

K2E225-RA40-02 ebmpapst 115V 270mm AC Centrifugal Fan

SKU: K2E225-RA40-02

Price: \$459.99

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/k2e225-ra40-02-ebmpapst-115v-270mm-ac-centrifugal-fan/>

Product Description

The ebmpapst K2E225-RA40-02 is a high-velocity AC centrifugal fan integrated into a 270 x 270 x 112 mm PA plastic housing, specifically engineered for high-performance ventilation and cooling in North American and industrial 115 VAC environments. Powered by the M2E068-DF motor, this single-phase unit achieves a maximum nominal speed of 2700 RPM with a power consumption up to 235 W. The 225 mm 7-blade PA plastic impeller is optimized for clockwise rotation, delivering powerful air performance with a robust ball bearing system. Designed for extreme durability, the unit features Insulation Class "F", IP44 protection, and internal thermal overload protection, ensuring a long service life in operating temperatures from -25 °C to 60 °C.

K2E225-RA40-02 Fan Parameters

Manufacturer: ebmpapst

Model Number: K2E225-RA40-02

Type: AC centrifugal fan

Motor Model: M2E068-DF

Phase: 1~

Nominal Voltage: 115 VAC

Frequency: 50/60 Hz

Dimensions: 270 x 270 x 112 mm

Fan Size: 225 mm

Weight: 3.2 kg

[Electrical Data]

Nominal Speed: 2550 RPM (50 Hz) / 2700 RPM (60 Hz)

Power Consumption: 165 W (50 Hz) / 225 - 235 W (60 Hz)

Current Draw: 1.47 A (50 Hz) / 1.95 - 1.97 A (60 Hz)

Starting Current: 2.9 A (50 Hz) / 2.7 - 2.8 A (60 Hz)

Capacitor Requirement: 14 µF / 250 VDB (S0 CE / UL standard)

Motor Protection: Thermal overload protector (TOP) internally connected

Touch Current: < 0.75 mA (IEC 60990 Fig. 4)

Insulation Class: F

[Performance & Technical Features]

Number of Blades: 7

Direction of Rotation: Clockwise (viewed toward rotor)

Min. Back Pressure: 0 Pa

Electrical Hookup: With plug (With variable cable)

Protection Class: I (With customer connection of protective earth)

Mode: S1 (Continuous operation)

[Materials & Construction]

Housing Material: PA plastic

Impeller Material: PA plastic

Rotor Surface: Painted black

Motor Bearing: Ball bearing

Installation Position: Shaft horizontal or rotor on bottom (Rotor on top on request)

Condensation Drainage: On rotor side

Degree of Protection: IP44

[Reliability & Safety Standards]

Min. Ambient Temperature: -25 °C

Max. Ambient Temperature: 60 °C

Min. Storage Temperature: -40 °C

Max. Storage Temperature: 80 °C

Environmental Protection Class: H0+

Conformity with Standards: EN 60335-1, CE

Approval Agency: CCC, UL 2111, CSA C22.2 No. 77

Application

The ebmpapst K2E225-RA40-02 AC centrifugal fan is specifically engineered for high-performance industrial cooling and ventilation systems where its 270 x 270 x 112 mm PA plastic housing and 2700 RPM 115 VAC motor are required to deliver powerful airflow for thermal regulation, while its ball bearing system and 235 W power-efficient design ensure stable 115 VAC operation and extended service life in mission-critical environments from -25 °C to 60 °C.

Product Images







Scan for product details:

