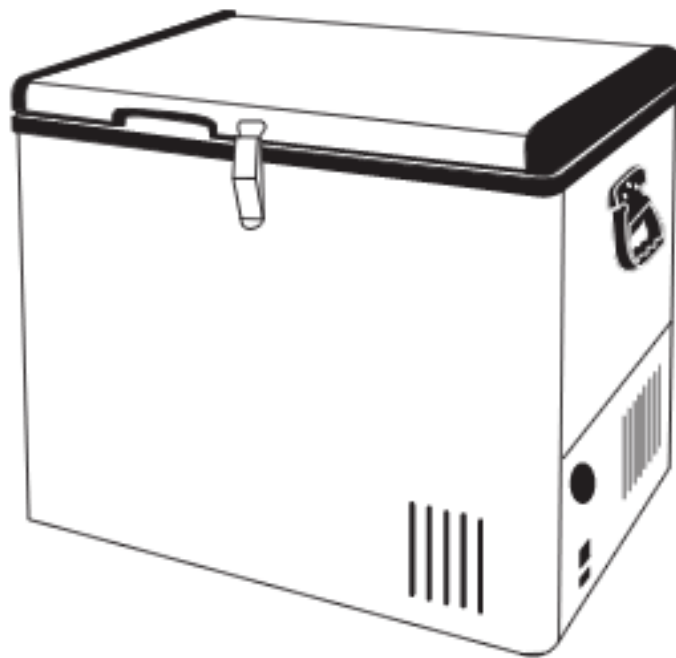




# Portable Fridge/Freezer



## KF430

### Owner's Manual

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

## Important Safety Information

Improper handling can cause serious damage to the Koldfront Portable Fridge/Freezer and/or injury to the user. This fridge/freezer is designed for domestic indoor use only. **Do not use the unit for industrial or commercial use.** Any other use may invalidate the warranty. 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.
- Use outlets that cannot be turned off by a switch or pull chain.
- Never pull the power cord to disconnect it from the outlet. Grasp the plug directly and pull it from the outlet.
- Never lift or carry the freezer by the power cord.
- Keep the power cord away from heated surfaces.
- Always turn the unit off and unplug it from the outlet when cleaning.
- Do not operate the unit with a power plug missing the ground plug, a damaged cord or a loose socket.
- Be sure the portable freezer is properly grounded.
- Never handle/operate the unit with wet hands or standing on a wet surface.
- Keep protected from rain, sleet, snow, and/or moisture.
- Do not bypass, cut or remove the grounding plug.
- Do not use extension cords or power strips with this unit, plug directly into 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.
- 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, please contact our service team.
- Do not pinch or kink the power supply line between the unit and cabinet.



### General Safety

- To prevent back and other types of injuries, use at least two people to move the portable freezer.
- When positioning the portable freezer, ensure that there is at least a 2" clearance at sides and a 4" clearance at the rear of the unit allowing proper ventilation of heat.
- To ensure temperature will not increase dramatically close the freezer lid immediately.
- This unit is not intended to be used by children and should be supervised to ensure that they do not play with this product.
- Never allow children to crawl inside the unit. If disposing the unit, remove the door.
- If your model of portable freezer is equipped with a lock, be sure to keep the keys away from children.
- Do not place the unit near heat sources such as ovens, grills, or direct sunlight.
- 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 turn the unit upside down, on its side, or at an angle beyond 30 degrees.
- Only use in an upright position on a flat, level surface.
- Make sure unit is on a stable surface able to withstand the weight of the unit and all of its contents.
- Do not move the unit without emptying the contents and securing the door in a closed position.
- The cord should be secured behind the unit and should not be left exposed to avoid damage and/or injury.
- Unplug the unit if it is not going to be used for an extended period of time.

**Note:** 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.

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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 wine refrigerator for the latest technical information.**

## Introduction

Thank you for purchasing this Koldfront portable fridge/freezer. 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 portable fridge/freezer. 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 wine 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: \_\_\_\_\_

