

R2E175-AC79-29 ebmpapst AC Centrifugal Fan

SKU: R2E175-AC79-29

Price: \$498.39

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/r2e175-ac79-29-ebmpapst-ac-centrifugal-fan/>

Product Description

The ebmpapst R2E175-AC79-29 is an AC centrifugal fan with a 175 mm diameter. It operates on a 115V AC power supply at dual frequencies of 50 Hz and 60 Hz. At 50 Hz, it draws 0.50 A of current and consumes 55 W of power, delivering an airflow of 460 m³/h and a static pressure of 360 Pa. At 60 Hz, it draws 0.61 A, consumes 70 W, and provides an airflow of 530 m³/h with a static pressure of 450 Pa. The fan's speed is 2600 RPM at 50 Hz and 2900 RPM at 60 Hz. The fan features a ball bearing motor with an M2E068-BF motor type, and its impeller is made of sheet steel, hot-galvanised.

R2E175-AC79-29 Fan Parameters

Manufacturer: ebmpapst

Model: R2E175-AC79-29

Fan Type: AC Centrifugal Fan

Dimensions: 175 x 175 x 70.8 mm

Rated Voltage: 115V AC

Frequency: 50/60 Hz

Current Rating: 0.50 A (50 Hz), 0.61 A (60 Hz)

Power Consumption: 55 W (50 Hz), 70 W (60 Hz)

Airflow: 460 m³/h (50 Hz), 530 m³/h (60 Hz)

Static Pressure: 360 Pa (50 Hz), 450 Pa (60 Hz)

Speed: 2600 RPM (50 Hz), 2900 RPM (60 Hz)

Noise Level: 68 dB(A) (50 Hz), 72 dB(A) (60 Hz)

Weight: 1.3 kg

Bearing Type: Ball bearing

Termination: 3-Wire Leads

Motor: M2E068-BF

Motor capacitor: 6 µF

Capacitor voltage: 220VDB

Operating Temperature: -25 °C to 70 °C

Service Life: 40000 h at 40 °C

Motor Protection: Thermal overload protector (TOP) wired internally

Impeller Material: Sheet steel, hot-galvanised

Direction of rotation: Clockwise, seen on rotor

Mounting position: Any

Connection: With plug

Humidity class: F0

Insulation class: "B"

Cable exit: Variable

Condensate discharge holes: None

Type of protection: IP 44; Depending on installation and position

Protection class: I (if protective earth is connected by customer)

Max. permissible ambient motor temp. (transp./ storage): + 80 °C

Min. permissible ambient motor temp. (transp./storage): - 40 °C

Approval: CCC, CSA C22.2 Nr.77, UL 2111

Application

The R2E175-AC79-29 fan is suitable for applications that require high static pressure and efficient air movement, such as in ventilation systems, exhaust systems, and industrial electronics.

Product Images







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