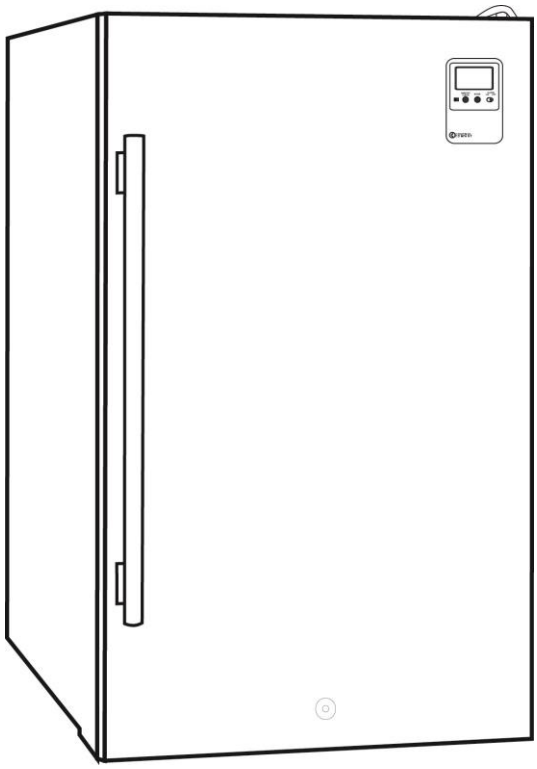
EDGESTAR®

Precision Cooled Refrigerator



RP400MED

User's Guide

For more information on other great EdgeStar products on the web, go to http://www.edgestar.com

Important Safety Information

Improper handling can cause serious damage to the EdgeStar precision refrigerator and/or injury to the user.

Please review the ratings label located on the rear panel of the unit for electrical and other technical data related to this unit. The unit must be used in a properly grounded wall outlet.

Please read and follow the safety information listed below to reduce the risk of fire, electric shock or injury.



Electrical Safety

- Do not exceed the power outlet ratings.
- It is recommended the refrigerator be connected on its own circuit.
- The unit must be installed in accordance with state and local electrical codes.
- A standard electrical supply (115 V, 60Hz), that is properly grounded in accordance with the National Electrical Code and local codes and ordinances is required.
- Use outlets that cannot be turned off by a switch or pull chain.
- Always turn the unit off and unplug it from the outlet when cleaning.
- Unplug the unit if it is not going to be used for an extended period of time.
- Do not operate the unit with a power plug missing the ground plug, a damaged cord or a loose socket.
- Be sure the precision refrigerator is properly grounded.
- Never plug or unplug the unit with wet hands.
- Do not bypass, cut or remove the grounding plug.
- Do not use extension cords or power strips with this unit. You may need to contact your electrician if it is necessary to use a longer cord or if you do not have a grounded outlet. Do not modify the power cord's length or share the outlet with other appliances.
- Do not start or stop the unit by switching the circuit's power on and off.
- If the power cord is damaged, it must be replaced by the manufacturer or a qualified technician.
- Never repair the unit while it is plugged in.
- Immediately unplug the unit if it makes strange sounds, emits smells or smoke comes out of it, and contact customer service.
- Do not remove any part of the casing unless instructed by an authorized technician.
- You should never attempt to repair the unit yourself.
- Contact customer service for service options if the unit needs service.



General Safety

- To prevent back and other types of injuries, use at least two people to move and install the precision refrigerator.
- This unit is not intended for use by persons, including children, with reduced physical, sensory or mental capabilities, unless they have been given supervision or instruction concerning the use of the appliance by the person(s) responsible for their safety.
- Install the cooler in a well ventilated area where the ambient temperature is above 50°F and below 95°F.
- Do not place hot or warm items into the cooler before they cool down to room temperature.
- This unit is designed to be installed indoors, and protected from rain, sleet, snow, and/or moisture.
- This unit is not intended to be used by children.
- Children should be supervised to ensure that they do not play with this product.
- Never allow children to crawl inside the precision refrigerator. If disposing the unit, remove the door.
- Do not use this cooler near flammable gas or combustibles, such as gasoline, benzene, thinner, etc.
- Do not place the unit near heat sources such as ovens, grills, or direct sunlight.
- Only use in an upright position on a flat, level surface and provide proper ventilation.
- Do not pinch or kink the power supply line between the unit and cabinet.
- Do not leave any cleaning solutions in the unit
- Do not use solvent-based cleaning agents or abrasive solutions to clean the unit as they may damage the interior and exterior.
- Do not place any other appliances on top of the unit.
- Do not turn the unit upside down, on its side, or at an angle off level.
- If your unit is equipped with a lock, take care to keep the keys away from children.
- Do not move the unit without emptying the contents and securing the door in a closed position.

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First Time Operating Instructions

Before use, make sure all packaging labels and materials are removed from the unit. Be sure to keep track of all included parts and pieces before discarding packaging materials. It is advised that you keep the original box and packaging materials in case you are ever to move or ship the appliance in the future.

Let the unit stand for at least 24 hours before you use it; this allows the cooling components time to settle from transit. The instruction manual should be read before use.

This owner's manual is provided for reference use only. Specifications may change without prior notice. Refer to the product label on the back of your precision refrigerator for the latest technical information.

Introduction

Thank you for purchasing this EdgeStar precision refrigerator. We are glad you chose us. We believe that your purchase of this product opens a relationship between you and EdgeStar. We will provide the customer support needed to nurture that relationship.

This manual contains important information regarding the proper installation, use and maintenance of your refrigerator. Following this manual will ensure that your product will work at its peak performance and efficiency.

Please save the original product packaging in case you need to safely transport your refrigerator.

For Your Records:
Please write down the model number and serial number below for future reference. Both numbers are located on the ratings label on the back of your unit and are needed to obtain warranty service. You may also want to staple your receipt to this manual as it is the proof of your purchase, and is also needed for service under your warranty.

Model Number: _____

Serial Number: _____

Date of Purchase: _____

To better serve you, please do the following before contacting customer service:

- If you received a damaged product, immediately contact the retailer or dealer that sold you the product.
- Read and follow this instruction manual carefully to help you install, use and maintain your precision refrigerator.
- Read the troubleshooting section of this manual as it will help you diagnose and solve common issues.
- Visit us on the web at **http://www.edgestar.com** to register your product, download product guides, additional troubleshooting resources and up-to-date information.
- If you need warranty service, our friendly customer service representatives are available via email at **service@edgestar.com** or by telephone at **1 (866) 319-5473**.

Installing the Refrigerator

The refrigerator should be installed in accordance with local electrical code requirements. The unit should also be placed in a location that is strong enough to support its total weight, keeping in mind that it will weigh substantially more when fully loaded than when empty.

Before you plug the precision refrigerator into a power supply, be sure to let it stand upright for at least 24 hours to allow the compressor's oils to settle.

Unpacking the Precision refrigerator



WARNING: Use two more people to move and install the precision refrigerator. Failure to do so can result in back or other injury. Carefully remove the packaging materials. Remove any shipping tape and glue from your precision refrigerator before using. Do not use sharp instruments, rubbing alcohol, flammable fluids, or abrasive cleaners to remove tape or glue. These products can damage the surface of your precision refrigerator.

IMPORTANT: Do not remove any safety, warning, or product information labels from your precision refrigerator.

Free-standing installation:

A free-standing installation will allow you to install the precision refrigerator in almost any place you desire as long as there is ample clearance for proper heat ventilation. You must follow the stated instructions for electrical requirements, and leveling the precision refrigerator.

• The precision refrigerator should be installed on a firm and level surface that will be able to support the entire weight of a fully loaded unit. It is important for the precision refrigerator to be level in order to work properly. If needed, you can adjust the height of the precision refrigerator by rotating the feet.

• Choose a location that has ambient temperatures above 50°F and below 95°F. Operation outside these temperatures may result in lowered efficiency or cause other adverse effects.

• This unit MUST be installed in an area protected from the elements, e.g., wind, rain, water spray or drips.

• The precision refrigerator should not be located next to ovens, grills or other high heat sources.

• Do not kink or pinch the power supply cord between the precision refrigerator and wall or cabinet.

Electrical Requirements



ELECTRIC SHOCK HAZARD!

- **Plug into a grounded 3-prong outlet.**
- **Never remove the grounding prong from the plug.**
- **Never use an adapter to bypass the grounding prong.**
- **DO NOT use an extension cord.**

Before you move your precision refrigerator into its final location, it is important to make sure you have the proper electrical connection:
A standard electrical supply (115 V, 60Hz), properly grounded in accordance with the National Electrical Code and local codes and ordinances, is required. It is recommended that a separate circuit, serving only your precision refrigerator, be provided. Use receptacles that cannot be turned off by a switch or pull chain.

Recommended grounding method

For your personal safety, this appliance must be grounded. It is equipped with a power supply cord having a 3-prong grounding plug. To minimize possible shock hazard, the cord must be plugged into a mating 3-pronged wall socket, and grounded in accordance with the National Electrical Code and local codes and ordinances. If a mating wall socket is not available, it is the personal responsibility of the customer to have a properly grounded, 3-prong wall receptacle installed by a qualified electrician.

Leveling the Precision refrigerator

It is important for the precision refrigerator to be leveled in order to work properly. It can be raised or lowered by rotating the plastic sheaths around each of the feet on the bottom of the machine. If you find that the surface is not level, rotate the feet until the precision refrigerator becomes level .You may need to make several adjustments to level it. We recommend using a carpenter's level to check the machine.

1. Place a carpenter's level on top of the product to see if the precision refrigerator is level from front to back and side to side.
2. Adjust the height of the feet as follows:
Turn the leveling feet to the right to lower that side of the refrigerator.
Turn the leveling feet to the left to raise that side of the refrigerator.

Installing the Door Handle

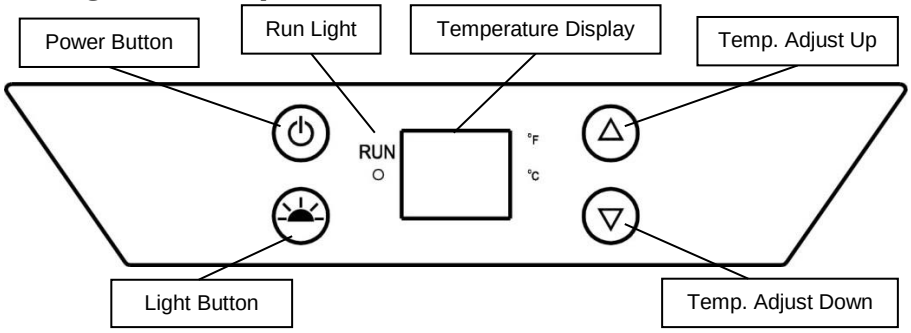
To install the door handle:
1. Open the door and carefully pull the door gasket around the area where the handle is to be installed.
2. Insert each Phillips head screw through the gasket side of the door until the screw pass through the door.
3. Align the handle with the screws and tighten using a Phillips head screwdriver until the handle is flush against the door frame.
4. Carefully press the door gasket into its original position.

OPERATION

Installation Check List before Operation

1. Have all packing materials and tape been removed from the interior and exterior of the precision refrigerator?
2. Have the installation instructions been followed, including connecting the machine to electricity? And has proper grounding been installed for the precision refrigerator?
3. Has the machine been leveled?
4. Is the precision refrigerator in a site where the ambient temperature is between 50º F and 95º F all year round?

Using the Temperature Control Panel



Use the up and down buttons to adjust the temperature. The temperature displayed can be in Fahrenheit or Celsius. This precision refrigerator has a temperature range from 32°F to 50°F.

This precision refrigerator has one display. The unit will change to Set Display if a temperature adjust button is pressed. Once set the display will revert to Current Temperature Display that shows the current temperature.

Note: Whether your precision refrigerator can reach the actual set temperature depends on the ambient environmental conditions.

Press the ▼ button on the control panel to lower the temperature by 1 degree increments.

Press the ▲ button on the control panel to increase the temperature by 1 degree increments.

Press the button to turn the inner light on or off.

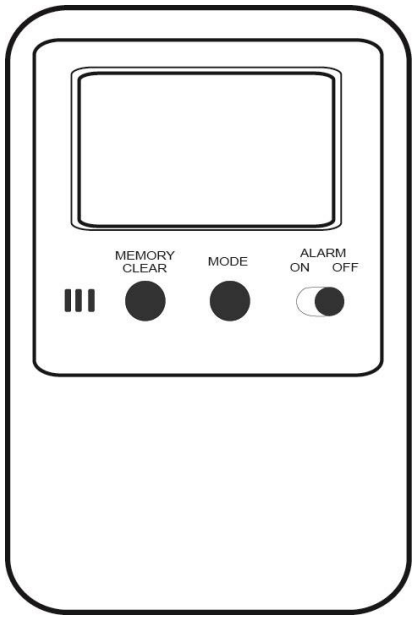
Caution: If you powered off the unit, please wait at least 5 minutes before powering it back on.

