

Glass Door Merchandiser User Manual



Commercial Refrigeration Company

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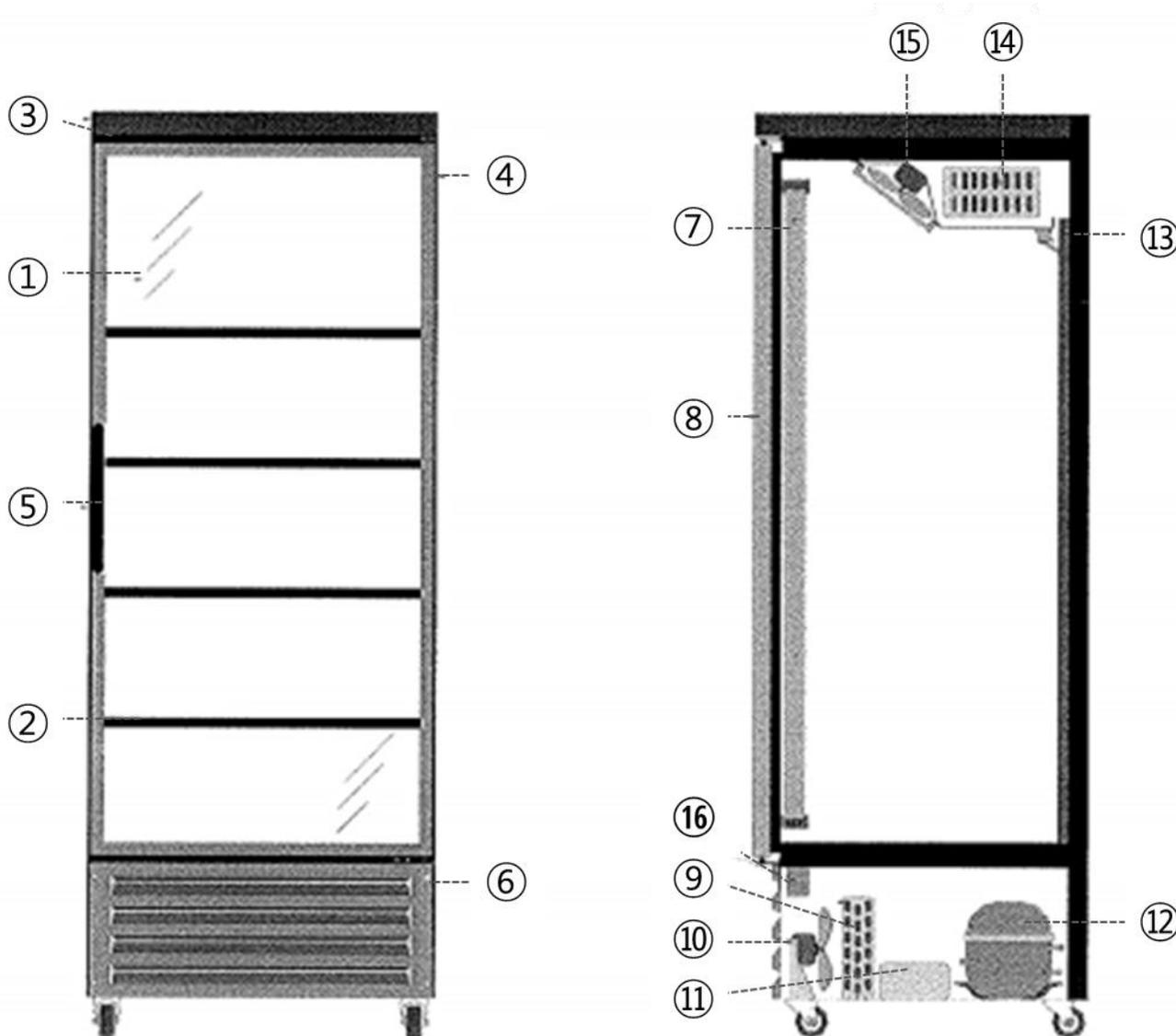
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Installation Manual

1. Product Layout



① Glass Door

② Shelves

③ ADV - Board

④ Cabinet

⑤ Knob

⑥ Grill

⑦ Lamp

⑧ Glass Door

⑨ Condenser

⑩ Condenser Fan Motor

⑪ Drain Box

⑫ Compressor

⑬ Drain

⑭ Evaporator

⑮ Evaporator Fan Motor

Ballast

2. Installation Guide

WARNING – When using units, always follow precautions, including the following.

