

K2E220-RA38-09 ebm-papst 230VAC 220mm IP44 Centrifugal Module Datasheet



Brand: ebmpapst

SKU: 994900334964

Category: Axial & Centrifugal Fans

Price: **\$814.99**

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Product Page:

<https://www.equipspares.com/product/k2e220-ra38-09-ebm-papst-230vac-220mm-ip44-centrifugal-module>

Product Description

The ebm-papst K2E220-RA38-09 is a precision-engineered AC centrifugal module designed for demanding thermal management applications. Driven by the robust M2E068-BF motor, this unit features a high-efficiency PA plastic impeller optimized for reduced turbulence and acoustic noise. The system utilizes maintenance-free ball bearings to ensure long-term reliability and consistent performance under varying loads. With an IP44 ingress protection rating and Class F insulation, the K2E220-RA38-09 maintains structural rigidity and operational stability in challenging environments. Its integrated thermal overload protector (TOP) safeguards against overheating, ensuring optimal thermal impedance management for critical industrial systems.

Model Number: K2E220-RA38-09

Brand: ebm-papst

Product Type: AC Centrifugal Module

Motor Type: M2E068-BF

Rated Voltage: 230 VAC

Frequency: 50 / 60 Hz

Rated Current: 0.39 A (50Hz) / 0.47 A (60Hz)

Power Consumption: 88 W (50Hz) / 107 W (60Hz)

Rated Speed: 2100 RPM (50Hz) / 2050 RPM (60Hz)

Bearing Type: Ball Bearing
Fan Size: 220 mm
Weight: 2 kg
Impeller Material: PA Plastic
Housing Material: PA Plastic
Guard Grille Material: PA Plastic
Number of Blades: 7
Direction of Rotation: Clockwise (viewed toward rotor)
Ingress Protection: IP44
Insulation Class: F
Environmental Protection Class: H1
Operating Temperature: -25 to +50 °C (50Hz) / +60 °C (60Hz)
Storage Temperature: -40 to +80 °C
Motor Protection: Thermal Overload Protector (TOP) internally connected
Capacitor: 2 µF / 450 VDB
Starting Current: 0.51 A (50Hz) / 0.52 A (60Hz)
Electrical Hookup: With plug
Protection Class: I
Touch Current: < 0.75 mA
Mode: S1
Approvals: CE, UL 1004-3, CSA C22.2 No. 77

The K2E220-RA38-09 is engineered for integration into industrial ventilation systems where space and efficiency are critical. Common implementations include control cabinet cooling, network server racks, and telecommunications infrastructure requiring reliable air movement. The K2E220-RA38-09 excels in medical device cooling and variable frequency drive (VFD) ventilation, providing consistent airflow to sensitive electronic components. Its robust construction also suits HVAC sub-systems and automated machinery requiring continuous thermal regulation.

Supplemental Images

