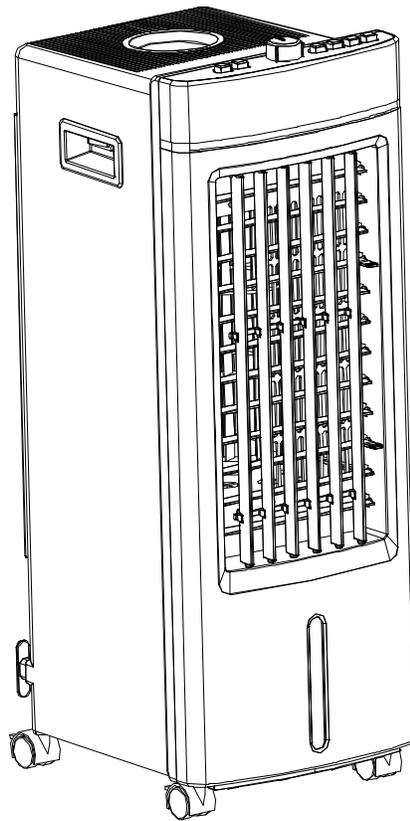


# **Koldfront**

## **Evaporative Air Cooler**



# **KAC40BL**

## **Owner's Manual**

*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 appliance and/or to the user. Please read the following safety information.



### Electrical Safety

- This product is designed for indoor use only.
- Keep the housing and control panel dry; do not spray water directly on the control panel.
- Do not touch the power plug with hands.
- Do not pull the unit by the cord.
- 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 a long period of time.
- Do not operate the unit with a damaged power plug or a loose socket.
- If the power cord is damaged, it must be replaced by the manufacturer, a service agent, or a qualified technician.
- Read the rating label on the product for power requirements.
- Use only the correct power supply with appropriate amperage.
- This appliance is for use only on 110-115-120V, 60Hz electrical circuits.
- Do not remove any part of the casing unless instructed by an authorized technician.
- If the unit is tipped over while filled with water, immediately unplug the unit. Allow the unit to dry for 24 hours before operating it to minimize the risk of damaging the electronics.



### General Safety

- This evaporative air cooler is not intended to be used by children.
- Children should be supervised to ensure that they do not play with the controls or drop any objects into the air outlets or vents.
- Do not place objects or let any person sit on top of the unit.
- Only use the unit in the upright position on a flat, level surface.
- Route the power cord carefully to avoid a tripping hazard.
- This unit is intended for domestic use only. Do not use the portable air cooler for industrial or commercial use. Any other use may invalidate the warranty.
- Do not use flammable liquids or gases around the unit.
- Keep all fingers and other foreign objects clear of the internal fan at all times.

Electrical products should not be disposed of with household waste. Please contact your local recycling center for more information on how to recycle electronic waste.



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**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 product for the latest technical information.**

## Introduction

Thank you for purchasing this KoldFront evaporative air cooler by EdgeStar. 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, usage and maintenance of your evaporative air cooler. 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 evaporative air cooler.

### 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: \_\_\_\_\_

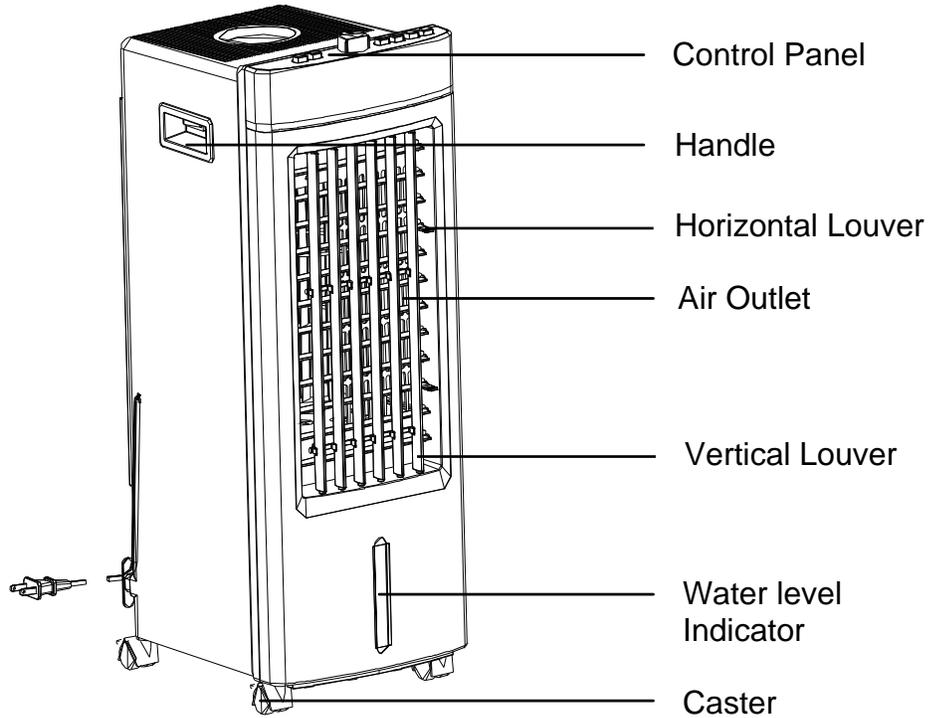
Date of Purchase: \_\_\_\_\_

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

- If you received a damaged product, immediately contact the dealer that sold you the product.
- Read and follow this instruction manual carefully to help you install, use and maintain your evaporative air cooler.
- 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](mailto:service@edgestar.com) or by telephone at **1 (866) 319-5473**.

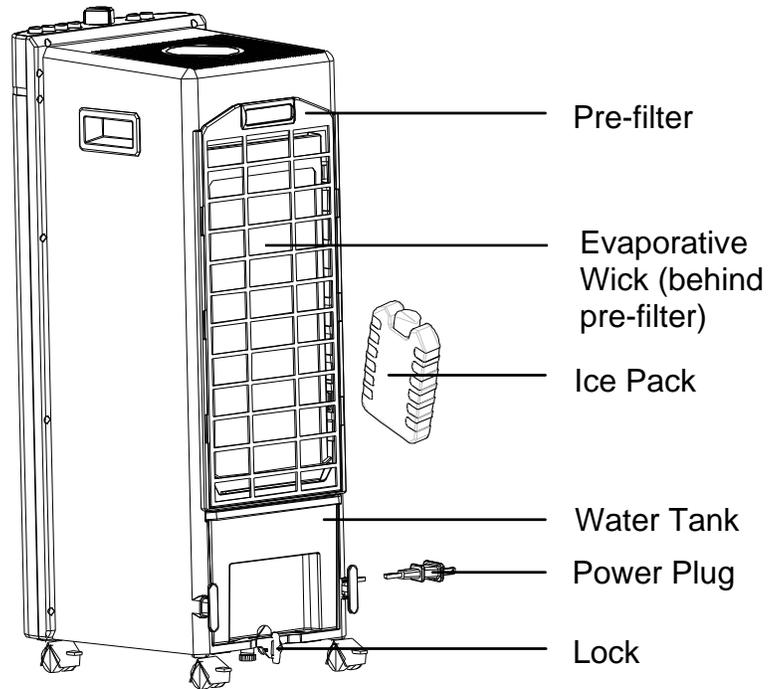
# Parts Identification

## Front View



Note: The unit is designed to blow air mostly from the left side.

## Back View

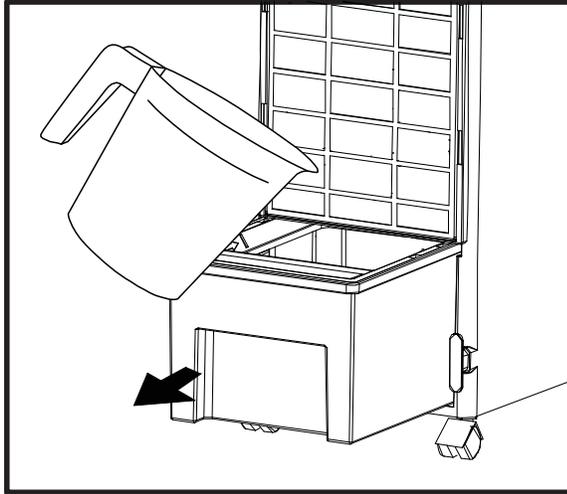


Note: The unit is designed to blow air mostly from the left side.

