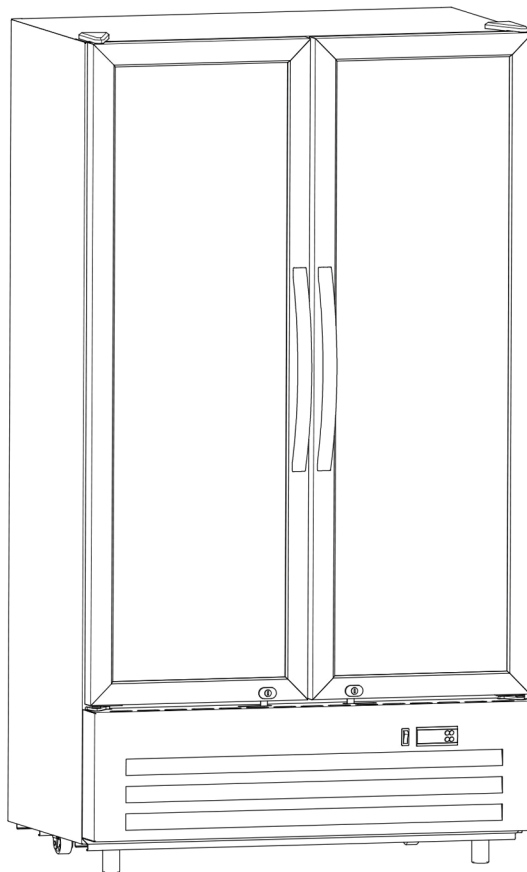




## MERCHANDISER USER MANUAL

**Model#: LC-450N**



Please read this manual completely before operating the merchandiser.

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## 1. TECHNICAL DATA

Model#	V/Hz/Ph	Amps	Nominal Capacity	HP	Watts	Shelf	Coolant	Net Weight	Shipping Weight	NEMA Plug
LC-450N	115/60/1	3.9	1 2 CU. FT.	1/3	330W	4	R290	173.1 lbs.	207.2 lbs.	5-15P

## 2. SAFETY PRECAUTIONS


- The purpose of the safety precautions in this manual are to ensure safe and correct use of the unit to minimize risks that could cause serious damage and injury. The safety precautions are described in the WARNINGS and CAUTIONS.



**WARNING:** Improper handling of the unit could lead to death or serious injury.




**CAUTION:** Improper handling of the unit could also lead to serious results depending on the circumstances.

- Statements that start with an exclamation mark  contain information that should be strictly adhered to.
- After reading the manual store it in an easily accessible place where the user(s) of this merchandiser can easily find it.










### **WARNINGS**

1.  Installation should be performed only by a qualified technician. Attempting to install the unit yourself could result in water leakage, refrigerant leakage, electrical shock, or fire.

2. All repairs, disassembly and modifications should be performed only by qualified technicians. Attempting to perform these yourself could result in a fire, malfunction, and injury.
3. Never splash water directly onto the merchandiser or wash with water as short-circuit and electrical leakage could result.
4. Never put flammable or volatile substances into the unit as an explosion or fire could result.
5. Do not damage, modify, excessively bend, strain, twist or bundle up the power cord. Do not place heavy objects on the power cord or squeeze it in a tight place that could damage it, possibly resulting in electrical shock or fire.
6. Use a dedicated wall outlet. Do not use extension cords or power strips as this could result in electrical shock, overheating or a fire.






7.  Never use a flammable spray or leave flammable substances near the unit. Sparks from electrical switches could result in an explosion or fire.
8.  The merchandiser is intended for storage and display of beverages and packaged products for sale. Do not use it for any other purpose than intended as this could adversely affect the items placed in the unit.
9. Never attempt to insert fingers, sticks, etc. into the cold air suction outlet as a circulation fan is rotating at high speed inside the outlet. Injury, electrical shock, and improper operation could result.
10. For indoor use only. Using the unit in a location exposed to rain could result in electrical leakage and electrical shock.
11. Never place heavy objects or items containing water on top of the unit. Objects could fall and cause injury and spilled water could deteriorate the insulation of electrical components and result in electrical shock.
12.  Install the unit in a location where the floor is sturdy enough to support the load of the unit. If the floor is not sturdy enough or installation is incorrectly performed, the unit could tip over and falling shelves and contents could cause personal injury.
13. If you find gas leakage, unplug the unit, open the door for ventilation and contact a qualified technician for service.
14.  Store the unit in a location where it is not exposed to rain. Using a unit that has been exposed to rain could result in electrical leakage and electrical shock.
15.  Keep away from hot air sources, cooling performance is reduced if the unit is placed near heat sources such as hot plates and ovens or if it is exposed to direct sunlight.
16.  Leave disassembly and disposal of the unit to qualified experts.
17.  Should the unit need temporary storage, make sure to store the unit in a location that

is clean and dry.


18. Make sure there is more than 4" of space between the refrigerator and the wall. If there is less space cooling capacity can drop down.



19. If installation in a damp location is unavoidable install an electrical leakage circuit breaker. If no electrical leakage circuit breaker is installed, electrical shock could result.
20. Never hang from the door or climb onto the unit. The unit could tip over or fall and cause material damage or injury.
21. Disconnect the power cord plug from the wall outlet before moving the unit and make sure that the power cord is not damaged during transport. A damaged power cord could result in electrical shock and/or fire.
22. Do not push hand against or apply excessive force to glass surfaces as the glass could break and cause injury.
23.  When disconnecting the power cord plug from the wall outlet hold at the plug main body close to the outlet. Pulling the cord could cause wire breakage possibly resulting in overheating and fire.
24.  Make sure that the unit does not tip over or fall when it is moved. A falling unit could cause serious injury.
25. Do not throw items onto the shelves and do not place items totaling more than 66 lbs. on each shelf. The shelf could fall and possibly cause injury.
26.  Be sure to attach and secure shelves correctly with the shelf clips. An improperly attached shelf could fall and cause injury.

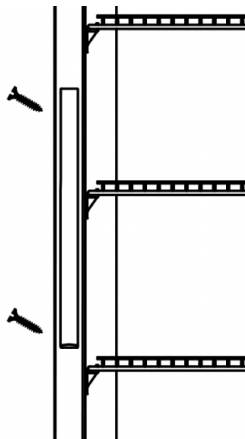
### 3. HOW TO USE

#### ● BEFORE FIRST USE

- (1) Let the refrigerator sit for 12 hours before turning on.
- (2)  The refrigerator is shipped on a foam pallet with a wooden pallet under it for support, handle with care when you remove the unit from the pallets.
- (3) The refrigerator is equipped with two adjustable feet in the front and two rollers in the rear.
- (4) Remove shipping package, tape, etc., and leave door open ventilate for a while.
- (5) The unit is cleaned before shipment. However, clean the cabinet after delivery with a damp cloth and then dry with a clean dry cloth.
- (6) Insert power supply plug into the wall outlet, single-phase.
- (7) Allow the unit to operate for about 1 hour to cool the compartment before placing items in the merchandiser.
- (8) WAIT 5 MINUTES OR MORE BEFORE RE-STARTING! Restarting the unit immediately after it has been turned off may cause fuses to blow and activate the circuit-breaker, the compressor may be overloaded, and/or other damage may occur.

### ● INSTALL THE HANDLE

The handle is packaged with the shelves inside the cabinet. Remove the handle from the cabinet, pull out the door seal from inside where there are the holes for screws, and install it with screws as shown in the diagram.



### ● TEMPERATURE ADJUSTMENT

The merchandiser temperature is set at the factory with a default setting of 33~40°F. If the ambient temperature is extremely high or if the product is placed in the cabinet warm that could cause the interior temperature to rise. If this happens lower the temperature.

If the ambient temperature is very low or if the merchandiser is empty that might cause the interior temperature to lower and could cause the evaporator to start icing. If this happens raise the temperature.

### ● DRAIN TRAY

Defrosting is performed on a cycle, drain water is collected in the drain tray. Water in the drain tray is evaporated automatically. In high humidity locations a large amount of water could accumulate in the drain tray, monitor daily and manually remove water from drain tray if needed.

### ● EFFICIENT USE

To prevent cold air from escaping, open and close the door quickly and keep the door opened for as short a time as possible. Install the unit in the place which is well-ventilated.

### ● SHELF HEIGHT ADJUSTMENT

The shelf height can be adjusted. Arrange the shelves supports in accordance with the dimensions of the items to be placed in the cooler and put the shelves on the supports.

### ● PLACING ITEMS IN THE MERCHANDISER

This merchandiser uses a forced circulation of cold air system. If the circulation of cold air is obstructed, the items will not be adequately refrigerated.

Follow the guidelines below:

- (1) Do not let items obstruct the cold air inlet and suction outlet.
- (2) Keep the items at least 1" away for the inner walls.
- (3) Place items so that they do not protrude from the shelves. The gap between the shelves and the door is used for circulation of cold air.
- (4) Place items evenly on all shelves.
- (5) Do not display items on the bottom. Display items on the shelves only.

- **LED LIGHTING**

The merchandiser is equipped with vertical LED lighting inside the cabinet and a on the exterior top panel, switch the lighting on/off by pressing the button near the thermostat.



