ROTATIONAL DISPLAYS

OPERATION INSTRUCTIONS



HDSCRCD-4

V1
110V60Hz

Thank you for choosing and purchasing our products. Please carefully read the operation instructions before use for a correct application and satisfactory effect.

Contents

2. General
2. Structure and Parts
3. Handle and Erection
4. Preparations and Power supply
5. Use and caution
6. Maintenance
7. Troubleshooting
8. Principle of refrigeration system and power system
8. Circuit Diagram
9. Major Parameters

Major Parameters

Parameter \ Model	HDSCRCD-4
Coolant and injection quantity(g)	R290(47)
General Rated input power(W)	170
Type of climate	4
Refrigerator temperature(℃)(℉)	2-12(35.6-53.6)
Electric shock protection class	I
Rated currency(A)	1.95
Lamp power(W)	1.5*2(LED)
Total effective volume(L)	73
Maximum load(kg)	10
Net weight(kg)	45
Rated voltage(V~)	110-120
Rated frequency(Hz)	60
Overall dimension(mm) (LxWxH)	504x504x1060
Foaming agent	Cyclopentane

Note

1. The electric circuit diagram and parameters on the product name plate are final ones if they have been changed.
2. The design might be improved without notice.

Warning: Refrigerant is facility burning of R290, please protect against fire.





Meaning of crossed out wheeled dustbin:

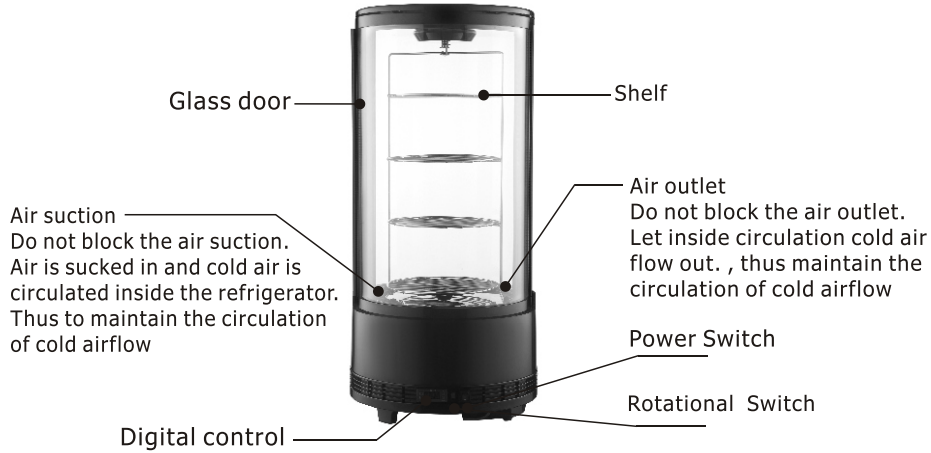
Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact you local government for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being. When replacing old appliances with new ones, the retailer is legally obligated to take back your old appliance for disposals at least free of charge.

General

The device has installed an enclosed compressor with refrigerant R290 which has indicated as environmental friendly agent. The product is operated under Air cooled cooling system. The body temperature maintains even.

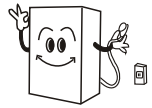
1. Double hollow transparent glasses are used on door and body, It features an artistic and elegant appearance, perfect perspective and easy access.
2. The device is commonly for commercial use, such as restaurants, convenience store, clubs .etc

Overview of parts



Handle and Erection

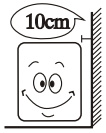
Handle with care
Unplug the wall socket first.
Never tilt it over 45 degree during handling



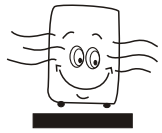
Dry place
Always locate the refrigerator at a dry place



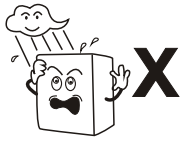
Sufficient space
The distance from both sides and back of refrigerator to wall or other substance must not less than 10 cm. The refrigeration capability might be decreased if its surround space is too small to circulate air



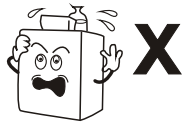
Well ventilation
Always locate the refrigerator at a place with fine ventilation. For the first time use, wait for 2 hours after handing and then plug the wall socket and start it.