## Adding Water and Using the Ice Packs

You can add water and ice packs to your evaporative air cooler to lower the temperature of the air being blown through the front air vent. Adding ice packs to the water tank will make the air flow temperature colder.

To add water to the unit follow the steps below:



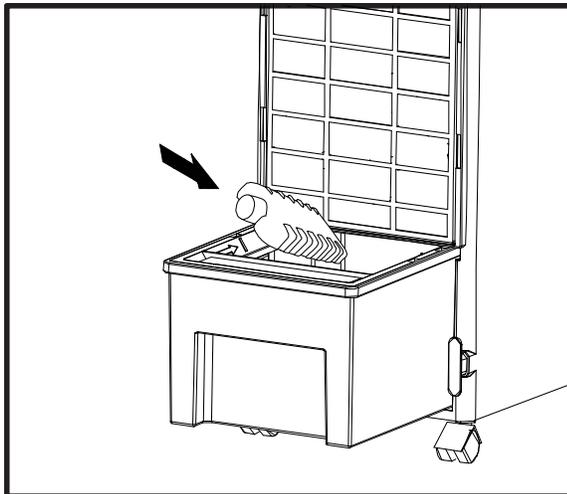
Note: Do not overfill the water tank. The water level should be kept below the "MAX" indicator line.

1. Unplug the power plug from the outlet.
2. Turn the lock knob to the left to unlock the water tank.
3. Slide the water tank out. The water pump will swing up.
4. Pour water into the tank.
5. Carefully slide the water tank back in. There may be a slight resistance when inserting the water tank. The water pump will swing down and be submerged into the water.
6. Turn the lock to prevent the water tank from sliding out.
7. Plug the power plug to the power outlet.

An ice pack can help lower the water temperature in the water tank to allow colder air to blow out from the unit.

To use the ice pack:

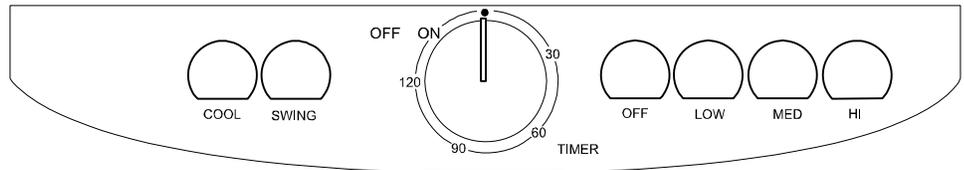
1. Place the ice pack in your freezer.
2. After the ice pack is frozen, open the water tank and place it inside the water tank.



## Operating Instructions

After connecting the air cooler's power plug to an outlet, the unit will be ready to be operated.

### Control Panel Operation



#### Power

To power the unit on, switch the Timer Dial to the “ON” position. Press on the LOW, MED, or HI buttons to set the fan speed.

To turn the unit off, press the OFF button or turn the dial to the “OFF” position.

#### Cool

The Cool button is used to turn the water pump on or off. The unit pumps water from its water tank over the evaporative wick. As air is drawn past this water, the endothermic effects of evaporation result in cooling.

**Caution: Never run the unit in cool mode if the water tank is empty. This may cause damage to your water pump.**

#### Swing

The Swing button is used to turn the oscillation function on or off. The louvers will automatically direct airflow from left to right when the Swing button is pressed.

#### Timer

The timer can be used to turn the unit off automatically. The timer is adjustable up to 2 hours. To use the timer, simply turn the dial to the 30, 60, 90 or 120 marks. The unit will run for the amount of time that was set and then it will shut off.

#### Fan Speed Buttons

Press the LOW, MED, or HI buttons to adjust the fan speed.

#### Louver Control

Press the SWING button to start the vertical louvers moving from side to side. To stop the louvers, press the SWING button again. You can change the air direction up or down by manually adjusting the horizontal louvers.

Notes: Do not allow the air intake to be near walls or curtains, otherwise the wind and cooling effect may be reduced because of blocked air flow. Do not expose the unit to direct sunlight.