#### 4. CLEANING AND CHECKING



**WARNING!**

To prevent any electrical shock hazards or injury by the rotating circulation fan always disconnect the power cord plug from the wall outlet before cleaning.

- Wipe with a soft, dry cloth. If very soiled, wipe with a cloth that has been moistened with a detergent then wipe with a cloth that has been dipped in water and dry with a clean cloth.



**WARNING:** Do not splash water directly onto the cooler and do not spray with water.

Short-circuit and electrical shock could occur.

- Clean the cooler regularly.
- Never use polishing powder, soap powder, benzine, oil or hot water as these will damage the painted and plastic components.
- Perform the following checks after cleaning.
  - (1) Check that the power cord plug is firmly inserted into a dedicated wall outlet.
  - (2) Confirm that the plug is not abnormally hot.
  - (3) Check the power cord for cracks and damage. If the power cord has been damaged in any way, it needs to be replaced by a qualified technician.

#### 5. IN CASE OF THE FOLLOWING

- **POWER FAILURE**

Keep opening and closing of the door to a minimum.

Avoid constantly placing new warm items in the cooler as this will raise the temperature inside the compartment.

- **WHEN NOT USED FOR A LONG PERIOD**

Remove all items from the cabinet and disconnect the power cord plug from the wall outlet.

Clean the cabinet interior and wipe away all water.

To prevent mold formation or a bad a smell leave the door open to dry the cabinet completely.

- **TRANSPORTATION**

Disconnect the power cord plug from the wall outlet.

When moving the merchandiser make sure that the power cord is held by hand or taped to the back of the merchandiser so that the power cord doesn't get wrapped around the feet/casters to avoid possible damage.

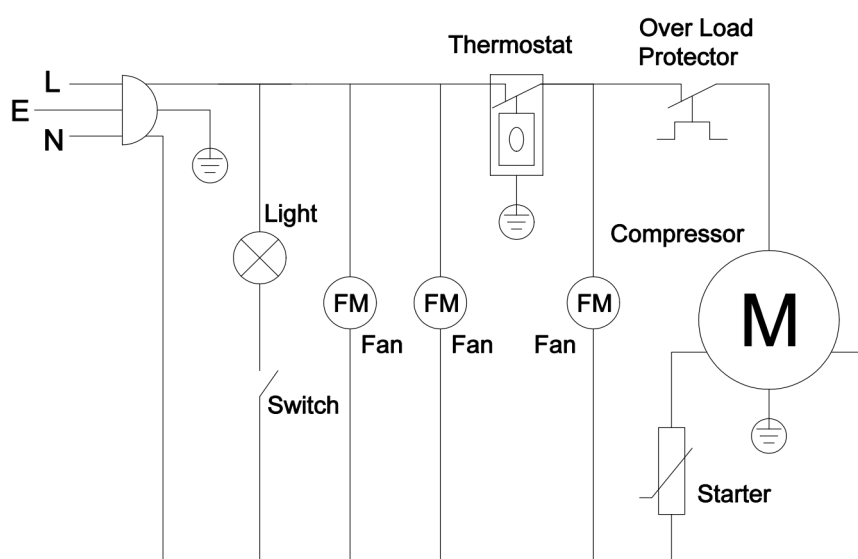
- **TEMPORARY STORAGE**

Place a piece of wood or plastic between the door and cabinet to prevent the door from completely closing so that the door cannot completely close when in storage for safety.

## 6. TROUBLE SHOOTING

No refrigeration at all	<ul style="list-style-type: none"> <li>● Has the power supply been interrupted?</li> <li>● Is the power cord plug disconnected from the wall outlet?</li> <li>● Are the building fuses blown and/or the circuit breaker activated?</li> </ul>
Inadequate refrigeration	<ul style="list-style-type: none"> <li>● Is the temperature setting appropriate?</li> <li>● Are items obstructing the cold air inlet or suction outlet?</li> <li>● Is the product loaded too tight in the cabinet?</li> <li>● Is the door open or is it being opened and closed frequently?</li> <li>● Is the condenser clogged?</li> </ul>
Excessive noise	<ul style="list-style-type: none"> <li>● Are all feet / rollers installed correctly on a level floor?</li> <li>● Is the rear panel of the merchandiser contacting the wall or other objects?</li> <li>● Are any other objects in contact with the sides of the merchandiser?</li> </ul>
Condensation on cooler exterior	<p>Condensation may accumulate on the exterior and door during hot and humid days. This occurs when the humidity is high and water particles in the air contact cold surfaces. This is normal, wipe away condensation with a dry cloth.</p>

## 7 . CIRCUIT DIAGRAM



## WARRANTY



### ONE YEAR WARRANTY

Argus warrants to the original purchaser of this unit, the unit cabinet and all parts thereof, to be free from defects in material and workmanship, under normal conditions of use and maintenance, for a period of one (1) year from the date of original purchase.

