

Airmaster I-24W2A

Airmaster Fan I-24W2A (3-SP) 24-Inch Wall/Ceiling Fan Instruction Manual

Model: I-24W2A (3-SP)

INTRODUCTION

Thank you for choosing the Airmaster Fan I-24W2A (3-SP) 24-Inch Wall/Ceiling Fan. This manual provides essential information for the safe installation, operation, and maintenance of your fan. Please read these instructions thoroughly before installation and use, and retain them for future reference.

This industrial-grade fan is designed for efficient air circulation in various settings, featuring a robust galvanized steel propeller and a totally enclosed air over ball bearing motor for durability and performance.

IMPORTANT SAFETY INFORMATION

Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and injury to persons.

- Ensure the power supply matches the fan's voltage (115V, 1 Phase).
- Disconnect power before servicing or cleaning the fan.
- Do not operate any fan with a damaged cord or plug.
- Keep hands, hair, and clothing away from moving parts.
- The fan guard meets OSHA standards for safety. Do not remove or tamper with the guard.
- This fan is designed for wall or ceiling mounting. Ensure the mounting surface can support the fan's weight (approximately 44 lbs).
- Do not use this fan in wet locations or where flammable liquids or gases are present.

PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Airmaster Fan I-24W2A (3-SP) Unit (24-inch diameter)
- Wall/Ceiling Mounting Bracket

- 15-foot Three Conductor Supply Cord with Plug
- Remote Control (if included with your specific model)
- Instruction Manual

SETUP AND INSTALLATION

This fan is designed for permanent wall or ceiling mounting. Professional installation is recommended.

Mounting Location

- Choose a sturdy wall stud or ceiling joist capable of supporting the fan's weight (44 lbs) and operational forces.
- Ensure adequate clearance around the fan for optimal airflow and safety.
- Avoid locations where the fan could be easily struck or where its operation might interfere with other equipment.

Mounting Procedure

1. **Secure the Mounting Bracket:** Position the wall/ceiling mounting bracket on the chosen surface. Mark the drilling points. Drill pilot holes appropriate for your mounting hardware (not included). Securely fasten the bracket using heavy-duty screws and anchors suitable for the mounting surface.
2. **Attach the Fan Unit:** Carefully lift the fan unit and align its mounting points with the bracket. Secure the fan to the bracket using the provided hardware. Ensure all bolts are tightened to prevent vibration and movement during operation.
3. **Electrical Connection:** The fan comes with a 15-foot three-conductor supply cord and plug. Plug the fan into a grounded 115V, 1 Phase electrical outlet. Ensure the outlet is easily accessible and protected by a circuit breaker.



Figure 1: Side view illustrating the fan's mounting bracket and motor. This image shows the fan attached to its wall/ceiling mount, highlighting the robust construction of the bracket and the motor housing.



Figure 2: Front view of the Airmaster I-24W2A fan. This image displays the fan's 24-inch diameter, the protective wire guard, and the three galvanized steel propeller blades.

OPERATING INSTRUCTIONS

The Airmaster I-24W2A (3-SP) fan features a 3-speed motor for adjustable airflow.

Powering On/Off

- Ensure the fan is securely mounted and plugged into a grounded 115V outlet.

- Locate the speed control switch, typically located on the motor housing or via the remote control (if applicable).
- Turn the switch to the desired speed setting (Low, Medium, High) to start the fan.
- To turn off the fan, set the switch to the "Off" position.

Speed Settings

The fan offers three speed settings to control the airflow:

- **Low:** For gentle air circulation.
- **Medium:** For moderate airflow.
- **High:** For maximum air movement (up to 5220 CFM).

This model is non-oscillating, meaning it directs airflow in a fixed direction once positioned.

MAINTENANCE

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

Cleaning

- **Always disconnect power before cleaning.**
- Use a soft, damp cloth to wipe down the exterior surfaces of the fan, including the motor housing and guard.
- For the fan blades, use a soft brush or vacuum cleaner attachment to remove dust and debris. Do not bend the blades.
- Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or components.
- Ensure the fan is completely dry before reconnecting power.

Inspection

- Periodically inspect the power cord for any signs of damage, fraying, or cuts. If damaged, replace it immediately.
- Check the mounting hardware for tightness. Tighten any loose screws or bolts to prevent excessive vibration.
- Ensure the fan guard is securely in place and not damaged.

The motor is a totally enclosed air over ball bearing type and typically does not require lubrication.

TROUBLESHOOTING

Before performing any troubleshooting, ensure the fan is disconnected from the power source.

Problem	Possible Cause	Solution
Fan does not start	No power to the outlet Fan switch is off Damaged power cord/plug	Check circuit breaker/fuse. Test outlet with another device. Ensure switch is set to a speed setting. Inspect cord and plug for damage. Replace if necessary.
Reduced airflow	Fan blades or guard are dirty Incorrect speed setting	Clean blades and guard as per maintenance instructions. Increase speed setting.

Problem	Possible Cause	Solution
Excessive noise or vibration	Loose mounting hardware	Tighten all mounting bolts and screws.
	Debris caught in blades	Disconnect power and carefully remove any debris.
	Damaged blades	Inspect blades for bends or cracks. Contact support if damaged.
Fan stops unexpectedly	Overheating (thermal overload)	Disconnect power, allow fan to cool for 30 minutes, then restart. Ensure adequate ventilation around motor.
	Power interruption	Check power supply.

SPECIFICATIONS

Model	I-24W2A (3-SP)
Brand	Airmaster
Fan Type	Wall/Ceiling Mount Fan
Diameter	24 Inches
Airflow (CFM)	5220 CFM
Horsepower (HP)	1/3 HP
Speeds	3 Speed
Voltage	115V, 1 Phase
Motor Type	Totally Enclosed Air Over Ball Bearing
Propeller Material	Galvanized Steel
Features	Non-oscillating, Guard Meets OSHA Standards, UL/CUL Listed
Power Cord	15 Foot Three Conductor Supply Cord and Plug
Item Weight	44 Pounds
Included Components	Remote (if applicable)

WARRANTY AND SUPPORT

Warranty Information

The Airmaster Fan I-24W2A (3-SP) comes with a **3-Year Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, please refer to the official Airmaster documentation or contact customer support.

Customer Support

If you have any questions, require technical assistance, or need to report a problem with your Airmaster fan, please contact Airmaster customer support. You can find contact information on the official Airmaster website or through your

retailer.

For more information about Airmaster products, visit the [Airmaster Store](#).

