

BLACK DIAMOND®



BDCF-19-CG

Glass Top Chest Freezer Instruction Manual

This manual contains important information regarding your unit. Please read this manual thoroughly prior to equipment set-up, operation, and maintenance. Failure to comply with regular maintenance guidelines outlined in this manual may void the warranty.

IMPORTANT SAFEGUARDS

Please read all the instructions to familiarize yourself with all the parts and operations before use.



This is the Safety Alert Symbol. This symbol alerts you to potential hazards that can kill or injure you and others. All safety messages will follow the Safety Alert Symbol and either the words "DANGER", "WARNING" or "CAUTION".



Danger means that failure to heed this safety statement may result in severe personal injury or death.



Warning means that failure to heed this safety statement may result in extensive product damage, serious personal injury, or death.



Caution means that failure to heed this safety statement may result in minor or moderate personal injury, or property or equipment damage.

All safety messages will alert you to what the potential hazard is, tell you how to reduce the chance of injury, and let you know what can happen if the instructions are not followed.



Before the chest freezer is used, it must be properly positioned and installed as described in this manual, so read the manual carefully.

To reduce the risk of fire, electrical shock or injury when using the chest freezer, follow basic precautions, including the following:



- Plug into a grounded 3-prong outlet, do not remove grounding prong, do not use an adapter, and do not use an extension cord.
- It is recommended that a separate circuit, serving only your refrigerator be provided. Use receptacles that cannot be turned off by a switch or pull chain.
- Never clean refrigerator parts with flammable fluids. These fumes can create a fire hazard or explosion. And do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance. The fumes can create a fire hazard or explosion.
- Before proceeding with cleaning and maintenance operations, make sure the power line of the unit is disconnected.
- Do not connect or disconnect the electric plug when your hands are wet.
- Unplug the refrigerator or disconnect power before cleaning or servicing. Failure to do so can result in electrical shock or death.
- Do not attempt to repair or replace any part of your refrigerator unless it is specifically recommended in this manual. All other servicing should be referred to a qualified technician.



DANGER or WARNING: Risk of child entrapment.

- Child entrapment and suffocation are not problems of the past. Junked or abandoned appliances are still dangerous, even if they will “just sit in the garage a few days.”
- **Before you throw away your old freezer:**
 - Take off the doors.
 - Leave the shelves in place so that children may not easily climb inside.
 - Never allow children to operate, play with, or crawl inside the appliance.
- Never clean appliance parts with flammable fluids. The fumes can create a fire hazard or explosion.
- Do not store or use gasoline or any other flammable vapors and liquids in the vicinity of this or any other appliance. The fumes can create a fire hazard or explosion.
- Save these instructions-



WARNING

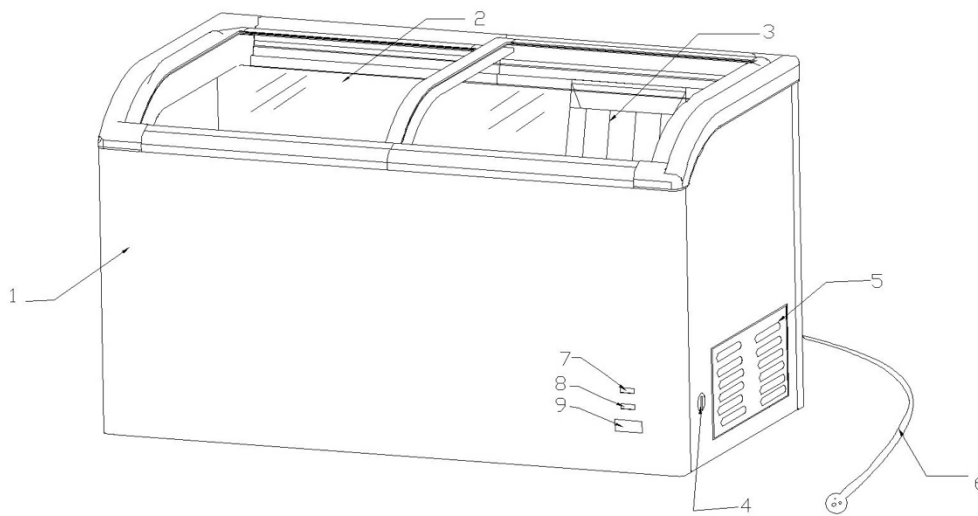


- Use two or more people to move and install refrigerator. Failure to do so can result in back or other injury.
- To ensure proper ventilation for your refrigerator, the front of the unit must be completely unobstructed. Choose a well-ventilated area with temperatures above 60°F (16°C) and below 90°F (32°C). This unit must be installed in an area protected from the element, such as wind, rain, water spray or drips.
- The unit should not be located next to ovens, grills or other sources of high heat.
- The unit must be installed with all electrical connections in accordance with state and local codes. A standard electrical supply (115 V AC only, 60 Hz), properly grounded in accordance with the National Electrical Code and local codes and ordinances is required.
- Do not kink or pinch the power supply cord of refrigerator.
- The fuse (or circuit breaker) size should be 15 amperes.
- It is important for the unit to be leveled in order to work properly. You may need to make several adjustments to level it.
- Do not use solvent-based cleaning agents or abrasives on the interior. These cleaners may damage or discolor the interior.

General Safety

- This product is for **COMMERCIAL USE ONLY**.
- **DO NOT** use this unit for other than intended use.
- **DO NOT** operate unattended.
- **DO NOT** operate the unit outdoors.
- **DO NOT** operate the unit after it has malfunctioned or been damaged in any way.
- **DO NOT** use unit with a damaged cord or plug, in the event the appliance malfunctions, or has been damaged in any manner.
- Check that your outlet and voltage are correct for the plug type before operating the unit.
- Any incorrect installation, alterations, adjustments and/or improper maintenance can lead to property loss and injury.
- All repairs should be done by authorized professionals only.

Parts and Features



1. Cabinet
2. Sliding Glass Doors
3. Basket
4. Thermostat Knob
5. Compressor Cover
6. Power Cord
7. Yellow Switch
8. Green Light
9. Temperature Display

Before Installation

Inspect the Packaging:

- Examine the unit's packaging for any signs of damage that may have occurred during shipping. If damage has occurred, please reach out to the manufacturer immediately.

Unboxing:

- Open the packaging with care. Use scissors or a box cutter to cut open the box, ensuring you do not damage the griddle or its components.
- Remove the exterior and interior packing.

Check to be sure you have all the following parts:

- Storage Baskets (quantities depending on the model)
- 2 keys
- 1 Instruction Manual
- 1 Plastic Scraper

Before connecting the freezer to the power source:

- Let it stand upright for **approximately 2 hours**.
 - This will reduce the possibility of a malfunction in the cooling system from handling during transportation.
- Clean the interior surface with lukewarm water using a soft cloth.

Installation

- This appliance is designed to be free standing only, and should **not** be recessed or built-in.
- Place your appliance on a floor that is strong enough to support the appliance when it is fully loaded.
- Allow **5 inches** of space between the back and sides of the appliance, which allows the proper air circulation to cool the compressor and condenser.
- Locate the freezer away from direct sunlight and sources of heat (stove, heater, radiator, etc.).
 - Direct sunlight may affect the acrylic coating and heat sources may increase electrical consumption. Extreme cold ambient temperatures may also cause the freezer not to perform properly.

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- Avoid locating the appliance in moist areas.
 - Too much moisture in the air will cause frost to form quickly on the evaporator requiring more frequent defrosting of the freezer.
- Plug the appliance into an exclusive properly installed grounded wall outlet.
 - Do not under any circumstances cut or remove the third (ground) prong from the power cord. Any questions concerning power and or grounding should be directed toward a certified electrician or an authorized service center.
- After plugging the appliance into a wall outlet, allow the unit to cool down for **2~3 hours** before placing food in the freezer compartment.

Electrical Connection



Improper use of the grounded plug can result in the risk of electrical shock. If the power cord is damaged, have it replaced by an authorized Alamo Products service center.

- This appliance should be properly grounded for your safety. The power cord of this appliance is equipped with a three-prong plug which mates with standard three prong wall outlets to minimize the possibility of electrical shock.
- Do not under any circumstances cut or remove the third ground prong from the power cord supplied.
- This freezer requires a standard 115Volts~/60Hz electrical outlet with three-prong ground.
- The cord should be secured behind the freezer and not left exposed or dangling to prevent accidental injury.
- Never unplug the freezer by pulling the power cord. Always grip the plug firmly and pull straight out from the receptacle.
- This equipment is intended for the storage and display of packaged products only.

Extension Cord

- Because of potential safety hazards under certain conditions, it is strongly recommended that you do not use an extension cord with this unit. However, if you must use an extension cord it is absolutely necessary that it be a UL/CUL-Listed, 3-wire grounding type appliance extension cord having a grounding type plug and outlet and that the electrical rating of the cord be 115 volts and at least 10 amperes.
- Do not use an extension cord with this freezer. If the power cord is too short, have a qualified electrician or service technician install an outlet near the freezer.

Surge Protector

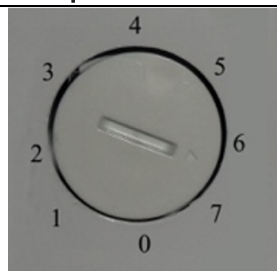
- Most electrical appliances use a series of electric control boards to operate. These boards are very susceptible to power surges and could be damaged or destroyed.
- If the appliance is going to be used in an area or if your city / country is prone to power surges / outages; it is suggested that you use a power surge protector for all electrical devices / appliances you use. The surge protector that you select must have a surge block high enough to protect the appliance it is connected to. If you have any questions regarding the type and size of surge protector needed contact a licensed electrician in your area.
- Damages due to power surges are not considered a manufacturer covered defect and will void your product warranty.

Operation



1. The yellow switch is controlled within the LED light.
2. The green light indicates that the freezer is properly connected to the electrical power.
 - The light indicates power supply and will glow even if the temperature control dial is turned to "0", or the compressor has failed to work and the compartment is not being cooled.

Temperature Control



- Your freezer has one control for regulating the temperature.
- The temperature control is located on the lower left corner of the right side.
- The range of the temperature control is from position "1" the warmest to "7" the coldest.
 - The temperature control 0~7 does not mean a specific temperature.
 - Turn the knob clockwise - the temperature inside will go down.
 - Turn the knob counterclockwise - the temperature will rise.
- Adjust the temperature control to the setting that best suits your needs.
- The setting of "4" should be correct for home or office freezer use.
- The first time you turn the unit on, switch on the "7" and run for at least 2 hours before putting frozen foods inside. This will ensure the cabinet is thoroughly chilled before food is put in.

NOTE:

- If the unit is unplugged, lost power, or turned to "0"; you must wait 3 to 5 minutes before restarting the unit. If you attempt to restart before this time delay, the freezer will not start.
- Large amounts of food will lower the cooling efficiency of the appliance.
- If you choose to change the thermostat setting, adjust thermostat control by one numerical increment at a time. Allow several hours for temperature to stabilize between adjustments.

Defrosting Your Freezer

- When? For the most efficient operation and minimum energy consumption, defrost the freezer when the frost on the freezer walls is excessive or ¼ to ½ inch thick.
- Choose a time when the stock of frozen food is low.

Do not use boiling water because it may damage the plastic parts. In addition, never use a sharp or metallic instrument to remove frost as it may damage the cooling coils and will void the warranty. We recommend using the plastic scraper provided with your unit.

CAUTION

- Remove the frozen food from the freezer and place it in a cooler to protect the food.
- Turn the thermostat knob to "0".
- Unplug the freezer. The Power Supply light should be OFF.
- During the defrost process, the ice melts into the cabinet.
- Remove the drain plug on the inside floor of the freezer by screwing out.

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- Place a shallow pan outside drain outlet. The defrost water will drain out.
- Check the pan occasionally so the water does not overflow.
- Clean the interior of the freezer.
- Replace the plug on the inside floor, The Power Supply light should be ON.
- Reset the thermostat to desired setting.
- Allow the cabinet to cool for one hour.
- Switch on the "7" for a minimum of 2 hours.
- Return food to the freezer.

Helpful Hints:

- Defrosting usually takes a few hours. Leaving the door open will help speed the process.
- Pouring warm water (not boiling) on the ice/frost will help speed melting.
- If you must use a scraper- please use caution - it is very easy to damage the freezer compartment and void your warranty.

Freezer Compartment

- This compartment is designed for the long-term storage of frozen food.
 - Storage time is up to three months.
- The storage life of frozen foods varies, and the recommended storage time should not be exceeded. The instructions regarding the care of frozen foods should be followed when defrosting the freezer.
- Pre-packed commercially frozen food should be stored in accordance with the frozen foods manufacturer's instructions for a three-star frozen food storage compartment or home freezer.
- Place frozen food into the freezer as quickly as possible after purchase. If there are instructions on the packet, carefully follow these instructions regarding storage times.
- The freezer door is susceptible to breaking due to excessive ice build up. Be sure to defrost when the ice reaches ¼ to ½ inch thick.
- A storage basket is provided for the organization of odd-shaped items. To reach other packages in the freezer, just slide the basket to one side, or lift it out.

Door Lock

- Your unit is provided with a lock and key combination. The keys are located inside the plastic bag that contains the User's Guide. Insert the key into the lock and turn it counterclockwise to lock the door. To unlock the door do the reverse operation making sure metal pin is engaged completely. Remove the key and place it in a secure place for safekeeping.

Maintenance

Cleaning Your Freezer

1. Upon installation of your new appliance, it is recommended that it be cleaned thoroughly.
2. Turn the temperature control to "0", unplug the freezer, remove the food and storage baskets.
3. Wash the inside with a damp warm cloth containing a water and baking soda solution.
 - The solution should be about 2 tablespoons of baking soda to a quart of water.
4. Wash the storage baskets with a mild detergent solution.
5. Be sure to keep the door gasket (seal) clean to keep the unit running efficiently.
6. The outside of the freezer should be cleaned with mild detergent and warm water.
7. Dry the interior and exterior with a soft cloth.
8. The condenser coils should be vacuumed when they are dusty or dirty.
9. It is recommended that the unit be cleaned each time it is defrosted to help keep the unit odor free and running efficiently.

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Unit Not In Use

- Use extreme caution in the case of children. The unit should not be accessible to child's play.

Less Than Three Weeks:

- Leave the freezer operating as-is.

Three Weeks or More:

- Remove all food and unplug the power cord.
- Clean and dry the interior thoroughly.
- To prevent odor and mold growth, leave the door open slightly: blocking it open if necessary or have the door removed.

Moving Your Freezer

- Remove all the food.
- Securely tape down all loose items inside your freezer.
- Remove the rollers to prevent damage
- Tape the doors shut.
- Be sure the freezer stays in the upright position during transportation.

