

D2D160-BE02-11 ebmpapst 230/400V AC Centrifugal Fan

SKU: D2D160-BE02-11

Price: \$392.70

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/d2d160-be02-11-ebmpapst-230-400v-ac-centrifugal-fan/>

Product Description

The ebmpapst D2D160-BE02-11 is a powerful three-phase AC Forward-Curved Centrifugal Fan with an M2D074-LA motor, designed for heavy-duty thermal management. Measuring 160 mm in size and weighing 10.9 kg, this fan offers dual-voltage and dual-frequency operation. Delta (Δ) Connection at 230 VAC (230/240V) and 50/60 Hz achieves 2700/3000 RPM respectively, with a current draw of 2.20/3.00 A and a power consumption of 700/1055 W. Star (Y) Connection at 400 VAC and 50/60 Hz also achieves 2700/3000 RPM, with a current draw of 1.28/1.70 A and a power consumption of 700/1055 W.

Constructed with a sheet steel, hot-galvanised impeller and housing, and featuring an IP00 degree of protection and Insulation class "F", the fan is designed for durability and anti-vibration mounting. It utilizes a Ball bearing system and has a wide permissible ambient temperature range from -40 °C to +80 °C. The fan is approved to standards including CCC, CSA C22.2 Nr.100, and UL 1004-1. Its primary use is for critical forced air cooling of high-power equipment, particularly inverters and electrical drives.

D2D160-BE02-11 Fan Parameters

Manufacturer: ebmpapst

Model: D2D160-BE02-11

Type: Centrifugal Fan, Forward-Curved, Dual Inlet

Nominal Voltage: 230/400 VAC

Phase: 3~

Frequency: 50/60 Hz

Motor: M2D074-LA

Size: 160 mm

Mass: 10.9 kg

Degree of Protection: IP00

Insulation Class: F

Humidity Class: F2-1

Operation Mode: S1

Motor Bearing: Ball bearing

Touch Current: < 0.75 mA

Electrical Leads: With plug

Motor Protection: Thermal Overload Protector (TOP) brought out

Cable Exit: Axial

Protection Class: I (if protective earth is connected by customer)

Product Conforming to Standard: EN 60335-1; CE

Approval: CCC; CSA C22.2 Nr.100; UL 1004-1

Direction of Rotation: Counter-clockwise, seen on rotor

Mounting Position: Any

Condensate Discharge Holes: None, open rotor

Surface of Rotor: Rotor open, coated in black

Impeller Material: Sheet steel, hot-galvanised

Housing Material: Sheet steel, hot-galvanised

Material of Guard Grille: Steel, galvanised and plastic-coated in white aluminium

Motor Suspension: Motor anti-vibration mounted on both sides

Max Permissible Ambient Temp (transp./storage): + 80 °C

Min Permissible Ambient Temp (transp./storage): - 40 °C

Performance Data (Combined Δ 230 V and Y400 V)

Speed: 2700/3000 RPM

Power Consumption: 700/1055 W

Performance Data (Δ Connection)

Nominal Voltage: 230/240 VAC

Current Draw: 2.20/3.00 A (50/60 Hz)

Performance Data (Y Connection)

Nominal Voltage: 400 VAC

Current Draw: 1.28/1.70 A (50/60 Hz)

Application

This high-specification fan is designed for critical forced air cooling in industrial applications, including the thermal management of high-power inverters, electrical drives, and general HVAC systems where reliable, high-pressure airflow is required.

Product Images







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