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ThermoMate CHMB77530C

ThermoMate 30 Inch Electric Cooktop User Manual

Model: CHMB77530C

1. Introduction

Thank you for choosing the ThermoMate 30 Inch Electric Cooktop. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new appliance. Please read all instructions carefully before use and retain this manual for future reference.
This electric cooktop features 5 radiant burners with a total power output of 9000W, controlled by intuitive knobs. It is designed for built-in installation and operates on a 220-240V hardwired connection.

2. Safety Information

WARNING: To reduce the risk of fire, electric shock, injury to persons, or damage when using the appliance, follow basic precautions, including the following:

- **Electrical Connection:** This appliance requires hardwiring to a dedicated 240V 40A double-pole breaker. Installation must be performed by a qualified electrician in accordance with all local codes and ordinances.
- **Hot Surface Indicator:** The cooktop is equipped with a Residual Heat Indicator (Red LED beside the knob) that glows continuously until the surface cools to a safe temperature. Do not touch the cooktop surface when the indicator is lit.
- **Over-Heat Auto Shutdown:** The cooktop will automatically shut down if the temperature exceeds 660°F (349°C) to prevent overheating.
- **Cookware Compatibility:** Use only flat-bottomed cookware compatible with electric radiant cooktops. Ensure cookware is centered on the heating element.
- **Ventilation:** Ensure adequate ventilation around the cooktop during operation.
- **Cleaning:** Always allow the cooktop to cool completely before cleaning. Use appropriate cleaning agents and methods as described in the Maintenance section.
- **Children Safety:** Do not leave children unattended in an area where the cooktop is in use or still hot.

3. Setup and Installation

This section outlines the general steps for installing your ThermoMate electric cooktop. Professional installation by a certified electrician is strongly recommended.

3.1 Unpacking

Carefully remove the cooktop from its packaging. Inspect for any shipping damage. Keep all packaging materials until you are satisfied with the product.

3.2 Dimensions and Cutout

Ensure your countertop cutout meets the specified dimensions for proper fit and ventilation.

- **Surface Dimension:** 30.31 inches (W) x 20.47 inches (D)
- **Ideal Cutout Size:** 28.94 inches (W) x 19.49 inches (D)
- **Product Bottom Dimension:** 28.14 inches (W) x 18.7 inches (D)
- **Height:** 2.95 inches (H)



Image: Cooktop dimensions and installation cutout guide. The surface measures 30.31" x 20.47", with a recommended cutout of 28.94" x

19.49". The unit's depth is 2.95".

3.3 Electrical Connection

The cooktop requires a 240V, 40A dedicated circuit. It must be hardwired directly to the household electrical supply. Consult the wiring diagram provided with the product and ensure all connections are secure and comply with local electrical codes.



Image: Electrical wiring diagram for hardwired installation to a 240V 40A double-pole breaker.

3.4 Drop-in Installation

Once the cutout is prepared and electrical connections are ready, carefully lower the cooktop into the opening. Ensure it sits flush with the countertop. Secure the cooktop using the provided mounting clips or brackets according to the installation instructions.

Your browser does not support the video tag.

Video: Official ThermoMate video demonstrating the features and potentially the installation process of the 30 Inch Electric Cooktop with 5 Burners. This video is provided by ThermoMate Official.

4. Operating Instructions

Your ThermoMate electric cooktop is designed for ease of use with precise knob controls.

4.1 Burner Configuration and Power

The cooktop features five radiant burners with varying power levels to suit different cooking needs:

- Two 1200W burners (6.5 inches diameter)
- Two 1800W burners (7.87 inches diameter)
- One versatile triple-ring burner (11.8 inches diameter) with settings for 1000W, 2000W, or 3000W.



Image: Overview of the five radiant burners, indicating their power (1200W, 1800W, 1000W/2000W/3000W) and approximate diameters.

4.2 9-Level Knob Control

Each burner is controlled by a dedicated knob, offering 9 heat levels from low (1) to high (9). To activate a burner, push down and turn the corresponding knob to the desired heat setting. The red indicator light next to the knob will illuminate when the burner is active.



Image: Detail of the knob control, illustrating the 9 heat levels for precise temperature adjustment.



Image: Visual guide for 9 power levels, suggesting appropriate settings for different cooking applications like boiling, simmering, and frying.

4.3 Compatible Cookware

The ceramic cooktop is compatible with all flat-bottomed cookware types, including cast iron, stainless steel, enamel-coated, aluminum, copper-bottomed, and heat-resistant glass. Ensure the cookware base is flat and covers the heating element adequately for optimal performance.



Image: Examples of compatible flat-bottomed cookware, such as stainless steel pots, cast iron skillets, and glass bakeware.

5. Maintenance and Cleaning

Proper care and cleaning will ensure the longevity and appearance of your cooktop.

5.1 Daily Cleaning

For light spills and daily cleaning, allow the cooktop to cool completely. Wipe the ceramic glass surface with a damp cloth and a mild detergent. Dry thoroughly with a clean, soft cloth to prevent water spots.

5.2 Stubborn Stains

For stubborn stains or burnt-on food, use a ceramic cooktop cleaner and a non-abrasive cleaning pad. Follow the cleaner manufacturer's instructions. Avoid using abrasive scrubbers, steel wool, or harsh chemicals, as these can scratch or damage the glass surface.



Image: Demonstrates cleaning the ceramic cooktop surface with a soft cloth and cleaning agent.

5.3 Control Knobs

The control knobs can be removed for cleaning. Pull them straight off, wash with warm soapy water, dry thoroughly, and then push them back onto their shafts.

6. Troubleshooting

If you encounter issues with your cooktop, refer to the following common problems and solutions. For problems not listed here, or if solutions do not resolve the issue, contact customer support.

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Cooktop does not turn on	No power supply; circuit breaker tripped; improper wiring.	Check the circuit breaker. Ensure the cooktop is properly hardwired. If issues persist, consult a qualified electrician.
Burner not heating	Knob not turned to a heat setting; faulty element.	Ensure the knob is correctly set. If other burners work, the element may be faulty; contact support.
Residual Heat Indicator remains on	Cooktop surface is still hot.	This is normal. Wait for the surface to cool down. Do not touch the surface until the indicator light turns off.
Cooktop shuts off unexpectedly	Over-heat auto shutdown activated.	This is a safety feature. Allow the cooktop to cool down. Ensure proper ventilation and avoid blocking air vents.
Uneven heating	Cookware not flat or not centered; incorrect cookware size.	Use flat-bottomed cookware that matches the burner size. Center the cookware on the element.

7. Specifications

Feature	Specification
Brand	ThermoMate
Model Number	CHMB77530C
Installation Type	Built-In
Heating Elements	5 Radiant Burners
Control Type	Knob Control (9 Levels)
Total Wattage	9000W
Voltage	240V
Material	Ceramic, Microcrystalline Glass
Product Dimensions (D x W x H)	20.47" x 30.31" x 2.95"
Item Weight	27.2 pounds
Special Features	9 Power Levels, Hot Surface Indicator, Over-Heat Auto Shutdown
Certification	ETL Certified

8. Warranty and Support

8.1 Manufacturer's Warranty

This ThermoMate electric cooktop is covered by a **1-Year Manufacturer's Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

The warranty does not cover damage resulting from improper installation, misuse, abuse, accident, unauthorized repairs, or normal wear and tear.

8.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your ThermoMate electric cooktop, please contact ThermoMate customer service. Refer to the contact information provided with your product packaging or visit the official ThermoMate website for support details.

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