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> GAF Master Flow 1500 CFM Roof Mount Attic Fan with Thermostat (Model ERV6SMWW) User Manual

## Master Flow ERV6SMWW

# GAF Master Flow 1500 CFM Roof Mount Attic Fan User Manual

Model: ERV6SMWW

Brand: Master Flow

## 1. INTRODUCTION

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This manual provides essential information for the safe and efficient installation, operation, and maintenance of your GAF Master Flow 1500 CFM Roof Mount Attic Fan, Model ERV6SMWW. This power roof vent is designed to improve attic ventilation, reduce heat buildup, and contribute to lower energy costs by efficiently removing hot, humid air from your attic space. Please read all instructions carefully before proceeding with installation or operation.



## 2. SAFETY INFORMATION

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**WARNING: Risk of Electric Shock. Disconnect power before servicing.**

- Always disconnect power at the circuit breaker or fuse box before installing, servicing, or cleaning the fan.
- Installation should be performed by a qualified electrician or experienced professional in accordance with all local electrical codes and building regulations.
- Wear appropriate personal protective equipment, including gloves and eye protection, during installation.
- Ensure proper grounding of the unit to prevent electrical hazards.
- Do not operate the fan if any part is damaged or if the wiring is exposed.
- Keep hands and foreign objects away from the fan blades during operation.

## 3. PACKAGE CONTENTS

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Verify that all components are present before beginning installation:

- GAF Master Flow 1500 CFM Roof Mount Attic Fan unit
- Integrated Thermostat (PT6 style)
- Installation hardware (screws, nails, etc. - may vary)
- Instruction Manual (this document)

## 4. SETUP AND INSTALLATION

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Proper installation is crucial for the performance and longevity of your attic fan. It is recommended that installation be performed by a professional.

### 4.1 Site Selection

Choose a location on the roof that allows for optimal airflow and is free from obstructions. The fan should be installed near the highest point of the roof to effectively exhaust hot air.

### 4.2 Roof Opening Preparation

1. Mark and cut a circular opening in the roof decking according to the fan's base dimensions.
2. Ensure the opening is clean and free of debris.

### 4.3 Mounting the Fan

1. Position the fan base over the prepared opening, ensuring the flashing is properly integrated with the roof shingles to prevent leaks.
2. Secure the fan base to the roof decking using appropriate roofing nails or screws, sealing all fasteners with roofing cement.
3. Ensure the fan is level and securely fastened.



Figure 2: Example of the attic fan installed on a shingled roof.

#### 4.4 Electrical Wiring

The fan includes an integrated thermostat for automatic operation. Wiring must comply with all local electrical codes.

1. Run appropriate electrical conduit and wiring from a dedicated circuit breaker to the fan's junction box.
2. Connect the fan's wiring to the household electrical supply, ensuring proper grounding. Refer to the wiring diagram provided with the unit for specific connections.
3. Secure all wiring connections within the junction box.



Figure 3: Master Flow adjustable temperature thermostat (Model PT6).

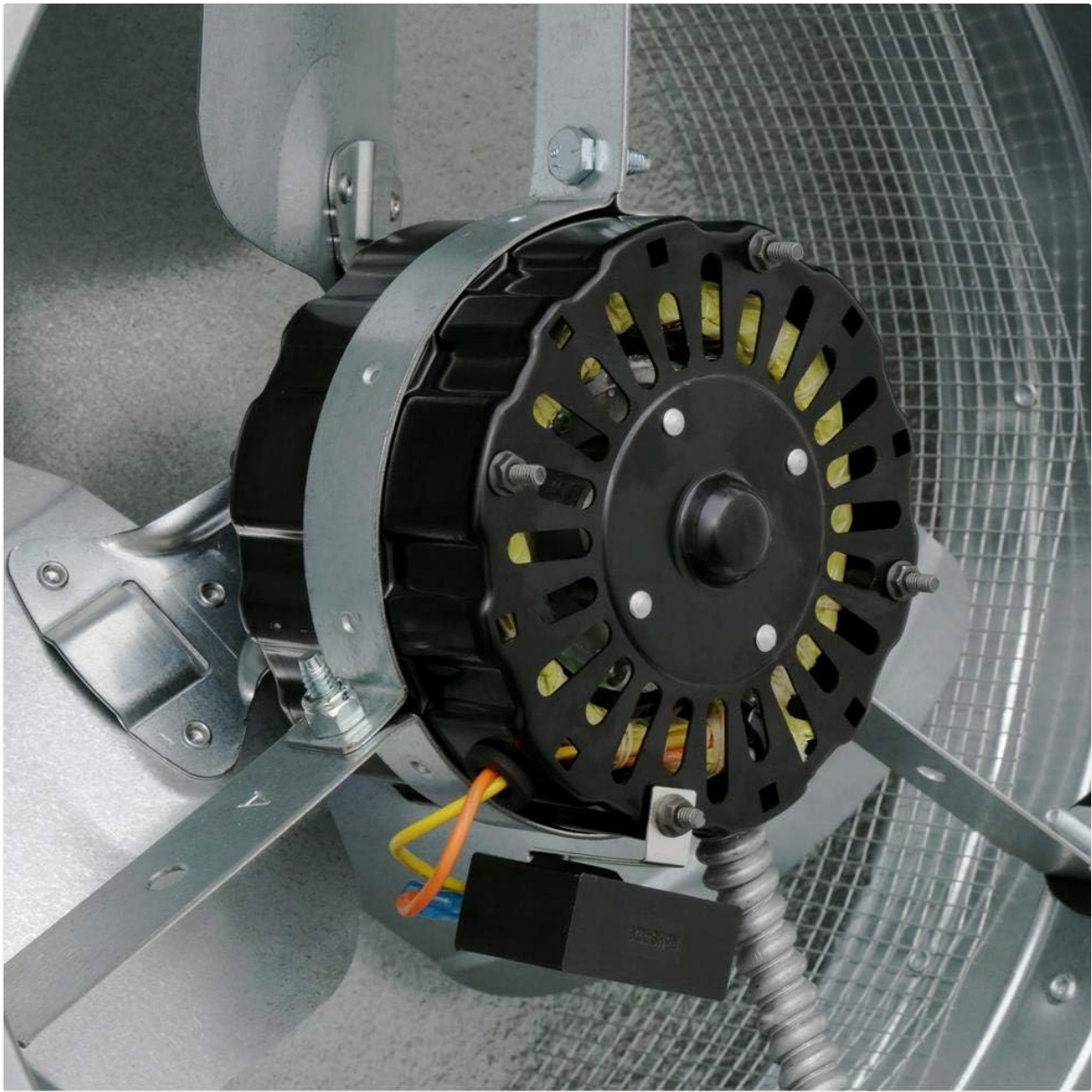


Figure 4: Detailed view of the fan motor and electrical connections.



Figure 5: Underside view of the fan blades and motor assembly.

## 5. OPERATING INSTRUCTIONS

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The GAF Master Flow attic fan operates automatically based on the integrated thermostat setting.

### 5.1 Thermostat Adjustment

The thermostat controls when the fan turns on and off. It is typically adjustable from 60°F to 120°F (15°C to 49°C).

1. Locate the thermostat control dial, usually found within the fan housing or accessible from the attic.
2. Rotate the dial to set the desired temperature at which the fan should activate. A common setting is between 90°F and 100°F (32°C and 38°C).
3. The fan will automatically turn on when the attic temperature exceeds the set point and turn off when the temperature drops below it.

## 6. MAINTENANCE

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

- **Annual Inspection:** Annually, inspect the fan for any loose connections, debris accumulation, or signs of wear. Ensure the fan blades spin freely.
- **Cleaning:** Carefully clean any dust or debris from the fan blades and motor housing. Ensure power is disconnected before cleaning.
- **Roof Seal Inspection:** Periodically check the roof flashing and sealant around the fan base for any cracks or deterioration that could lead to leaks. Repair as necessary.
- **Electrical Check:** Verify that all electrical connections remain secure and free from corrosion.

## 7. TROUBLESHOOTING

If your GAF Master Flow attic fan is not operating as expected, consult the following table before contacting customer support.

Problem	Possible Cause	Solution
Fan does not turn on	No power to the unit	Check circuit breaker or fuse. Ensure power is supplied to the fan.
	Thermostat setting is too high	Lower the thermostat setting. The attic temperature may not have reached the activation point.
	Faulty wiring or component	Inspect wiring for loose connections. If issues persist, consult a qualified electrician.
Fan runs continuously	Thermostat setting is too low	Raise the thermostat setting.
	Faulty thermostat	If the thermostat is suspected to be faulty, it may require replacement by a professional.
Fan is noisy or vibrates excessively	Debris in fan blades	Disconnect power and carefully remove any debris from the fan blades.
	Loose mounting hardware	Ensure the fan is securely mounted to the roof. Tighten any loose fasteners.
Attic remains hot	Insufficient intake ventilation	Ensure adequate soffit or other intake vents are present to allow proper airflow.
	Fan capacity too low for attic size	Verify the fan's CFM rating is appropriate for your attic square footage. This model is rated for up to 2800 sq ft.

## 8. SPECIFICATIONS

Feature	Specification
Model Number	ERV6SMWW
Airflow Capacity	Up to 1500 Cubic Feet per Minute (CFM)
Coverage Area	Up to 2800 Square Feet

<b>Feature</b>	<b>Specification</b>
Thermostat Type	Adjustable Temperature Thermostat (PT6)
Product Dimensions	3 x 1 x 2 inches (Unit dimensions, not flashing)
Item Weight	19 pounds
ASIN	B01AAYLA40
First Available	January 7, 2016

## **9. WARRANTY AND SUPPORT**

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For warranty information or technical assistance, please refer to the documentation included with your purchase or contact Master Flow customer support directly. Keep your proof of purchase for warranty claims.