

COMMERCIAL REFRIGERATOR AND FREEZER

USER'S MANUAL

GLASS DOOR MERCHANDISERS

Model: NPOA-30,NPOA-36,NPOA-48,NPOA-72

*PLEASE READ THE MANUAL THOROUGHLY PRIOR TO
EQUIPMENT SET-UP, OPERATION AND MAINTENANCE.*

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 the heat and moisture generating equipment such as stoves, ovens, etc.
- Avoid direct sun rays.
- 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 are equipped with a special three-prong grounding plug on the service cord.
- All units are designed for indoor use. 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. It may cause compressor failure if plugged in before 6 minutes waiting period.
- Cautions for cleaning:
 - * Unplug the power cord before cleaning.
 - * Do not unplug/plug the power cord with wet hands.
 - * Do not use an abrasive cleaners, solvents or polishing agents on plastic parts. Doing so might cause cracking or discoloring.

■ When it is not in use:

- * Unplug the power cord.
- * Wipe inside with dry cloth, and you may leave the door slightly open to eliminate moisture and odor.

III.

CAUTION FOR SAFETY.

1. Leave enough space from the wall to the cabinet and the ceiling; do not be sealed completely in the back part of the cabinet, prepare an air vent to the outside.

Caution: It needs more than 20 cm from the cabinet to wall.

2. Please move away all out-package for bottom heat radiation to avoid fire.
3. It's prohibited to store flammable and volatile chemical, or leading to exploding.
4. Individual single-phase socket must be used. It should be reliably connected to a grounding wire.

Caution: Do not connect grounding wire to a water or gas pipe.

5. Do not be hard collided or fiercely vibrated when in transportation; it is not larger than 45° for the inclination of the cabinet.
6. Please refer to the Trouble Shooting references when the unit is facing some problems. Do not attempt to solve the problem on your own. Please refer to certified technician only.
7. **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 only by trained service personnel. 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 clear of obstruction all ventilation openings in the appliance enclosure or in the structure for building-in.

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

OPERATION/MAINTENANCE

■ When loading the unit:

- * Be careful not to block the air duct located at the back and the fan on the ceiling of the unit with contents.
- * Blocking the air flow may cause decrease in performance.
- * For the best performance, maintain at least 4 inches of clearance between the contents and the air duct.

■ Set the shelves that comes with the unit to fit your needs.

■ Temperature controller:

- * The controller is located at the right, front corner of the ceiling.
- * Temperature is set as "4" at default.

■ Do not leave the unit door open for long period of time. For the most efficient operation, close the door immediately after the use.

TROUBLE SHOOTING GUIDE

SYMPTOMS	REMEDY
COMPRESSORS WILL NOT START	<ul style="list-style-type: none"> ▲ Check if the power cord has been plugged in. ▲ Check for blown fuse.
POOR PERFORMANCE	<ul style="list-style-type: none"> ▲ Move the unit from direct sun light, and avoid installing heating devices near the unit. ▲ Install the unit in a well ventilated place with minimum of 6" clearance in the back. ▲ Check the condenser, and clean if heavy dust is collected. ▲ Check to see if contents are blocking the air duct. ▲ Check the temperature controller for possible incorrect temperature setting. ▲ Check to see if refrigerant charge is low. ▲ Make sure the door is completely closed.
NOT INTERIOR LIGHT	<ul style="list-style-type: none"> ▲ Turn off the light switch and turn it on again. ▲ Make sure the bulb is correctly inserted into the sockets. ▲ Check the bulb, and replace it if blown.
UNIT NOISY	<ul style="list-style-type: none"> ▲ Make sure to install the unit on level surface. ▲ Make sure to maintain the minimum clearance of 6" from the wall. ▲ Check for the loose parts or mounting. ▲ Make sure the tubing is free from any contact to avoid tubing rattle.
CONDENSATION ON CABINET AND/OR FLOOR	<ul style="list-style-type: none"> ▲ Reduce the relative humidity in the area where the unit is installed. ▲ Gasket on door or head section is not sealing properly. Repair or replace gasket as necessary.