



## COMMERCIAL REFRIGERATORS AND FREEZERS

### *Service, Installation and Care Manual*

#### **Horizontal Bottle Coolers**

Models: MBST-25-A, MBST-36-A, MBST-50-A,  
MBST-65-A, MBST-80-A

**\*Not suitable for installation in a non-commercial or residential application.**



Important information - read before use. Please save these instructions!

*Please read this manual completely before attempting to  
install or operate this equipment. Notify carrier of  
damage! Inspect all components immediately.*

## INSTALLATION/ OPERATION

### IMPORTANT!!! PLEASE READ BEFORE INSTALLATION

- If the unit has recently been transported, let it stand still for a minimum of 24 hours before plugging it in.
- Make sure that the unit drops down to desired temperature before loading it with product.
- Make sure that there is proper ventilation around the unit and in the area where it will be operated.
- Make sure all accessories are installed (i.e. shelves, shelf clips, casters) before plugging in the unit.
- Please read through the Operation/Owner's Manual in its entirety.

### CABINET LOCATION GUIDELINES

- Install the unit on a strong and leveled surface
  - unit may make unpleasant noises or malfunction if surface is uneven
  - unit may malfunction if surface is uneven
- Install the unit in an indoor, well-ventilated area
  - unit will perform more efficiently in a well-ventilated area
  - for best performance, maintain a clearance of at least 4" from the back of the unit.
  
  - Outdoor use may cause decreased efficiency and damage to the unit
- Avoid installation in high humidity and/or dusty areas
  - high humidity may cause the unit to rust and decrease its efficiency
  - dust collected on the condenser coil may cause it to malfunction. Clean the condenser at least once per month with a brush or clean cloth
- **Select a location away from heat and moisture-generating equipment**
  - high ambient temperatures will cause the compressor to overwork, leading to higher energy bills and gradual breakdown of the unit.

### ELECTRICAL

Ensure that the required voltage of the compressor is being supplied at all times. Low or high voltage may detrimentally affect the refrigeration unit. All units should be plugged into a grounded and properly sized electrical outlet with appropriate over current protection. Refer to the electrical requirements on the nameplate. Make sure that the unit has its own dedicated outlet. Do not use an extension cord.

## **TEMPERATURE CONTROLS**

The temperature controls are factory-set to maintain an average temperature of 38 F. To maintain a different temperature, simply adjust the control knob located inside of the unit.

To decrease the temperature (colder), turn clockwise. To increase the temperature (warmer), turn counter-clockwise.

## **LOADING PRODUCT**

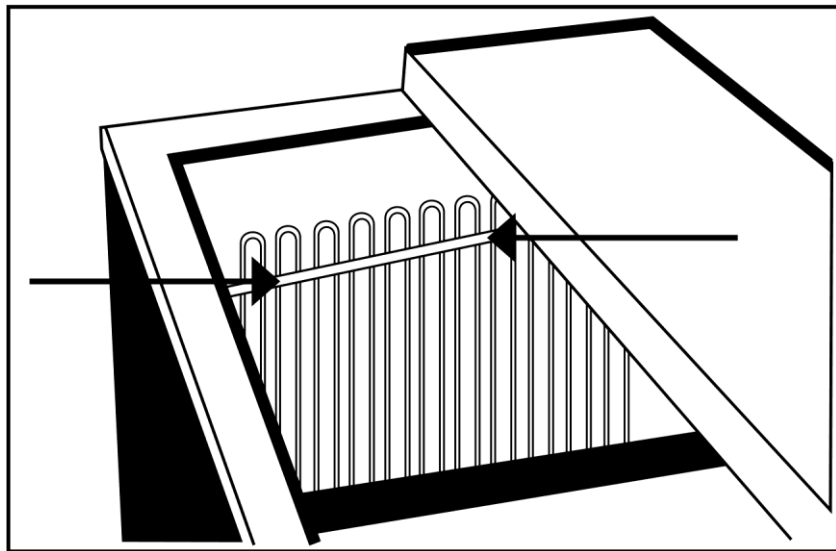
The bin dividers have been installed at the factory for your convenience. Feel free to reposition the dividers as you see fit. To remove the bin dividers, simply push the divider towards the back wall until the front of the divider is removed from the positioning holes. To install, position the divider to the desired holes, making sure that the pressure spring is installed properly.

**PAY CLOSE ATTENTION TO THE LOAD LIMIT STICKERS LOCATED ON THE INTERIOR WALLS OF THE UNIT. DO NOT LOAD PRODUCT ABOVE THE LOAD LIMIT STICKERS OR ABOVE THE TOP CROSS BAR OF THE BIN DIVIDERS. LOADING PRODUCT ABOVE THE LOAD LIMIT STICKERS WILL IMPEDE THE PERFORMANCE OF THE UNIT.**

## **CAUTION**

Setting the temperature control to the coldest setting may cause the evaporator coil to freeze and ice up. This will eventually result in a warmer cabinet temperature.

Do not load  
Product above  
the top crossbar.  
Doing so will  
harm the  
Refrigeration.