Press and hold the power button for approximately 3 seconds to turn the unit's power on or off. The Run Light will illuminate when the unit is working.

The Celsius or Fahrenheit light will be lit depending on what scale temperature is being displayed. To switch between C and F, press and hold the ▼ and ▲ buttons at the same time for approximately 5 seconds until the temperature scale changes.

Using the Refrigerator Thermometer and Alarm

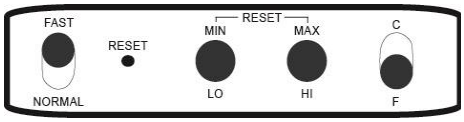
NOTE: Make sure the battery is installed before beginning operation.



Sampling Rate:
Fast: 10 seconds
Normal: 60 seconds

Temperature Range:
°F -58 to 158
°C -50 to 70

(BACK VIEW)





WARNING: The small RESET button MUST be pressed whenever a change is made to °C/°F, FAST/NORMAL sampling, or the thermometer is plugged in or removed.

Use a pointed object to push the RESET button on the back of the thermometer

RESETTING MIN/MAX MEMORIES:

1. To reset both minimum and maximum memories press MEMORY CLEAR button.
2. To reset individual memories press either the MIN or MAX button on the back of unit once. The other memory will remain unaffected.

NOTE: You must be in NORMAL DISPLAY MODE to reset the memories.

OPERATION MODES

This unit has two operating modes: NORMAL DISPLAY MODE and ALARM DISPLAY MODE. To change from one mode to another press the MODE button once. NORMAL DISPLAY MODE is indicated by the MIN (minimum) and MAX (maximum) temperatures. ALARM DISPLAY MODE is indicated by the HI and LO alarm settings.

SETTING THE HIGH/LOW ALARM

1. Press the MODE button until unit is in the ALARM DISPLAY MODE indicated by the HI and LO temperature settings.
2. To set the HIGH temperature alarm limit press the HI button to advance the display by °1. Press and hold to advance by °5.
3. To set the LOW temperature alarm limit press the LO button to advance the display by °1. Press and hold to advance by °5.

ALARM

The unit will sound the alarm in both NORMAL DISPLAY MODE and ALARM DISPLAY MODE.

Slide the ALARM ON/OFF switch to ON to activate the alarm. When the current temperature display rises above the HI set point, or falls below the LO set point, the alarm will sound for 1 minute and issue a 3 second repeater beep every minute after, for up to 12 hours. The alarm will continue to sound even if the temperature returns to “in range” condition.

To temporarily silence the alarm press either the HI or LO button on the back of the unit. The unit is still active and the alarm will sound again if the temperature goes out of range.

OTHER

Slide the switch to change from °F or °C.

Slide the switch to change from normal sampling rate (60 seconds) or fast sampling rate (10 seconds).

Normal Sounds

Your new precision refrigerator may make sounds that are not familiar to you. Most of the new sounds are normal. Hard surfaces like the floor, walls can make the sounds seem louder than they actually are. The following describes the kinds of sounds that might be new to you and what may be making them.

- Rattling noises may come from the flow of the refrigerant or the water line, Items stored on top of the precision refrigerator can also make noises.
- The high efficiency compressor may make a pulsating or high-pitched sound.
- Water running from the evaporator to the water bin may make a splashing sound.
- As each cycle ends, you may hear a gurgling sound due to the refrigerant flowing in your precision refrigerator.
- You may hear air being forced over the condenser by the condenser fan.

Defrosting

Note that under most refrigerating settings, the unit will automatically defrost under most ambient conditions. However, on colder settings, some frost may build up. Additionally, the more humid the ambient conditions, the more frost may build up. Keep the door closed as much as possible and avoid opening the door unnecessarily to minimize frost build-up.

If frost is preventing the door from closing properly, you may need to power the unit off until the frost melts. Use a soft absorbent towel to dry the unit.

WARNING: Never attempt to remove frost with a sharp object!

