



COUNTERTOP DISPLAY REFRIGERATOR

User Manual

Models 243052, 243053



Notice: Information in this manual is subject to improvement.

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WARNING!

A. Please do read this manual carefully and thoroughly prior to installation, operation and maintenance.

B. This equipment should be put into use for its intended purpose as described in this manual.

1. Product Usage

This appliance belongs to Display Refrigerator series designed to storage and display bottle beverage.

Notice: Users shall put the unit into use **for its intended purpose**, or they should completely take the consequences that may occur.

2. Inspection before Installation

Before installing your equipment, please do carefully inspect it for any possible **shipping damage**.

If any damage is detected when unloading or uncrating your unit, please file a claim with the transportation company as quickly as possible.

Notice: Manufacturer takes no responsibility for shipping loss or damage.

3. Safety Instructions

Particular Safety Precautions

Flammable and **explosive** refrigerant (Hydro-carbon R290) is used in the unit. The following Particular Safety Precautions should be strictly enforced due to the use of R290 refrigerant.

- . Leave enough space from the wall to the cabinet and the ceiling. Do not be sealed completely in the back part of the cabinet, prepare an air vent to the outside.

Caution: It needs more than 8 inches from the cabinet to wall.

- . Please move away all out-package for bottom heat radiation to avoid fire.
- . It's prohibited to store flammable and volatile chemical, or leading to exploding.
- . Individual single-phase socket must be used. It should be reliably connected to a grounding wire.

Caution: Do not connect grounding wire to a water or gas pipe.

- . Do not be hard collided or fiercely vibrated when in transportation. It is not larger than 45° for the inclination of the cabinet.
- . Please refer to the Trouble Shooting references when the unit is facing some problems. Do not attempt to solve the problem on your own, Please refer to certified technician only.
- . **DANGER** - Risk of fire or explosion, flammable refrigerant used. Do not use mechanical devices to defrost refrigerator. Do not puncture refrigerant tubing.

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

CAUTION - Risk of fire or explosion, flammable refrigerant used. Consult repair manual/owner's guide before attempting to service this product. All safety precautions must be followed.

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

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

CAUTION - Keep clear of obstruction all ventilation openings in the appliance enclosure or in the structure for building-in.

CAUTION - Servicing shall be done by factory authorized service personal, so as to minimize the risk of possible ignition due to incorrect parts or improper service.

Basic Safety Precautions

The following Basic Safety Precautions should be strictly enforced when using any electrical appliance including your unit.

- The electrical unit must be installed and placed appropriately by qualified mechanics in the light of Installation/ Operation Instructions.
- The electrical unit must be kept far away from flammable vapors and liquids.
- The electrical unit must be unplugged from the electrical outlet before cleaning or repairing.
- Children are strictly banned from climbing, standing or hanging on the appliance so as to avoid hurting themselves or damaging the unit.
- Hands and other body parts must be kept dry when touching the cold surface in the refrigerated compartment, or your skin may stick to the badly cold surfaces.

4. Installation Instructions

To ensure smooth running of your unit from the very beginning, it must be installed appropriately based on all the following instructions.

Notice: Competent or qualified personnel are highly recommended to install the unit.

Uncrating/ Unpacking

- . Shipping damage should be inspected once again when uncrating the unit. If any damage is detected, do file a claim with the transportation company immediately.
- . The unit should be entirely uncrated and unpacked before installation.
- . Remove the fixed base brackets so as to get rid of the wooden shipping skid.
- . Remove packing materials including cardboards and dust cover.

Positioning

- . The unit should be positioned in a firm and level place in order to avoid vibration and noise. Use the leveling feet properly to keep the unit stable.
- . The unit should be positioned in a dry and cool place so as to prevent the compartment body from getting rusty and warm.
- . The unit should be positioned in a ventilated place and there should be at least 8 inches away staffs around the cabinet for the air circulation.

Caution: It may result in potential safety hazard and the poor performance of the unit, if it is positioned in place where it is directly exposed to rays of sun or near a direct source of radiant heat or airflow.

Electrical

- . The unit must be properly grounded at all times.
- . Never use an adapter plug or extension cords to power the unit.
- . The wall outlet, circuit and supply voltage must be checked carefully by qualified electricians.
- . The unit should be plugged into its own dedicated circuit at rated voltage.
- . Broken or frayed power cords are forbidden to be put into use.
- . Power cords should be prevent from being ran over or damaged when removing the unit.
- . Power supply should be switched off before servicing electrical components in the unit.
- . Wiring diagram can be referenced if needed.

Warning: Failure to follow the above instructions may lead to **dangerous occurrence**.

Thermostat

Electronic Refrigeration control system maintains temperatures between 33°F and 41°F (0.5°C to 5°C) based on factory settings. Please do refer to Digital Control User Manual inside the product or consult qualified technicians prior to adjusting a different temperature ranges.



