

# R2E220-AA40-71 ebmpapst 230V 220mm AC Centrifugal Fan

**SKU:** R2E220-AA40-71

**Price:** \$197.99

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/r2e220-aa40-71-ebmpapst-230v-220mm-ac-centrifugal-fan/>

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## Product Description

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The ebmpapst R2E220-AA40-71 is a high-performance 230VAC single-phase AC Centrifugal Fan, featuring backward-curved impellers in a compact motorized impeller design. Driven by the M2E068-BF motor with integrated thermal overload protection (TOP), this 220 mm impeller size fan is specifically engineered for control cabinet cooling, ventilation units, and electronic equipment thermal management. Operating on a 230 VAC supply, it delivers a Power Consumption of 85 W / 90 W and a Current Draw of 0.38 A / 0.40 A at rated speeds of 2600 / 2700 RPM. Featuring a glass-fiber reinforced PA6 plastic impeller with 11 blades and a specialized 3.0 / 2.0  $\mu$ F capacitor system, it ensures superior aerodynamic efficiency, low weight, and reliable continuous S1 operation in demanding environments at the end.

R2E220-AA40-71 Fan Parameters

Model Number: R2E220-AA40-71

Motor Model: M2E068-BF

Manufacturer: ebmpapst

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

Impeller Size: 220 mm

Dimensions: 220 x 71 mm

Weight: 1.3 kg

Bearing Type: Ball bearing

Nominal Voltage: 230 VAC

Phase: 1~

Frequency: 50 / 60 Hz

Method of Obtaining Data: fa (Free air)

Current Draw: 0.38 / 0.40 A

Starting Current: 0.54 / 0.52 A

Power Consumption: 85 / 90 W

Rated Speed: 2600 / 2700 RPM

Max. Air Flow: 523.8 CFM (890.0 m<sup>3</sup>/h / 14.83 m<sup>3</sup>/min)

Max. Static Pressure: 42.83 mmH<sub>2</sub>O (420.0 Pa / 1.69 inAq)

Capacitor: 3.0 μF (50Hz) / 2.0 μF (60Hz) / 400 VDB (S0)

Impeller Material: PA6 plastic, glass-fiber reinforced

Number of Blades: 11

Rotor Surface: Unpainted

Direction of Rotation: Clockwise (viewed toward rotor)

Insulation Class: "B"

Degree of Protection: IP44

Moisture (F) / Environmental (H) Protection Class: H0 - dry environment

Touch Current: < 0.75 mA (acc. IEC 60990, Fig. 4, TN system)

Motor Protection: Thermal overload protector (TOP) internally connected

Condensation Drainage Holes: None

Installation Position: Shaft horizontal

Mode: S1 (Continuous operation)

Protection Class: I (if protective earth is connected)

Max. Ambient Temperature: 40 / 40 °C

Min. Ambient Temperature: -25 °C

Standard Compliance: EN 60335-1; CE

Approval: CCC; CSA C22.2 No. 113; UL 507; EAC

#### Application

The ebmpapst R2E220-AA40-71 centrifugal fan is the primary air-moving solution for localized cabinet cooling, HVAC filtration units, and high-efficiency ventilation requiring stable 230V AC airflow in a 220mm motorized impeller configuration.

## Product Images

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Scan for product details:

