

W2D250-EH26-25 ebmpapst 400/480V 250mm AC Axial Fan

SKU: W2D250-EH26-25

Price: \$2,987.46

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/w2d250-eh26-25-ebmpapst-400-480v-250mm-ac-axial-fan/>

Product Description

The ebmpapst W2D250-EH26-25 is a high-performance 400 VAC AC Axial Fan with an impeller size of 250 mm, specifically engineered for demanding thermal management in industrial frequency converters and electrical control cabinets. Driven by a robust three-phase M2D068-DF external rotor motor with a power consumption of 110 W at 50 Hz (2680 RPM) and up to 175 W at 480 VAC/60 Hz (3140 RPM), this precision unit operates at high speeds to deliver maximum airflow for efficient heat extraction. Constructed with a ruggedized die-cast aluminum housing and guard grille (both painted black) and a 5-blade PA6 plastic impeller system featuring high-precision ball bearings and a lateral cable interface, this 5.87 kg unit provides a dependable and energy-efficient air-moving solution with IP54 protection and Class F insulation, ensuring maximum cooling performance and long-term mechanical stability for high-power inverters, variable frequency drives (VFD), and integrated electrical switchgear systems at the end.

W2D250-EH26-25 Fan Parameters

Model Number: W2D250-EH26-25

Manufacturer: ebmpapst

Motor Model: M2D068-DF

Series: W2D 250 Series

Type: AC Axial Fan

Impeller Size: 250 mm

Weight: 5.87 kg

Bearing Type: Ball bearing

Nominal Voltage: 400 VAC / 480 VAC (3-phase)

Wiring: Y (Star) connection

Frequency: 50 / 60 Hz

Power Consumption: 110 W (400V/50Hz) / 175 W (480V/60Hz)

Nominal Current: 0.21 A (400V/50Hz) / 0.25 A (480V/60Hz)

Speed: 2680 RPM (50Hz) / 3140 RPM (60Hz)

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)

Actual Air Flow: 1910 m³/h (50Hz) / 2120 m³/h (60Hz)

Actual Static Pressure: 155 Pa (50Hz) / 190 Pa (60Hz)

Insulation Class: Class F

Electrical Hookup: Lateral cable

Number of Blades: 5

Direction of Rotation: Clockwise, viewed toward rotor

Housing Material: Die-cast aluminum, painted black

Impeller Material: PA6 plastic

Guard Grille Material: Die-cast aluminum

Installation Position: Any (Shaft horizontal preferred)

Operating Temperature: -25 - +55 °C

Storage Temperature: -40 - +80 °C

Degree of Protection: IP54

Standard Compliance: EN 60034-1; EN 60204-1; EN 60335-1

Approval Agency: UL 1004-1; CSA C22.2 No. 100; CE; UKCA

Application

The ebmpapst W2D250-EH26-25 AC fan is primarily utilized in industrial frequency converters, power inverters, and electrical control cabinet heat dissipation systems.

Product Images









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