

# W2D210-EA10-22 ebmpapst 400/480V 210mm AC Axial Fan

**SKU:** W2D210-EA10-22

**Price:** \$2,989.83

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/w2d210-ea10-22-ebmpapst-400-480v-210mm-ac-axial-fan/>

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## Product Description

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The ebmpapst W2D210-EA10-22 is a heavy-duty industrial AC axial fan with a nominal voltage of 400/480 VAC and an impeller size of 210 mm, specifically engineered for high-performance cooling in industrial switchgears and power electronics. Driven by a robust three-phase M2D068-CF external rotor motor with a power consumption of 87 W at 50 Hz and 130 W at 60 Hz in a Star (Y) connection, this unit features a premium ball bearing system designed for long-term mechanical stability and continuous S1 duty. Its aerodynamic design with 5 sheet-steel blades delivers high-velocity airflow in an "A" direction (suction over struts), reaching speeds up to 3250 RPM at 60 Hz. Constructed with a die-cast aluminum housing and an integrated guard grille made of phosphated steel with black plastic coating, this 4.3 kg fan provides a dependable and exceptionally durable cooling solution with IP44 protection and Class F insulation for frequency converters, medical imaging systems, and rugged industrial machinery at the end.

W2D210-EA10-22 Fan Parameters

Model Number: W2D210-EA10-22

Manufacturer: ebmpapst

Motor Model: M2D068-CF

Series: W2D Series

Type: AC Axial Fan

Impeller Size: 210 mm

Weight: 4.3 kg

Bearing Type: Ball bearing

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

Wiring: Star (Y)

Frequency: 50 / 60 Hz

Power Consumption: 87 W (400V 50Hz) / 130 W (480V 60Hz)

Nominal Current: 0.25 A (400V 50Hz) / 0.27 A (480V 60Hz)

Speed: 2750 RPM (50 Hz) / 3250 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: Not specified (kv data)

Motor Design: Three-phase AC external rotor motor

Insulation Class: Class F

Electrical Hookup: Lateral cable

Number of Blades: 5

Direction of Rotation: Clockwise, viewed toward rotor

Airflow Direction: "A" (Suction over struts)

Impeller Material: Sheet steel, painted black

Housing Material: Die-cast aluminum, painted black

Guard Grille Material: Die-cast aluminum; Steel, phosphated and plastic-coated (RAL 9005)

Installation Position: Shaft horizontal

Degree of Protection: IP44

Environmental Protection: F2-2

Operating Temperature: -25 °C (Min.)

Storage Temperature: -15 - +60 °C

Standard Compliance: EN 60335-1; CE

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

#### Application

The ebmpapst W2D210-EA10-22 AC fan is primarily utilized in industrial control cabinets, frequency converters, high-power medical equipment, and telecommunications infrastructure.

## Product Images

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Scan for product details:

