D2E146-AP47-C3 ebm-papst 230VAC 146mm Centrifugal Fan Datasheet

Brand: ebmpapst

SKU: 576382733434

Category: Axial & Centrifugal Fans

Price: **$728.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/d2e146-ap47-c3-ebm-papst-230vac-146mm-centrifugal-fan

Product Description

The ebm-papst D2E146-AP47-C3 is a high-performance AC centrifugal fan specifically engineered for the rigorous thermal demands of industrial frequency inverters, notably serving as a direct replacement for ABB drive cooling systems. This double-inlet blower utilizes an advanced external rotor motor configuration that optimizes thermal impedance while delivering exceptional torque stability. Constructed with a robust galvanized sheet steel scroll housing and impeller, the unit ensures superior structural rigidity and vibration damping during operation. The aerodynamic design of the forward-curved blades maximizes airflow throughput against high static pressure, making it ideal for densely packed electronic cabinets. Its maintenance-free ball bearing system guarantees extended service life under continuous duty cycles.

Model Number: D2E146-AP47-C3
Brand: ebm-papst
Product Type: AC Centrifugal Fan (Double Inlet)
Rated Voltage: 230 VAC
Frequency: 50 / 60 Hz
Phase: 1~
Rated Power: 300 W
Rated Current: 1.31 A
Rated Speed: 2050 RPM

Capacitor: 8 µF / 400 VDB
Max. Air Flow: 585 CFM (995 m^3/h)
Max. Static Pressure: 1.60 inH_2O (400 Pa)
Impeller Diameter: 146 mm
Bearing Type: Ball Bearing
Motor Protection: Thermal Overload Protector (TOP)
Insulation Class: F
Ingress Protection: IP20
Housing Material: Galvanized Sheet Steel
Impeller Material: Sheet Steel, Hot-dip Galvanized
Mounting Orientation: Any
Operating Temperature: -25°C to +50°C
Weight: 4.5 kg
Termination: Lead Wires
Compliance: CE, CCC, UL

The D2E146-AP47-C3 is critical for the thermal management of high-power electronics, specifically designed to fit within the chassis of ABB frequency converters and variable speed drives. By maintaining optimal operating temperatures, the D2E146-AP47-C3 prevents thermal throttling and component failure in mission-critical industrial automation setups, renewable energy inverters, and large-scale HVAC control panels.

Supplemental Images


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D2E146-AP47-C3
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