

Countertop Refrigerated Display Cases

Owner's Manual

ESC47L, ESC47R, ESC59L, ESC59R,
ESC71L, ESC71R, ESC83L, ESC83R



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Hydrocarbon Guidelines

This section applies to R290 Hydrocarbon units only. To identify the refrigerant type, see the data plate in the cabinet interior.

WARNING - THIS UNIT USES R290, A HYDROCARBON, PROPANE REFRIGERANT THAT IS ENVIRONMENTALLY FRIENDLY BUT IS ALSO HIGHLY FLAMMABLE AND EXPLOSIVE. PLEASE READ THIS MANUAL CAREFULLY AND FOLLOW ALL SAFETY PRECAUTIONS CONTAINED HEREIN TO AVOID THE RISK OF FIRE OR EXPLOSION. FAILURE TO FOLLOW THE SAFETY PRECAUTIONS MAY RESULT IN SERIOUS INJURY, OR DEATH, AND/OR PROPERTY DAMAGE.

DANGER - Risk of fire or explosion. Flammable refrigerant used. Do not use mechanical devices or other means to accelerate the defrosting process. Do not puncture refrigerant tubing.

DANGER - Risk of fire or explosion. Flammable refrigerant used. To be repaired only by trained service personnel. Do not puncture refrigerant tubing.

CAUTION - Risk of fire or explosion. Flammable refrigerant used. Consult Service Manual or Owner's Manual before attempting to install or service this product. All safety precautions must be followed.

CAUTION - Risk of fire or explosion. Flammable refrigerant used. Dispose of properly in accordance with federal or local regulations.

CAUTION - Risk of fire or explosion due to puncture of refrigerant tubing; follow handling instructions carefully. Flammable refrigerant used.



PROPANE (R290) IS HIGHLY APPROVED FOR USE AS A REFRIGERANT IN COMMERCIAL, SELF-CONTAINED UNITS IN THE US UNDER LIMITED USE CONDITIONS. IT CAN ONLY BE USED IN NEW EQUIPMENT. BACKFITTING OR MODIFICATIONS OF OLD EQUIPMENT ARE NOT ALLOWED. IT MUST BE CHARGED IN A STRICTLY LIMITED VOLUME OF UP TO 150 GRAMS (5.3 OZ) PER REFRIGERATION CIRCUIT. EVEN THOUGH THIS IS A SMALL AMOUNT, IT STILL PRESENTS A FIRE OR EXPLOSION HAZARD IF IT LEAKS OUT OF PARTS THAT HOLD REFRIGERANT. WHEN IT COMES IN CONTACT WITH AIR, A FLAMMABLE PROPANE-AIR MIXTURE CAN BE CREATED AND EASILY IGNITED BY ELECTRICAL SPARKS, OPEN FLAMES OR HOT SURFACES. THE RISK IS HIGHER IN SMALL, CONFINED, POORLY VENTILATED SPACES. PROPANE WILL SETTLE AT LOWER ZONES BECAUSE IT IS HEAVIER THAN AIR. TO REDUCE THESE RISKS, OBSERVE THE FOLLOWING PRECAUTIONS

- Avoid installation of unit in areas with open flames or in general vicinity of open flames or high surface temperatures.
- Avoid unit installation in small, confined spaces. Ensure ample ventilation at all times. Keep all exhaust vents free of any blockage or obstruction.
- Do not rely on smell to detect potential leaks of propane refrigerant. Propane refrigerant is a high purity propane gas and does not contain odorants or stenching agents. These additives are typically used in fuel-grade propane and natural gas in order to give them a distinctive smell which makes it easier to detect leaks.
- General service and repairs must be performed in well-ventilated areas.
- General service and repairs must be performed only by professionals authorized by Everest Refrigeration.
- Component shall be replaced with Everest-issued, like components to minimize the risk of possible ignition resulting from incompatible parts or improper repairs.
- Do not modify, re-appropriate, or remove any functional part(s) from the unit.
- Handle the unit with care to avoid any damage.
- Practice safety guidelines when transporting the unit. Consult with your local Department of Transportation for requirements in moving flammable gasses.

