

K2D200-AB24-05 ebmpapst 400V/480V 200mm AC Centrifugal Fan

SKU: K2D200-AB24-05

Price: \$2,514.12

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/k2d200-ab24-05-ebmpapst-400v-480v-200mm-ac-centrifugal-fan/>

Product Description

The ebmpapst K2D200-AB24-05 is a high-performance 3-phase AC Centrifugal Fan with a blade diameter of 200 mm. Designed for industrial-grade thermal management, this unit operates at 400V/480V VAC (50/60 Hz) and is powered by a robust brushless motor. It features a forward-curved multi-vane impeller and is built with a die-cast aluminum housing for superior heat dissipation. At 60 Hz, it achieves a rated speed of 2800 RPM with a power consumption of 110 W and a current draw of 0.12 A. Engineered for extreme environments, the fan is rated IP55 for superior protection against dust and water ingress. Utilizing a precision ball bearing system, the K2D200-AB24-05 provides a durable, high-pressure cooling solution for frequency inverters, control cabinets, and mission-critical industrial ventilation systems.

K2D200-AB24-05 Fan Parameters

Manufacturer: ebmpapst

Model Number: K2D200-AB24-05

Type: AC Centrifugal Fan

Motor Design: 3-phase AC Brushless Motor

Number of Blades: Multi-vane forward curved

Nominal Voltage: 400 / 480 VAC

Frequency: 50 / 60 Hz

Dimensions: 200 x 200 x 86 mm

Impeller Size: 200 mm

Weight: 2.1 kg

[Electrical Data]

Rated Speed: 2630 / 2800 RPM

Rated Current: 0.10 / 0.12 A

Power Consumption: 90 / 110 W

Termination: 9 Wire Leads (Lateral exit)

Insulation Class: B

Motor Bearing: Ball Bearing

[Performance & Acoustics]

Max. Air Flow: 880 / 990 m³/h (517.6 / 582.3 CFM)

Max. Static Pressure: 300 Pa (1.20 inAq)

Sound Pressure Level: 66 / 69 dB(A)

Degree of Protection: IP55 (Dust-protected, Jet-water-proof)

[Materials & Construction]

Housing Material: Die-cast aluminum

Impeller Material: Sheet steel, galvanized

Rotor Surface: Painted black

Direction of Rotation: Clockwise, viewed toward rotor

Installation Position: Any

Mode: S1 (Continuous operation)

[Reliability & Protection]

Min. Ambient Temperature: -25 °C

Max. Ambient Temperature: 60 °C (50Hz) / 45 °C (60Hz)

Motor Protection: Thermal overload protector (TOP) internally connected

Approval: CE, CCC, EAC, VDE

Application

The ebmpapst K2D200-AB24-05 3-phase fan is a premier thermal management solution for high-resistance industrial applications, including high-power frequency inverters, industrial server racks, and automated ventilation systems. Its 200 mm forward-curved impeller is specifically designed to overcome backpressure in dense electronic assemblies, ensuring consistent airflow. The IP55 rating makes it exceptionally suited for harsh environments where exposure to dust and water splashes is common. With a high-torque 400V/480V motor and a durable die-cast aluminum construction, this fan provides 24/7 maintenance-free operation for modern industrial automation, telecommunications infrastructure, and large-scale renewable energy power blocks.

Product Images









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