D2D146-BG03-16 ebm-papst 230/400VAC 146mm Centrifugal Fan Datasheet

Brand: ebmpapst

SKU: 978581818075

Category: Axial & Centrifugal Fans

Price: **$642.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/d2d146-bg03-16-ebm-papst-230-400vac-146mm-centrifugal-fan

Product Description

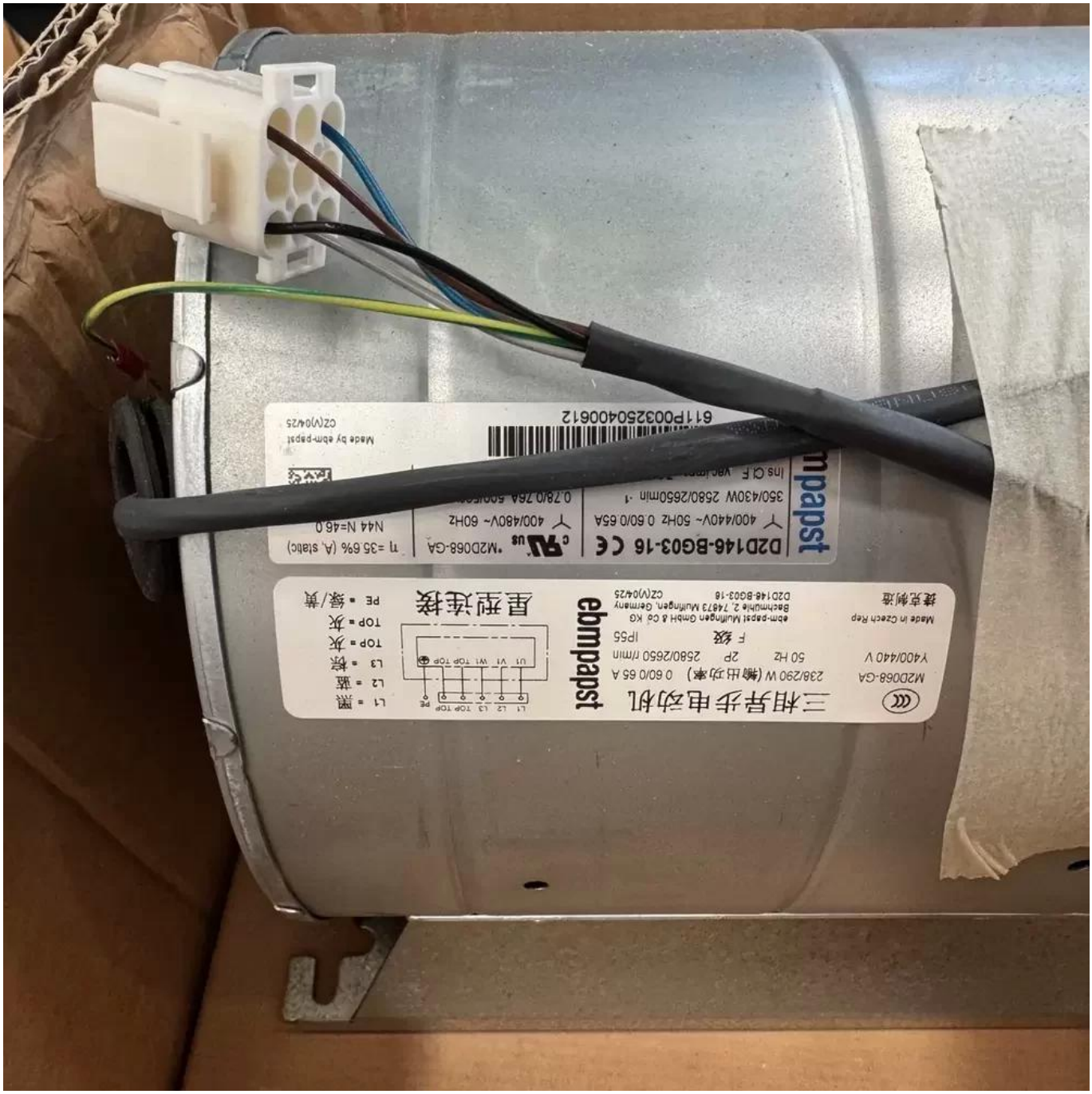
The ebm-papst D2D146-BG03-16 is a robust dual-inlet centrifugal fan engineered for high-demand industrial thermal management. Utilizing an advanced AC external rotor motor design, this unit optimizes aerodynamic efficiency through its forward-curved impeller geometry, ensuring superior airflow delivery against significant static pressure. The construction features a durable galvanized steel housing that provides exceptional structural rigidity and corrosion resistance in harsh environments. Equipped with precision maintenance-free ball bearings, the motor minimizes frictional losses and thermal impedance, guaranteeing a prolonged service life under continuous operation. This blower is specifically calibrated for inverter cooling applications, balancing acoustic performance with high-velocity air movement.

Model Number: D2D146-BG03-16
Brand: ebm-papst
Product Type: Dual Inlet Centrifugal Fan
Rated Voltage: 230 / 400 VAC
Phase: 3-Phase
Frequency: 50 / 60 Hz
Rated Current: 0.36 / 0.21 A
Power Consumption: 125 W
Rated Speed: 1950 RPM

Bearing Type: Ball Bearing
Max. Air Flow: 606 CFM (1030 m^3/h)
Max. Static Pressure: 12.0 mmH_2O (118 Pa)
Impeller Diameter: 146mm
Housing Material: Galvanized Sheet Steel
Impeller Material: Sheet Steel, Galvanized
Motor Type: AC External Rotor
Insulation Class: F
Operating Temperature: -25°C to +60°C
Mounting Orientation: Any
Weight: 4.5 kg
Ingress Protection: IP20
Termination: Terminal Block / Leads
Compliance: CE, RoHS

The D2D146-BG03-16 is extensively utilized in critical industrial cooling systems where reliability is paramount. Its primary deployment is found within frequency inverters and variable speed drive cabinets, where effective heat dissipation is required to protect sensitive power electronics. Additionally, the D2D146-BG03-16 serves as a vital component in ventilation units, clean room technology, and large-scale server rack cooling solutions. The fan's robust design also makes it suitable for machinery cooling in CNC applications and telecommunications infrastructure requiring consistent high-volume airflow.

Supplemental Images


D2D146-BG03-16
ebmpapst
三相异步电动机
星型连接
Made in Czech Rep