## Draining the unit

Follow the steps below to drain the unit:

1. Unlock the water tank.
  2. Remove the water tank and drain the water.
  3. Dry the water tank with a soft cloth.
  4. Reinsert the water tank.
  5. Lock the water tank.
- 

## Cleaning and Maintenance

Clean the air cooler, pre-filter and water tank regularly to maximize performance and efficiency, and prolong the unit's life. Be sure to always unplug the air cooler from the power outlet before cleaning.

### *Cleaning the unit*

Use a soft dry cloth to wipe the body clean. If necessary, use lukewarm water to dampen a cloth to clean the unit. Use a soft bristle brush and vacuum cleaner to clean between the air vents.

Never use abrasive chemicals, volatile substances, gasoline, detergents, chemically treated cloths, or other cleaning solvents that may damage the exterior.

Never spray water directly on the unit.

### *Cleaning the water tank*

Depending on environmental conditions, the water tank may require cleaning as frequent as every 2 weeks up to every 2 months. If the tank becomes dirty, develops mildew, or acquires hard water deposits, unplug the unit, remove the water tank and carefully clean the inside of the tank with a soft cloth and a mild soap and water solution. Rinse out the solution and drain the water as best as you can.

You may also rinse the water tank with a solution of 2 tablespoons vinegar in  $\frac{1}{2}$  gallon of water.

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### *Preparation for Storage*

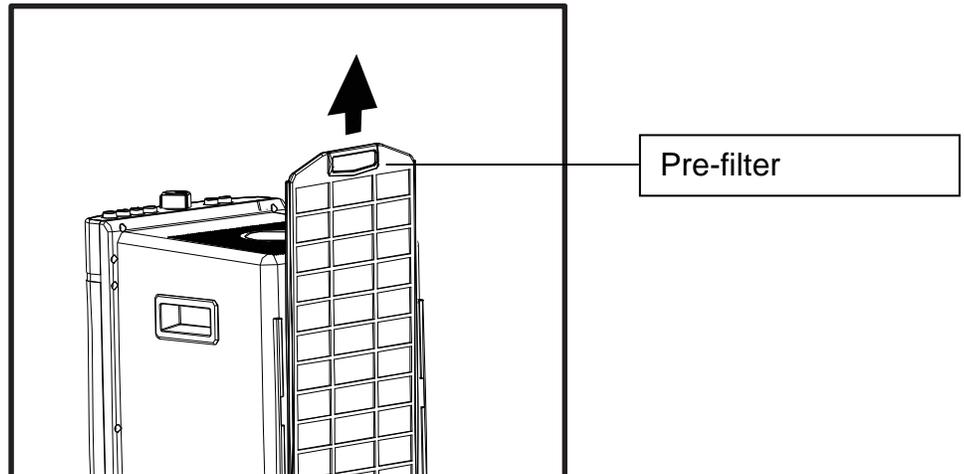
If you are not going to be using the unit for an extended period of time, follow the instructions below before storing your unit:

- 1) Drain all the water from the unit's water tank. Operate the unit in fan mode for a few hours to thoroughly dry any moisture left on the inside of unit.
  - 2) Power off the unit and unplug it.
  - 3) Clean the unit, pre-filter and water tank.
  - 4) Carefully wind the power cord.
-

## ***Pre-filter and Evaporative Wick Maintenance***

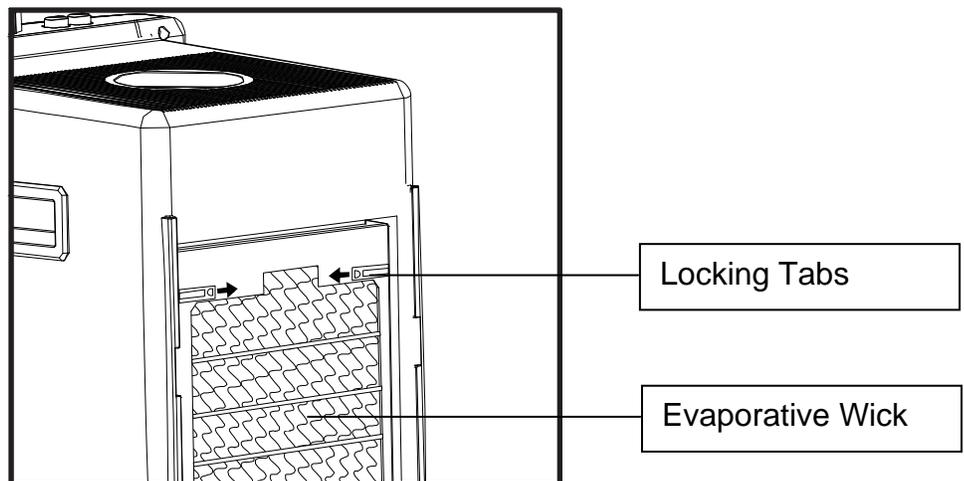
It is necessary to clean the pre-filter and evaporative wick periodically. Depending on the environment, the pre-filter and evaporative wick may need to be cleaned on a weekly or biweekly basis. Note: If the pre-filter is exceptionally dirty, it will restrict the air flow the unit will be able to project.

