

M180FAN22-1WB Sinwan 200/240V 180x180x65mm AC Axial Fan

SKU: M180FAN22-1WB

Price: \$139.99

Categories: Fans

Tags: Sinwan

Product Link:

<https://www.electspares.com/product/m180fan22-1wb-sinwan-200-240v-180x180x65mm-ac-axial-fan/>

Product Description

The Sinwan M180FAN22-1WB is a high-performance 200/240 VAC AC Axial Fan with dimensions of 180 x 180 x 65 mm, specifically engineered for extreme thermal management in large-scale industrial frequency converters and high-power electrical control cabinets. Driven by a robust Capacitor induction outer rotor motor with integrated thermal protection, this unit provides a substantial power consumption of 60.0 W at 50 Hz and up to 80.0 W at 60 Hz, operating at a rated speed of 3250 RPM to deliver an extraordinary airflow for critical heat extraction. Constructed with a natural die-cast aluminum frame and a precision-engineered 5-blade all-metal impeller featuring dual ball bearings, this 1800 g unit provides a heavy-duty air-moving solution with a noise level of 65.0 dB(A) and IP56 protection, ensuring maximum cooling performance and long-term mechanical stability for high-power inverters, variable frequency drives (VFD), and industrial switchgear systems in harsh environments at the end.

M180FAN22-1WB Fan Parameters

Model Number: M180FAN22-1WB

Manufacturer: Sinwan

Motor Type: Capacitor induction, outer rotor

Type: AC Axial Fan

Dimensions: 180.0 x 180.0 x 65.0 mm

Weight: 1800 g (3.96 lbs)

Bearing Type: Two ball bearings

Nominal Voltage: 200 / 240 VAC

Frequency: 50 / 60 Hz

Max. Power Consumption: 60.0 W (50 Hz) / 80.0 W (60 Hz)

Max. Current Draw: 0.35 A (50 Hz) / 0.45 A (60 Hz)

Rated Speed: 2750 RPM (50 Hz) / 3250 RPM (60 Hz)

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)

Working Air Flow: 9.3 m³/min (330.0 CFM) / 11.3 m³/min (400.0 CFM)

Static Pressure Increase: 19.05 mmH₂O (0.75 inH₂O) / 20.32 mmH₂O (0.80 inH₂O)

Burnout Protection: Thermally protected

Insulation Resistance: Over 100 MΩ at 500 VDC

Dielectric Strength: 1,500 VAC/min, 0.5 mA, 50/60 Hz

Electrical Hookup: 2 lead wires

Number of Blades: 7

Direction of Rotation: Counter-clockwise (viewed toward rotor)

Airflow Direction: Exhaust over struts

Frame Material: Die-cast aluminum, Natural (AN)

Impeller Material: All metal

Operation Mode: S1 (Continuous operation)

Sound Pressure Level: 65.0 dB(A)

Service Life (L10): 50,000 h at 55 °C

Operating Temperature: -30 - +80 °C

Storage Temperature: -40 - +100 °C (at 65% RH)

Degree of Protection: IP56

Standard Compliance: EN 60950-1; CE

Approval Agency: UL; CUL; TUV

Application

The Sinwan M180FAN22-1WB AC fan is primarily utilized in large-scale industrial frequency converters, high-power inverters, and electrical control cabinet heat dissipation systems for efficient exhaust and cooling in harsh environments.

Product Images









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