Any parts covered by this warranty that are examined and determined to have been defective within one (1) year of original purchase shall be repaired or replaced as stated below. Argus shall be deemed to have fully complied with its obligation under the foregoing warranties by electing either one of the following procedures:

1. Furnishing necessary replacement parts, freight collect, in even exchange for the returned part, freight collect.
2. Receiving the defective part, freight collect; repairing it; and returning it, freight collect. Valid only in the contiguous United States.

### ADDITIONAL FIVE YEAR COMPRESSOR PART WARRANTY

In addition to the (1) one year warranty stated above, Argus warrants that the hermetically and semi-hermetically sealed compressor parts to be free from defects in both material and workmanship under normal use and maintenance for a period of five (5) years from the date of original purchase. Valid only in the contiguous United States.

Compressors determined to have been defective within this extended time period will be either repaired or replaced with a compressor or compressor parts of similar design and capacity.

The five (5) year compressor warranty applies only to hermetically and semi-hermetically sealed parts of the compressor and does not apply to any other parts or components, including, but not limited to, cabinet, paint finish, temperature control, refrigerant, metering device, driers, motor starting equipment, fan assembly, any other electrical component, etc.

### COVERAGE LIMITATIONS

#### WHAT IS NOT COVERED BY THIS WARRANTY

- Failure to install and/or use equipment within proper and intended operating conditions. This includes but is not limited to residential or outdoor applications.
- Issues related to improper installation. Issues related to the installation are the responsibility of the installer.
- Any adjustments necessitated by improper operating conditions.
- Failure to properly maintain the unit including all preventive maintenance and cleaning.
- Installation in non-commercial or residential applications. This product is a commercial brand intended to be installed in a commercial setting.
- Equipment sold or used outside of the contiguous United States, equipment purchased second-hand, equipment sold by an unauthorized reseller, and equipment expressly sold without warranty coverage.
- Equipment without a valid serial number and proof of purchase, or other way to verify coverage.
- Equipment that has not been used appropriately or was subject to misuse, neglect, abuse, accident, alteration, negligence, damage during transit, delivery or installation, fire, flood, or an act of God.
- Equipment that has been installed, altered, modified, or repaired by anyone other than an authorized service agency outside of preventative maintenance and cleaning.

Parts deemed to be normal wear and tear parts, including door gaskets and select plastic or rubber components.

#### EXCLUSIONS TO THE ONE (1) YEAR PARTS AND LABOR WARRANTY:

Drawers on prep and chef base models will have one (1) year parts and labor. Countertop merchandisers will have a one (1) year limited warranty

This warranty is only valid for straight time labor rates, and does not cover overtime, holiday or off-hour and weekend rates. We reserve the right to deny coverage after a service technician is on site based on the above exclusions. Not responsible for service charges incurred on non-warranty matters.

**To Obtain Warranty Service, call 888-585-9440**





#### OUTSIDE OF THE CONTIGUOUS UNITED STATES WARRANTY

Products sold in Alaska, Hawaii, other US territories outside of the Contiguous United States, and Canada shall be backed by replacement coverage on items that can ship via normal parcel shipping, excluding the cost of shipping and any applicable duties, taxes, and fees. Items that must ship LTL/common carrier will be provided replacement parts, excluding labor costs, or reimbursed in the form of store credit for the value of the item only, excluding all applicable shipping costs, duties, taxes, and fees, at the place of purchase following appropriate troubleshooting steps.

THE FOREGOING WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES NOT EXPRESSLY SET FORTH HEREIN, WHETHER EXPRESS OR IMPLIED BY OPERATION OF LAW OR OTHERWISE, INCLUDING BUT NOT LIMITED TO ANY REPRESENTATION OF PERFORMANCE AND ANY IMPLIED WARRANTIES OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. NO OTHER WARRANTIES ARE AUTHORIZED ON BEHALF OF ARGUS UNLESS SPECIFICALLY ISSUED BY ARGUS.

ARGUS shall have no liability for incidental or consequential losses, damages including, without limitation or expenses, loss of sale, spoiled food, profits, or goodwill claims whether or not on account of refrigeration failure or punitive or exemplary damages directly or indirectly arising from the sale, handling or use of the Equipment or from any other cause relating thereto, whether arising in contract, tort, warranty, strict liability or otherwise. ARGUS's liability hereunder in any case is expressly limited, at ARGUS's election, to repair or replacement of, or crediting the user with, an amount equal to the purchase price of such goods.

**To Obtain Warranty Service, call 888-585-9440**

**Revision Date 6/5/24**