

Reach-in Series

Models:

HDSR-1S HDSR-2S HDSR-3S

HDSR-1G HDSR-2G HDSR-3G

HDSF-1S HDSF-2S HDSF-3S

HDSR-19 HDSF-19

User's Manual

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INSTALLATION

IMPORTANT!!! PLEASE READ BEFORE INSTALLATION

- If the unit has recently been transported, please let unit stand still for a minimum of 24 hours before plugging it in.
- Make sure that the unit drops down to desired temperature before loading the unit with product.
- 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.
- Please read through the manual in its entirety.

CABINET LOCATION GUIDELINES

- **Install the unit on strong and leveled surfaces**
  - -unit may make unpleasant noises if surface is uneven
  - -unit may malfunction if surface is uneven
- **Install the unit in an indoor, well-ventilated area**
  - -unit performs more efficiently in a well-ventilated area
  - -for best performance, please maintain clearance of 4" on the back of the unit
  - -outdoor use may cause decreased efficiency and damage to the unit
- **Avoid installation in a high humidity and/or dusty area**
  - -humidity could cause unit to rust and decrease efficiency of the unit
  - -dust collected on condenser coil will cause unit to malfunction. Clean the condenser at least once a 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

Please ensure that the required voltage of the compressor is being supplied at all times. Low or high voltage can detrimentally affect the refrigeration unit. All units should be plugged into a grounded and properly-sized electrical outlet

with appropriate overcurrent protection. Please refer to the electrical requirements on the nameplate. Please make sure that your unit has its own dedicated outlet. Do not use an extension cord.

SAFETY / WARNING

Please 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 outlet. Please designate one outlet for your unit.
- Do not use extension cords.
- Do not put your hands under the unit when the unit is required to be moved.
- When the unit is not in use for a long period of time, please unplug the unit from the outlet.
- After unplugging the unit, wait at least 10 minutes before re-plugging it. Failure to do so could cause damage to the compressor.

UNPLUG CORD

- To minimize shock and fire hazards, please do not plug or unplug the cord with wet hands.
- During maintenance and cleaning, please unplug the unit.

PROPER GROUDING REQUIRED

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

PROHIBITION

- Do not attempt to remove or repair any component unless instructed by factory.
- Make sure that the unit is not resting on or against the electrical cord and plug.
- To minimize personal injury, do not hang on the doors.
- Do not store any flammable and explosive gas or liquids inside the unit.

- Do not attempt to alter or tamper with the electrical cord.

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 any 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 that may damage the stainless steel surface.
- Wash door gaskets on a regular basis, preferably weekly. Simply remove door gasket from the frame of the door, soak in warm water and soap for thirty (30) minutes, dry with soft cloth, and replace.
- Check door gaskets for proper seal after they are replaced.
- Periodically remove the shelves and pilasters from the unit and clean them with mild soap and warm water. To remove the pilasters, first remove the shelves and shelf brackets. Then, simply lift the pilaster up and out.

WARNING

Disconnect power cord before cleaning any parts of the unit.

PRECAUTIONS

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 no 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 builfing-in.

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

Notice: Use this equipment for its intended purpose as described in this User Manual.
Before you start to install your unit, carefully inspect it for freight damage.
If damage is discovered, immediately file a claim with the delivery freight carrier

TROUBLE SHOOTING

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

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 long periods of time.	Excessive amount of warn 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 long periods of time.
	Door gasket(s) not sealing properly.	Ensure gaskets are snapped in completely. Remove gasket and wash with soap and water. Check condition of gasket and replace 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 set too warm.	Set thermostat to lower temperature.
	Blocking air flow.	Re-arrange product to allow for proper air flow. Make sure there is at least four inches of clearance from evaporator.
	Excessive amount of warm product placed in cabinet.	Allow adequate time for 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 long periods of time.
	Evaporator coil iced over.	(see above)
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.