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Cadet 6F1500-1W

Cadet F Series 72-inch Electric Baseboard Heater

Model: 6F1500-1W (Part: 05536)

Brand: Cadet

1. INTRODUCTION AND OVERVIEW

This manual provides essential instructions for the safe installation, operation, and maintenance of your Cadet F Series 72-inch Electric Baseboard Heater. This 120-volt, 1500-watt unit is designed for indoor use to provide continuous, quiet convection heat, effectively warming your living spaces.

The Cadet F Series heater is constructed from durable 25-gauge steel with a 20-gauge junction box, featuring a ground connection and a powder-coated finish for longevity. It is a UL Listed heater, ensuring compliance with safety standards.



A full front view of the white Cadet F Series 72-inch electric baseboard heater.

2. IMPORTANT SAFETY INFORMATION

WARNING: Risk of Fire, Electric Shock, or Injury to Persons.

- Read all instructions before installing or using this heater.
- 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.
- Connect to properly grounded outlets only.
- 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 heater requires a thermostat for temperature control. Ensure a compatible thermostat is installed.

3. PACKAGE CONTENTS

Upon opening the package, please verify that all components are present and undamaged:

- One Cadet F Series Electric Baseboard Heater (Model 05536, 120-Volt)
- Installation and Operating Instructions Manual

4. INSTALLATION

Proper installation is crucial for the safe and efficient operation of your baseboard heater. This heater is designed for hard-wired installation and requires a separate thermostat for temperature regulation.

4.1 Choosing the Right Location

Consider the following when selecting an installation location:

- **Room Size and Wattage:** Ensure the heater's wattage (1500W for this model) is appropriate for the room size to provide adequate heating. Refer to the sizing guide image for general recommendations.
- **Voltage:** This model operates on 120 Volts. Confirm your electrical supply matches this requirement.
- **Clearances:** Maintain a minimum of 3 feet (0.9 m) clearance from combustible materials. Do not install directly below electrical outlets.
- **Thermostat:** A thermostat is required. You can use a wall-mounted thermostat or a compatible built-in thermostat accessory (sold separately).

HOW TO CHOOSE THE RIGHT CADET BASEBOARD HEATER

1 Find the right size

1. Room width x length = Area ft²
2. Match area to your space
- ▲ Lots of windows?
Choose next highest wattage
- ▼ Warmer climate? Newer home?
Choose next lowest wattage

AREA WATTAGE

50	500
100	750
125	1000
150	1250
175	1500
200	1600
250	2000
300	2500
350	3000
400	3000
450	4000
500	4000

THIS CHART IS FOR ESTIMATE PURPOSES ONLY

2 Know your voltage

Single Breaker



120V

- Single room
- Dedicated circuit or use an existing one



Max 1000-1500 watts
Practical for small jobs

Double Breaker



240V

- Multiple rooms or large remodel
- Dedicated circuit



Max 4000-5000 watts
Best for new installations

3 Choose a thermostat

Electric baseboard heaters require a thermostat for temperature control

▼ Pick installation type



▼ Pick control type

ELECTRONIC (line voltage)

- 1° comfort and accuracy
- Better control
- Energy savings

MECHANICAL (line voltage)

- 3° - 5° accuracy
- Easy to install

4 Baseboard install tips



Tools required ▶

- There's no cord—electric baseboard heaters are hard-wired with no plug
- Installation is similar to putting in a new light fixture
- Call a pro if you're not comfortable running electrical wire, or can't identify your voltage at connection



An informational graphic detailing how to select the appropriate baseboard heater based on room size, voltage requirements (120V or 240V), and thermostat type (wall or built-in, electronic or mechanical).

4.2 Mounting the Heater

The heater features pre-drilled holes for secure mounting to the wall. Ensure the heater is level and securely fastened to wall studs or with appropriate anchors.



A technical drawing illustrating the length (72 inches / 182.8 cm), height (6-3/4 inches / 17.2 cm), and depth (2-1/2 inches / 6.4 cm) of the baseboard heater.

4.3 Electrical Wiring

IMPORTANT: All wiring must be performed by a qualified electrician in accordance with national and local electrical codes.

The heater is designed for hard-wired connections. It includes a 20-gauge junction box with ground. The wiring can be routed from either the right or left side of the heater for installation flexibility. Connect the power supply wires to the heater's terminals, ensuring proper grounding.



A detailed view of the heater's internal wiring compartment, showing the electrical connections and the heating element.

5. OPERATING INSTRUCTIONS

The Cadet F Series baseboard heater provides quiet, continuous convection heat. It does not use a fan, resulting in silent operation.

- **Thermostat Control:** This heater requires an external or built-in thermostat (not included) to regulate the room temperature. Set the thermostat to your desired comfort level.
- **Convection Heating:** The heater warms the air directly above it, which then rises, allowing cooler air to be drawn in from below. This natural circulation provides even heat distribution throughout the room. Allow some time for the room temperature to stabilize after adjusting the thermostat, as convection heating is not instantaneous.
- **Quiet Operation:** Due to its fan-less design, the heater operates silently, making it suitable for bedrooms and other quiet spaces.



An image suggesting the quiet operation of the heater, contributing to a peaceful sleeping environment.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your heater. Always disconnect power to the heater at the main service panel before performing any maintenance.

- **Cleaning:** Periodically clean the exterior of the heater with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the air intake and exhaust openings are free from dust and debris.
- **Inspection:** Annually inspect the heater for any signs of damage, loose connections, or unusual wear. If any issues are found, consult a qualified electrician.
- **No Lubrication Required:** The heater does not contain any moving parts that require lubrication.

7. TROUBLESHOOTING

If your heater is not operating correctly, refer to the following common issues and solutions:

- **Heater Not Producing Heat:**
 - Check the circuit breaker at your main electrical panel.
 - Ensure the thermostat is set to a temperature higher than the current room temperature.
 - Verify all electrical connections are secure (consult a qualified electrician).
- **Insufficient Heat:**
 - Confirm the heater wattage is appropriate for the room size.
 - Check for drafts or poor insulation in the room.
 - Ensure no objects are blocking the air intake or exhaust vents.
- **Unusual Odor:**
 - A slight odor may occur during initial use as manufacturing oils burn off. This is normal and should dissipate quickly.
 - If a strong or persistent burning odor is present, immediately disconnect power and contact a qualified electrician.

For issues not resolved by these steps, contact Cadet customer support or a qualified electrician.

8. SPECIFICATIONS

Brand	Cadet
Model Number	6F1500-1W (05536)
Voltage	120 Volt
Wattage	1500 Watt
Color	White
Form Factor	Baseboard
Product Dimensions	72 x 6 x 14 inches
Indoor/Outdoor Usage	Indoor
Special Feature	Fast Heating
Material	25 Gauge Steel (housing), 20 Gauge Junction Box
Certifications	UL Listed

9. WARRANTY AND SUPPORT

For specific warranty information, including coverage details and duration, please refer to the documentation included with your product or visit the official Cadet Manufacturing website. For technical support, replacement parts, or service inquiries, please contact Cadet customer service directly.

Always ensure to have your model number (6F1500-1W) and part number (05536) available when contacting support.

