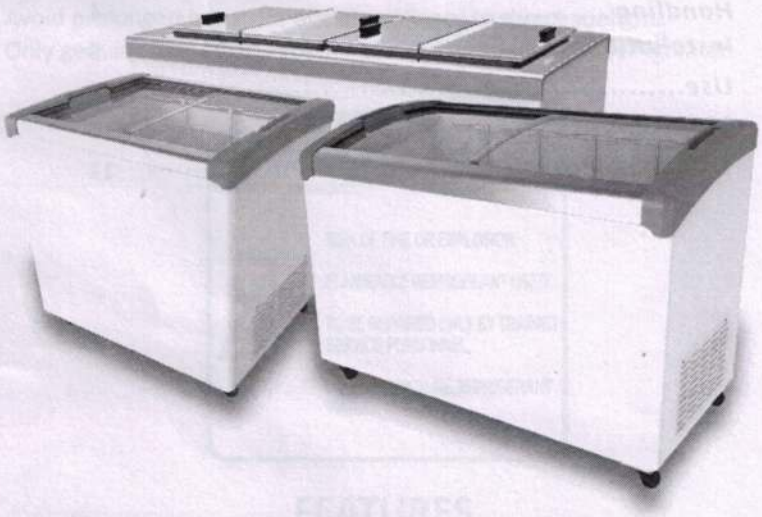
Excellence Industries

HORIZONTAL ICE CREAM FREEZERS



INSTRUCTIONS FOR INSTALLATION AND USE

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THESE UNITS ARE INTENDED SOLELY FOR PREPACKAGED ICE CREAM ONLY

UPDATED APRIL 2020

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INTRODUCTION

This manual contains instructions for installation, operation and general maintenance of your unit. It also includes a Troubleshooting Chart to diagnose problems along with corrective actions.

GENERAL SAFETY

- This appliance employs hydrocarbon R-290 (Propane) in its refrigeration system. As this refrigerant is flammable, maintenance and recharging must therefore only be carried out by authorized technicians.
- Take care when handling your appliance so as not to cause any damages to the cooling unit with consequent possible fluid leakages.
- The appliance must not be located close to stoves, radiators or boilers.
- Avoid prolonged exposure of the appliance to direct sunlight.
- Only genuine spare parts should be used to service this refrigerator.

FEATURES

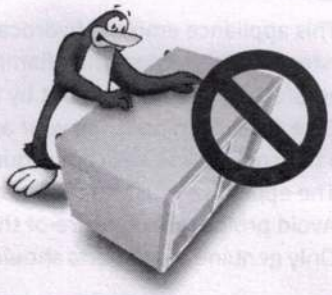
- Hydrocarbon R-290 refrigerant, which is environmentally friendly and makes these units the greenest freezers in the world.

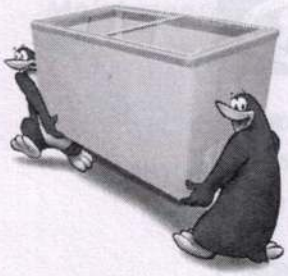
- Sturdy cabinet with strong structural stability resulting from the most advanced foam-in-place injection system. Polyurethane insulation with cyclopentane as blowing agent which does not harm the ozone layer and does not affect global warming.

HANDLING

To move your horizontal freezer:

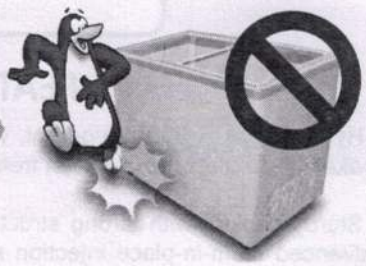
Always move the unit in an upright position. Do not set it on its side or upside down as you may damage the cabinet and spill the compressor oil.





If lifting the unit, hold it from its base. It is recommended to use a dolly.

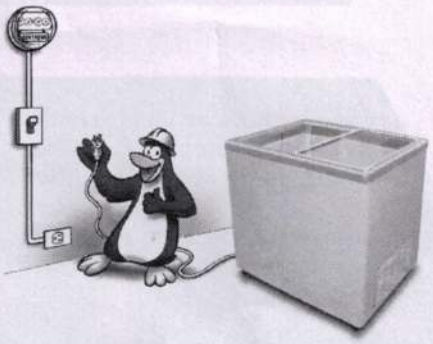
Do not let the unit fall abruptly.



INSTALLATION

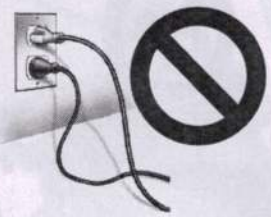
CONNECTING CABINET TO PROPER ELECTRICAL POWER SUPPLY:

Each freezer requires a dedicated circuit to prevent malfunction of the compressor and electrical components. All models require a 115 volts/60 Hz electrical supply, preferably with a breaker of the time delay relay type. Each unit should be connected to its own circuit in accordance with National Electric Codes and local ordinances.



The connection should be a direct line from the breaker to the power outlet.

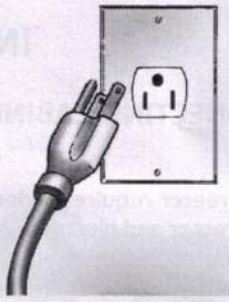
Do not connect the unit to an outlet that has other appliances or devices plugged in.



Do not use extensions, as this may damage the compressor.

The power cord has a grounding prong.

This power cord must be connected to a grounded outlet to prevent electrical shock. If the outlet is not grounded, a qualified electrician must carry out the installation.



If you are not sure that the outlet connection is properly grounded, please check with a qualified electrician. Do not under any circumstance eliminate the grounding prong from the power cord.

Place the equipment on a surface strong enough to support the combined weight of cabinet and product load, and solid enough to prevent vibration. Guideline: estimate 35 pounds per cubic feet of storage space.

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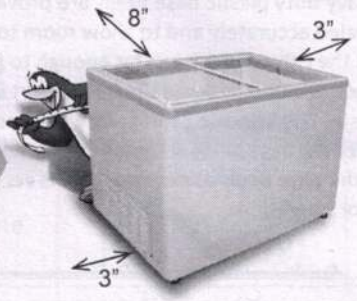
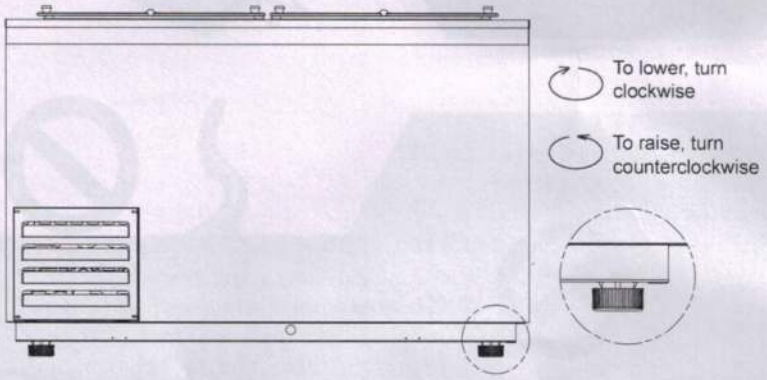
Clearance: Leave an air space of at least 8" in back and 3" in both sides of the cabinet to provide adequate circulation of air to the unit compartment.



Cabinets should never be placed in front of windows or glass doors where the sun shines directly on the cabinet for any length of time. If the cabinet is located in front or windows, etc., provide a shade to shield the cabinet from direct sunlight. Ambient temperature must be between 59° and 95° F. Low ambient temperatures below 50° F are as harmful as high ambient temperatures. Excessive heat ranges will definitely affect the performance of the cabinet.

INSTALL PLASTIC BASE HEEL:
Only applies for HFF Line

Heavy duty plastic base heels are provided with HFF Line so the cabinet may be leveled accurately and to allow room to clean beneath the cabinet.
Tilt the cabinet back just far enough to fit the front plastic base heels and place a block of wood or some similar support under it until both front plastic base heels are in. Then tilt the cabinet forward enough to install the rear plastic base heels. After the base heels are intalled, level the cabinet by using the adjustable portion of the base heels as needed. This is very important to insure proper draining and door operation.



START UP OF CABINET:

1. Plug in electrical power cord. Do not under any circumstances cut or remove the round grounding prong from the power cord. Removal of grounding prong invalidates product warranty.
2. If the condensing unit does not run after the power cord is plugged in, check to see that the temperature control knob is in the "ON" position. (Please see Troubleshooting section of this manual for more information).
3. Before loading product into the cabinet, allow compressor to run for at least two hours after initial pull down to ensure the unit has achieved proper temperature. Please note that a storage freezer is not designed to freeze unfrozen products. It is designed to keep pre-frozen product frozen.
4. Remember to always close the door of your freezer, to prevent heat from coming in contact with the product.

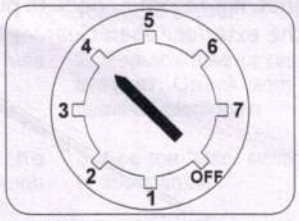
5. Do not unplug your freezer at night, as this may increase energy consumption when it is connected the following day.
6. The temperature of a freezer must be between 0 and –10 ºF (-18 ºC and –23 ºC).

USE

The position of the thermostat knob should be number 4.

