

# 4184N/17X ebmpapst 24V DC Axial Fan

**SKU:** 4184N/17X

**Price:** \$103.61

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/4184n-17x-ebmpapst-24v-dc-axial-fan/>

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## Product Description

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The ebmpapst 4184N/17X is a high-performance DC Axial Fan measuring 119x119x38mm. It operates on a 24VDC nominal voltage, with a wide operating voltage range from 18V to 32V. At nominal voltage, it consumes 5.9W of power and draws 245mA of current. The fan achieves a speed of 3200 RPM and delivers a maximum free-air flow of 168 m<sup>3</sup>/h (98.88 CFM) with a maximum static pressure of 100 Pa. The sound pressure level at free air flow is 49 dB(A), and the sound power level at the optimal operating point is 5.6 bel(A).

It features a durable ball bearing system, a metal housing, and a plastic impeller. The fan is designed for operation in ambient temperatures from -30°C to 75°C. It includes electronic functions such as speed control, reverse polarity protection with a rectifying diode, and auto-restart locked rotor protection. It also provides an alarm output for monitoring, with a trip speed limit of 1500 1/min. The fan has extensive approvals including CE, EAC, UL, VDE, and CSA.

### 4184N/17X Fan Parameters

Model: 4184 N/17X

Manufacturer: ebmpapst

Type: DC Axial Fan

Dimensions: 119.0 x 119.0 x 38.0 mm

Mass: 0.390 kg

Nominal Voltage: 24 VDC

Voltage Range: 18 - 32 VDC

Power Consumption (at 24V): 5.9 W

Current Consumption (at 24V): 245 mA

Starting Current Consumption: 1200 mA

Fan Speed (at 24V): 3200 RPM

Max. Free-Air Flow: 168.0 m<sup>3</sup>/h (98.88 CFM)

Max. Static Pressure: 100 Pa

Sound Power Level (at optimal operating point): 5.6 bel(A)  
Sound Pressure Level (at free air flow): 49.0 dB(A)  
Min. Ambient Temperature (Operating): -30 °C  
Max. Ambient Temperature (Operating): 75 °C  
Min. Storage Temperature: -40 °C  
Max. Storage Temperature: 80 °C  
Bearing System: Ball bearing  
Housing Material: Metal  
Impeller Material: Plastic  
Rotating Direction: Clockwise (looking at rotor)  
Airflow Direction: Air intake over struts  
Mounting Position: Any (shaft)  
Electrical Connection: Plug  
Lead Wire Length: 310 mm (+- 10.0 mm)  
Electronic Function: Speed-Controlled  
Reversed Polarity Protection: Rectifying diode  
Locked Rotor Protection: Auto restart  
Locked Rotor Current: Approx. 1200 mA  
Alarm Operating Voltage:  $\leq 60$  V  
Alarm Signal Low:  $\leq 0.4$  V (I sink: 2 mA)  
Max. Sink Current (Alarm): 20 mA  
Alarm Start-up Delay Time:  $\leq 15$  s  
Alarm Trip Speed Limit: 1500 1/min (+-100 1/min)  
Protection Class: III  
Approvals: CE, EAC, UL (UL507), VDE (EN 60950), CSA (C22.2 No. 113)  
Application: Industrial automation, IT and server cooling, Medical devices, General electronics cooling

## **Product Images**

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ebmpapst

**VarioPro®4184 N/17X**

24V  $\approx$  DC 0.25A 5.9W

( 18-32V  $\approx$  DC )

ALARM: WH

EP

96 94300322

ebm-papst St.Georgen

Hungary (C)

50.20



EAC

VarioPro®4184 N/17X

24V  $\approx$  DC 0.25A 5.9W

( 18-32V  $\approx$  DC )

ALARM: WH

EP

ebmpapst

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