Installation Instructions

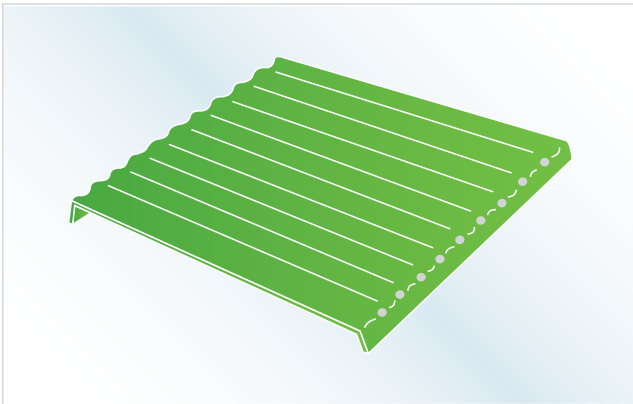
This section applies to all Everest products. Correct installation ensures proper performance and longevity of your appliance. Professional installation by a trained refrigeration technician and electrician is recommended. Warranty is void if the following guidelines are not met.

1. Inspect for any freight damage upon delivery of the unit. If damage is detected, immediately report it to an Everest representative. Everest is not responsible for damage that occurs during shipment.
2. Keep the unit upright at all times. The compressor contains oil, refrigerant, lubricants, and various chemicals. When tilted, these fluids may shift and travel to sections where they don't naturally occur. This will lead to system contamination and compressor failure.
3. Select a location with good air ventilation. Poor ventilation rapidly increases ambient temperature. High ambient temperatures exceeding 86°F (30°C) promote excessive compressor activity in order to maintain the desired cabinet temperature. This will result in decreased performance, advanced component failure, and the risk of fire.
4. Select a location away from heat-generating equipment such as stoves, ovens, etc. Heat sources rapidly increase the temperature of the immediate vicinity. High temperatures exceeding 86°F (30°C) promote excessive compressor activity in order to maintain the desired cabinet temperature. This will result in decreased performance, advanced component failure, and the risk of fire.
5. A distance of 6" is required for left side or right side clearance wherever a unit's condenser coil is located. This ensures proper ventilation and prevents overheating which can lead to advanced component failure or the risk of fire.
6. Select a location with a hard, leveled surface. Use a leveling tool on the unit to ensure proper alignment. Proper door function and condensate removal is dependent on accurate balance.
7. Select a location close to an electrical wall outlet to ensure direct connection without the use of extension cords.
8. Select a location away from severe moisture conditions. This may compromise the unit's electrical components and lead to electrical shocks or the risk of fire.
9. Select a location that will not expose the unit to extremely dusty conditions. Environments with high dust and debris content will significantly hasten condenser coil and condenser coil air filter blockage and will result in decreased performance, advanced component failure, and the risk of fire.
10. Do not build an enclosure or cabinet around the unit. This will restrict air ventilation resulting in elevated compressor activity, decreased performance, advanced component failure, and the risk of fire.
11. The unit is not intended for use in food trucks. Limited space, lack of ventilation, and ambient temperatures exceeding 86°F (30°C) typical to this setting will result in elevated compressor activity, decreased performance, advanced component failure, and the risk of fire.
12. The unit is intended for indoor use only. Outdoor use will cause a decrease in performance, advanced component failure, and the risk of fire.
13. The unit comes with an interior drain hole plug. Keep this plugged in during normal operation and unplug when cleaning the interior to allow water to drain.
14. Install drain hoses to the back of the unit when cleaning the interior.

Food Tray Installation

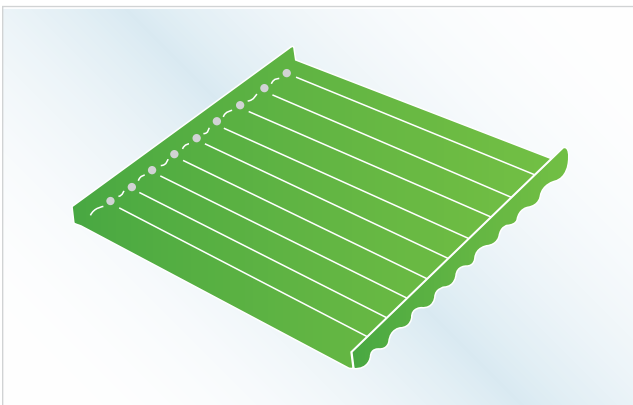
Countertop Refrigerated Display Cases come with adjustable food trays which offer medium to low temperature coverage. The trays are made of durable, food-grade plastic.

Medium Temperature Application (Top Level)



1. Place the tray top side up for medium temperature application.

Low Temperature Application (Bottom Level)



2. Place the tray top side down for low temperature application.

General Safety

This section applies to all Everest products. Use your appliance according to its designed function as specified in this Owner's Manual. Warranty is void if the following guidelines are not met.

- Before the unit is used, it must be installed and connected according to the installation instructions provided in this manual.
- Remove all packaging material and protective vinyl covering from the unit before it is used. These items are flammable and can lead to a fire.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of the unit. Do not store combustible or explosive items and substances such as aerosol cans in or around the vicinity of the unit.
- Do not place objects on or around the exhaust vents of the unit. This can cause overheating which may lead to a fire or explosion. Objects may also fall when opening and closing doors which may lead to serious injury.
- Do not place any weight on top of the unit nor use it as a stand. This can damage the unit's structural integrity.
- If you suspect a refrigerant leak or a compromised refrigeration system, disconnect the unit, and contact Everest Refrigeration immediately.
- When disposing the unit, remove all doors and trays to avoid any risk of injury or entrapment. Ensure that the refrigerant in the condensing unit is properly disposed of by a qualified refrigeration technician according to governmental codes, requirements, and regulations.

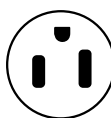


Electrical Safety

This section applies to all Everest products. Basic safety precautions must be observed when using electrical appliances in addition to the following. Warranty is void if these guidelines are not met.

Everest units come as 115 volts, 60 hertz, single phase.

Everest units in this family are equipped with a NEMA 5-15P. A 15 amp breaker must be used for units that come with a NEMA 5-15P plug.



**115/60/1
NEMA 5-15R**

The ground prong must not be removed to reduce the risk of electric shock and related hazards. If the grounding pin is missing, the cord must be removed from use. If the outlet is a standard 2-prong outlet, it must be replaced with the properly grounded 3-prong wall outlet. Only a qualified electrician may install the correct power source.

To guarantee electrical safety, the wall outlet and circuit must be checked by a qualified electrician to make sure it is properly grounded.

Remove debris from the power plug prongs with a soft cloth or brush before connecting it to an outlet.

Assign the unit to a dedicated, undamaged electrical circuit with a voltage rating that matches the data plate. Check the incoming voltage with a multi-meter. This avoids the overloading and overheating of circuit wires which may lead to a fire.

Do not use extension cords, adapter plugs or other third party electrical connections. Everest is not responsible for issues resulting from improper electrical connections, electrical power failures and voltage fluctuations.

Everest does not recommend the use of generators in conjunction with the unit due to voltage fluctuations that may compromise electrical components.

Turn off the unit using the power button before unplugging. Wait at least 5 minutes before re-plugging to prevent damage to the compressor.

Do not unplug the unit by tugging on the power cord. Grip the plug and pull it securely out of the outlet.

Prevent damage to the power cord by providing sufficient clearance around and under the unit. Do not use a power cord that shows cracks or exposed wires. Power cords that have been severely worn or damaged must be replaced with original manufacturer parts and only by an authorized technician.

Operation

Use your Everest product according to its intended functions. Warranty is void if the following guidelines are not met.