Follow the steps below to remove and clean the pre-filter and evaporative wick.



1. Slide the pre-filter straight up.

Use a vacuum cleaner with a brush attachment or tap the pre-filter lightly to remove loose dust and dirt, then rinse thoroughly under lukewarm running water (below 104°F). You may use a mild soap and water solution if needed. Allow the pre-filter to air dry completely before reinstalling.



2. After removing the pre-filter, remove the evaporative wick by pressing the locking tabs inward towards the center of the unit. Gently pull the wick out to remove it. Wash the evaporative wick with running water only. Depending on environmental conditions and amount of use, you may need to replace the evaporative wick after every season of use.

Caution: Do not use pressure washers to clean the wick.

## Troubleshooting

Follow the troubleshooting guide below to resolve common issues.

<b>Issue</b>	<b>Possible Cause</b>	<b>Solution</b>
My air cooler is not functioning at all	Unit is not receiving power	Make sure the unit is plugged in
	Insufficient power	Move the unit to another outlet. Check your circuit breaker. (Refer to the rating label on the back of the unit to determine the Amperage draw)
	Control panel is disconnected	Contact customer service
My air cooler is making a loud noise	The unit is not level	Make sure the unit is on a level surface
	A foreign object has jammed the fan	Unplug the unit and remove the object from the fan
	The floor below the unit is uneven	Move the unit to a level surface
My air cooler is making a constant ticking noise	The timer is enabled	Allow the timer up to 2 hours timer to reset
My air cooler is leaking	Cracked water tank	Contact the retailer as this may be shipping related
My air cooler is "spitting water"	The unit is in a high humidity environment and is not able to evaporate all the water into the air	Lower the fan speed, or turn off the water pump
My air cooler does not lower the temperature of the room	The unit is intended for personal use, not to cool an entire room	For room size cooling you would require an air conditioner

## Specifications

Description of product	Evaporative Air Cooler
Model	KAC40BL
Voltage/Frequency	120V, 60Hz
Input Power	60W
Color	Black
Timer	2 Hour
Dimensions WxDxH	9 ½" x 11 ¼" x 27"
Weight	12.2 lbs

# EdgeStar Limited Warranty

## One (1) Year Parts & Ninety (90) Days Labor

This product is warranted by EdgeStar to be free from defective workmanship and materials, subject to any conditions set forth as follows:

### WHAT IS COVERED:

**LABOR:** For a period of NINETY (90) DAYS from the date of original purchase, labor will be performed free of charge at an authorized EdgeStar repair facility. At its option, EdgeStar will repair the product with new or remanufactured parts, or exchange the defective product with a new, refurbished, or remanufactured product. If a product is replaced, it will carry the remaining warranty of the original product. After the ninety (90) day period, EdgeStar will no longer be responsible for labor charges incurred. 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.

**PARTS:** For a period of ONE (1) YEAR from the date of original purchase, 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.

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.

### 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 charges incurred 91 days or more after the date of original purchase.
- The use of EdgeStar products in commercial settings.
- Optional accessories, attachments, and appearance items.
- 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 or defaced. Products with serial numbers that have been invalidated.

### OBTAINING WARRANTY SERVICE:

If you believe your product is defective, contact EdgeStar Customer Support for troubleshooting assistance and warranty service at 1-866-319-5473. Please have your serial number and proof of purchase available. 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 repair facility. The purchaser is solely responsible for prepaying all shipping related costs to and from the 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, EXPRESSED 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.

# **Koldfront**

By

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

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