## 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.

### ATTENTION

- To minimize shock and fire hazards, be sure not to overload the outlet. Designate one outlet for your unit.
- Do not use extension cords.
- Do not put your hands under the unit when it is being moved.
- When the unit is not in use for an extended period of time, unplug it from the outlet.
- After unplugging the unit, wait at least 10 minutes before re-plugging it 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.
- During maintenance and cleaning, unplug the unit.

## PROPER GROUNDING REQUIRED

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

## RESTRICTIONS

- Do not attempt to remove or repair any component unless instructed by the manufacturer.
- Make sure that the unit is not resting on or against the electrical cord or plug.
- To minimize personal injury, do not hang on the doors.
- Do not store flammables, explosive gases, or liquids inside of the unit.
- Do not attempt to alter or tamper with the electrical cord.
- Do not set the desired temperature out of the recommended temperature range: (Ref: 32 F - 50 F)

### CAUTION FOR SAFETY.

1. Leave enough space from the wall and ceiling to the cabinet. Do not position the back part of the cabinet against the wall. If necessary, prepare an air vent to the outside.
2. **Caution:** Allow at least 8 inches from the cabinet to the wall.
3. Remove all materials and packaging from bottom of the unit to allow air circulation and to avoid a fire.
4. Do not store flammable or volatile chemicals in or around the unit.
5. Use an individual, single-phase socket connected to a grounding wire.
6. **Caution: Do not connect the grounding wire to a water or gas pipe.**
7. Be careful when handling this equipment. It should not experience severe impact or vibration during transport. Do not tilt the cabinet more than 45°.
8. Refer to the Trouble Shooting references when experiencing problems. Do not attempt to solve problems on your own. Consult with a 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 by trained service personnel only. 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; follow handling instructions carefully. Flammable refrigerant used.

**CAUTION** - Keep all ventilation openings in the appliance enclosure or in a built-in structure clear of obstruction.

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

## REGULAR MAINTENANCE

### CLEANING THE CONDENSER COIL

- For efficient operation, it is important that the condenser surface be kept free of dust, dirt, and lint.
- We recommend cleaning the condenser coil and fins at least once per month.
- Clean with a commercial condenser coil cleaner, available from a kitchen equipment retailer. Brush the condenser fins from top to bottom, not side to side.
- After cleaning, straighten any bent condenser fins with a fin comb.

### 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 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 which may damage the stainless steel surface.
- Periodically remove the bin dividers and thoroughly clean them with warm soap and water. If any liquid is collected on the inside of the unit, clean it right away. Do not leave the liquid sitting inside of the unit. This will cause corrosion and will reduce the life of the unit.

### **WARNING**

**Disconnect power cord before cleaning any parts of the unit.**

## TROUBLE SHOOTING GUIDE

Before requesting any service on your unit, please check the points on the following pages. Please note that this guide serves only as a reference for solutions to common problems.

<p>Compressor not running.</p>	<p>Fuse blown or circuit breaker tripped.</p> <p>Power cord is unplugged.</p> <p>Thermostat is set too high.</p> <p>Cabinet is in defrost cycle.</p>	<p>Replace the fuse or reset the circuit breaker.</p> <p>Plug in power cord.</p> <p>Set thermostat to a lower temperature.</p> <p>Wait for defrost cycle to finish.</p>
<p>Condensing unit runs for long periods of time.</p>	<p>Excessive amount of warm product placed in the cabinet.</p> <p>Prolonged door opening or door ajar.</p> <p>Door gasket(s) are not sealing properly.</p> <p>Dirty condenser coil.</p> <p>Evaporator coil is iced over.</p>	<p>Allow adequate time for product to cool down.</p> <p>Ensure doors are closed when not in use. Avoid opening doors for long periods of time.</p> <p>Ensure gaskets are snapped in completely. Remove gasket and wash with soap and water. Check condition of gasket and replace it if necessary.</p> <p>Clean the condenser coil.</p> <p>Unplug the unit and allow coil to defrost. Make sure thermostat is not set too cold.</p> <p>Ensure that door gasket(s) are sealing properly.</p>
<p>Cabinet temperature is too warm.</p>	<p>Thermostat is set too warm.</p> <p>Air flow is blocked.</p> <p>Excessive amount of warm product placed in cabinet.</p> <p>Fuse blown or circuit breaker tripped.</p> <p>Dirty condenser coil.</p> <p>Prolonged door opening or door ajar.</p> <p>Evaporator coil is iced over.</p>	<p>Set thermostat to lower Temperature.</p> <p>Re-arrange product to allow for proper air flow. Make sure there is at least four inches of clearance from evaporator.</p> <p>Allow adequate time for product to cool down.</p> <p>Replace fuse or reset circuit Breaker.</p> <p>Clean the condenser coil.</p> <p>Ensure doors are closed when not in use. Avoid opening doors for long periods of time.</p> <p>(See above)</p>

<p>Cabinet is noisy.</p>	<p>Loose part(s).  Tubing vibration.</p>	<p>Locate and tighten loose parts.  Ensure tubing is free from contact with other tubing or components.</p>
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