

D2E133-CI33-22 ebmpapst 230V 133mm AC Centrifugal Fan

SKU: D2E133-CI33-22

Price: \$389.00

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/d2e133-ci33-22-ebmpapst-230v-133mm-ac-centrifugal-fan/>

Product Description

The ebmpapst D2E133-CI33-22 is a high-performance 230 VAC Dual Inlet AC Centrifugal Fan with an impeller size of 133 mm, specifically engineered for demanding thermal management in industrial frequency converters and high-power VFD cooling systems. This forward-curved dual inlet blower features a integrated housing with a mounting flange for secure installation. Driven by a robust M2E068-CF capacitor-run motor with integrated thermal overload protection, this unit provides a Max. Power Consumption of 175 W at 50 Hz and 190 W at 60 Hz, operating at a rated speed of 2100 RPM to deliver a powerful airflow for efficient heat extraction. Constructed with a hot-galvanised sheet steel housing and a multi-vane impeller featuring precision dual ball bearings and a partially aluminium cast rotor, this 3.1 kg unit provides a dependable air-moving solution with IP44 protection, ensuring maximum cooling performance and long-term mechanical stability for high-power inverters, variable frequency drives, and integrated electrical switchgear systems at the end.

D2E133-CI33-22 Fan Parameters

Model Number: D2E133-CI33-22

Manufacturer: ebmpapst

Motor Model: M2E068-CF (1-phase capacitor motor)

Type: AC Centrifugal Fan (Forward curved, dual inlet)

Housing Type: With housing (flange)

Impeller Size: 133 mm

Weight: 3.1 kg

Bearing Type: Ball bearing

Nominal Voltage: 230 VAC

Frequency: 50 / 60 Hz

Max. Power Consumption: 175 W (50 Hz) / 190 W (60 Hz)
Max. Current Draw: 0.77 A (50 Hz) / 0.84 A (60 Hz)
Starting Current: 0.84 A (50 Hz) / 0.88 A (60 Hz)
Motor Capacitor: 4.0 μ F / 400 VDB
Rated Speed: 1700 RPM (50 Hz) / 2100 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: 675.0 m³/h (50 Hz) / 720.0 m³/h (60 Hz)
Static Pressure Increase: 180 Pa (50 Hz) / 300 Pa (60 Hz)
Min. Back Pressure: 50 Pa (50 Hz) / 200 Pa (60 Hz)
Motor Protection: Thermal overload protector (TOP) wired internally
Insulation Class: Class B
Protection Class: Class I
Electrical Hookup: Axial cable exit
Number of Blades: Multi-vane (Forward-curved)
Direction of Rotation: Counter-clockwise (viewed toward rotor)
Housing Material: Sheet steel, hot-galvanised
Impeller Material: Sheet steel, hot-galvanised
Rotor Surface: Partially cast in aluminium
Operation Mode: S1 (Continuous operation)
Touch Current: < 0.75 mA (IEC 60990)
Operating Temperature: -25 - +35 °C (50 Hz) / -25 - +25 °C (60 Hz)
Storage Temperature: -40 - +80 °C
Degree of Protection: IP44
Standard Compliance: EN 60335-1
Approval Agency: CCC; EAC

Application

The ebmpapst D2E133-CI33-22 AC centrifugal fan is primarily utilized in industrial frequency converters, large-capacity VFD cooling, and cleanroom pressurized ventilation systems for efficient heat extraction.

Product Images









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