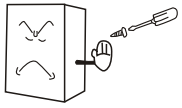
Far from heat source
Never place the refrigerator directly under the sunshine.Never locate it nearby any heat source or heater to prevent it from reducing refrigeration capability.



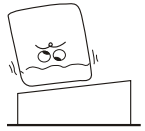
No heavy load
Never put any heavy load on the top of the refrigerator.



No hole making
Never make hole on the refrigerator. Never install other matter on the refrigerator.

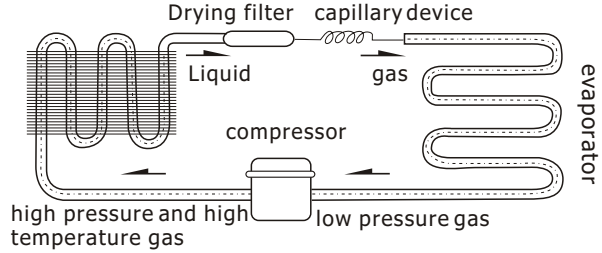


Stable location
To avoid the unexpected noise and vibration, Unpacking and locate the refrigerator on a flat and solid place.

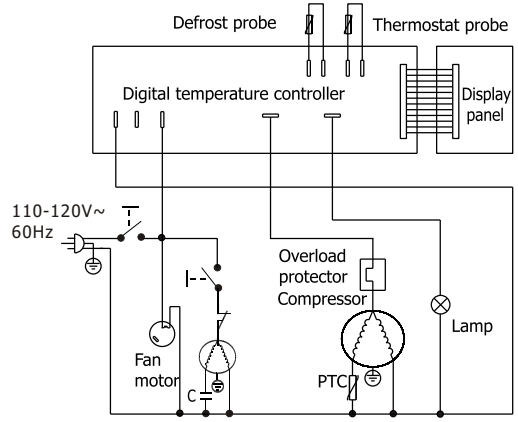


Principle of refrigeration system

The principle of compression refrigeration consists of ? “Compression”, “condensation”, “throttling” and “vaporization”.The compression is undertaken by compressor, the condensation is completed by condenser, the throttling is executed by capillary and the vaporization is implemented by evaporator. When the coolant is circulating in the closed refrigeration system, the compressor sucks coolant, which has absorbs heat in evaporator, the coolant becomes a high pressure and high temperature gas. In condenser, it dissipates heat in air, while the coolant is re-liquefied and throttled in capillary and then enters into evaporator with low pressure; the liquefied coolant quickly boils and vaporizes into gas when the pressure suddenly drops. Meanwhile, it absorbs heat inside the refrigerator. And he compressor sucks the low pressure and low temperature gaseous coolant..... It is circulating in this way up to realization of intended refrigeration.



Circuit Diagram



Trouble Shooting

Trouble	Cause and Remedy
No refrigeration	Is the plug in socket well? Is the fuse broken? Is there no power
Unsatisfactory	Is it under the sunshine? Is there any heat source nearby? Is the surrounding ventilation bad? Does the door seal strip deformed or damaged? Is food congested or too much? Does food block the air suction or outlet? Regulate the temperature controller.
Much noise	The refrigerator does not level. The refrigerator contacts wall or other matter. There Is loose part in refrigerator.
Contact local service agent for help if simple trouble shooting does not solve the problems	

Note:

Following phenomena are not trouble:

The murmur of water is heard when the refrigerator is working.It is a normal phenomenon as the coolant is circulating in the system.

In wet season,condensation might be found on the outside of the refrigerator.It is not a trouble,which is caused by high humidity.Simply use cloth to wipe it.

Preparation and power supply

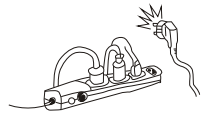
Exclusive power socket

Normally,the power supply should be 110-120V,60Hz single phase AC with exclusive single phase three pin receptacle.



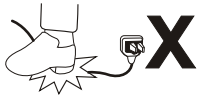
No share on socket

Never let the refrigerator share the common socket with other appliance,other wise the cable becomes hot and fire might be resulted



Protect cables

Never break or damage the cables otherwise current leakage and fire might be resulted.



