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› DR. INFRARED HEATER DR218-3000W Greenhouse Garage Workshop Infrared Heater Instruction Manual

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Model: DR218-3000W | Brand: DR. INFRARED HEATER

1. INTRODUCTION AND PRODUCT OVERVIEW

The DR Infrared Heater DR218 is a fan-forced heater designed to provide a reliable and efficient heat source for greenhouses, garages, and workshops. It is engineered to protect plants from freezing temperatures and maintain an optimal climate. This model features a totally enclosed, thermally protected, heavy-duty ball bearing motor for long life and low maintenance. It includes a precision temperature sensor with built-in overheat protection and an adjustable thermostat control. The heater is constructed with heavy-duty steel housing and an IPX4 rating, protecting it against water splashing.

EASY OPERATION



Image: Front view of the DR. INFRARED HEATER DR218-3000W Greenhouse Garage Workshop Infrared Heater.

2. SAFETY INFORMATION

Always read and understand all instructions before using this heater. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Electrical Requirements:** This heater operates on 240V and requires a 20A outlet. Ensure your electrical system can support the 3000W power draw. Consult a qualified electrician if unsure.
- **Placement:** Maintain a minimum clearance of 3 feet (0.9 meters) from combustible materials such as furniture, pillows, bedding, papers, clothes, and curtains. Do not locate the heater against walls or behind drapes or furniture.
- **Overheat Protection:** The heater is equipped with a built-in overheat protection system that will automatically shut off the unit if it reaches an unsafe temperature.
- **Water Resistance:** The IPX4 structure protects against water splashing. However, avoid direct exposure to heavy rain or submerging the unit in water.
- **Supervision:** Do not leave the heater unattended while in operation, especially around children or pets.
- **Cord Safety:** Ensure the power cord is not pinched, bent, or placed under rugs or other objects that

could damage it.

3. SETUP AND INSTALLATION

The DR218-3000W heater is designed for freestanding use. Ensure it is placed on a stable, level surface away from any obstructions.

3.1 Electrical Connection

This heater requires a 240V, 20A electrical outlet. The power plug is a NEMA#6-20P type. Ensure your receptacle is compatible (NEMA#6-20R, sold separately) and properly installed by a qualified electrician.



Image: Detailed view of the NEMA#6-20P power plug from the heater and the required NEMA#6-20R receptacle.

3.2 Mounting (Optional)

While primarily freestanding, the heater can be mounted if desired. Always ensure the mounting surface is firm and can support the heater's weight. Consult the included user manual for detailed mounting instructions and hardware requirements.

Video: This video demonstrates the installation process for an electric garage heater, including wiring and mounting. Note: This video is for a similar product and general installation guidance; always refer to your specific product manual.

4. OPERATING INSTRUCTIONS

The DR218-3000W heater features simple controls for ease of use.

4.1 Control Panel



Image: Close-up of the heater's control panel with two rotary knobs for thermostat and fan/heat settings.

- **Thermostat Control:** Use the 'THERMOSTAT' knob to set the desired temperature range from MIN (32°F) to MAX (104°F). The heater will cycle on and off to maintain this temperature.
- **Heat/Fan Settings:** Use the 'HEAT/FAN' knob to select the operating mode:
 - **OFF:** Turns the unit off.
 - **FAN:** Operates the fan only for air circulation without heat.
 - **LOW:** Provides lower heat output (approximately 1500W).
 - **HIGH:** Provides maximum heat output (3000W).

- **Power Indicator:** A red light indicates when the unit is powered on.

4.2 Initial Operation

1. Plug the heater into a compatible 240V, 20A outlet.
2. Turn the 'HEAT/FAN' knob to your desired heat setting (LOW or HIGH) or 'FAN' for air circulation.
3. Adjust the 'THERMOSTAT' knob to the desired temperature. The heater will begin to operate.

Video: A user demonstrates the operation of a greenhouse heater, highlighting its effectiveness in maintaining plant health during cold weather. Note: This video is a short preview and provides a general overview of the product's use.

5. MAINTENANCE

The DR218-3000W heater is designed for low maintenance. Regular cleaning will ensure optimal performance and longevity.

- **General Cleaning:** Ensure the heater is unplugged and completely cool before cleaning. Use a soft, damp cloth to wipe down the exterior surfaces. Avoid using abrasive cleaners or solvents.
- **Heating Element:** The heating element is enclosed, reducing the need for frequent cleaning. If dust or debris accumulates, use compressed air to gently clear it.
- **Storage:** When not in use, especially during warmer months, store the heater in a cool, dry place. The power cord can be neatly wrapped around the integrated cord winder for easy storage.



Infrared DR HEATER

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Image: The heater shown next to a water bottle for size comparison, emphasizing its lightweight and portable design.

6. TROUBLESHOOTING

If your heater is not operating correctly, please check the following common issues before contacting support:

- **No Power:** Ensure the heater is securely plugged into a functioning 240V, 20A outlet. Check your circuit breaker.
- **Heater Not Emitting Heat:** Verify that the 'HEAT/FAN' knob is set to 'LOW' or 'HIGH' and the 'THERMOSTAT' knob is set above the current room temperature.
- **Heater Shuts Off Unexpectedly:** This may indicate the overheat protection has activated. Unplug the unit, allow it to cool for at least 30 minutes, and ensure there are no obstructions around the air intake or output.
- **Fan Not Working:** Ensure the 'HEAT/FAN' knob is not set to 'OFF'. If in 'HEAT' mode, the fan will operate with the heating element.

7. SPECIFICATIONS

Feature	Specification
Brand	DR. INFRARED HEATER
Model Number	DR218-3000W
Special Feature	Lightweight, Portable
Color	Green
Form Factor	Tower
Indoor/Outdoor Usage	Outdoor
Product Dimensions	10"D x 10"W x 15"H
Recommended Uses	Greenhouse
Mounting Type	Freestanding
Heating Coverage	600 square feet
Burner Type	Radiant
Fuel Type	Electric
Number of Speeds	2
Voltage	240V
Amperage	12.5 Amps
Item Weight	13 pounds
Included Components	Heater, User manual

8. WARRANTY AND SUPPORT

This DR. INFRARED HEATER product comes with a **1-year limited warranty** covering parts and

components. For any questions, concerns, or warranty claims, please contact DR. INFRARED HEATER customer service. The brand is committed to delivering top-quality products and offers local service support.

For customer service inquiries, please refer to the contact information provided in your included user manual or visit the official DR. INFRARED HEATER website.