Place the unit on hard and leveled in floor

- Unlevel floor may cause the unit to make noise



In good ventilation

- Place the unit in a well good ventilated place for a normal operation.
- Keep the cabinet at least 4' away from rear wall.



Install the unit indoors so it will not get wet from the rain & snow

- Keep the cabinet at least 4' away from rear wall.



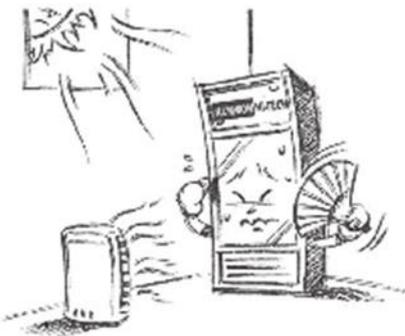
Avoid places that are exposed to smoke

- Excessive smoke may cause discooling to the unit



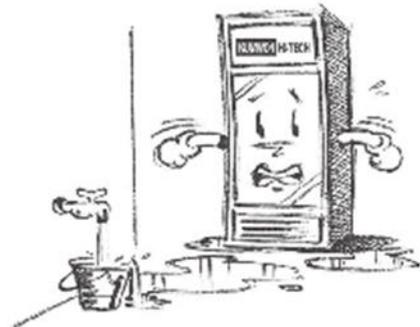
Place the unit away from a heat source

- High temperature will decrease cooling efficiency lower.



Place the unit in a dry location

- Splashing water or a high humidity area may cause short circuit.



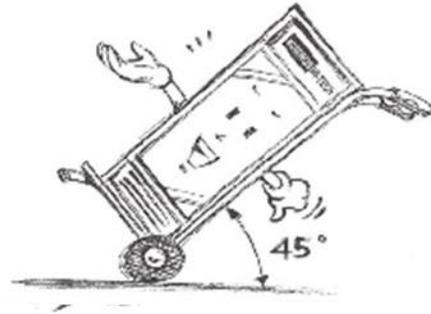
Do Not carry a unit by the knob

- The knob or glass can be broken.



Do Not tilt a unit more than 45°

- This can cause system problem.



3. Safety Notices

WARNING – Read and follow all safety notices in this manual guide. These notices provide helpful safety and efficient operation information, failure to do so may lead to serious injury and / or damage to the unit.

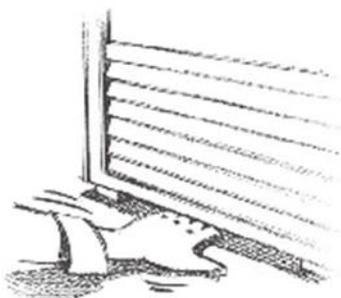
Be careful not to break the glass on a front face



Do Not use an inflammable spray around the unit



Do Not put your hands under the unit when moving the unit



This unit is designed for storing only beverages, milk and liquors

- Do Not store other articles in the units.



Do Not attempt to remove or repair any component

- Call a qualified service technician.



Do Not place anything on top or at the bottom of unit
These are base mounted refrigeration systems



Do Not hang on or climb on the unit as this may cause the unit to fall over



To prevent electrical shock and malfunction, do not spray the unit with water

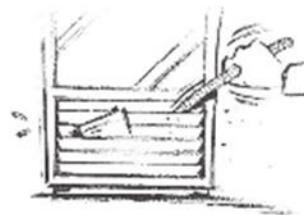


Pay special attention when opening a lower grill

- Be careful to a safety accident because the condenser fan is on front face.
- Be careful of an electrical shock.



Do Not put hands or other items into the fans in upper part of a cooling chamber and in the compressor compartments



Do Not store temperature or research related materials in the unit

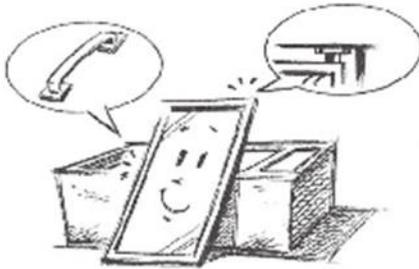


After unplugging the unit wait at least 5 minutes before backin

- Failure to do so could cause intensive damage to the compressor.