Preparing the Precision Refrigerator for Storage



If the refrigerator will not be used for a long time, or is to be moved to another place, it will be necessary to defrost the unit and dry the interior.

1. Disconnect the refrigerator from the power supply by removing the power plug from the wall socket.
2. Leave the door open to allow for air circulation and to prevent mold, mildew and unpleasant smells.

CAUTION: Store the unit out of the reach of children. If you have children, you may want to take additional precautions such as removing the door to prevent a child from being trapped inside the refrigerator!

IMPORTANT:

• Do not touch the power plug when your hands are wet.
• Never unplug the unit by pulling on the plug.

CLEANING AND MAINTENANCE

Periodic cleaning and proper maintenance will ensure efficiency, top performance, and long life.

Exterior Cleaning

The door and cabinet may be cleaned with a mild detergent and lukewarm water solution such as 2 tablespoons of baking soda to 1 quart of water.

Do not use solvent based or abrasive cleaners. Use a soft sponge and rinse with clean water. Wipe with a soft clean towel to prevent water spotting. Never use an abrasive or caustic cleaning agent.

Interior Cleaning

The precision refrigerator's interior should be cleaned occasionally.
1. Disconnect power to the unit.
2. Open the door and remove the contents and shelves.
3. Wait until the unit defrosts.
4. With a clean cloth, wipe down the interior of the unit.
5. Reinsert the shelves.
6. Reconnect power to the unit.

TROUBLESHOOTING

Before Calling for Help

If the unit appears to be malfunctioning, read through the OPERATION section of this manual first. If the problem persists, check the Troubleshooting Guide below and on the following page. The problem could be something that can easily be solved or explained.

Symptoms	Possible causes	Solutions
The precision refrigerator turns on and off frequently.	The room temperature is higher than the recommended ambient environment.	Run the refrigerator at the appropriate ambient temperature.
	The door is being opened often.	Minimize the number of times the door is opened.
	The door is not completely closed.	Make sure the door is completely closed.
	The door gasket is not sealing properly.	Make sure the door gasket is properly sealing.

Troubleshooting continued

Issue	Possible cause	Solution
The refrigerator does not turn on.	There is a power failure.	Ensure the refrigerator is plugged in and the power outlet has power.
	The refrigerator is not plugged in.	Plug the unit in to a power outlet that has sufficient amperage.
	A fuse has blown or the circuit breaker is tripped.	Replace the broken fuse in your fuse box or reset the breaker.
The refrigerator will not reach the desired temperature	The refrigerator is placed too close to a heat source.	Keep the refrigerator away from direct sun light or other heat sources.
	The refrigerator does not have sufficient ventilation.	Ensure the refrigerator has enough clearance to ventilate.
	The door is opened too frequently or for a long period of time.	Close the door tightly and do not open the door too frequently or for a long period of time.
The refrigerator is making strange noises	Certain sounds are normal.	Read the “Normal Sounds” section.
	The unit is not level or is touching another appliance.	Check to make sure that the refrigerator is level, and that it is not in contact with another appliance or furniture.
The body of the refrigerator is electrified.	The unit is not grounded properly.	Contact your local electrician to test your electrical grounding system.
Frost is forming in the refrigerator.	The environment is humid.	Though the unit uses an “auto-defrost” system, under certain conditions, manual defrosting may be required. If frost builds up, you can try running the refrigerator on a warmer temperature setting, minimizing the number of times you open the door, or unplugging the unit to allow the frost to melt.
	The ambient temperature is too low.	
	The door is being opened too frequently.	
The door will not shut properly.	Your refrigerator is not level.	Make sure the refrigerator is on a level surface.
	The door gasket is dirty.	Clean the door gasket.
	The door gasket is not installed correctly.	Make sure the door gasket is properly installed.
	The shelves are incorrectly installed.	Correctly install the shelves.

Specifications

Description of product	Precision Cooled Refrigerator
Model	**RP400MED**
Voltage/Frequency	AC 115V~60Hz
Amperage	1.18A
Input Power	120W
Color	White
Refrigerant	R134a, 2.3 oz.
Temperature Range	32 - 50ºF
Dimensions (Height x Width x Depth)	33.1” x 19.4” x 23.1”
Weight	79 pounds

Note: Technical data and performance information is provided for reference only.