Thermostat Display

Startup

- Plug the unit in to make it run.
- The unit should be running for 2 to 3 hours before loading products so as to detect any potential electrical failure and concealed shipping damage.
- Do not replace the temperature controller or change its parameters at random without the help of qualified technicians.
- Do not restart the unit immediately when it is disconnected or shut off. Please wait several minutes before restarting it.

5. Cleaning and Maintenance

Proper maintenance and cleaning can prolong service life and contribute to a better performance of the unit. It is recommended to clean the unit without loading products every 1 to 2 months.

Notice: The unit should be cut off before cleaning.

Stainless Steel Cleaning

- Ammonia and soap can be used to polish the stainless steel surfaces and wipe off fingerprints and smears.
- Other specialized commercial detergents can be used to remove grease and oil.
- Soft cloths, towels and sponges are recommended to be used along with detergents.

- . Steel wool cannot be used for stainless steel cleaning.
- . Hydrochloric acid or chlorine-based products cannot be used for stainless steel cleaning.
- . Any detergents that contains quaternary salts cannot be used for stainless steel cleaning.
- . Stainless steel surfaces should be wiped dry after cleaning.

Warning: Failure to follow the above instructions may result in abrasion, pitting and rusting of stainless steel surfaces.

Condenser Cleaning

The condenser should be cleaned at least every 1 month since dirt, grease, lint and dust can be easily accumulated around it.

The following proper and regular cleaning instructions for the condenser help to **reduce compressor failure and minimize your maintenance expense.**

- . Tools such as screwdriver, adjustable wrench and stiff bristle brush are required when cleaning the condenser.
- . Unscrew all screws with a screwdriver to take off the grill which covers the condenser.
- . Use a stiff bristle brush to get rid of the accumulated dirt, grease, lint and dust from the condenser.
- . Clean the coils and fan blades of the condenser carefully and cautiously so as to avoid any damage.
- . Ensure that the condenser and other accessories are assembled correctly before reinstalling the grill.
- . Reinstall the grill and tighten all the screws.
- . Connect the unit and check if it can function well.

Interior Cleaning

- . Remove the door gasket. Clean it weekly with soapy water and dry with soft cloth for better sealing performance.
- . Clean the interior of the unit every one month with soft cloth and soapy water.
- . Detergents and cleaners that may cause corrosion, scrape and damage to the product are prohibited to use.

- . Take out the shelves and shelf brackets. Clean them and the inside of the unit with soapy water in order to remove beverage stain and dry them with soft cloth.
- . Clean the glass door periodically for better display.
- . Place all the accessories properly, and restart until the unit is totally dry. Please remind that the high side of the shelf is toward the back of the unit for better ventilation.
- . Check the unit for normal operation after cleaning.

Notice: Unplug and empty the unit before cleaning the interior.

6. Trouble Shooting

Please note that the following trouble shooting table can only as a reference for solutions to common problems.

SYMPTOMS	POSSIBLE CAUSES	SOLLUTIONS
Compressor fails to run.	Fuse blown or circuit breaker tripped. Power cords unplugged. Temperature is set too high. The unit is in defrosting cycle.	Replace fuse or reset circuit breaker. Plug in power cords. Lower the temperature. Wait for defrosting cycle to finish.
Condenser runs for a long period of time.	Excessive amount of warm products are placed inside the unit. Prolonged door opening or door ajar. Door gasket(s) are not sealed properly. Dirty condenser coil. Evaporator coil iced over.	Allow adequate time for products to cool down. Ensure doors are closed when not in use. Avoid opening doors for long periods of time. Ensure gaskets are snapped in completely. Remove gaskets and wash with soapy water. Replace gaskets if necessary. Clean the condenser. Unplug the unit to allow coil to defrost. Ensure that the temperature is not set too low. Ensure that door gasket(s) are sealed properly.
The unit is too warm.	The temperature is set too high. Bad air circulation. Excessive amount of warm products are placed in the unit. Fuse blown or circuit breaker tripped. Dirty condenser coil. Prolonged door opening or door ajar. Evaporator coil iced over.	Lower the temperature. Re-arrange products to achieve proper air flow. Ensure that there is at least 8 inches of clearance from evaporator. Allow adequate time for products to cool down. Replace fuse or reset circuit breaker. Clean the condenser coil. Ensure that doors are closed when not in use. Avoid opening doors for a long period of time.
The unit is noisy.	Loose part(s). Tubing vibration.	Locate and tighten loose part(s). Ensure that the tubing does not touch other tubing or components.

NOTES:

Please Keep This Manual for Future Reference

Notice:

Warranty claims will be denied if users fail to follow the instructions of this manual.

We reserve the right to change product design and specifications without prior notice.

MODEL#: _____

SERIAL#: _____

PURCHASE DATE: _____