Starting your Everest Product

The Countertop Refrigerated Display Case is not equipped with a temperature controller. The interior space is small and therefore does not require auxiliary temperature management.

A few minutes after plugging in the unit, the compressor will cycle on and continuously run until the default temperature setting of 38°F (at 80° F ambient temperature) is achieved.

Allow the unit to operate for 24 to 72 hours before storing contents in the interior. This lets the temperature fully stabilize. Use this time to verify proper installation and operation.

The default temperature setting of 38°F is not adjustable. To display food items at medium-temperature application, mount the food trays top side up. To display food items at low-temperature application, mount the food trays top side down.

Manual Defrost

The Countertop Refrigerated Display Case is not equipped with electronic or mechanical defrost mechanisms. Perform manual defrost daily by emptying food item contents and unplugging the unit for at least 2 hours.

Care and Maintenance

This section applies to all Everest products. Regular care and maintenance of your appliance will significantly extend service life and dependability. In severe cases, lack of upkeep will contribute to the rapid decline in performance and component health. Care and maintenance is the product owner's personal responsibility. Warranty is void if these guidelines are not met.

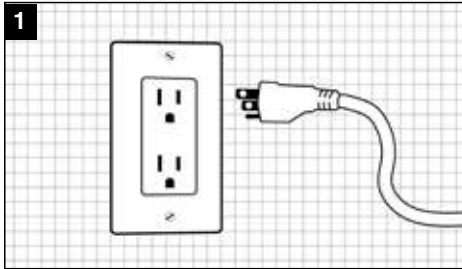
- Unplug the unit before cleaning, repairing or replacing parts.
- Do not spray the exterior of unit with water to avoid electric shock, component malfunction or the risk of fire.
- Do not use any flammable cleaning products on or around the unit to prevent the risk of fire.
- Do not use household or industrial chemical cleaners, acidic or chlorine based solutions, degreasers, wire brushes, scrapers, steel pads, acidic solutions or other abrasive products.
- The unit is equipped with a washable condenser coil filter. The filter builds up lint, dust and grease overtime and will require monthly cleaning. A clogged condenser coil filter will result in decreased performance, advanced component failure and a risk of fire. See page (9) for condenser coil filter cleaning instructions.
- Conduct regular inspection of the sliding door tracks to ensure that the sliding doors are closing properly. Clean any debris that could potentially cause blockage in the tracks.
- Clean the interior of the unit with mild soap and warm water. Remove the interior drain hole plug to allow water to drain out. Ensure that the exterior drain hoses are connected to the rear of the unit. Wipe interior until dry.
- Clean the exterior of the product with mild soap and water. Do not use steel wool, strong acids, concentrated detergents, bleaches, cleaning waxes, polishers and other abrasive cleaners. Do not allow moisture to come in contact with electronic parts to avoid any risk of fire.
- Acidic products and products containing vinegar must be stored in sealed containers to prevent acid damage to the interior of the unit and the evaporator coil. Rust resulting from improper maintenance is not covered under warranty.



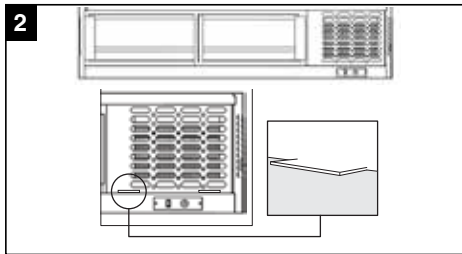
Condenser Coil Air Filter Cleaning Instructions

The condenser coil air filter requires monthly cleaning to keep the mesh clear of lint, dust and grease build-up. A clogged condenser coil air filter severely reduces your product's energy efficiency and places strain on the compressor and other components leading to advanced failure. Cleaning the condenser coil air filter is the product owner's personal responsibility.

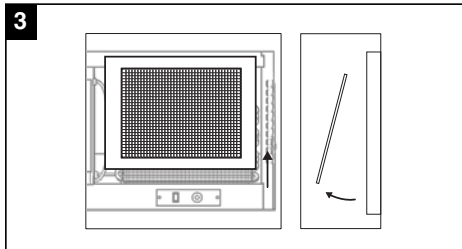
Warranty is void if the following guidelines are not met.



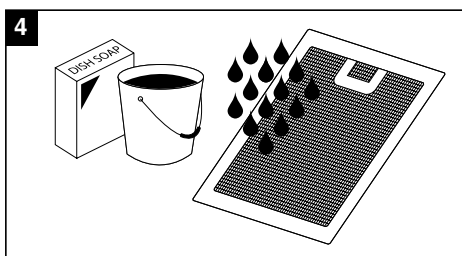
1. Disconnect the unit from the outlet before performing maintenance.



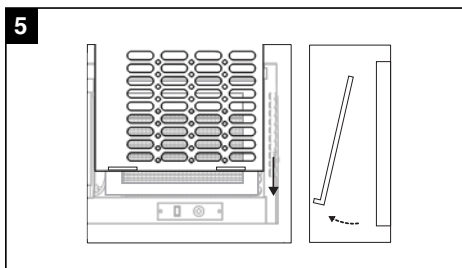
2. Locate the condenser coil grill at the rear of the unit. Push down on the lock tabs on the grill to access the condenser coil air filter. The filter is a black, rectangular, leather-framed mesh suspended over the condenser coil.



3. Push up the condenser coil air filter to detach from the frame.



4. Wash the condenser coil air filter with lukewarm water and dish soap. Rinse thoroughly and allow to dry.



5. Re-insert the condenser coil air filter and secure the condenser coil grill back in place.

Troubleshooting Guide

In most cases, your Everest product may be exhibiting behavior that is typical of standard operation. Observe the following when troubleshooting symptoms.

The compressor or entire system fails to start.

The ON/OFF switch may be set to OFF. Turn on and wait for the motors to show signs of operation.

The power cord may not be connected. Check for proper connection. In cases of damage to the power cord or plug, immediately mark the unit as out of order until the damaged part is replaced.

The outlet may not be sending power or the power supply breaker may be switched off. Unplug the unit and contact a licensed electrician for inspection and/or repairs.

The compressor operates continuously or for prolonged periods.

The condenser coil or condenser coil air filter may be clogged with dust, grime or debris. Clean them following the instructions on page (9).

The sliding doors may not be sealing properly. Check for any blockage in the door tracks or for improper product placement that may prevent the doors from fully closing.

The room's ambient temperature may be higher than 86°F (30°C). Provide ample ventilation or additional cooling to the room or relocate the unit to a larger space with lower ambient temperature.

The unit may be installed in close proximity to heat sources such as ovens, stoves, heaters or direct sunlight. Relocate the unit away from these sources.

The unit may be installed without clearance or proper ventilation. This forces the compressor to operate constantly in order to maintain cabinet temperature. Provide additional exhaust vents and observe the clearance allowance specified on page (3).

The cabinet temperature is too warm.

The condenser coil air filter may be clogged with dust, grime or debris. Clean it following instructions on page (9).

The sliding doors may not be sealing properly. Check for any blockage in the door tracks or for improper product placement that may prevent the doors from fully closing.

Hot food items may have been placed in the cabinet. Store only room temperature food items.

The room's ambient temperature may be higher than 86°F (30°C). Provide ample ventilation or additional cooling to the room. Relocate the unit from extremely small spaces without ventilation.

The unit may be installed in close proximity to heat sources such as ovens, stoves, heaters or direct sunlight. Relocate the unit away from these sources.

The unit may be installed without clearance or proper ventilation. Provide additional exhaust vents and observe the clearance allowance specified on page (3).

Food items are frosting over.

Change to medium temperature coverage by adjusting the placement of the food tray to top side up as specified on page (4).

Condensation in the interior cabinet.

The sliding doors may not be sealing properly. Check for any blockage in the door tracks or for improper product placement that may prevent the doors from fully closing.

Hot food items may have been stored in the cabinet. The interaction between hot and cold temperatures will promote condensation.

Food items may have been stored in the display interior overnight. The unit is not meant for long term storage. Remove food items and turn off the unit for at least 2 hours daily as part of routine maintenance.

Mild condensation in warmer ambient temperature conditions may occur due to frequent or prolonged door operation.

Condensation on the unit's exterior surfaces.

Highly humid environments will contribute to the condensation build up on exterior panels. Providing ample ventilation and air movement to a space will reduce the humidity level.

The sliding doors may not be sealing properly. Check for any blockage in the door tracks or for improper product placement that may prevent the doors from fully closing.

Noise level during unit operation.

It is normal for commercial grade compressors and components to have a higher decibel output compared to residential counterparts.

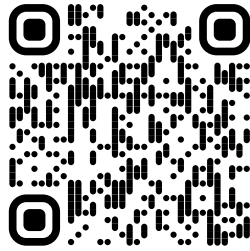
The unit may not be balanced evenly. Poorly leveled units may cause components or fittings to misalign or disengage during operation. This may produce noise as a direct result of repeated surface friction or impact.

Some sounds are normal for the refrigeration process. A dripping sound, for example, is the result of refrigerant circulation during the compressor rest period.

Warranty Registration

Registering your new appliance is important. In the unlikely event a safety notification or warranty service is required, we will have the means to contact you. Your completed appliance registration also verifies your ownership in the event of an insurance loss or theft.


You may register online at www.EVERESTref.com or use your smart phone to scan the QR code below:



1. Open the camera app.
2. Point the camera at the QR code.
3. Scan and launch the QR code.

Product Identification:

The product data plate is a permanently affixed label that contains the model, serial, barcode numbers, and refrigeration data of your Everest product. The tag is located on the rear or side of the unit exterior. Please retain this information for warranty-related purposes.



EVEREST REFRIGERATION

Commercial Refrigerators

MODEL : ESC47L Assembled in Korea

COMPRESSOR : 1/8 HP

REFRIGERANT : R290

* Use of other than specified refrigerant voids warranty

REFRIGERANT CHARGE : 3.17 Oz

ELECTRICAL : 115VX1Phx60Hz


TOTAL AMPS : 3.27A (COMP RUN)

HIGH PRESSURE TEST : 218PSIG.


LOW PRESSURE TEST : 38PSIG.

* Do not clean label with solvent

Serial No:
BTR1XXXXXXXXX



ETL LISTED
CONFORMS TO
ANSI/UL-471 CERTIFIED TO
CAN/CSA C22.2 NO. 120



BB1KD0539A

Warranty Certificate

EVEREST warrants to the first purchaser of every new EVEREST unit, the cabinet and all parts thereof, to be free from defects in material or workmanship, under normal and proper use and maintenance service as specified by EVEREST and upon proper installation and start-up in accordance with the instruction packet supplied with each unit.

Three (3) Year Labor & Parts Warranty

(for Upright Reach-Ins, Glass Door Merchandisers, Undercounters, Chefbases, Prep Tables, Bar Equipment and Dry Ager Refrigerated Display Cases)

EVEREST's obligation under this warranty is limited to a period of three (3)* years from the date of original installation or thirty-six (36)* months after shipment date from EVEREST, whichever occurs first. Any part covered under this warranty that is determined by EVEREST to have been defective within three (3)* years of original installation or thirty six (36)* months after shipment date from the manufacturer, whichever occurs first, is limited to the repair or replacement, including labor charges, of defective parts or assemblies. The labor warranty shall include standard straight time labor charges and reasonable travel time, as determined by EVEREST.

Two (2) Year Labor & Parts Warranty

(for Open Air Merchandisers)

EVEREST's obligation under this warranty is limited to a period of two (2)* years from the date of original installation or twenty-four (24)* months after shipment date from EVEREST, whichever occurs first. Any part covered under this warranty that is determined by EVEREST to have been defective within two (2)* years of original installation or twenty-four (24)* months after shipment date from the manufacturer, whichever occurs first, is limited to the repair or replacement, including labor charges, of defective parts or assemblies. The labor warranty shall include standard straight time labor charges and reasonable travel time, as determined by EVEREST.