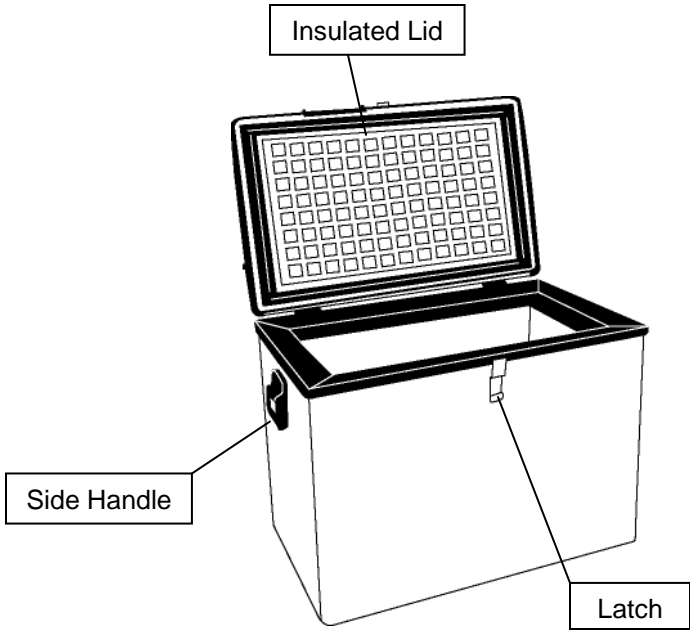
Date of Purchase: \_\_\_\_\_

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

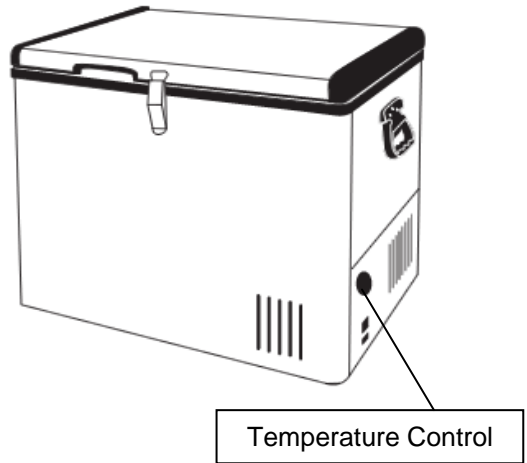
- If you received a damaged product, immediately contact the retailer or dealer that sold you the product.
- Read and follow this instruction manual carefully to help you install, use and maintain your portable fridge/freezer.
- Read the troubleshooting section of this manual as it will help you diagnose 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

## Open View

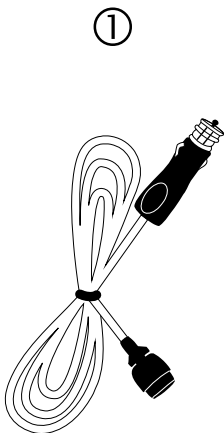


## Closed View

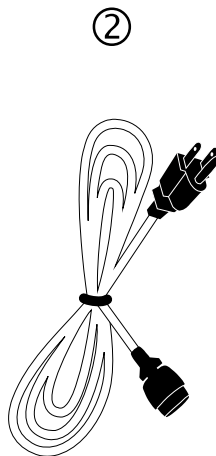


## Accessories

1. DC Power Cord- For use when traveling, plug directly into car lighter.
2. AC Power Cord- For use at home, plug directly into grounded outlet.
3. Interior Wire Basket



DC Power Cord



AC Power Cord



Small Basket

## Proper Location

**NOTE:** Because this unit is compressor based, ample space is required around the unit to allow it to exhaust properly.

- Position your portable freezer in a location where there is proper air circulation and electrical connections.
- Keep the portable freezer away from heat and direct sunlight if possible.
- This portable freezer is suitable for car use and camping however, the appliance should not be exposed to rain or any other severe weather elements.
- This portable freezer should not be placed in a built-in or recessed area. It is designed to be freestanding.
- The normal operation of the freezer depends on heat radiation from the condenser. For the initial use, remove all packaging and allow at least 6" of room around the freezer (2" inches at side, 4" at rear of unit).

---

## Handling and Installation

1. Remove all interior and exterior packaging.
2. Position the freezer in a dry and well-ventilated place. Keep the freezer away from direct sunlight, heaters and corrosive gas.
3. Clean the interior surface with a little bit of lukewarm water and a soft cloth.
4. When inserting the AC power-cord into the power socket, make sure the power socket is a grounded 115V~AC / 60Hz socket. Also make sure that the unit's grounding prong has not being tampered with.

**Note:** When inserting the DC power-cord, make sure the input is a 12V~DC / 24V power source.

5. When moving the freezer, always use both handles to the carry the unit as level as possible. This is in order to protect the compressor and the sealed system.

**WARNING:** Use two or more people to move and handle this unit. Failure to do so can result in back or other injury. Carefully remove the packaging materials and any shipping tape before using.

**IMPORTANT:** Do not remove any safety, warning, or product information labels from your portable fridge/freezer.

## Operating Your Portable Freezer

### *Test Run*

#### DC input power

- When attempting to plug your portable freezer into a standard 12 V socket, the unit will not work if socket has a voltage of less than 10.4 V. The unit will restart when the voltage is 11.8V or greater.
- When attempting to plug unit into a standard 24 V socket, the unit will not work if the socket has a voltage of less than 22.5 V. The unit will restart when the voltage is 24.2 V or greater.

