

## ebm-papst A2E200-AF02-02

# EBM-PAPST A2E200-AF02-02 AC Axial Fan User Manual

Model: A2E200-AF02-02

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your EBM-PAPST A2E200-AF02-02 AC Axial Fan. Please read this manual thoroughly before using the product and retain it for future reference.

## 2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury and damage to the product:

- **Electrical Safety:** Ensure the power supply matches the fan's specifications (voltage and frequency). Disconnect power before installation, maintenance, or cleaning.
- **Installation:** Install the fan in a stable and secure location. Avoid placing fingers or objects near moving parts during operation.
- **Environment:** Do not expose the fan to excessive moisture, dust, or extreme temperatures outside its operating range.
- **Qualified Personnel:** Installation and electrical connections should be performed by qualified personnel in accordance with local electrical codes.

## 3. SETUP AND INSTALLATION

### 3.1 Unpacking

Carefully remove the fan from its packaging. Inspect the fan for any signs of damage during transit. If damage is found, do not proceed with installation and contact your supplier.

### 3.2 Mounting

The EBM-PAPST A2E200-AF02-02 fan is designed for integration into systems requiring forced air cooling, such as desktop computer cases or industrial enclosures. Ensure adequate clearance for airflow around the fan.

- Secure the fan using appropriate screws or mounting hardware (not included) through the designated

mounting holes.

- Ensure the fan is mounted firmly to prevent vibration and noise during operation.
- Observe the airflow direction indicated on the fan (if present) to ensure proper cooling for your application.

*Image: Diagram showing fan mounting orientation and screw points. (Image not provided)*

This image would typically illustrate the correct orientation for mounting the fan, highlighting the screw holes and indicating the direction of airflow for optimal cooling performance within a system.

### 3.3 Electrical Connection

The fan utilizes a 3-Pin power connector. Connect this to a compatible power source within your system.

- Ensure the power supply is off before making any electrical connections.
- Connect the 3-Pin connector securely to the corresponding header on your motherboard or power supply unit.
- Verify that the connection is firm to prevent intermittent operation or damage.

*Image: Close-up of the 3-Pin power connector. (Image not provided)*

This image would show a detailed view of the 3-Pin power connector, helping users identify it and ensure correct connection to their system's power source.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Power On/Off

Once properly installed and connected, the fan will begin operating when power is supplied to the system. There is no separate on/off switch for the fan itself; its operation is controlled by the system it is connected to.

### 4.2 Intended Use

This AC axial fan is designed for general cooling applications, primarily within desktop computer systems or other electronic enclosures where efficient air movement is required to dissipate heat from components.

## 5. MAINTENANCE

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Regular maintenance ensures optimal performance and extends the lifespan of your fan.

### 5.1 Cleaning

- **Frequency:** Clean the fan blades and housing periodically, depending on the operating environment (e.g., every 3-6 months).
- **Procedure:** Disconnect power to the system. Use compressed air or a soft brush to gently remove dust and debris from the fan blades and grille. Avoid using liquids or harsh chemicals.

*Image: Fan being cleaned with compressed air. (Image not provided)*

This image would demonstrate the safe method of cleaning the fan, such as using a can of compressed air to remove dust from the blades and internal components.

### 5.2 Inspection

Periodically inspect the fan for any signs of wear, such as loose wires, damaged blades, or unusual noises during operation. Address any issues promptly.

## 6. TROUBLESHOOTING

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If you encounter issues with your EBM-PAPST A2E200-AF02-02 fan, refer to the following table:

Problem	Possible Cause	Solution
Fan not spinning	No power; loose connection; faulty fan.	Check power supply to the system. Ensure 3-Pin connector is secure. Test with a known working fan or power source.
Excessive noise/vibration	Loose mounting; debris in fan blades; worn bearings.	Tighten mounting screws. Clean fan blades. If noise persists, fan may need replacement.
Insufficient cooling	Blocked airflow; incorrect fan orientation; fan operating below optimal speed.	Ensure clear path for airflow. Verify fan is oriented correctly for desired airflow. Check system settings for fan speed control (if applicable).

## 7. SPECIFICATIONS

Key technical specifications for the EBM-PAPST A2E200-AF02-02 AC Axial Fan:

Feature	Detail
Brand	ebm-papst
Model	A2E200-AF02-02
Power Connector Type	3-Pin
Cooling Method	Forced Air
Compatible Devices	Desktop
Material	Copper
Maximum Rotational Speed	2500 RPM
Item Weight	6.99 pounds
UPC	013415011257
ASIN	B07VQVCKPP

## 8. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or replacement parts, please contact EBM-PAPST directly or refer to their official website. Keep your purchase receipt as proof of purchase.

**EBM-PAPST Official Website:** [www.ebmpapst.com](http://www.ebmpapst.com)