

# PVA080F12H-P09-BE Foxconn 12VDC 80x80x20mm PWM Axial Fan Datasheet



**Brand:** Foxconn

**SKU:** [747520191613](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$9.99**

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Product Page:

<https://www.equipspares.com/product/pva080f12h-p09-be-foxconn-12vdc-80x80x20mm-pwm-axial-fan>

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## Product Description

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The Foxconn PVA080F12H-P09-BE is a precision-engineered DC Axial Fan designed for critical thermal management applications requiring active speed modulation and reliability. Operating at a nominal 12VDC, this unit integrates a sophisticated 4-wire PWM control interface, allowing for dynamic RPM adjustment based on real-time thermal loads to optimize the acoustic-performance ratio. The chassis features a standard 80x80x20mm form factor constructed from reinforced thermoplastics, ensuring structural rigidity under high-velocity operation. Internally, the motor assembly utilizes advanced bearing technology to minimize friction and extend mean time between failures (MTBF), while the aerodynamic impeller design reduces turbulence and lowers thermal impedance within high-density electronic enclosures.

Model Number: PVA080F12H-P09-BE

Brand: Foxconn

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 0.36 A

Input Power: 4.32 W

Rated Speed: 4200 RPM

Bearing Type: Hydro Dynamic Bearing

Max. Air Flow: 44.1 CFM (74.9 m<sup>3</sup>/h / 1.25 m<sup>3</sup>/min)  
Max. Static Pressure: 5.08 mmH<sub>2</sub>O (49.8 Pa / 0.20 inH<sub>2</sub>O)  
Dimensions: 80 x 80 x 20 mm  
Weight: 85 g  
Termination: 4-Wire Leads  
Connector: Standard 4-Pin PWM Header  
Speed Control: PWM (Pulse Width Modulation)  
Sensor: Tachometer Output (FG Signal)  
Housing Material: PBT Thermoplastic (UL94V-0)  
Impeller Material: PBT Thermoplastic (UL94V-0)  
Operating Temperature: -10°C to +70°C  
Storage Temperature: -40°C to +70°C  
Life Expectancy: 60,000 Hours at 40°C  
Noise Level: 36.5 dBA

This cooling solution is engineered for deployment in compact server chassis and workstation environments where space constraints meet high thermal density. The PVA080F12H-P09-BE excels in rack-mounted equipment, providing necessary airflow to dissipate heat from CPU heatsinks and power supply units. Additionally, the precise PWM control makes the PVA080F12H-P09-BE ideal for medical instrumentation and industrial automation controllers, where variable speed operation ensures stability without generating excessive acoustic noise during idle states.

## Supplemental Images

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