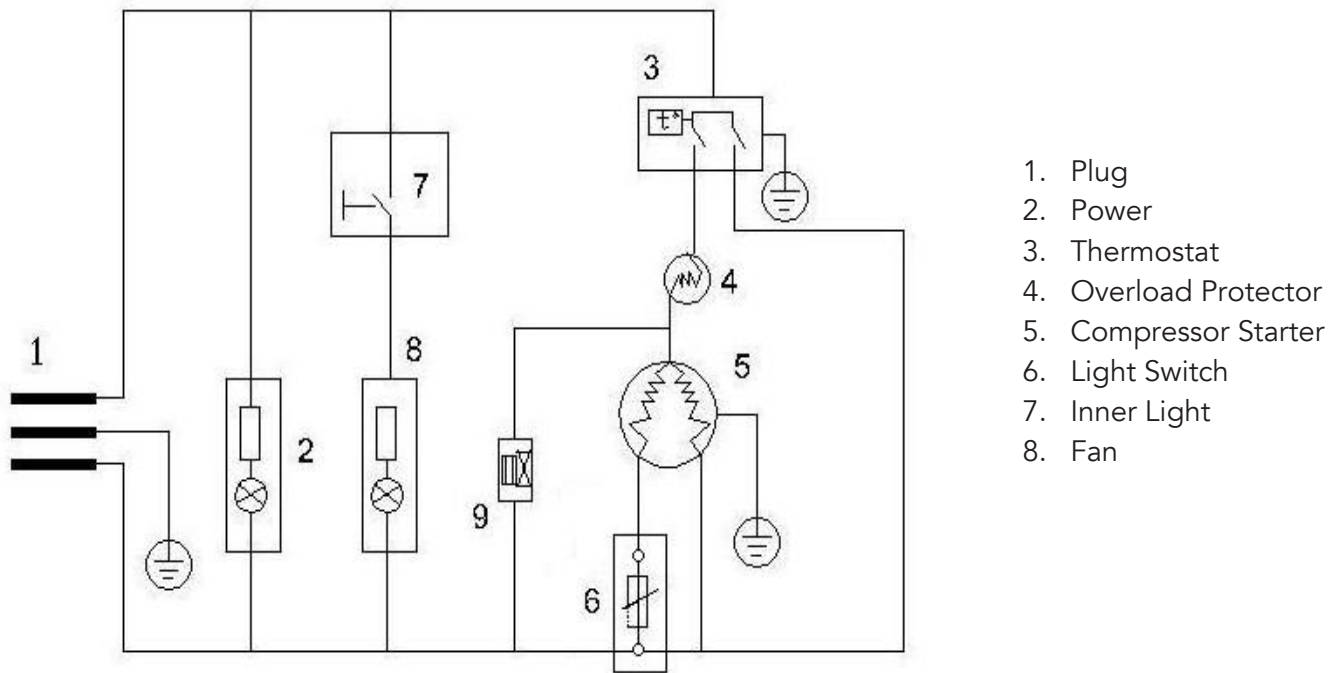
Energy Saving Tips

- The freezer should be in the coolest area of the room, away from heat producing appliances or heating ducts, and out of the direct sunlight.
- Let hot foods cool to room temperature before placing in the freezer.
 - Overloading the freezer forces the compressor to run longer. Foods that freeze too slowly may lose quality, or spoil.
- Be sure to wrap foods properly, and wipe containers dry before placing them in the freezer. This cuts down on frost build-up inside the freezer.
- Freezer storage bin should not be lined with aluminum foil, wax paper, or paper toweling. Liners interfere with cold air circulation, making the freezer less efficient.
- Organize and label food to reduce door openings and extended searches.
- Remove as many items as needed at one time and close the door as soon as possible.

Specifications

Model	BDCF-19-CG
Number of Doors	2
Number of Storage Baskets	6
Number of Casters	4
HP	1/5
Electrical	115V ~ 60Hz – 295W (2.4A)
Plug Type	NEMA 5-15P
Cord Length (in.)	70"
Temperature Range (°F)	-4°F to 3.2°F
Refrigerant Ounces	3.88 oz
Refrigerant Type	R290
Unit Dimensions (in.)	26.8" x 71.5" x 33.9"
Product Weight (lbs.)	189.6

Circuit Diagram



Troubleshooting

PROBLEMS WITH YOUR FREEZER ?

You can solve many common freezer problems easily, saving you the cost of a possible service call. Try the suggestions below to see if you can solve the problem before calling the servicer.

PROBLEM	POSSIBLE CAUSE
Freezer does not operate.	Not plugged in. The circuit breaker tripped or blown fuse. The freezer temperature control is set at "0".
Compressor turns on and off frequently.	The room temperature is hotter than normal. A large amount of food has been added to the freezer. The door is opened too often. The door is not closed completely. The temperature control is not set correctly. The door gasket does not seal properly. The freezer does not have the correct clearances. The freezer has recently been disconnected for a period of time. Four hours are required for the freezer to cool down completely.
Temperature inside the freezer is too warm.	Temperature control is set too warm. Turn the control to a cooler setting and allow several hours for the temperature to stabilize. Door is kept open too long or is opened too frequently. Warm air enters the freezer every time the door is opened. Open the door less often. The door is not closed completely. The door gasket does not seal properly. A large amount of warm or hot food might have been stored recently. Wait until the freezer has had a chance to reach its selected temperature. The freezer has recently been disconnected for a period of time. Four hours are required for the freezer to cool down completely.
Temperature inside the freezer is too cold.	Temperature control is set too cold. Turn the control to a warmer setting and allow several hours for the temperature to stabilize. switch on the "7", This causes continuous running of the compressor and bypasses the temperature control.
Temperature of external freezer surface is warm.	The exterior freezer walls can be as much as 30oF warmer than room temperature. This is normal while the compressor works to transfer heat from inside the freezer cabinet.
Popping or cracking sound when compressor comes on.	Metal parts undergo expansion and contraction, as in hot water pipes. This is normal. Sound will level off or disappear as freezer continues to run.
Bubbling or gurgling sound, like water boiling.	Refrigerant (used to cool freezer) is circulating throughout the system. This is normal.
Vibrations.	Check to assure that the freezer is not on a level surface. Floor is uneven or weak. Freezer rocks on the floor when it is moved slightly. Be sure floor can adequately support freezer. Level the freezer by putting wood or metal shims under part of the freezer. The freezer is touching the wall. Re-level the freezer and move it from the wall. See "Installation Instructions"
Moisture forms on inside freezer walls.	Weather is hot and humid, which increases internal rate of frost build-up. This is normal. Door is slightly open. Door is kept open too long, or is opened too frequently. Open the door less often. The door is not sealed properly.
Moisture forms on outside of freezer.	Door is slightly open, causing cold air from inside the freezer to meet warm moist air from outside.
The door will not close properly.	The freezer is not on a level surface. The gasket is dirty. The storage basket is out of position.



