



## Commercial Ice Cream Display Freezer

### Models:

---

#360DFC6HCL

#360DFC9HCL

#360DFC13HCL

#360DFC16HCL

#360DFC20HCL

#360DFF6HCL

#360DFF9HCL

#360DFF13HCL

#360DFF16HCL

#360DFF20HCL

---

### Note:

Read this manual in its entirety prior to equipment setup, operation, and maintenance.

## Table of Contents

Warnings . . . . .	3
Installation . . . . .	4
Electrical . . . . .	5
Adjusting the Temperature . . . . .	6
Defrost System . . . . .	6
Cleaning the Interior of the Unit . . . . .	6
Safety / Warning . . . . .	7
Operation and Maintenance . . . . .	8
Troubleshooting . . . . .	9



CONFORMS TO NSF/ANSI STD. 7  
CONFORMS TO UL STD. 471

## Warnings

**DANGER** — RISK OF FIRE OR EXPLOSION. FLAMMABLE REFRIGERANT USED. TO BE REPAIRED ONLY BY TRAINED SERVICE PERSONNEL. DO NOT PUNCTURE REFRIGERANT TUBING.

**PELIGRO** — RIESGO DE INCENDIO O EXPLOSION. REFRIGERANTE INFLAMABLE UTILIZADO. PARA SER REPARADO SOLAMENTE POR PERSONAL DE SERVICIO CALIFICADO. NO PINCHAR LA TUBERÍA REFRIGERANTE.

**DANGER** — RISQUE DE FEU OU D'EXPLOSION. LE FRIGORIGÈNE EST INFLAMMABLE. CONFIER LES RÉPARATIONS À UN TECHNICIEN SPÉCIALISÉ. NE PAS PERFORER LA TUBULURE CONTENANT LE FRIGORIGÈNE.

**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.

**ATENCIÓN** — RIESGO DE INCENDIO O EXPLOSIÓN. REFRIGERANTE INFLAMABLE UTILIZADO. CONSULTE EL MANUAL DE REPARACIÓN / GUÍA DEL PROPIETARIO ANTES DE INTENTAR DAR SERVICIO A ESTE PRODUCTO. DEBEN CUMPLIR CON TODAS LAS PRECAUCIONES DE SEGURIDAD.

**ATTENTION** — RISQUE DE FEU OU D'EXPLOSION. LE FRIGORIGÈNE EST INFLAMMABLE. CONSULTER LE MANUEL DU PROPRIÉTAIRE/GUIDE DE RÉPARATION AVANT DE TENTER UNE RÉPARATION. TOUTES LES MESURES DE SÉCURITÉ DOIVENT ÊTRE RESPECTÉES.

**CAUTION** — RISK OF FIRE OR EXPLOSION DUE TO PUNCTURE OF REFRIGERANT TUBING; FOLLOW HANDLING INSTRUCTIONS CAREFULLY. FLAMMABLE REFRIGERANT USED.

**ATENCIÓN** — RIESGO DE INCENDIO O EXPLOSIÓN DEBIDO A LA PERFORACION DE LA TUBERÍA REFRIGERANTE; SIGA LAS INSTRUCCIONES DE MANIPULACIÓN CON CUIDADO. REFRIGERANTE INFLAMABLE UTILIZADO.

**ATTENTION** — RISQUE DE FEU OU D'EXPLOSION SI LA TUBULURE CONTENANT LE FRIGORIGÈNE EST PERFORÉE; SUIVRE LES INSTRUCTIONS DE MANUTENTION AVEC SOIN. LE FRIGORIGÈNE EST INFLAMMABLE.

**CAUTION** — RISK OF FIRE OR EXPLOSION DUE TO FLAMMABLE REFRIGERANT USED. FOLLOW HANDLING INSTRUCTIONS CAREFULLY IN COMPLIANCE WITH LOCAL GOVERNMENT REGULATIONS.

**ATENCIÓN** — RIESGO DE INCENDIO O EXPLOSIÓN DEBIDO A REFRIGERANTE INFLAMABLE UTILIZADO. SIGA LAS INSTRUCCIONES DE MANIPULACIÓN CON CUIDADO CONFORME A LAS REGLAS DE LA MUNICIPALIDAD.

**ATTENTION** — RISQUE DE FEU OU D'EXPLOSION SI LE FRIGORIGÈNE EST INFLAMMABLE. SUIVRE LES INSTRUCTIONS DE MANUTENTION AVEC SOIN CONFORMÉMENT AUX RÈGLEMENTATION GOUVERNEMENTALE LOCAUX.

## Installation

**This unit is intended for use in a temperature-controlled environment less than 75°F and 55% relative humidity.**

### Please Read Before Installation

---

- If the unit has recently been transported on its side, please let the unit stand upright for a minimum of 24 hours before plugging it in.
- To prevent compressor or system damage, do not transport the unit on an incline of more than 45°F.
- Do not use the condenser, lid, or hinges as loading or unloading points.
- Before use, remove all packing material.
- Make sure that the unit has reached the desired temperature before loading the unit with products.
- Install the freezer in a well-ventilated area with proper clearance between the surrounding walls and the cabinet wall for proper air circulation (at least 4").
- Make sure all accessories are installed (i.e., shelves, shelf clips, casters) before plugging in the unit.
- Do not attempt to remove or repair any component of the unit. Consult an authorized service technician for servicing/repair.
- Do not sit or stand inside the unit.
- Read through the manual in its entirety.
- This unit is designed to perform in a temperature-controlled environment at 55% relative humidity. The unit should be located away from doors, air ducts, and fans that could disrupt airflow and negatively impact performance.

### Cabinet Location Guidelines

---

- Install the unit on a strong and leveled surface.
  - If the surface is uneven, the unit may be noisy.
  - The unit may malfunction if the surface is uneven.
- Install the unit in an indoor, well-ventilated area.
  - For best performance, maintain clearance of 6" on both sides and the back of the unit.
  - Do not use outdoors. For indoor use only.
  - Avoid direct sunlight.
- Avoid installation in a high-humidity and/or dusty area.
  - Humidity above 55% can cause the unit to rust, collect condensation, and may decrease efficiency.
  - Dust collected on the condenser coil will cause the unit to malfunction.
  - Malfunctions due to temperatures above 75°F, humidity above 55%, or improperly maintained condenser coil will void the warranty.
- Select a location away from heat and moisture-generating equipment.
  - Ambient temperatures above 75°F may cause the compressor to malfunction.
  - Malfunctions due to ambient temperatures above 75°F will void the warranty.
  - Do not install the unit inside a closet or alcove.

## Caution

---

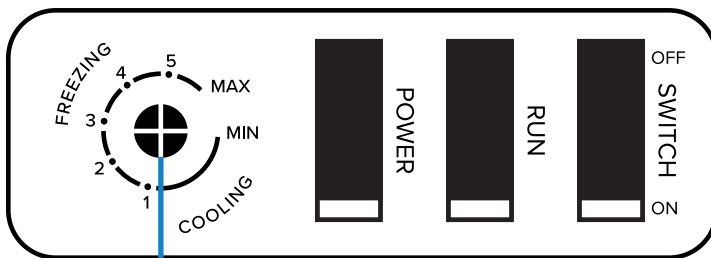
- Before placing food into the freezer, adjust the temperature control to the lowest point (highest number) and let it run for several hours. Put the pre-chilled food in, and after 12 hours, adjust the temperature control to the normal point.
- The temperature control may need to be adjusted based on the amount of food in the freezer and the ambient room temperature. More food or a higher room temperature may require a lower temperature setting (higher number).
- Never put hot food directly in the freezer. Food should be cold or frozen before placing it inside.
- Do not fill the freezer full of product. For best results, large items should be divided into smaller parts. Leave space between items so cold air can properly circulate and maintain safe temperatures.
- Non-packaged foods should be packed in plastic bags for proper safety.
- Never store flammable, explosive, or corrosive products in the freezer. Keep the freezer away from such materials.

## Electrical

- Ensure that the required voltage is being supplied at all times.
- The unit should be plugged into a grounded and properly sized electrical outlet with appropriate over-current protection. Refer to the electrical requirements on the unit's nameplate.
- The unit should have its own dedicated outlet.
- Do not use extension cords.
- Ensure the unit is not resting on or against the electrical cord.
- If the unit is not in use for a long period of time, unplug the unit from the outlet.
- To avoid shock and fire hazards, do not plug in or unplug the unit with wet hands.
- After unplugging the unit, wait at least 10 minutes before plugging it back in. Failure to do so could damage the compressor.
- If power is cut off, wait at least 10 minutes before turning on again to avoid damage to the compressor.
- In the event of damage to the electric wires or plug, contact the after-sales service. Do not attempt to repair it yourself.
- If the voltage is unstable, choose the suitable automatic voltage regulator.

## Adjusting the Temperature

The temperature in the cabinet can be adjusted with a screwdriver.



Turning the screw counterclockwise decreases the temperature.

## Defrost System

To ensure optimal performance, defrost when the thickness of the ice on the cabinet wall reaches ¼". To defrost, turn the temperature control knob to the lowest setting (the lowest number on numbered controllers) for 5-6 hours before defrosting. Power the freezer off and take all food out. Remove the ice buildup (DO NOT USE SHARP TOOLS). After defrosting, clean the wall with a dry cloth and then turn the power back on.

