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Dura Heat EWH5500

Dura Heat EWH5500 Electric Forced Air Heater Instruction Manual

Model: EWH5500 | Brand: Dura Heat

1. Introduction

The Dura Heat EWH5500 is an electric forced air heater designed for heating workspaces such as garages, workshops, warehouses, and agricultural buildings. It provides 17,060 BTUs of heat using 5,000 watts of power. Key features include a directional airflow louver design for heat distribution, a remote control for convenient adjustments, and an LED display for temperature settings. The unit can be mounted to a wall or ceiling using the included kit.



Figure 1: Front view of the Dura Heat EWH5500 Electric Forced Air Heater.

2. Important Safety Instructions

WARNING: Read all instructions before using this heater. Failure to follow these instructions may result in electric shock, fire, property damage, or personal injury.

- This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. Keep combustible materials, such as furniture, pillows, bedding, papers, clothes, and curtains, at least 3 feet (0.9 m) from the front of the heater and keep them away from the sides and rear.
- Extreme caution is necessary when any heater is used by or near children or invalids and whenever the heater is left operating and unattended.

- Do not operate any heater with a damaged cord or plug or after the heater malfunctions, has been dropped, or damaged in any manner. Return heater to authorized service facility for examination, electrical or mechanical adjustment, or repair.
- Do not use outdoors.
- This heater is not intended for use in bathrooms, laundry areas, and similar indoor locations. Never locate heater where it may fall into a bathtub or other water container.
- Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Arrange cord away from traffic area and where it will not be tripped over.
- To disconnect heater, turn controls to off, then remove plug from outlet.
- Do not insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock or fire, or damage the heater.
- To prevent a possible fire, do not block air intakes or exhaust in any manner. Do not use on soft surfaces, like a bed, where openings may become blocked.
- A heater has hot and arcing or sparking parts inside. Do not use it in areas where gasoline, paint, or flammable vapors or liquids are used or stored.
- Use this heater only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

3. Package Contents

Verify that all components are present before beginning installation:

- Dura Heat EWH5500 Electric Forced Air Heater Unit
- Remote Control
- Ceiling/Wall Mounting Kit

4. Specifications

Feature	Specification
Brand	Dura Heat
Model Number	EWH5500
Fuel Type	Electric
Voltage	240 Volts
Amperage	21 Amps
BTU Output	17,060 BTUs
Wattage	5,000 Watts
Heating Coverage	Up to 750 sq. ft.
Fan CFM	500 CFM

Feature	Specification
Product Dimensions (D x W x H)	16.8" x 12.13" x 11.9"
Item Weight	23 pounds
Mounting Type	Ceiling/Wall
Special Features	Hard-wire Required, Overheat Protection, Remote Control, LED Display
Max Temperature Setting	99 Degrees Fahrenheit



Figure 2: Dimensions of the Dura Heat EWH5500 Electric Forced Air Heater.

5. Setup and Installation

5.1 Electrical Requirements

The EWH5500 heater requires a 240-volt, 21-amp electrical supply and a dedicated 30-amp circuit breaker. This unit is designed for hard-wire installation. It is strongly recommended that a qualified electrician perform all electrical wiring to ensure compliance with local electrical codes and safety standards.

5.2 Mounting

The heater can be mounted to a wall or ceiling using the provided mounting kit. Choose a location that allows for optimal heat distribution and is clear of obstructions and combustible materials. Ensure the mounting surface is structurally sound to support the weight of the heater.

1. **Select Location:** Identify a suitable wall or ceiling location, ensuring adequate clearance from walls, ceilings, and any flammable objects.
2. **Install Mounting Bracket:** Securely attach the mounting bracket to the chosen surface using appropriate hardware for the material (wood studs, concrete, etc.).
3. **Attach Heater:** Mount the heater unit onto the bracket. Ensure it is firmly secured and stable.
4. **Wire Electrical Connection:** Before mounting the heater, it is often easier to connect the electrical wiring. Connect the 240V supply wires to the heater's terminal block. Ensure all connections are tight and secure. Refer to the wiring diagram provided with the mounting kit for specific instructions.
5. **Adjust Direction:** Once mounted, adjust the directional air flow louvers to direct heat as desired.

6. Operating Instructions

6.1 Power On/Off

Press the **Power button** on the control panel or remote control to turn the heater on or off. The LED display will illuminate when the heater is active.

6.2 Temperature Control

The heater features an LED display that allows you to set the desired temperature between 45 and 99 degrees Fahrenheit. Use the **Up** and **Down arrows** on the control panel or remote to adjust the temperature setting.

6.3 Remote Control

The included handheld remote control provides convenient access to all heater functions, including power, temperature adjustment, and fan speed settings. Ensure the remote has working batteries and is pointed towards the heater's receiver.

6.4 Fan Operation

The 500 CFM fan operates to circulate heat effectively throughout your space. The fan speed can typically be adjusted using the remote control or control panel, if available.

6.5 Overheat Protection

The EWH5500 is equipped with an overheat protection system that automatically shuts off the heater if it detects an unsafe operating temperature. If this occurs, turn off the heater, unplug it (if applicable), allow it to cool, and check for any obstructions to airflow before restarting.

7. Maintenance

Regular maintenance ensures optimal performance and longevity of your heater.

- **Cleaning:** Ensure the heater is turned off and disconnected from power before cleaning. Use a soft, damp cloth to wipe the exterior surfaces. Do not use abrasive cleaners or solvents. Keep the air intake and exhaust grilles free from dust and debris.
- **Storage:** If storing the heater for an extended period, ensure it is clean and dry. Store it in a cool, dry place.
- **No User-Serviceable Parts:** This heater contains no user-serviceable parts. Do not attempt to open or repair the unit yourself. Refer all servicing to qualified service personnel.

8. Troubleshooting

If your heater is not operating correctly, consult the following troubleshooting guide:

Problem	Possible Cause	Solution
Heater does not turn on	No power supply; Circuit breaker tripped; Overheat protection activated.	Check electrical connections and ensure power is supplied. Reset the circuit breaker. Allow the heater to cool down and check for obstructions.
Heater produces no heat	Temperature setting too low; Heating elements malfunction.	Increase the desired temperature setting. If the issue persists, contact customer support.
Remote control not working	Dead batteries; Remote not aimed correctly; Remote malfunction.	Replace batteries in the remote control. Ensure the remote is aimed directly at the heater's receiver. If the remote still does not work, use the control panel on the heater or contact customer support for a replacement remote.
Heater cycles on and off frequently	Room temperature reached set point; Overheat protection activating.	This may be normal operation if the room temperature is near the set point. If it's cycling rapidly and not maintaining heat, check for airflow obstructions or contact support.

9. Warranty and Support

9.1 Warranty Information

The Dura Heat EWH5500 Electric Forced Air Heater comes with a**1-year warranty** from the date of purchase, covering manufacturer's defects only. This warranty does not cover damage resulting from misuse, improper installation, or unauthorized repairs.

9.2 Customer Support

For technical assistance, warranty claims, or to order replacement parts, please contact the manufacturer, World Marketing of America Inc. Have your model number (EWH5500) and date of purchase ready when contacting support.

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