

# R2E220-AA44-23 ebmpapst 115V 220mm AC Centrifugal Fan

**SKU:** R2E220-AA44-23

**Price:** \$397.98

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/r2e220-aa44-23-ebmpapst-115v-220mm-ac-centrifugal-fan/>

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## Product Description

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The ebmpapst R2E220-AA44-23 is a specialized 115 V single-phase AC centrifugal fan featuring a 220 mm backward-curved impeller made of high-strength glass-fiber reinforced PA6 plastic. Driven by the M2E068-BF external rotor motor, this unit is engineered for efficient air displacement in 115V power systems, achieving a maximum speed of 2700 RPM. Designed for S1 continuous operation, the fan features a robust ball bearing system and integrated thermal overload protection to ensure long-term reliability. Its versatile design allows for installation in any position, making it an ideal thermal management solution for electronic cabinet cooling and ventilation systems in regions or equipment requiring 115V AC power, operating optimally within an ambient temperature range of -25 °C to 30 °C.

R2E220-AA44-23 Fan Parameters

Model Number: R2E220-AA44-23

Manufacturer: ebmpapst

Motor Model: M2E068-BF

Series: AC Centrifugal Series

Type: AC Centrifugal Fan (Backward-Curved)

Impeller Size: 220 mm

Dimensions: 220 x 220 x 71 mm

Bearing Type: Ball Bearing

Nominal Voltage: 115 VAC

Voltage Range: 100 - 125 VAC

Phase: 1~

Frequency: 50 / 60 Hz

Weight: 1.3 kg

Power Consumption: 75 W (50 Hz) / 100 W (60 Hz)  
Nominal Current: 0.67 A (50 Hz) / 0.88 A (0.67 A at 115V 50Hz)  
Starting Current: 1.0 A (50 Hz) / 1.05 A (60 Hz)  
Speed: 2550 RPM (50 Hz) / 2700 RPM (60 Hz)  
Motor Capacitor: 10  $\mu$ F / 220 VDB  
Motor Design: Single-phase External Rotor Motor (PSC)  
Motor Protection: Thermal overload protector (TOP) internally connected  
Insulation Class: Class B  
Touch Current: < 0.75 mA  
Termination: Variable cable  
Max. Air Flow: 62.23 CFM (105.7 m<sup>3</sup>/h / 1.76 m<sup>3</sup>/min)  
Max. Static Pressure: 9.81 mmH<sub>2</sub>O (96.24 Pa / 0.39 inH<sub>2</sub>O)  
Number of Blades: 11  
Direction of Rotation: Clockwise, viewed toward rotor  
Impeller Material: PA6 plastic, glass-fiber reinforced  
Rotor Surface: Unpainted  
Installation Position: Any  
Condensate Discharge Holes: None  
Degree of Protection: IP44  
Environmental Protection Class: H0 (Dry environment)  
Operating Temperature: -25 - +30 °C  
Standard Compliance: EN 60335-1, CE  
Approval Agency: CSA C22.2 No. 113, CCC, EAC, UL 507

#### Application

The ebmpapst R2E220-AA44-23 centrifugal fan is primarily utilized in electronic cabinet cooling, small air handling units, laboratory equipment ventilation, cleanroom filter units, and compact HVAC systems.

## **Product Images**

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