Specifications are subject to change. Check the rating label on the precision refrigerator for the most accurate information.

EDGESTAR **Limited Warranty: Full One-Year Parts and Labor**

This product is warranted by EdgeStar and is subject to any conditions set forth as follows:

WHAT IS COVERED:

For a period of ONE (1) YEAR from the date of original retail purchase, EdgeStar will repair or replace any part free of charge including labor that fails due to a defect in materials or workmanship. Labor will be performed free of charge at an authorized EdgeStar repair facility and EdgeStar will supply new, rebuilt, or refurbished parts free of charge. EdgeStar may request a defective part be returned in exchange for the replacement part. All replacement parts or products will be new, remanufactured, or refurbished. All products and parts replaced by EdgeStar under warranty service become the property of EdgeStar. After the 12 month period, EdgeStar will no longer be responsible for labor charges incurred or replacement parts. All defective products and parts covered by this warranty will be repaired or replaced on a mail-in basis to an EdgeStar authorized repair facility.

This warranty applies to the original purchaser only, and only covers defects in workmanship experienced during operation of the product under normal service, maintenance, and usage conditions. This warranty applies to the purchase and use of this product in residential settings within the United States of America.

Exceptions: Commercial or Rental Use Warranty

90 days labor and parts from date of original purchase. No other warranty applies.

WHAT IS NOT COVERED- The following limitations apply to the coverage of this warranty. This warranty does not cover:

-Labor charges for installation, setup or training to use the product.
-Shipping damage, and any damage caused by improper packaging for shipment to an authorized service center, and any damaged caused by improper voltage or any other misuse, including abnormal service, handling, or usage.
-Cosmetic damage such as scratches and dents.
-Normal wear and tear on parts or replacement of parts designed to be replaced, e.g. filters, cartridges, batteries.
-Service trips to deliver, pick-up, or repair, install the product, or to instruct in proper usage of the product.
-Damages or operating problems resulting from misuse, abuse, operation outside environmental specifications, uses contrary to instructions provided in the owner's manual, accidents, acts of God, vermin, fire, flood, improper installation, unauthorized service, maintenance negligence, unauthorized installation or modification, or commercial use.
-Labor, service transportation, and shipping charges for the removal and replacement of defective parts, beyond the initial 12 month period.
-Products that have been modified to perform outside of specifications without the prior written permission of EdgeStar.
-Products lost in shipment, or theft.
-Products sold AS IS or from an unauthorized reseller.
-Products that have had their serial numbers removed, defaced, or with serial numbers that have been invalidated.
-Damage from other than normal household use.
-Replacement or repair of household fuses, circuit breakers, wiring or plumbing.
-Damage to personal property from use of product.
-Damage from service other than from an authorized EdgeStar repair facility.
-Hoses, knobs, lint trays and all attachments, accessories and disposable parts.
-Any service charges not specifically identified as normal such as normal service area or hours.
-Any special or consequential damages arising out of the use of the product.

OBTAINING WARRANTY SERVICE: If you believe your product is defective, contact EdgeStar Customer Support for troubleshooting assistance and warranty service at www.edgestar.com or call 1-866-319-5473. Before contacting Customer Support you are required to have your model number, serial number and proof of purchase available upon request. Once an EdgeStar authorized representative has confirmed that your product is defective and eligible for warranty service, the product must be returned to an EdgeStar authorized repair facility. EdgeStar is not responsible for damage resulting from shipper mishandling or improper packaging. Do not return a defective product to the place of purchase. Products received without a return authorization number will be refused.

THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT ANY IMPLIED WARRANTY IS REQUIRED BY LAW, IT IS LIMITED IN DURATION TO THE EXPRESS WARRANTY PERIOD ABOVE. NEITHER THE MANUFACTURER NOR ITS DISTRIBUTORS SHALL BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES OF ANY NATURE, INCLUDING WITHOUT LIMITATION, LOST REVENUES OR PROFITS, OR ANY OTHER DAMAGE WHETHER BASED IN CONTRACT, TORT, OR OTHERWISE. SOME STATES DO NOT ALLOW THE EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE EXCLUSION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE.

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Register your product, download owner's manuals, access additional troubleshooting resources, and obtain more information on other great EdgeStar products on the web at: **http://www.edgestar.com**

Product contents and specifications may change without notice.

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