



## COMMERCIAL REFRIGERATOR AND FREEZER

### *Service, Installation and Care Manual*

#### GLASS DOOR MERCHANDISERS

##### **Refrigerator Models:**

MGD-3DR-80-A, MGD-2DR-48-A, MGD-2DR-47-A, MGD-1DR-23-A, MGD-1DR-16-A, MGD-1DR-21-A, MGD-1DR-25-A, MCM5-A, MCM7-A

##### **Freezer Models:**

MGD-2DF-48-A, MGD-1DF-27-A, MGD-1DF-23-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

- The refrigeration system operates most efficiently when installed in an area with cool, dry air circulation.
- There must be at least 6 inches of clearance on both sides and the back of the cabinet.
- Select a location away from heat and moisture generating equipment such as stoves and ovens.
- Avoid direct sunlight.
- Be sure that the floor where you intend to install the unit is strong and level enough to support the total weight of the unit and its contents.
- To minimize shock and fire hazards, be sure that the unit is properly grounded. For your safety and protection, all units come equipped with a special three-prong grounding plug on the service cord.
- All units intended for indoor use only. Outdoor use may cause significant damage to the unit.

## PRECAUTIONS

- To minimize shock and fire hazards, be sure not to overload the outlet.
- To minimize electric shock and malfunction, do not spray the unit with water.
- To minimize fire hazards, do not use flammable spray products near the unit.
- After unplugging the unit, wait at least 6 minutes before re-plugging it in. Not waiting 6 minutes may cause compressor failure.
- Cautions for cleaning:
  - \* Unplug the power cord before cleaning.
  - \* Do not unplug or plug the power cord with wet hands.
  - \* Do not use abrasive cleaners, solvents, or polishing agents on plastic parts. Doing so may cause cracking or discoloring.

■ When the unit is not in use:

- \* Unplug the power cord.
- \* Wipe the inside with a dry cloth and leave the door slightly open to prevent moisture and odor.

**CAUTION FOR SAFETY:**

- 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.
- Allow more than 20 cm from the cabinet to the wall.
- Remove all materials and packaging from bottom of the unit to allow air circulation and to avoid a fire.
- Do not store flammable or volatile chemicals in or around the unit.
- Use an Individual, single-phase socket connected to a grounding wire.
- Caution: Do not connect ground wire to a water or gas pipe.
- Be careful when handling this equipment. It should not experience severe impact or vibration during transport. Do not tilt the cabinet more than 45°.
- Refer to the Trouble Shooting references when experiencing problems. Do no 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 the unit. Do not puncture refrigerant tubing. Only trained service personnel should repair the unit.
- **CAUTION** - Risk of fire or explosion. Flammable refrigerant used. Consult repair manual/owner's guide before attempting to service this product. Follow all safety precautions.
- **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 clear of obstruction at the appliance enclosure or in the structure for building-in.
- **CAUTION** - servicing shall be performed by factory authorized service personnel to minimize the safety risks due to use of incorrect parts or improper service.

## OPERATION/MAINTENANCE

- When loading the unit:
  - \* Be careful not to block the air duct located at the back or the fan on the ceiling of the unit with contents.
  - \* Blocking the air flow may cause a decrease in performance.
  - \* For the best performance, maintain at least 4 inches of clearance between the contents and the air duct.
- Set the provided shelves to fit your needs.
- Temperature controller:
  - \* The controller is located on the right, front corner of the ceiling.
  - \* Temperature is set as "4" by default.
- Do not leave the unit door(s) open for an extended period of time. For the most efficient operation, close the door(s) immediately after use.

## TROUBLE SHOOTING GUIDE

SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION
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.
Condensing unit runs for extended periods of time and/or poor unit performance.	Excessive amount of warm product placed in cabinet	Allow adequate time for product to cool down.
	Prolonged door opening or door ajar.	Ensure doors are closed when not in use. Avoid opening doors for extended periods of time.
	Door gasket(s) are not sealing properly.	Ensure gaskets are snapped into place completely. Remove gasket and wash with soap and water. Check condition of gasket and replace it if necessary.
	Dirty condenser coil.	Clean the condenser coil.
	Evaporator coil iced over.	Unplug unit and allow coil to defrost. Make sure thermostat is not set too cold. Ensure that door gasket(s) are sealing properly.
Cabinet temperature is too warm.	Thermostat is set too warm.	Set thermostat to lower temperature.
	Unit is placed in direct sunlight or near heat sources	Move the unit from direct sunlight and avoid installing heating devices near the unit.
	Air flow blocked.	Re-arrange product to allow for proper air flow. Make sure there is at least four inches of clearance from the evaporator. Maintain a minimum of 6" clearance in the back.
	Excessive amount of warm product placed in the cabinet.	Allow adequate time for the product to cool down.
	Fuse blown or circuit breaker tripped.	Replace fuse or reset circuit breaker.



	Dirty condenser coil.	Clean the condenser coil.
	Prolonged door opening or door ajar.	Ensure doors are closed when not in use. Avoid opening doors for extended periods of time.
	Evaporator coil iced over.	(see above)
Condensation on the cabinet and/or the floor	Too much moisture in the air	Reduce the relative humidity in the area where the unit is installed.
	Gasket on the door or head section is not sealing properly.	Repair or replace the gasket as necessary.
No Interior Light	Light switch is not on.	Turn off the light switch and turn it on again.
	Poor bulb connection	Make sure the bulb is inserted correctly into the socket.
	Blown lightbulb	Replace with a new lightbulb
Cabinet is noisy.	Loose part(s).	Locate and tighten loose part(s).
	Tubing vibration.	Ensure tubing is free from contact with other tubing or components.