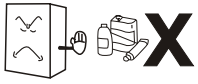
No water flushing

Never give the refrigerator surface a flush otherwise current leakage might be resulted



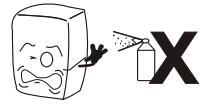
Prevent from flammables and explosive

Never put any flammable or explosive inside the refrigerator such as ether, gasoline,alcohol,adhesive and explosive.Never put dangerous product nearby the refrigerator.



No spray

To spray the flammables such as paint or coating nearby the refrigerator is not allowed,otherwise fire might be resulted.



After power break

After power break or unplugging the refrigerator,always waits at least 5 minutes and then you may plug the refrigerator and start it again.



No medicine

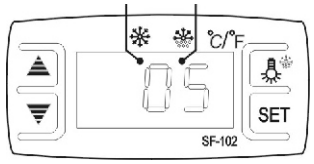
No medicine is allowed to keep inside the refrigerator.



Use and Caution

1.Before use
Plug the refrigerator on required socket. After the refrigerator running, put hand on the air suction to confirm it is sufficient cold. Then you may put food inside the cold box.
2.Digital temperature controller

Refrigerant LED Defrost LED



Featuers Of Function
- It is a mini-sized and integrated intelligent controller and applicable to the compressor of one Hp.
- The main functions are:Temperature Display/Temperature control/Manual, automatic defrost by burning off/Illumination Control/Value Storing/self Testing/parameter Locking.

Front Panel Operation
1. Set temperature
Press SET button,the set temperature is displayed.
Press ▲ or ▼ button to modify and store the displayed value,
Press SET button to exit the adjustment and display the cold-room temperature.
2. If no more button is pressed within 10 seconds,the cold-room temperature will be displayed.
3. Illumination:Press button,it lights;Press again,it stops.
Manual start/stop defrost:Press button and hold for 6 seconds to defrost or stop defrost.
4. Refrigerant LED:During refrigeration,the LED is on;When the cold room temp. is constant,the LED is off;During the delay start,the LED flashes.
5. Defrost LED:during defrosting,the LED is on;When is stops defrosting,the LED is off,During the delay display of defrost, the LED flashes.
6. Digital controller reset
When display shows "Disorder", press " ▼ " button for 2s until buzzer rings, quickly press " ▲ " button for 6s until buzzer rings again, the display will flash for 3s and it restores factory setting.

3. Caution
Shorten the door open time and reduce open frequency is good to keep a cold temperature inside the refrigerator.
Never block the air suction and outlet. Keep air circulation and refrigeration capability.
Do not make food congested as it will influence the cooling effect. Adjust the rack height for proper food storage.
Cool the hot food down to room temperature before you put it into the refrigerator.
Try to reduce the open tims and keep refrigeraor inside cold in case the power is cut off.
Never touch compressor to avoid from scald.
If the supply cord is damaged,it must be replaced by the manufacturer,its service agent or similarly qualified persons in order to avoid a hazard.
This appliance is not intended for use by persons(including children)with reduced physical,sensory or mental capabilities,or lack of experience and knowledge,unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
Children should be supervised to ensure that they do not play with the appliance.
The operation manual are not suitable for the persons(including children) with reduced physical sensory or mental capabilities,or lack of experience and knowledge.
Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
During normal operation, the emission noise level does not exceed 70dB(A).
The maximum loading of the Shelf does not exceed 18kg.
The climatic class of the appliance is 4, the Units are suggested to be used at 16℃-32℃(60.8℉-89.6℉) ambient temperature.
To avoid damages or other problems, this product can not be put or stored with any corrosive food .

Maintenance

1. Notice:
Often keep the refrigerator clean and periodical maintenance is necessary.
Always unplug the socket before maintenance.
Never use damaged plug or loose socket to prevent from electric shock or short circuit.
Never flush the refrigerator.Never use alkali detergent,soap,gasoline,acetone or brush.
2. Clean outside:
Dip soft cloth in neutral detergent(table ware detergent) to clean the outside of the refrigerator and then wipe it dry soft cloth.
3. Clean inside:
Take rack out for cleaning with water.
4. Shut down refrigerator for a long time:
Take all food out and unplug the wall socket.
Clean both inside and outside of the refrigerator thoroughly and open the door for sufficient dry.
The glass breaks easily. Keep the glass far from children.