D4E225-CC01-56 ebm-papst 230VAC 225mm Centrifugal Fan Datasheet

Brand: ebmpapst

SKU: 768154045801

Category: Axial & Centrifugal Fans

Price: **$4,285.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/d4e225-cc01-56-ebm-papst-230vac-225mm-centrifugal-fan

Product Description

The ebm-papst D4E225-CC01-56 is a robust AC centrifugal fan engineered for high-pressure industrial ventilation applications. Featuring a dual-inlet forward-curved impeller driven by the reliable M4E074-EI external rotor motor, this unit delivers exceptional aerodynamic efficiency within a compact galvanized sheet steel scroll housing. The motor assembly utilizes precision ball bearings to minimize friction and thermal impedance, ensuring structural rigidity and extended service life under continuous duty. Designed for single-phase networks, the system incorporates an integrated thermal overload protector and requires a run capacitor for optimal phase shifting, making it a staple in demanding thermal management environments.

Model Number: D4E225-CC01-56
Brand: ebm-papst
Product Type: AC Centrifugal Fan / Blower
Motor Type: M4E074-EI (External Rotor)
Rated Voltage: 230 VAC
Frequency: 50 Hz
Rated Current: 1.06 A
Power Consumption: 240 W
Rated Speed: 1280 RPM
Bearing Type: Ball Bearing

Max. Air Flow: 665.1 CFM (1130 m^3/h)
Max. Static Pressure: 28.55 mmH_2O (280 Pa / 1.12 inH_2O)
Impeller Diameter: 225 mm
Capacitor: 8 µF / 400 VDB
Noise Level: 64 dB(A)
Ingress Protection: IP44
Insulation Class: B
Motor Protection: Thermal Overload Protector (TOP) wired internally
Housing Material: Galvanized Sheet Steel
Impeller Material: Sheet Steel, Galvanized
Operating Temperature: -25 °C to +55 °C
Mounting Orientation: Any
Weight: 7.5 kg
Compliance: CE, CCC

The D4E225-CC01-56 is widely utilized in commercial HVAC systems, specifically within air handling units and duct-connected ventilation setups where overcoming high static pressure is required. Its robust construction makes the D4E225-CC01-56 suitable for cooling large-scale power electronics, variable frequency drives (VFDs), and industrial machinery cabinets. Furthermore, this model is frequently integrated into clean room filtration modules and heat exchangers, providing reliable airflow for critical process control and thermal dissipation.