

6SY7000-0AB30 Siemens K2E220-AB06-09 ebmpapst 230V AC Centrifugal Fan

SKU: K2E220-AB06-09

Price: \$519.72

Categories: Fans

Tags: ebmpapst, Siemens

Product Link:

<https://www.electspares.com/product/6sy7000-0ab30-siemens-k2e220-ab06-09-ebmpapst-230v-ac-centrifugal-fan/>

Product Description

The Siemens 6SY7000-0AB30 (OEM: ebmpapst K2E220-AB06-09) is a high-performance industrial AC Forward Curved Centrifugal Fan with an impeller size of 220 mm. Driven by the M2E068-CF external rotor motor, this 6SY7000-0AB30 model is specifically engineered for Siemens SINAMICS and Masterdrive inverter systems operating on 230 VAC. It delivers a maximum airflow of 650 m³/h at 2550 RPM (50 Hz) and up to 700 m³/h at 2700 RPM (60 Hz). Featuring a specialized 11-blade fiberglass-reinforced plastic impeller and a robust integrated housing, it is designed to maintain high air velocity even under high back-pressure conditions (up to 450 Pa). With its IP44 protection and thermal overload protection (TOP), the 6SY7000-0AB30 provides mission-critical reliability for industrial frequency inverters, server infrastructure, and heavy-duty automation systems.

6SY7000-0AB30 / K2E220-AB06-09 Fan Parameters

Manufacturer: ebmpapst (for Siemens)

Siemens Part Number: 6SY7000-0AB30

OEM Model Number: K2E220-AB06-09

Motor Model: M2E068-CF

Type: AC Centrifugal Fan (Forward Curved, with housing)

Impeller Size: 220 mm

Dimensions: 329 x 313 x 91 mm

Nominal Voltage: 230 VAC

Frequency: 50 / 60 Hz

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

Power Input (50/60 Hz): 100 / 137 W

Current Draw (50/60 Hz): 0.45 / 0.60 A

Starting Current (50/60 Hz): 0.90 / 0.92 A

Max. Airflow (50/60 Hz): 650 / 700 m³/h

Max. Static Pressure: 450 Pa (at 60 Hz)

Noise Level: 68 dB(A)

Weight: 1.3 kg

Motor Capacitor: 2.5 µF

Capacitor Voltage: 400 VDB (Standard P0 CE)

Termination: 3-wire PVC Cable (Brown, Black, Blue) with Molex connector

Bearing Type: Ball Bearing

Impeller Material: Plastic PA6, fiberglass-reinforced

Housing Material: Plastic PA6.6, fiberglass-reinforced

Number of Blades: 11

Direction of Rotation: Clockwise (viewed toward rotor)

Degree of Protection: IP44

Insulation Class: B

Motor Protection: Thermal Overload Protector (TOP) wired internally

Max. Ambient Temp: +55 °C

Min. Permissible Ambient Motor Temp: -40 °C (Storage)

Safety Approvals: CE, CCC, UL 2111, CSA C22.2 No. 77

Application

The 6SY7000-0AB30 is primarily engineered as the core cooling component for Siemens SINAMICS and Masterdrive frequency inverters, facilitating the thermal regulation of high-power IGBT modules. Its forward-curved design and 11-blade impeller allow the 6SY7000-0AB30 to maintain a high airflow of up to 700 m³/h, even when faced with the significant back-pressure of dense inverter cabinets. The integrated housing ensures directed airflow through the heat sinks, while the IP44 rating and internal thermal protection safeguard the 6SY7000-0AB30 against dust and thermal overload. This ebmpapst unit is a vital replacement part for mission-critical industrial automation, ensuring system uptime by providing reliable 230V AC cooling in high-impedance environments.

Product Images





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