

# W2D155-EB08-01 ebmpapst 400V 155mm IP55 AC Axial Fan

**SKU:** W2D155-EB08-01

**Price:** \$1,565.63

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/w2d155-eb08-01-ebmpapst-400v-155mm-ip55-ac-axial-fan/>

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## Product Description

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The ebmpapst W2D155-EB08-01 is a professional-grade 3-phase AC axial fan designed for high-performance thermal management in demanding industrial environments. Featuring a robust 155 mm die-cast aluminum housing and a sickle-shaped sheet steel impeller, this unit is engineered for exceptional durability and vibration-free operation. A key technical feature is its dual-frequency compatibility, delivering a rated speed of 2600 RPM at 400 VAC (50 Hz) and reaching up to 3255 RPM at 480 VAC (60 Hz). With an upgraded IP55 protection rating, the W2D155-EB08-01 is fully protected against dust ingress and low-pressure water jets, making it ideal for cooling frequency converters and telecommunications cabinets in harsh conditions. Powered by an external rotor motor with integrated thermal protection, it ensures reliable S1 continuous operation and consistent air displacement across a wide temperature range of -25 °C to +75 °C.

W2D155-EB08-01 Fan Parameters

Model Number: W2D155-EB08-01

Manufacturer: ebmpapst

Type: 3-Phase AC Axial Fan

Size: 155 mm

Dimensions: 196 x 196 x 126.2 mm

Weight: 3.8 kg

Bearing Type: Ball bearing

Nominal Voltage: 400 / 480 VAC

Voltage Range: 380 - 480 VAC

Phase: 3~

Frequency: 50 / 60 Hz

Power Consumption: 36 W (@ 50 Hz) / 40 W (@ 60 Hz)  
Nominal Current: 0.09 A / 0.09 A  
Maximum Current: 0.13 A  
Speed: 2600 RPM (@ 50 Hz) / 3255 RPM (@ 60 Hz)  
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: 310 m<sup>3</sup>/h (@ 50 Hz) / 375 m<sup>3</sup>/h (@ 60 Hz)  
Actual Static Pressure: 115 Pa (@ 50 Hz) / 135 Pa (@ 60 Hz)  
Sound Power Level: 6.8 Bel(A)  
Sound Pressure Level: 61 dB(A)  
Motor Design: External rotor motor  
Motor Protection: Thermal overload protector (TOP) internally connected  
Insulation Class: Class F  
Electrical Hookup: Terminal strips  
Number of Blades: 5  
Direction of Rotation: Counter-clockwise, viewed toward rotor  
Airflow Direction: Intake over struts  
Impeller Material: Sheet steel, painted black  
Housing Material: Die-cast aluminum, painted black  
Installation Position: Any  
Degree of Protection: IP55  
Operating Temperature: -25 - +75 °C  
Service Life (L10 @ 40 °C): 70000 h  
Standard Compliance: EN 60335-1, CE  
Approval Agency: VDE, CCC, UL, CSA

#### Application

The ebmpapst W2D155-EB08-01 axial fan is primarily utilized in frequency converter cooling, high-power telecommunications cabinets, industrial switchgears, and specialized machinery cooling systems.

## Product Images

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