### *Understanding the Temperature control setting*

Your portable freezer uses a manual control system for adjusting the thermostat.



The manual knob allows you to adjust the internal temperature of the fridge/freezer by turning the knob from COOLER to FREEZER, or vice versa. The temperature range can be adjusted between -8°F and 50 °F.

To keep the fridge/freezer at a warmer fridge temperature, keep the knob all the way to the left. You can adjust the internal temperature by slowly turning the knob to the right. To reach a maximum low freezing temperature, turn the knob fully to the right onto the FREEZER setting.

## ***Food Storage***

**Note:** Do not use the refrigerator-freezer as refrigerator when the ambient temperature is lower than 41°F

Fresh foods should not be stored together with frozen foods. When the temperature is set below 32°F, do not keep glass-bottled drinks such as beer and lemonade, as the bottles might shatter.

## ***Defrosting and Deodorizing***

When the ice layer on the inner cabinet sides is over 0.2", the defrosting operation should be performed to improve the refrigerating efficiency. To do this, follow these steps below:

**Note:** Never remove ice with a sharp object or screwdriver.

1. Turn off the power, and remove all items located within the chest.
2. Allow the ice to completely melt and discard water.

**Tip:** To remove bad odors place a piece of charcoal in the chest



## Normal Sounds

Your new portable fridge/freezer 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.

- It is normal to hear gurgling sounds caused by the flow of refrigerant when each cooling cycle ends.
- The surface temperature of the compressor can reach 158-194°F when running.
- The noise emitted by the cooling fan on the condenser is a normal function.
- It is normal for the fan in the power supply to run all the time.

---

## Storage of Portable Freezer

If the portable fridge/freezer will not be used for a long time it will be necessary to defrost the unit and dry the interior.

1. Disconnect the freezer from the power supply by removing the power plug from the wall socket.
2. Leave the freezer lid 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 freezer.

**Note:**

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

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## Cleaning and Maintenance

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

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

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.

### Always make sure to:

1. Disconnect power to the unit.
2. Open the door and remove the contents and baskets.
3. Wait until the unit defrosts.
4. With a clean cloth, wipe down the interior of the unit.

**Note:** Do not use solvent based or abrasive cleaners.

## TROUBLESHOOTING

Follow the troubleshooting guide below to resolve common issues.

Issue	Possible Cause	Solution
Unit is not functioning at all and shows no signs of power.	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)
	AC power cord	Test with a different cord. If unit works, replace the AC power cord.
	DC power cord	Test the unit with another power supply, e.g. another vehicle with a known working DC power outlet.
	Disconnected wire	Contact customer service
Unit is making strange noises	Some noises are normal	Review the normal sounds section of this manual.
	The unit is not level	Move the unit to a level surface
Unit is making a loud continuous metallic knocking or pinging sound	Unit may have been shipped on its side	Shut off the unit. Let the unit sit on a level surface for at least 24 hours and restart.
	Damaged compressor	Contact customer service
Unit runs for a little while and then it trips the power cord or the circuit breaker	The unit may be plugged into an outlet that cannot supply the correct amount of current	Contact an electrician if the unit works in a different room or circuit
The control panel lights blink randomly	Unit may have a faulty control panel	Restart the unit, and if issue persists, contact customer service
Unit has an HH error	Ambient temperature has exceeded 104°F	Restart the unit, and if issue persists, contact customer service
Unit has an OC error	Thermostat error was detected	Restart the unit, and if issue persists, contact customer service
Unit has a SC error	A short circuit in thermostat detected	Restart the unit, and if issue persists, contact customer service
Unit has power, but the compressor does not run	Ambient temperature is too low	Move the unit to a warmer location.
	Disconnected wire	Contact customer service

## Specifications

Description of product	Portable Fridge Freezer
Model	<b>KF430</b>
Voltage/Frequency	AC- 115V~60Hz DC- 12/24V
Amperage	.75A
Input Power	65W
Color	Black with black trim
Storage Capacity	43 qt
Refrigerant	R134a
Temperature Range	-8°F to 50 °F
Dimensions (Height x Width x Depth )	20 13/16" x 24 11/16" x 17 11/16"
Weight	45.2 pounds

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

Specifications are subject to change. Check the rating label on the ice maker for the most accurate information.

# 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, 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.

# ***Koldfront***

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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>**

Product contents and specifications may change without notice.

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