TOP), this 220 mm impeller size fan is specifically engineered for slim-profile cabinet cooling, ventilation modules, and electronic equipment thermal management. Operating on a 115 VAC supply, it delivers a Power Consumption of 93 W / 125 W and a Current Draw of 0.8 A / 1.1 A at rated speeds of 2750 / 3050 RPM. Featuring a glass-fiber reinforced PA6 plastic impeller with 11 blades, a black-painted rotor surface, and a high-quality 10.0  $\mu$ F / 220 VDB capacitor system, it ensures superior aerodynamic efficiency, IP44-rated protection, and reliable continuous S1 operation in demanding environments at the end.

R2E220-AB08-12 Fan Parameters

Model Number: R2E220-AB08-12

Motor Model: M2E068-CF

Manufacturer: ebmpapst

Type: AC Centrifugal Fan - Backward-curved, single-intake, motorized impeller

Impeller Size: 220 mm

Dimensions: 220 x 70 mm

Weight: 1.8 kg

Bearing Type: Ball bearing

Nominal Voltage: 115 VAC

Phase: 1~

Frequency: 50 / 60 Hz

Method of Obtaining Data: fa (Free air)

Current Draw: 0.8 / 1.1 A

Power Consumption: 93 / 125 W

Rated Speed: 2750 / 3050 RPM

Max. Air Flow: 529.7 CFM (900.0 m<sup>3</sup>/h / 15.00 m<sup>3</sup>/min)

Max. Static Pressure: 43.85 mmH<sub>2</sub>O (430.0 Pa / 1.73 inAq)

Capacitor: 10.0 µF / 220 VDB (P0)

Impeller Material: PA6 plastic, glass-fiber reinforced

Number of Blades: 11

Rotor Surface: Painted black

Direction of Rotation: Clockwise (viewed toward rotor)

Insulation Class: "B"

Degree of Protection: IP44

Moisture (F) / Environmental (H) Protection Class: F1-2

Touch Current: < 0.75 mA

Motor Protection: Thermal overload protector (TOP) internally connected

Condensation Drainage Holes: On rotor side

Installation Position: Any

Mode: S1 (Continuous operation)

Protection Class: I (if protective earth is connected)

Max. Ambient Temperature: 30 / 35 °C

Min. Ambient Temperature: -25 °C

Standard Compliance: EN 60335-1; CE

Approval: CCC; UL 2111; CSA C22.2 No. 77; EAC

#### Application

The ebmpapst R2E220-AB08-12 centrifugal fan is the primary air-moving solution for slim-profile cabinet cooling, low-voltage HVAC filtration units, and industrial ventilation requiring high-efficiency 115V AC airflow in a 220mm motorized impeller configuration.

## Product Images

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Scan for product details:

