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› VENTISOL 3000/4000/5000W Electric Garage Heater User Manual

VENTISOL G-5000W

VENTISOL 3000/4000/5000W Electric Garage Heater User Manual

Model: G-5000W

1. INTRODUCTION

Thank you for choosing the VENTISOL Electric Garage Heater. This manual provides essential information for the safe installation, operation, and maintenance of your heater. Please read it thoroughly before use and retain it for future reference.



Figure 1: VENTISOL Electric Garage Heater in operation, showing heat emission.

2. IMPORTANT SAFETY INSTRUCTIONS

WARNING: To reduce the risk of fire, electric shock, or injury, read and understand all instructions before using this heater.

- **Electrical Installation:** This heater requires a 240V hardwired connection. Installation should only be performed by a qualified electrician in accordance with all local and national electrical codes. A power cord is not included.
- **Power Disconnection:** Always switch off the circuit breaker to disconnect power to the heater before performing any maintenance, cleaning, or adjustments.
- **Overheat Protection:** The heater is equipped with an automatic overheat protection sensor. If the unit overheats, it will shut off automatically. If this occurs, turn off the heater, allow it to cool, and check for obstructions before restarting.
- **Clearance:** Maintain minimum distances from walls and objects as specified in the installation section to prevent fire hazards. Do not block air intake or exhaust.
- **Location:** Do not use in wet or damp locations. Ensure the heater is mounted securely to a stable structure.
- **Flammable Materials:** Keep all flammable materials (furniture, paper, clothing, curtains, etc.) at least 3 feet

(0.9 meters) from the front, sides, and rear of the heater.

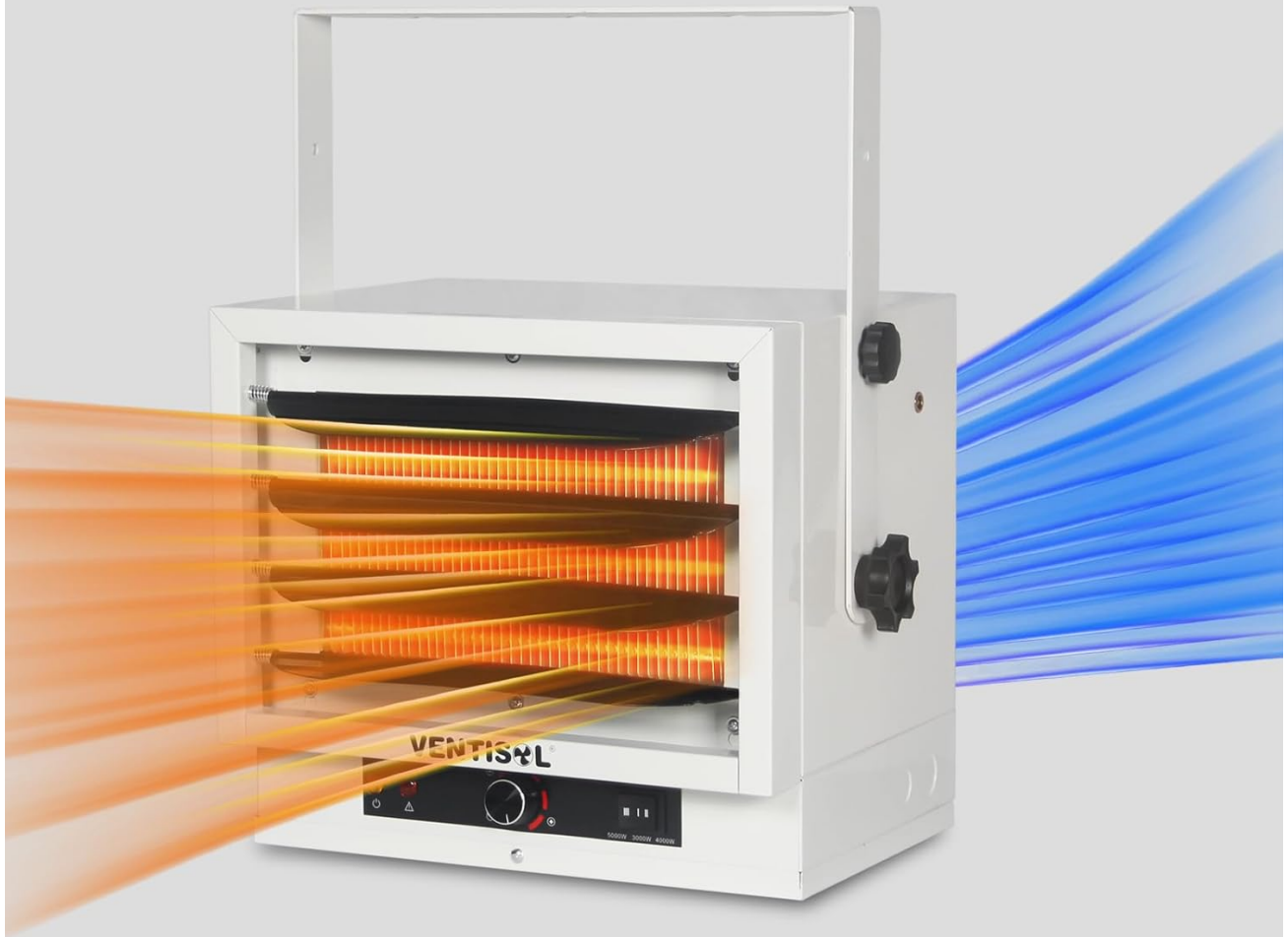
- **Supervision:** Do not leave the heater unattended while in operation. Keep children and pets away from the heater.
- **Intended Use:** Use this heater only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury.

3. PRODUCT FEATURES

The VENTISOL Electric Garage Heater is designed for efficient heating in various indoor environments such as garages, workshops, and greenhouses. Key features include:

- **Powerful Heating:** Offers 3000W, 4000W, or 5000W heating output, providing up to 17,065 BTUs.
- **Fan-Forced Circulation:** Ensures wide area heat distribution.
- **Adjustable Thermostat:** Built-in thermostat for precise temperature control.
- **Multiple Mounting Options:** Ceiling-mounted design with adjustable vertical and horizontal angles.
- **Durable Construction:** Heavy-gauge steel body for long-lasting performance.
- **Safety Certified:** ETL certified with built-in overheat protection.

FAN-FORCED HEATING



Up to a maximum of **17,065** BTU

Figure 2: Illustration of the heater's fan-forced heating mechanism, distributing warm air.



Figure 3: The heater mounted in a garage environment, demonstrating its ability to heat up to 500 square feet.

4. INSTALLATION AND SETUP

4.1 Unpacking

Carefully remove the heater from its packaging. Inspect the unit for any damage. If damage is found, do not install or operate the heater; contact customer service.

4.2 Mounting Location

The heater is designed for ceiling mount installation. Choose a location that allows for proper air circulation and maintains the minimum clearances specified below. Ensure the mounting surface can support the weight of the heater (approximately 26.4 pounds).

- Minimum distance from discharge to any object: 24 inches.
- Minimum distance to wall (side): 7 1/2 inches.
- Minimum distance to wall (front): 14 inches.
- Distance to floor: At least 8 feet.



Figure 4: Detailed diagram illustrating the minimum clearance requirements for safe installation from walls, objects, and the floor.

4.3 Mounting the Heater

1. Secure the mounting bracket to the ceiling using appropriate hardware (not included) suitable for the ceiling material and heater weight.
2. Attach the heater unit to the mounting bracket.
3. Adjust the heater's angle using the small and large knob screws on the sides. The heater can be tilted at various angles (e.g., 45°, 67.5°, 90°) to direct airflow.

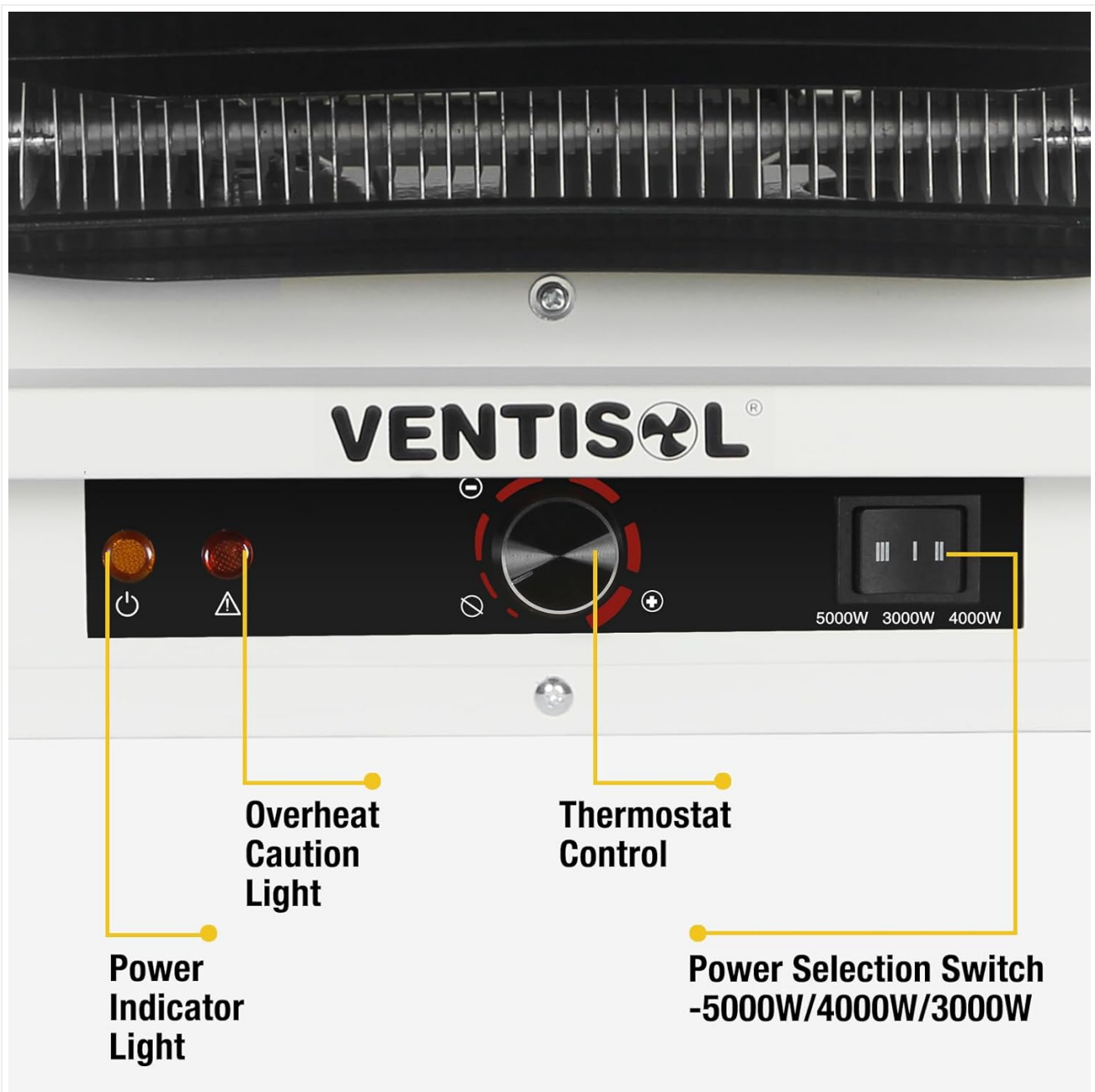


Figure 5: The heater's adjustable louvers and various mounting angles (45, 67.5, 90 degrees) for directing heat.



Figure 6: Illustrates the process of securing the mounting bracket to the ceiling.

4.4 Electrical Wiring

IMPORTANT: This heater requires a 240V hardwired connection. A power cord is NOT included. It is strongly recommended to have a professional electrician perform the wiring to ensure safety and compliance with electrical codes.

1. Ensure the main power supply to the circuit is turned OFF at the breaker panel before beginning any wiring.

2. Connect the appropriate gauge electrical wire (e.g., #8/2 copper wire for 40A breaker) to the heater's terminal block.
3. Follow the wiring diagram provided with the heater for correct connections (L1, L2, Ground).
4. Secure all connections firmly.

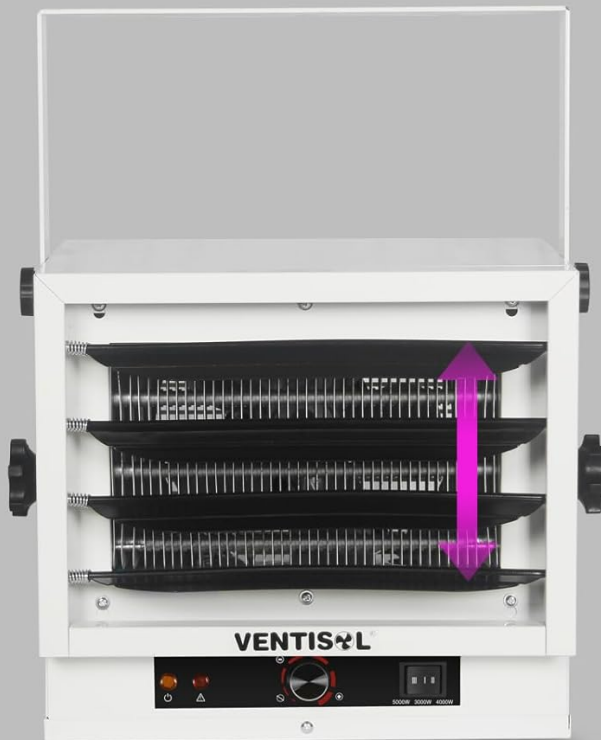


Figure 7: A close-up view of the internal wiring connections, emphasizing the need for professional installation.

5. OPERATING INSTRUCTIONS

5.1 Control Panel Overview

Adjustable Louvers



Multiple Mounting Angles

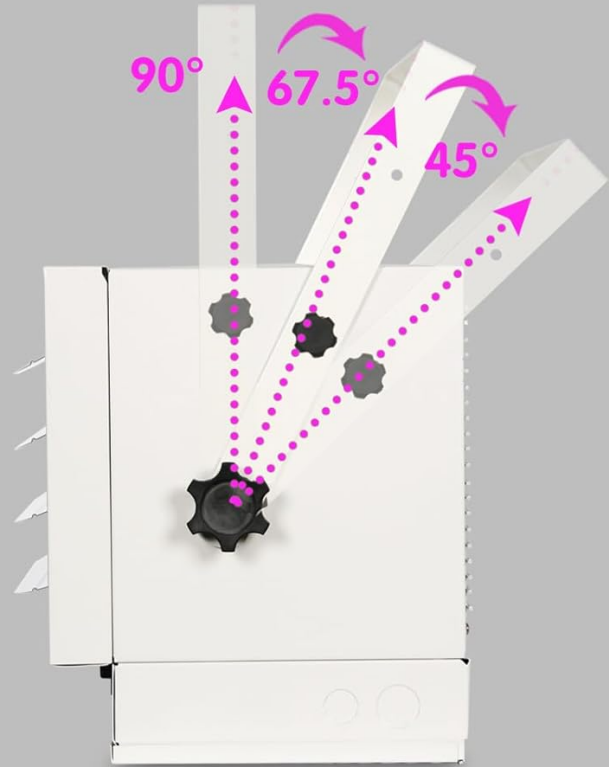


Figure 8: The control panel features a Power Indicator Light, Overheat Caution Light, Thermostat Control knob, and a Power Selection Switch.

- **Power Indicator Light:** Illuminates when the heater is powered on.
- **Overheat Caution Light:** Illuminates if the heater detects an overheating condition and automatically shuts off.
- **Thermostat Control:** A rotary knob to set the desired room temperature.
- **Power Selection Switch:** Allows selection of heating output: I (3000W), II (4000W), III (5000W).

5.2 Initial Operation

1. After successful installation and wiring, turn on the circuit breaker supplying power to the heater. The Power Indicator Light should illuminate.
2. Turn the Thermostat Control knob to the desired temperature setting.
3. Select the desired heating output using the Power Selection Switch:
 - **Position I:** 3000W heating.
 - **Position II:** 4000W heating.
 - **Position III:** 5000W heating.

- The heater will begin to operate, and the fan will start. The heating elements will activate to reach the set temperature.

5.3 Thermostat Function

The built-in thermostat will automatically turn the heating elements on and off to maintain the set temperature. The fan may continue to run even when the heating elements are off to circulate air and prevent heat stratification.

6. MAINTENANCE

WARNING: Always disconnect power to the heater at the circuit breaker before performing any maintenance or cleaning.

6.1 Cleaning

- Exterior:** Wipe the exterior surfaces of the heater with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Air Intake/Exhaust:** Periodically check the air intake and exhaust areas for dust and debris. Use a vacuum cleaner with a brush attachment to gently remove any accumulations. Ensure these areas are clear to prevent overheating.