When it is time to dispose of the unit, make sure to remove the rubber gasket and hinge from the doors to prevent the risk of children or animals getting trapped inside the unit



When storing the goods be careful of the fluorescent lamp

- The fluorescent lamp can be broken.



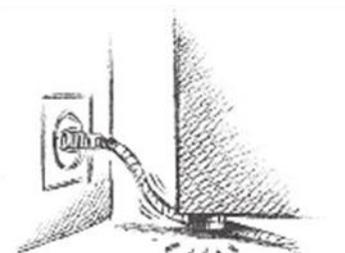
4. Electrical Caution

Please do not plug or unplug the cord with wet hands to prevent electrical shock



When installing the unit be careful that the electrical cable is not trapped under the unit

- This could cause damage to the cable.



When installing the unit be careful that electrical cable is not trapped against the wall

- This could cause damage to the cable.



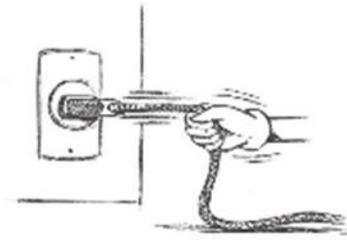
Clean the prongs of the electrical cord with a soft cloth or brush to prevent a fire hazard



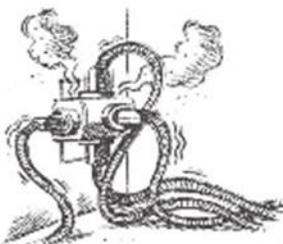
Do Not use the electrical cable or plug if they are damaged in any way



To prevent electrical shock or damage to the electrical cable. Please hold the plug head when unplugging the unit



To minimize shock and fire hazard, be sure not to overload one outlet. Please designate one outlet just for the unit



Please unplug the unit from the outlet when the unit is not in use for a long period of time



5. How to use

WARNING - Rated voltage of this product are as follows. Check voltage prior to use of the unit.

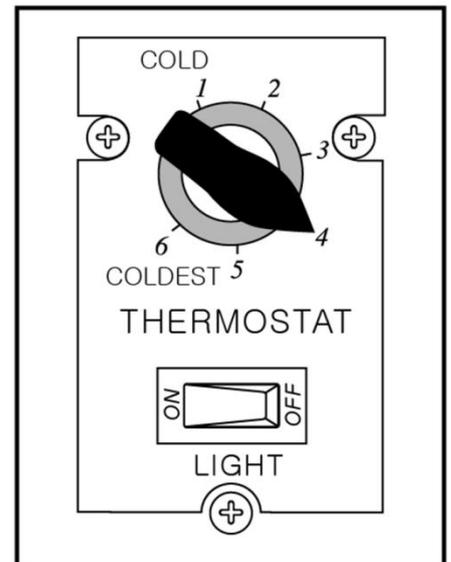
- 220~240V, 50Hz/60Hz

- 100V-120V, 60Hz

1. On first installation, allow the unit to sit for 1-2 hours prior to operation.
2. Working voltage is 220~240V or 100V-120V.
3. Connect power to the unit.
4. Switch the cooling switch inside the upper parts of the unit to "ON", and set the temperature controller to 4~5.(refer to the figure #1) Setting #1 is the warmest, Setting #6 is the coldest
5. After about 1 hour's operation, load articles into the unit after checking that unit is cooling correctly.
6. Fluorescent lamp tubes mounted oil inside of this product can be switched "ON" or "OFF" asrequired.

(1) Temperature control

1. Working temperature range of this product is between 0~10°C (32~50°F), the unit will maintain the temperature set provided the ambient temperature around the unit is maintained.
2. The set temperature of the unit can be controlled by adjusting the temperature controller located in the upper right corner of the inside of the unit. (refer to the figure #1)
3. Setting #1 is the Warmest temperature, Setting #6 is the Coldest temperature, recommended setting is position #4~5.
4. In the temperature controller is set to #6, the COLDEST setting, please note that frost can accumulate on the evaporator and possibly the product due to the extremely cold supply air delivered by the unit.



< Figure #1 >

(2) Installation of shelves

NOTE - Be careful not to hit the fluorescent lamp tubes when installing the shelves and also take care not to trap your fingers when installing the shelves.

