

K2E220-RA38-09 ebmpapst 230V 220mm AC Centrifugal Fan

SKU: K2E220-RA38-09

Price: \$437.48

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/k2e220-ra38-09-ebmpapst-230v-220mm-ac-centrifugal-fan/>

Product Description

The ebmpapst K2E220-RA38-09 is a high-performance AC Centrifugal Fan with an impeller size of 220 mm and dimensions of 220 x 71 mm. This backward-curved centrifugal fan operates on a nominal 230 VAC (50/60 Hz) and belongs to the aerodynamically optimized RadiCal series. It features a high-tech composite material impeller (PA66, glass-fiber reinforced) designed for maximum efficiency and minimized noise turbulence. Delivering a maximum airflow of approximately 506.2 CFM (860 m³/h), it is powered by an asynchronous external rotor motor with an output power of up to 40 W. This model is engineered for high-pressure environments such as ventilation systems, precision air conditioning, and cleanroom modules, offering robust IP44 protection and a maintenance-free ball bearing system for long-term reliability in demanding industrial applications.

K2E220-RA38-09 Fan Parameters

Manufacturer: ebmpapst

Model Number: K2E220-RA38-09

Type: AC Centrifugal Fan (Backward-curved)

Dimensions: 220 x 71 mm

Impeller Size: 220 mm

Nominal Voltage: 230 VAC

Operating Voltage Range: 195 to 265 VAC

Frequency: 50 / 60 Hz

Speed: 2100 / 2050 RPM

Output Power: 40 / 35 W

Rated Current: 0.39 / 0.47 A

Max. Airflow: 506.2 CFM (860 m³/h) / 494.4 CFM (840 m³/h)

Max. Static Pressure: 525 Pa (2.11 inAq)

Noise Level: 69.0 / 71.0 dB(A)

Weight: 2 kg

Capacitance: 3.0 μ F / 450 VDB (Required for operation)

Bearing Type: Ball Bearing

Housing Material: Not applicable (Rotor surface unpainted)

Impeller Material: PA plastic, glass-fiber reinforced

Direction of Rotation: Clockwise (viewed toward rotor)

Degree of Protection: IP44

Insulation Class: F

Humidity Class: F1-2

Operating Temp. Range: -25 °C to +55 °C

Safety Protections: Thermal overload protector (TOP) internally connected

Approvals: VDE, CE, UL, CSA, CCC, EAC

Application

The K2E220-RA38-09 is specifically designed for high-impedance cooling and ventilation where noise levels and energy efficiency are critical factors. Its backward-curved RadiCal impeller geometry significantly reduces air turbulence, making it perfect for decentralized office ventilation, domestic heat recovery systems, and precision cooling in server cabinets. The fan's high static pressure capability allows it to effectively push air through dense HEPA filters or complex ductwork. Additionally, the IP44 protection and robust external rotor design make it suitable for various industrial applications, including air curtains, refrigeration units, and power electronics cooling where durability and high air displacement are required.

Product Images





