

R4E225-AI01-09 SK3149.007 ebmpapst 230V AC Centrifugal Fan

SKU: R4E225-AI01-09

Price: \$346.50

Categories: Fans

Tags: ebmpapst, Rittal

Product Link:

<https://www.electspares.com/product/r4e225-ai01-09-sk3149-007-ebmpapst-230v-ac-centrifugal-fan/>

Product Description

The ebmpapst R4E225-AI01-09 is an AC Centrifugal Fan with backward-curved blades, measuring approximately 225 mm in diameter and 63 mm in width, and is the core component of the Rittal SK 3149.007 Roof-mounted fan unit. Operating on a single-phase 230 V AC supply at 50/60 Hz, the fan provides high air performance with an unimpeded air throughput of 360 m³/h (at 50 Hz) and features a robust ball bearing system. Key electrical specifications include a power consumption of 40 W at 50 Hz and 45 W at 60 Hz, and a low maximum current draw of 0.2 A. With an IP44 protection rating and a wide operating temperature range from -25 °C to 50 °C, it is designed for reliable, continuous use in enclosure climate control and industrial air movement systems.

R4E225-AI01-09 Fan Parameters

Model: R4E225-AI01-09

Manufacturer: ebmpapst

Type: Centrifugal Fan, Backward-Curved

Motor: M4E068-CF

Nominal Voltage: 230 V AC

Frequency: 50/60 Hz

Phase: 1~

Speed: 1430 RPM (50 Hz) / 1700 RPM (60 Hz)

Power Consumption: 40 W (50 Hz) / 45 W (60 Hz)

Current Draw: 0.2 A

Airflow (Unimpeded): 360 m³/h (50 Hz)

Noise Level: 53 dB(A) (50 Hz)

Fan Size: 225 mm (Diameter)

Impeller Material: PA6 plastic, glass-fiber reinforced

Number of Blades: 11

Degree of Protection: IP44

Insulation Class: B

Motor Protection: Thermal Overload Protector (TOP) internally connected

Bearing Type: Ball Bearing

Capacitor: 1.5 μ F

Capacitor Voltage: 450 VDB

Max. Ambient Temperature: 50 °C

Min. Ambient Temperature: –25 °C

Protection Class: I

Application

The R4E225-AI01-09 is primarily used for enclosure climate control and industrial cooling and ventilation. Its most common application is as the integral radial fan component inside the Rittal SK 3149.007 Roof-mounted fan unit, which provides efficient air throughput for cooling industrial switchgear, IT, and control cabinets by venting heat from the top of the enclosure.

Product Images







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