

# W2D155-FA08-08 ebmpapst 400/480V 155mm AC Axial Fan

**SKU:** W2D155-FA08-08

**Price:** \$2,150.44

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/w2d155-fa08-08-ebmpapst-400-480v-155mm-ac-axial-fan/>

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## Product Description

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The ebmpapst W2D155-FA08-08 is a high-performance 400/480 VAC AC Axial Fan with an impeller size of 155 mm, specifically engineered for demanding thermal management in industrial frequency converters and electrical control cabinets. Driven by a robust three-phase M2D068-BF external rotor motor with a power consumption of 35.0 W at 50 Hz and up to 51.0 W at 480 VAC/60 Hz, this precision unit operates at a high speed of 3100 RPM, delivering a powerful airflow for efficient heat extraction. Constructed with a ruggedized die-cast aluminum housing and a 7-blade sheet steel impeller system (both coated in black) featuring high-precision ball bearings and a 9-lead wire electrical interface, this 2.1 kg unit provides a dependable and energy-efficient air-moving solution with IP65 protection and Class B 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.

W2D155-FA08-08 Fan Parameters

Model Number: W2D155-FA08-08

Manufacturer: ebmpapst

Motor Model: M2D068-BF

Series: W2D 155 Series

Type: AC Axial Fan

Impeller Size: 155 mm

Weight: 2.1 kg

Bearing Type: Ball bearing

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

Wiring: Y (Star) connection

Frequency: 50 / 60 Hz

Power Consumption: 35.0 W (400V/50Hz) / 41.0 W (400V/60Hz) / 51.0 W (480V/60Hz)

Nominal Current: 0.08 A (400V/50Hz) / 0.07 A (400V/60Hz) / 0.09 A (480V/60Hz)

Speed: 2650 RPM (50Hz) / 2900 RPM (400V/60Hz) / 3100 RPM (480V/60Hz)

Max. Air Flow: 62.23 CFM (105.7 m<sup>3</sup>/h / 1.76 m<sup>3</sup>/min)

Max. Static Pressure: 9.81 mmH<sub>2</sub>O (96.24 Pa / 0.39 inH<sub>2</sub>O)

Actual Air Flow: 365.0 m<sup>3</sup>/h (50Hz) / 415.0 m<sup>3</sup>/h (60Hz)

Actual Static Pressure: 125 Pa (50Hz) / 165 Pa (60Hz)

Motor Protection: Thermal overload protector (TOP) internally connected

Insulation Class: Class B

Electrical Hookup: 9 Lead wires

Number of Blades: 5

Direction of Rotation: Counter-clockwise, viewed toward rotor

Airflow Direction: "V" (Exhaust over struts)

Housing Material: Die-cast aluminum, painted black

Impeller Material: Sheet steel, coated in black

Installation Position: Any

Operating Temperature: -25 - +70 °C

Storage Temperature: -40 - +80 °C

Degree of Protection: IP65

Standard Compliance: EN 60335-1; CE; UKCA

Approval Agency: VDE; UL; CSA; CCC; EAC

#### Application

The ebmpapst W2D155-FA08-08 AC fan is primarily utilized in industrial frequency converters, power inverters, and electrical control cabinet heat dissipation systems.

## Product Images

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