

K2D250-AB32-06 ebmpapst 400/480V 250mm AC Axial Fan

SKU: K2D250-AB32-06

Price: \$3,178.40

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/k2d250-ab32-06-ebmpapst-400-480v-250mm-ac-axial-fan/>

Product Description

The ebmpapst K2D250-AB32-06 is a professional-grade 250 mm AC axial fan engineered for high-performance cooling in demanding industrial and refrigeration environments. Driven by the robust M2D068-DF external rotor motor, this 3-phase unit is designed for versatile global deployment, supporting both 400 VAC and 480 VAC power systems. Featuring a 5-blade impeller constructed from high-strength sheet steel with a black-painted finish, it delivers stable aerodynamic performance at speeds up to 2800 RPM. A key technical advantage is its IP55 protection rating, ensuring reliable S1 continuous operation even in environments exposed to dust and water jets. With a power ceiling of 155 W and integrated thermal overload protection, the K2D250-AB32-06 provides a heavy-duty thermal solution for industrial condensers, heat exchangers, and electrical enclosure ventilation.

K2D250-AB32-06 Fan Parameters

Model Number: K2D250-AB32-06

Motor Number: M2D068-DF

Manufacturer: ebmpapst

Type: AC Axial Fan

Size: 250 mm

Dimensions: 250 mm (Impeller diameter)

Weight: 2.1 kg

Bearing Type: Ball bearing

Nominal Voltage: 400 / 480 VAC

Voltage Range: 380 - 480 VAC

Phase: 3~

Frequency: 50 / 60 Hz

Power Consumption: 100 W (@ 400V 50Hz) / 135 W (@ 400V 60Hz) / 155 W (@ 480V 60Hz)

Nominal Current: 0.16 A (@ 400V 50Hz) / 0.21 A (@ 400V 60Hz) / 0.21 A (@ 480V 60Hz)

Speed: 2450 RPM (@ 50Hz) / 2500 RPM (@ 60Hz) / 2800 RPM (@ 480V 60Hz)

Max. Air Flow: 62.23 CFM (105.7 m³/h / 1.76 m³/min)

Max. Static Pressure: 9.81 mmH₂O (96.24 Pa / 0.39 inH₂O)

Actual Air Flow: 1950 m³/h (@ 2800 RPM)

Actual Static Pressure: 165 Pa

Sound Power Level: 7.4 Bel(A)

Sound Pressure Level: 66 dB(A)

Motor Design: External rotor motor, painted black

Motor Protection: Thermal overload protector (TOP) internally connected

Insulation Class: Class B

Electrical Hookup: Terminal box

Number of Blades: 5

Direction of Rotation: Counter-clockwise, viewed toward rotor

Airflow Direction: "V" (Exhaust over struts)

Impeller Material: Sheet steel, painted black

Installation Position: Any

Degree of Protection: IP55

Operating Temperature: -25 - +60 °C

Service Life (L10 @ 40 °C): 40000 h

Standard Compliance: EN 60335-1, CE

Approval Agency: VDE, CCC, EAC

Application

The ebmpapst K2D250-AB32-06 axial fan is primarily utilized in commercial refrigeration condensers, cold storage evaporators, industrial heat exchangers, and ventilation systems for electrical enclosures.

Product Images







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