To manually defrost, unplug the unit and use a drainage tube to release the water from the melted ice. The drainage tube will need to be placed in a drain or pump. Once all ice is melted and water is drained, the manual defrost is complete. Wipe down the inside of the cabinet with a cloth, then plug the unit back in to get back to optimal serving temperature before inserting product.

## Cleaning the Interior of Unit

- While defrosting, open the panel to access the drain tube to release excess water.
- Lower the condensation drainage pipe and connect to a drain or bucket to catch the drainage water.
- After draining, clean the wall with a dry cloth and then turn the power back on.

## Please Note

- The sound of water flowing during operation is normal; this is the refrigerant.
- When the humidity is high, dew may form on the surface of the freezer.
- When the freezer is running, the condenser and compressor will be hot.

## Safety / Warning

Please pay close attention to the safety notices in this section. Disregarding these notices may lead to serious injury and/or damage to the unit.

### Attention

---

- To minimize shock and fire hazards, be sure not to overload outlet. Designate one outlet for your unit.
- Do not use extension cords.
- Do not put your hands under the unit while it is being moved.
- When the unit is not in use for a long period of time, unplug the unit from the outlet.
- After unplugging the unit, wait at least 10 minutes before plugging it back in. Failure to do so could cause damage to the compressor.

### Unplug Cord

---

- To minimize shock and fire hazards, do not plug in or unplug the cord with wet hands.
- Unplug the unit during maintenance and cleaning.

### Proper Grounding Required

---

- To minimize shock and fire hazards, make sure that the unit is properly grounded.

### Warning

---

- Do not attempt to remove or repair any component unless instructed by the factory.
- Make sure that the unit is not resting on or against the electrical cord and plug.
- To minimize personal injury, do not hang on the doors.
- Do not store any flammable and explosive gas or liquids inside the unit.
- Do not attempt to alter or tamper with the electrical cord.

## Operation / Maintenance

**WARNING: DISCONNECT POWER CORD BEFORE CLEANING ANY PARTS OF THE UNIT.**

**NOTE: We strongly recommend that any servicing be performed by an authorized service technician.**

### Loading Product

---

- Do not block the air vents.
- Ensure all accessories are sitting level and properly secured before loading products.
- Non-packaged foods should be packed in plastic bags for proper safety.
- In order to save energy, limit the number of times the lid is opened and the length of time the lid is open.
- Do not place heavy or hot things on top of the freezer, as this can cause damage.
- Be sure to power the freezer off before cleaning it.
- Do not store flammable and explosive gas or liquids inside the unit.
- The freezer should not be left unused for an extended period of time. If you plan to stop using the freezer, power it off, then clean the inside and keep the door open for 2-3 days to let it dry.

### Cleaning the Interior of the Unit

---

- Use a soft cloth with moderate detergent and warm water to clean the freezer.
- Do not use steel wool, caustic soap, abrasive cleaners, or bleach that may damage the interior finish.
- Use warm water to clean oil or fruit juice stains on the gasket to keep its elasticity. Apply talcum powder to the gasket to prolong its life.
- Periodically remove the accessories from the unit and clean them with mild soap and warm water.

### Attention

---

- Children should not operate this machine.
- Children should not play around this equipment.
- We have the right to change materials and specifications without notice. Please find the specific parameters on the rated label of the product.



## Troubleshooting

Problem	Possible Cause	Possible Solution
Freezer keeps unfreezing.	Temperature control is set to the highest point.	Adjust the temperature.
	The plug is not properly plugged in.	Make sure the plug is connected properly.
	The fuse is broken off.	Replace the fuse.
Compressor does not shut off.	Temperature control is set to the lowest point.	Adjust the temperature.
	There is too much product in freezer.	Remove some product from the freezer.
	There is ice buildup.	Defrost the freezer.
	The doors are being opened and shut too often.	Reduce the amount of time the door on the freezer is opened and shut.
	The freezer is too close to a wall.	Place the freezer away from the wall (at least 6").
	The freezer is located too close to a heat source.	Move the freezer away from the heat source.
Loud noises.	The freezer is on an uneven surface.	Relocate the freezer to a level surface.
	The refrigeration tubes are touching each other.	Make sure the tubes are not touching each other.
Unit is leaking water.	High relative humidity.	This refrigerator is designed to perform in temperature controlled environment up to 75°F and 55% relative humidity.
	Drainage tube is clogged.	Verify the drainage tube is clear and unobstructed.
	Temperature controller failed.	Contact a licensed service technician.