1. Fix the mounting hooks for the shelves at the desired height and spacing, and then install the shelves.
2. The shelf spacing can be adjusted to hold different size products for storage. So the shelves can be reinstalled whenever needed.

(3) Safe Storage of Product inside the unit

NOTE - This product is designed for storing only beverages, milks and liquors. Don't use the unit for storing perishable foods such as produce.

1. Leave a space between products inside the unit and between the products and the inside surfaces of unit so that the unit airflow is not obstructed and the products can be cooled effectively.
2. If beverages are kept in the unit for a long time, check to make sure the bottle in the back of the cabinet are not becoming frozen, which could cause the bottle/cartons to break.
3. Don't place too many products on one shelf. The shelf can be overloaded and twist allowing products to fall off.

(4) Maintenance

※ WARNING - ALWAYS UNPLUG THE UNIT PRIOR TO STARTING MAINTENANCE OR CLEANING

- Never spray water inside or on the unit. Be careful not to allow water into the compressor section and do not allow water to enter the cooling coil located in the upper section of the unit.

1. Cleaning of this product
 - 1) Clean the unit at least once a month in order to optimize operation, longevity and to keep the unit clean.
 - 2) When cleaning, remove the products from the unit, and unplug the unit from the wall outlet
 - 3) Clean the unit using an approved cleaning solvent, a soft cloth and warm water.
 - 4) Don't use boiling water, chemical solvents or an abrasive cleanser.
 - 5) Ensure that the unit, you and the plug are completely dry before restarting the unit.

2. Compressor Compartment and excess Condensate

- 1) This product is designed to evaporate condensate using the heat generated by the compressor.
- 2) If too much condensate is generated e.g. Due to extremely humid weather conditions. And the condensate cannot be evaporated quickly enough to prevent the drain pan from overflowing, open up the front grill and drain the excess condensate from, the unit.
- 3) After draining the condensate refit the grille and check unit operation.

3. Cleaning the shelves : Remove any product and clean them using a mild soap and a soft cloth damped with warm water

4. Cleaning door gaskets : It is recommended that they are cleaned using a mild soap and after drying talcum powder can be pasted onto the gasket to ensure a longer gasket life

5. Cleaning the outside of the unit : Use a mild soap. Don't spray water directly onto the unit. Wipe clown with a dry cloth after cleaning

6. Troubleshooting

Before you call - Please check the following before requesting for service.

Symptom	What to Check	How to Solve
No Cooling	Is the Power out?	Wait for power to be restored.
	Is the unit is unplugged?	Re-Connect plug.
	Voltage is too low.	Must be a minimum of 97V. - Call Electrician.
	Is Circuit Breaker "OFF"?	Turn the breaker lo "ON".
Poor Cooling Performance	Is the unit exposed to direct sunlight?	Install the unit in a different location.
	Is there an External Heat source Close to the unit?	Remove the heat source.
	Are there too many products inside the unit?	Make sure unit is not overloaded.
	Are the products placed to closely to the rear surface of the unit?	Ensure a separation of at least 1' or more between products and the rear surface.
	Is the unit door opened too often or does not seal?	Make sure the door shuts correctly.
	Is the condenser dirty?	Clean any or debris from the condenser.
	Is the unit door kept open?	Close the door.
	Is there an obstruction in from of the unit interfering with airflow through the compressor compartment?	Remove any obstruction from the unit front Ensure that the unit has 12' of clearance behind the compressor compartment.
Loud noise or vibration	Is the unit door open?	Close a door.
	Is the floor not capable of supporting the unit?	Install on a flat and solid floor.
	This product is tilted.	Level this product.
	Are there any items inside the compressor compartment, which do not belong there?	After unplugging the unit remove any debris from the unit.
Lamp not lit Inside the unit	Is the light switch "ON"?	Cheek the Switch.
	Is the lamp in its socket?	Replace the lamp.
	Is the lamp burnt out?	
	Is the lamp operating?	
Condensates is formed on the unit Doors	Is the local weather causing this due to High humidity levels and High ambient temperatures.	This is not a failure of the unit. Wipe dry using a dry cloth.
Frozen Product	Is the Temperature setting too low?	Check setting and decrease if required.