REFRIGERATION 1/1 WARRANTY

Freezers: Chest, Merchandiser | Refrigerator: Cake Displays, Countertop Display Cases, Countertop Merchandisers

ONE (1) YEAR LIMITED WARRANTY ON PARTS AND APPROVED STRAIGHT-TIME LABOR

ONE (1) YEAR WARRANTY ON COMPRESSOR AND EVAPORATOR

(subject to limitations below)

The Legacy Companies (the "Company") warrants this product (the "Product") will be free from defects in material and workmanship under normal use and service as specified by the Company for duration of:

- One (1) Year Limited Warranty on Parts and Approved Straight-Time Labor
- One (1) Year Parts-Only Warranty on Compressor and Evaporator. Extended coverage excludes labor, refrigerant, driers, tubing, recovery costs, and related service expenses unless expressly stated otherwise.

This Limited Warranty is non-transferable.

During the Warranty Period, your exclusive remedy is repair or replacement without charge of the Product or any component found to be defective at the Company's discretion. If the Product or any component is no longer available, the Company will replace it with a similar one of equal or greater value.

The Warranty Period begins on the earliest of: (a) documented installation date; (b) date of purchase; or (c) date of shipment from the Company. In all cases, the Warranty Period shall not begin later than six (6) months after shipment.

The obligation of the Company under this warranty is limited to the repair or replacement, at the Company's sole discretion, of defective parts or assemblies that are reported during the Warranty Period and determined by the Company to be defective but excluding all labor charges (except as provided in the next paragraph).

The Company will cover approved straight-time labor only, performed during normal business hours, for covered defects reported within the applicable labor warranty period. Labor coverage excludes overtime, premium rates, travel exceeding one hundred (100) miles round-trip, multiple service trips, and access delays.

Costs expressly excluded from this warranty include, but are not limited to:

- Adjustments
- Cleaning and/or sanitizing
- Consumable/wearable items, such as gaskets, filters, light bulbs, legs, casters, hinges, non-stick cooking surfaces, etc.
- Labor to remove and/or install replacement equipment
- Disposal of defective equipment
 - Improper or inadequate utility connections, including but not limited to: Voltage outside of data plate specifications
 - Improper gas pressure
 - Improper gas supply
 - Water pressure outside of specified range
 - Poor water quality
 - Non-use or incorrect use of water filtration system
- External drain malfunction.
- Adverse operating conditions as set forth in the owner/user manual for the product.
- Non-authorized modification of the product.
- Improper installation of the product, including installation in a hostile environment
- Improper maintenance, abuse or misuse of the product.
- Causes beyond the reasonable control of the Company, including without limitation fires, freezing, floods and other natural disasters.
- Damage during transit.

No warranty shall apply to any product on which the model or serial number has been altered or removed. Adjustments or modifications to any equipment manufactured by the Company are not covered by this warranty.

This Warranty only extends to the original owner/end user and is not transferable or applicable to products sold through unauthorized channels. This Warranty covers installations for Commercial use only. Installation or use in any residential or non-commercial setting voids all warranty coverage.

This warranty applies to the original installation location only.

IMPORTANT INSTALLATION NOTICE: Equipment installed outdoors or in mobile or non-permanent environments (including food trucks, trailers, RVs, or boats) is limited to a thirty (30) day warranty unless expressly approved in writing by the Company.

All warranty requests are to be made through the Company's Warranty and Technical Service team. All warranty requests shall include the product model and serial number, original installation date and/or Proof of Purchase, photo of the equipment serial number data plate and complete customer identification and location.

Replacement parts may be new or rebuilt at the Company's discretion and are warranted for the longer of ninety (90) days or the remaining original Warranty Period. Company and its agents are expressly permitted to specify rebuilt parts as suitable replacement parts. All replacement parts must be approved Company parts obtained through the Company or a Company approved parts distributor.

THIS WARRANTY IS IN LIEU OF ALL IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, PERFORMANCE, OR OTHERWISE, WHICH ARE HEREBY EXCLUDED. IN NO EVENT SHALL THE COMPANY BE LIABLE FOR ANY DAMAGES, WHETHER DIRECT, INDIRECT, INCIDENTAL, FORESEEABLE, CONSEQUENTIAL, OR SPECIAL ARISING OUT OF OR IN CONNECTION WITH THIS PRODUCT INCLUDING DAMAGES ARISING FOR LOSS OF PROFIT, FOOD OR BEVERAGE SPOILAGE CLAIMS, OR OTHER COMMERCIAL LOSS.

You may have other legal rights depending upon where you live. Some States or Provinces do not allow limitations on warranties so the foregoing may not apply to you.