Five (5) Year Compressor Warranty

In addition to the warranty set forth above, EVEREST warrants the hermetically sealed compressor for five (5) years, not to exceed sixty (60) months from the unit's date of shipment from EVEREST.

Warranty Claims

All warranty claims for labor or parts must be made directly through EVEREST. All claims shall include: unit model number, cabinet serial number, proof of new product purchase, installation date, and all pertinent information related to the reported defect. To qualify for a compressor warranty claim, the replacement compressor must have been purchased directly from EVEREST. Claimants must submit the compressor warranty form and compressor tag to EVEREST. The compressor warranty does not apply to shipping and labor costs or other parts whether electrical or mechanical.

Warranty Exclusions

EVEREST's sole obligation under this warranty is limited to either the repair or replacement of parts, subject to the additional limitations below. This warranty neither assumes nor authorizes any person to assume obligations other than those expressly covered by this warranty.

- A. **NON WARRANTY PARTS.** EVEREST excludes specific parts exposed to normal wear and tear. These parts include, but are not limited to, lamps, gaskets, casters, shelves and shelf clips, pans, bin and pan dividers and airflow guards.
- B. **INDIRECT OR CONSEQUENTIAL DAMAGE.** EVEREST does not warrant economic loss, profit loss, or special, indirect or consequential damages including without limitation, losses or damages arising from food or product spoilage claims caused by refrigeration failure.
- C. **IMPROPER USAGE.** EVEREST is not responsible for parts or labor coverage for component failure and or other damages resulting from improper usage, installation or failure to clean and/or maintain the unit as set forth in the user's manual provided with this unit. All EVEREST units are designed for commercial use, not for residential use. Warranty is invalid if the unit is installed in a residence.
- D. **RELOCATION OF UNIT FOR REPAIR.** EVEREST is not responsible for the cost to move a unit for any reason from its position of operation on the customer's premises to make a warranty repair. Further, EVEREST is not responsible for the cost of disassembling cabinetry and/or panels built around the unit to make a warranty repair.
- E. **WARRANTY IS NOT TRANSFERABLE.** Warranty is limited to only the original purchaser, owner or lessee of the unit. Warranty does not transfer with change of ownership or lessee.
- F. **ALTERATION, NEGLIGENCE, MISUSE, ABUSE, ACCIDENT, DAMAGE DURING TRANSIT OR INSTALLATION, FIRE, FLOOD, ACTS OF GOD.** EVEREST is not responsible for malfunctions due to alteration, neglect, misuse, abuse, accident, damage during transit or installation, fire, flood, storm, and/or other acts of God. EVEREST is not responsible for any improper electrical connections resulting from electrical power failure, the use of extension cords, and low voltage or voltage drops to the unit.
- G. **UNAUTHORIZED MODIFICATION.** EVEREST is not responsible for the repair or replacement of failed or damaged components resulting from unauthorized modifications to units or the use of non OEM parts without prior written approval from EVEREST.
- H. **IMPROPER ELECTRICAL CONNECTIONS.** EVEREST is not responsible for the repair or replacement of the unit or any damaged components resulting from incorrect supply voltage, low voltage, fluctuating supply voltage, incorrect amperage the use of extension cords, generators or other improper electrical connections.
- I. **OUTSIDE THE U.S.** This warranty does not apply to any parts and/or labor warranty claims made on units sold or used outside of the United States.

These warranties are exclusive and in lieu of all other warranties, expressed or implied, and all other obligations or liabilities on our part, and we neither assume nor authorize any other person to assume for us any other obligation or liability in connection with the sale of said refrigeration units or any part thereof.



E **REFRIGERATION**
EVEREST

A Step Above The Standard

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