



AVANTCO 193BCF36B Square Bakery Cases User Manual

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Square Bakery Cases

Models

Refrigerated Bakery Models		Dry Bakery Models	
#193BCF36B	36" Black	#193BCFD36B	36" Black
#193BCF36W	36" White	#193BCFD36W	36" White
#193BCF48B	48" Black	#193BCFD48B	48" Black
#193BCF48W	48" White	#193BCFD48W	48" White
#193BCF60B	60" Black	#193BCFD60B	60" Black
#193BCF60W	60" White	#193BCFD60W	60" White
#193BCF72B	72" Black	#193BCFD72B	72" Black
#193BCF72W	72" White	#193BCFD72W	72" White

Note:

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

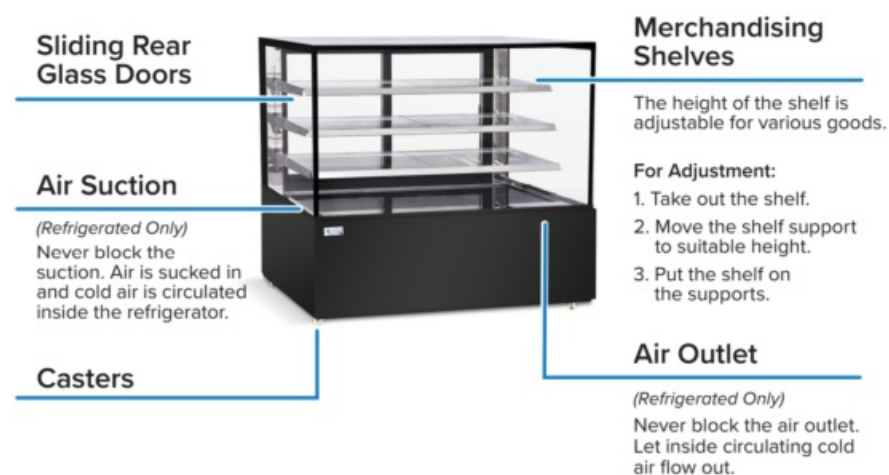
Other Model



Warnings

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

Structure & Components



Installation

Please read this manual thoroughly prior to equipment setup, operation, and maintenance.

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

Important! Please Read Before Installation

- If the unit has recently been transported on its side, let the unit stand upright for a minimum of 24 hours before plugging it in.
- Make sure that the unit has reached the desired temperature before loading the unit with products.
- Make sure that there is proper ventilation around the unit in the area where it will operate.
- Make sure all accessories are installed (i.e., shelves, shelf clips, casters) before plugging the unit in.
- 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.
- Please read through the manual in its entirety.
- 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 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, please maintain a clearance of 4" on the back and sides of the unit.
- Do not use outdoors. For indoor use only.
- Do not install in open doorways or under air vents.
- 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.
- The unit should not be used in areas over 90°F.
- Malfunctions due to ambient temperatures above 75°F will void the warranty.
- Do not install the unit inside a closet or alcove.


Temperature Controls

Adjusting the Temperature

- Your new refrigerator is already factory set to run at optimum temperatures for food safety and should require no adjustments.

Touch Controls

1. Set Temperature:

- When turned on, press the  key to enter the temperature setting state.

- The “SET” icon and set value with flash, press the ▲ or ▼ button once to increase or decrease the temperature.
- If there is no key pressed for more than 5 seconds, or the ⚙ key is pressed again within 5 seconds during setting, the temperature setting state will exit and return to normal display.

2. Lights:

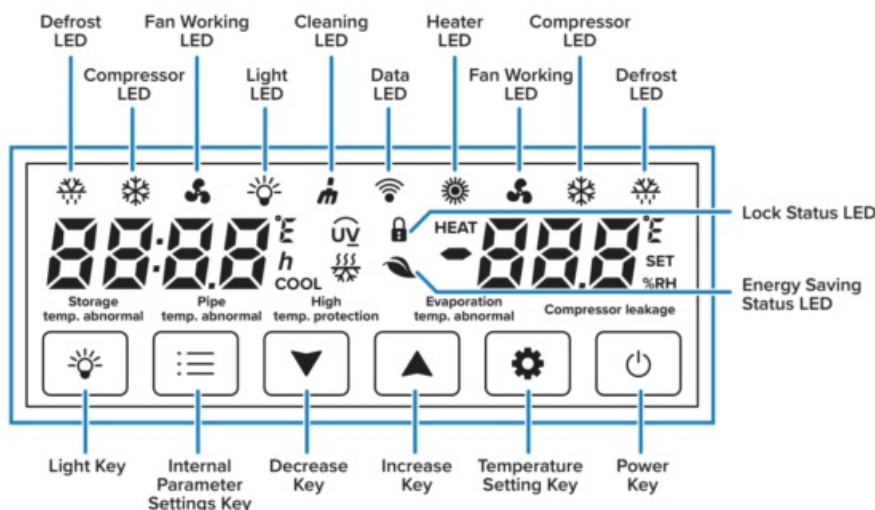
- When powered on, short press the 💡 key to turn on/off the LED light, the 💡 LED will turn on or off accordingly.

3. Manual Start/Stop Defrost:

- Under normal working conditions, press and hold the 💡 key for 5 seconds. The unit will enter manual defrosting mode, indicated by the ❄ LED illuminating.
- When in defrosting mode, press and hold the -💡 key to stop defrosting.

4. Lock/Unlock Operation:

- When the system is turned on and in an unlocked state, press and hold the ▼ key.
- After 5 seconds, the 🔒 LED will illuminate, indicating the system has entered a locked state.
- When locked, all buttons are inactive except for the and keys.



Operation

Defrost System

Automatic Defrost Cycle

- Refrigerator coils are kept below the freezing point (32°F).
- During compressor downtime, the evaporator fan continues to circulate air through the evaporator coil. This air circulation raises the coil temperature above the freezing point, melting any accumulated frost.
- Run-off water is drained into the evaporator pan and evaporated.

Loading the Product

- Do not block the air vents.

- Ensure all shelves are sitting level and properly secured before loading products.
- Do not store flammable and explosive gas or liquids inside the unit.
- This unit is meant for holding chilled products.

Maintenance

DISCONNECT POWER CORD BEFORE CLEANING ANY PARTS OF THE UNIT.

NOTE: It is strongly recommended that any servicing of the unit be performed by an authorized service technician.

Cleaning the Fan Blades and Motor

- If necessary, clean the fan blades and motor with a soft cloth.
- If it is necessary to wash the fan blades, cover the fan motor to prevent moisture damage.

Cleaning the Interior of the Unit

- When cleaning the cabinet interior, use a solvent of warm water and mild soap.
- Do not use steel wool, caustic soap, abrasive cleaners, or bleach that may damage the interior finish.
- Periodically remove the shelves and shelf brackets from the unit and clean them with mild soap and warm water.

Cleaning the Condenser Coil

- For efficient operation, keep the condenser surface free of dust, dirt, and lint.
- We recommend cleaning the condenser coil at least once per month.

A dusty condenser may lead to high energy consumption, less cooling effectiveness, and compressor damage.

Condenser Coil Cleaning Instructions

The condenser coil is located at the bottom behind the panel.

1. Disconnect the electrical power from the unit.
2. Remove the front cover and base cover with a screwdriver.
3. Using a soft brush and/or vacuum, remove the dirt, lint, etc. from the finned condenser coil in a vertical direction.
4. Clean the condenser with a commercial condenser coil cleaner, available from any kitchen equipment retailer.
Ex: Noble Chemical Tech Line.
5. After cleaning, straighten any bent condenser fins with a fin comb.
6. When finished, be sure to reinstall the front cover and base cover.
7. Reconnect the electrical power to the unit.

Safety & Warning

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

- To minimize shock and fire hazards, be sure to not overload outlet. This unit should be given its own outlet.
- 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.
- To minimize shock and fire hazards, do not plug or unplug the cord with wet hands.
- Unplug the unit before performing maintenance or cleaning.
- To minimize shock and fire hazards, make sure that the unit is properly grounded.
- DO NOT attempt to remove or repair any component unless instructed by the factory.
- DO NOT allow the unit to rest on or against the electrical cord and/or plug.
- DO NOT hang on the doors.
- DO NOT store any flammable/explosive gas or liquids inside the unit.
- DO NOT attempt to alter or tamper with the electrical cord.
- DO NOT use the unit if the power cord is damaged.

Troubleshooting

Problem	Possible Cause	Possible Solution
Compressor not running.	Fuse blown or circuit breaker tripped.	Replace fuse or reset circuit breaker.
	Power cord unplugged.	Plug in power cord.
	Thermostat set too high.	Set thermostat to lower temperature.
	Cabinet in defrost cycle.	Wait for defrost cycle to finish.
Unit is making noise under the bottom shelf.	Fan blade is broken.	Replace fan blade.
Unit is not cooling.	Unit is turned off.	Turn unit on.
	Defrost cycle is running.	End defrost cycle.
	Refrigerant leaking.	Contact a licensed service technician.
High cabinet temperature caused by weak airflow.	Evaporator coil is frosted over.	Run a manual defrost cycle.
	Fan is damaged.	Replace the fan.
	The set point on the controller is too high.	Set the controller to a lower temperature. The set temperature is lowest temperature the refrigerator will reach.
	Airflow is blocked by product.	Rearrange or remove product to allow for complete airflow.
High cabinet temperature with normal airflow.	Refrigerant leaking.	Contact a licensed service technician.
	The set point on the controller is too high.	Set the controller to a lower temperature. The set temperature is lowest temperature the refrigerator will reach.
	Expansion valve failed.	Contact a licensed service technician.
	High ambient temperature or humidity.	The refrigerator is designed to perform in a temperature - controlled environment up to 75°F and 55% relative humidity.
Cabinet temperature is fluctuating.	Condenser coil is dirty.	Clean the condenser coil.
	Unit has improper airflow.	Make sure the unit has at least 6" of clearance on the back and that the front vents are not obstructed.
	Expansion valve blocked or failed.	Contact a licensed service technician.
	Temperature controller failed.	Contact a licensed service technician.
	Low refrigerant levels.	Contact a service technician to check refrigerant levels.
Condensation is collecting on the cabinet and/or floor.	Relative humidity is above 55%.	Move unit to area below relative humidity or lower humidity level.
	Drainage pipe is connected improperly.	Contact a licensed service technician.

CUSTOMER SUPPORT

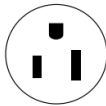
Intertek
5001766




Intertek
5001766



NEMA
5-15P



Documents / Resources



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3BCF36B, Square Bakery Cases, Bakery Cases

References

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