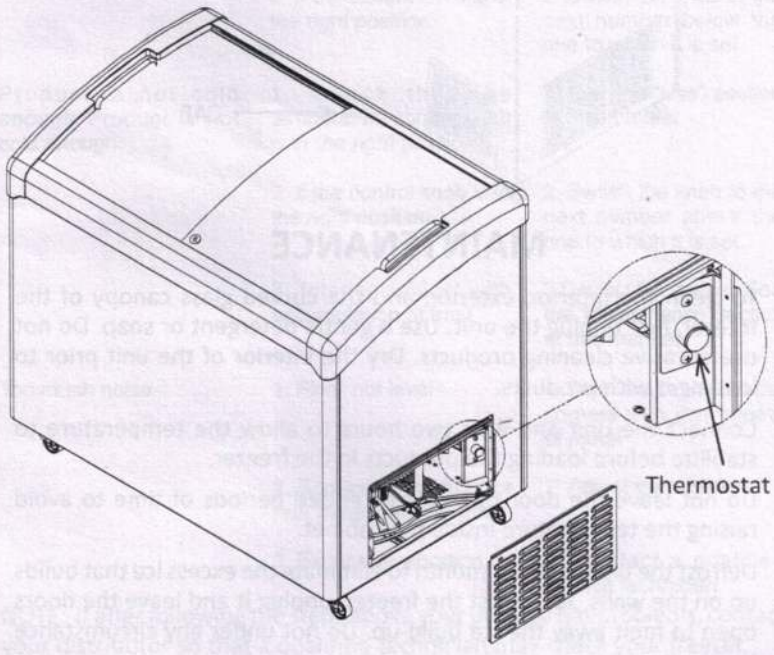
For a colder temperature, turn the thermostat knob to a higher number.

For a warmer temperature, turn the thermostat knob to a lower number.



Position of the thermostat

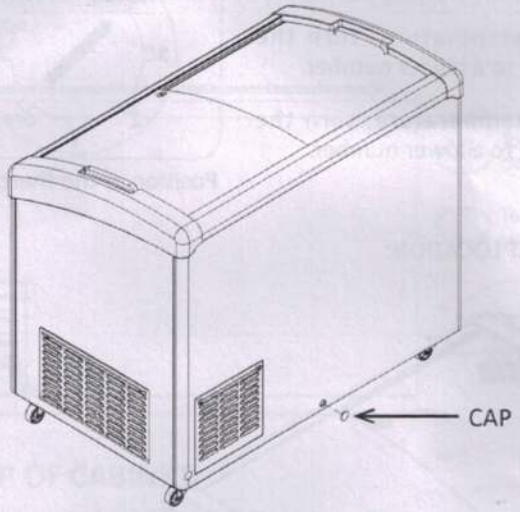
THERMOSTAT LOCATION:



DRAINAGE SYSTEM FOR HORIZONTAL FREEZERS

Internal drainage system:

Your horizontal freezer has also a drain located in the inner bottom floor of the cabinet. When cleaning the interior of your freezer, make sure to remove the cap of the nozzle located on the exterior lower section of the cabinet. It is recommended to place a water collecting pan under the nozzle on the exterior, when cleaning the inside.



MAINTENANCE

1. To clean the interior, exterior, and the curved glass canopy of the freezer, first unplug the unit. Use a gentle detergent or soap. Do not use abrasive cleaning products. Dry the interior of the unit prior to loading it with products.
2. Connect the unit and wait two hours to allow the temperature to stabilize before loading the products in the freezer.
3. Do not leave the door open for extended periods of time to avoid raising the temperature inside the cabinet.
4. Defrost the unit once per month to eliminate the excess ice that builds up on the walls. To defrost the freezer, unplug it and leave the doors open to melt away the ice build-up. Do not under any circumstance try to remove the ice with an ice pick.

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TROUBLESHOOTING CHART

Freezer does not start, no noise	1. Check power cord connection and voltage	1. Plug in power cord correctly
		1.2 If unit doesn't start, unplug the unit and connect a radio, lamp or other appliance to verify if voltage is preset
	2. Check for blown fuse or breaker	2. Replace fuse or reset breaker. Check with a qualified electrician
	3. Check that the temperature control knob is in the right position	3. See the "Use" section of this manual
Product is too cold	1. Check that the temperature control knob is in the right position	1. See the "Use" section of this manual
	2. If the control knob is in the right position	2. Switch the knob to the next number below the one to which it is set
Product is not cold enough Product is not cold enough	1. Check that the temperature control knob is in the right position	1. See the "Use" section of this manual
	2. If the control knob is in the right position	2. Switch the knob to the next number above the one to which it is set
	3. Interior cabinet with accumulation of frost	3.Defrost the freezer. See the "Maintenance" section of this manual
Too much noise	1. Floor not level	1. Shim the cabinet at the corners with thin sheets of metal
	2. Screws of the front or rear panel may be loose	2. Adjust the screws
	3. Excessive vibration	3. Contact a qualified service technician

NOTE: If after following the steps above your unit still has problems, contact your distributor so that a qualified technician may check your freezer.

sustainability
Refrigeration with responsibility.
ENVIRONMENTALLY FRIENDLY MODEL
Insulation injected using cyclopentane, which does not harm the ozone layer and does not affect global warming.
This unit operates with CFC-Free refrigerant gas.