6.2 Storage

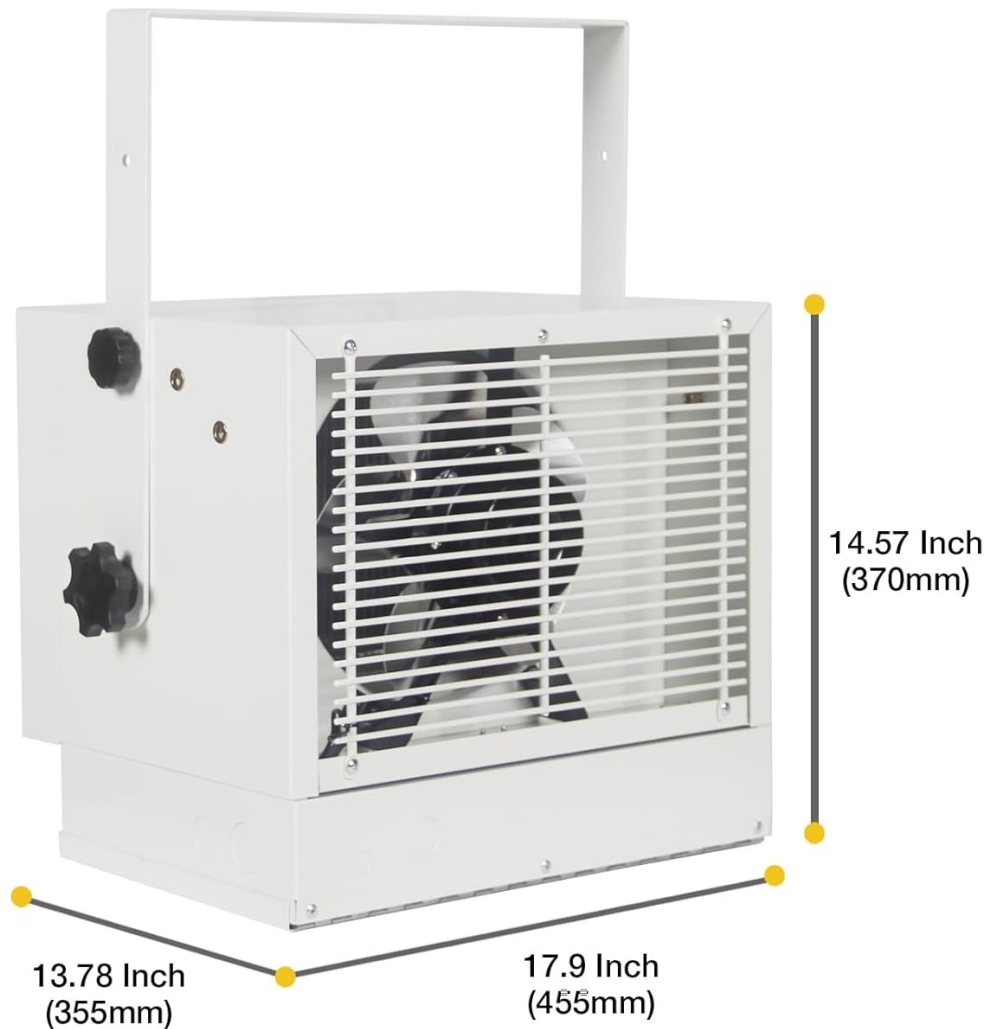
If storing the heater for an extended period, ensure it is clean and dry. Store it in a cool, dry place, preferably in its original packaging.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Heater does not turn on.	No power supply. Circuit breaker tripped. Incorrect wiring.	Check circuit breaker. Ensure proper 240V power supply. Verify wiring connections (consult an electrician if unsure).
Heater turns off unexpectedly.	Overheat protection activated.	Turn off the heater and allow it to cool. Check for obstructions around air intake/exhaust. Ensure proper clearances. Restart the heater.
No heat, but fan is running.	Thermostat set too low. Heating elements malfunction.	Increase the thermostat setting. If the issue persists, contact customer support.
Fan runs continuously.	This is normal operation. The fan may continue to run to circulate air even when heating elements are off.	No action required. This is part of the design for air circulation.
Insufficient heating.	Incorrect power setting. Thermostat set too low. Room size too large for selected wattage.	Select a higher power setting (4000W or 5000W). Increase thermostat setting. Ensure the heater's capacity matches the room size.

8. SPECIFICATIONS

Feature	Specification
Brand	VENTISOL
Model Number	G-5000W
Voltage	240 Volts
Amperage	20 Amps (at 5000W)
Heat Output	3000W / 4000W / 5000W
BTU/Hour	11,285 / 14,105 / 17,065
Heating Coverage	500-625 square feet
Product Dimensions (D x W x H)	13.78" x 17.9" x 14.57" (350mm x 455mm x 370mm)
Item Weight	26.4 pounds
Mounting Type	Ceiling Mount
Special Features	Energy Efficient, Fast Heating, Overheat Protection
Certifications	ETL Listed



Voltage: 240V

AMPS: 12.5A/16.7A/20A

Heating Level: 3000W/4000W/5000W

BTU/Hour: 11,285/14,105/17,065

Figure 9: Dimensional drawing of the heater, indicating depth, width, and height.

9. WARRANTY AND SUPPORT

VENTISOL products are manufactured to high-quality standards. For warranty information or technical support, please refer to the warranty card included with your purchase or contact VENTISOL customer service directly. Please have your model number (G-5000W) and purchase date available when contacting support. You can visit the official VENTISOL store for more information: [VENTISOL Store on Amazon](#)