

# W2D250-EA26-21 ebmpapst 400/480V 250mm AC Axial Fan

**SKU:** W2D250-EA26-21

**Price:** \$2,989.83

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/w2d250-ea26-21-ebmpapst-400-480v-250mm-ac-axial-fan/>

---

## Product Description

---

The ebmpapst W2D250-EA26-21 is a high-capacity industrial AC axial fan with a nominal voltage of 400/480 VAC and an impeller size of 250 mm, specifically engineered for extreme thermal management in high-temperature industrial environments and power electronics. Driven by a robust three-phase M2D068-DF external rotor motor with a power consumption of 140 W at 400 VAC (50 Hz) and 220 W at 480 VAC (60 Hz) in a Star (Y) connection, this unit features a heavy-duty ball bearing system designed for continuous S1 duty even at ambient temperatures up to 100 °C. Its aerodynamic design with 5 black-painted sheet steel blades delivers a powerful airflow in an "A" direction (suction over struts), reaching speeds of 2920 RPM at 60 Hz. Constructed with a durable black-painted die-cast aluminum housing and guard grille, this 5.95 kg fan provides a dependable and rugged cooling solution with IP44 protection and H1+ environmental class for industrial furnaces, commercial kitchen equipment, and heavy-duty telecommunications infrastructure at the end.

W2D250-EA26-21 Fan Parameters

Model Number: W2D250-EA26-21

Manufacturer: ebmpapst

Motor Model: M2D068-DF

Motor Size: 68

Series: W Series

Type: AC Axial Fan

Impeller Size: 250 mm

Weight: 5.95 kg

Bearing Type: Ball bearing

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

Wiring: Star (Y)

Frequency: 50 / 60 Hz

Power Consumption: 140 W (50 Hz) / 220 W (60 Hz)

Nominal Current: 0.25 A (50 Hz) / 0.30 A (60 Hz)

Speed: 2520 RPM (50 Hz) / 2920 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)

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; BS-AS)

Impeller Material: Sheet steel, painted black

Housing Material: Die-cast aluminum, painted black

Guard Grille Material: Die-cast aluminum

Installation Position: Shaft horizontal

Degree of Protection: IP44

Environmental Protection: H1+

Operating Temperature: -25 - +100 °C (50 Hz) / -25 - +75 °C (60 Hz)

Storage Temperature: -40 - +80 °C

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

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

#### Application

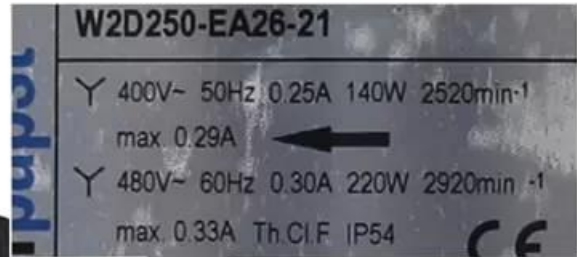
The ebmpapst W2D250-EA26-21 AC fan is primarily utilized in industrial furnaces, high-temperature commercial kitchen ventilation, power electronic cooling, and heavy-duty industrial control cabinets.

## Product Images

---







---

Scan for product details:

