

# 4184NMCR-110 ebmpapst 24V 0.17A 119x119x38mm DC Axial Fan

**SKU:** 4184NMCR-110

**Price:** \$169.99

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/4184nmcr-110-ebmpapst-24v-0-17a-119x119x38mm-dc-axial-fan/>

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## Product Description

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The ebmpapst 4184NMCR-110 (VUCF119YJKZ/9294310110) is a high-performance 24 V DC Axial Fan with dimensions of 119 x 119 x 38 mm, specifically engineered for critical thermal management in Siemens Industrial Frequency Converters and high-power VFD cooling systems. Driven by an electronically commutated external rotor motor with integrated locked-rotor and reverse polarity protection, this unit provides a precise Max. Power Consumption of 4.0 W and a Max. Current Draw of 0.17 A at 24 V DC. Featuring a heavy-duty metal housing and a 5-blade glass-fiber reinforced PA plastic impeller, it incorporates precision stainless steel ball bearings and improved humidity protection ("R") for maximum reliability in harsh environments. This 380 g unit is a direct-replacement cooling solution for high-power inverters, ensuring long-term mechanical stability for integrated industrial switchgear systems at the end.

4184NMCR-110 Fan Parameters

Model Number: 4184NMCR-110

New Type: VUCF119YJKZ

Part Number: 9294310110

Manufacturer: ebmpapst

Type: DC Axial Fan

Dimensions: 119.0 x 119.0 x 38.0 mm

Weight: 380 g

Bearing Type: Ball bearing (Stainless steel)

Nominal Voltage: 24 V DC

Voltage Range: 12.0 - 30.0 V DC

Max. Power Consumption: 4.0 W

Max. Current Draw: 0.17 A (170 mA)

Rated Speed: 2800 RPM

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)

Working Air Flow: 160.0 m<sup>3</sup>/h (94.2 CFM)

Static Pressure Increase: 75 Pa

Motor Protection: Electronic locked rotor and reverse polarity protection

Insulation Class: Class E

Electrical Hookup: Integrated connector on the housing

Number of Blades: 5

Direction of Rotation: Clockwise (viewed toward rotor)

Airflow Direction: Intake over struts

Housing Material: Metal

Impeller Material: Glass-fiber reinforced PA plastic

Mounting Features: 4 inserts M3 on base plate flange side

Operation Mode: S1 (Continuous operation)

Sound Pressure Level: 44.0 dB(A)

Service Life (L10): 70,000 h (at 40 °C) / 12,500 h (at 85 °C)

Operating Temperature: -30 - +85 °C

Degree of Protection: Improved Humidity protection ("R") / IP68

Standard Compliance: EN 60335-1; CE; EMI Optimized

Approval Agency: VDE; CSA; UL; CE

#### Application

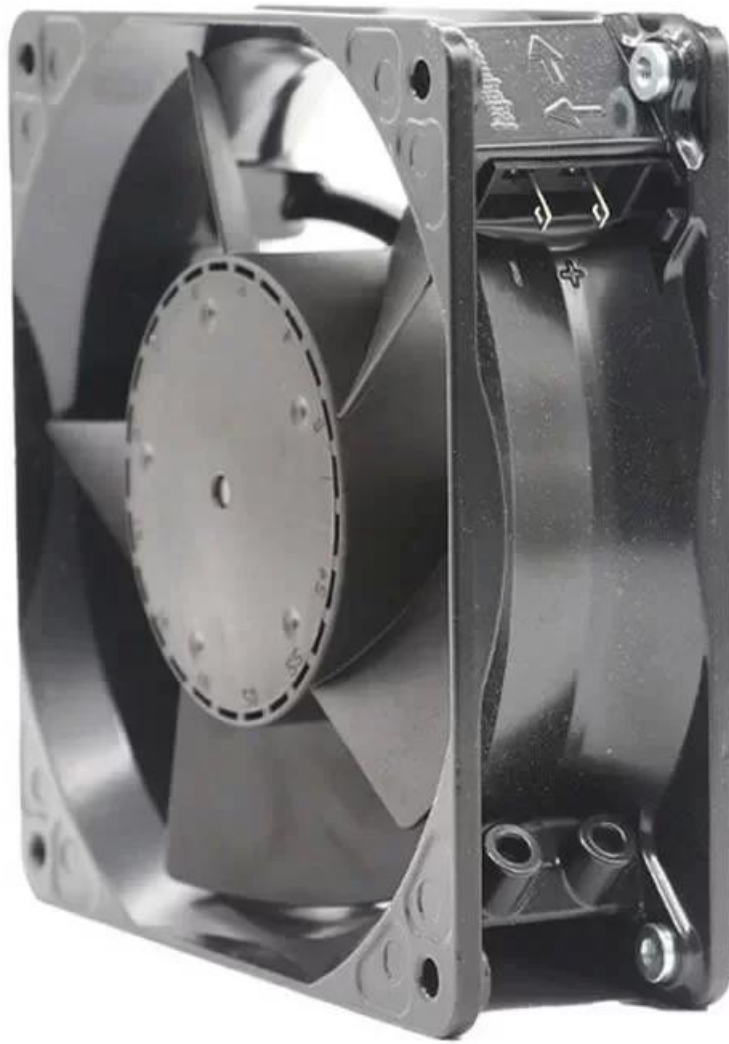
The ebmpapst 4184NMCR-110 DC fan is the primary cooling component for Siemens SINAMICS drive systems, specialized industrial frequency converters, and high-capacity VFD cabinets in high-humidity industrial environments.

## Product Images

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Scan for product details:

