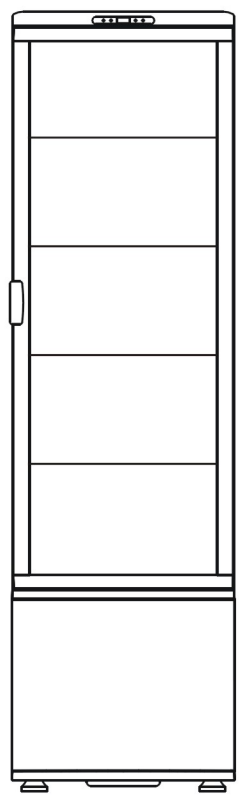
HEAVY DUTY SYSTEMS

Refrigerator

OPERATION INSTRUCTIONS



HDSRFM-20

110V/60Hz

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

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8. Major Parameters

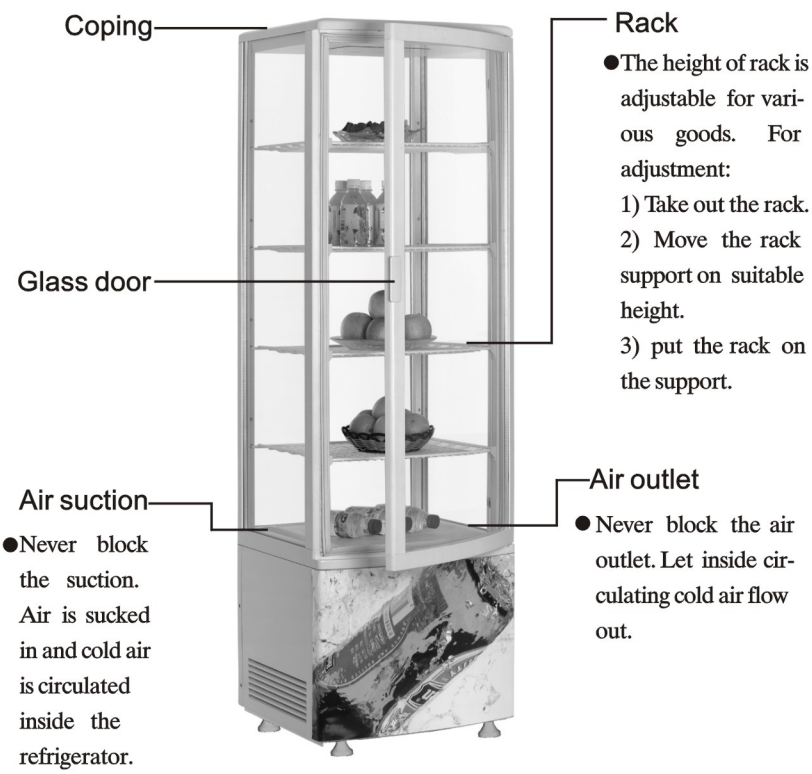
General

1. Top brand fully enclosed compressor is used on the refrigerator.The refrigerant R290 is of an environmentally friendly agent. It features a rational configuration of refrigeration system with blower forced air cooling.The temperature is quite even inside the refrigerator.

2. Double hollow transparent glasses are used on door and body. It features an artistic and elegant appearance, perfect perspective and easy access.

3. It has a wide application in department store and house as well as the meeting room and sitting room.

Structure and Parts



Handle and Erection

Handle with care

Unplug the wall socket first.

Never tilt it over 45 degree during handling.



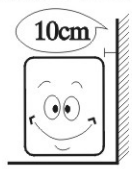
Dry place

Always locate the refrigerator at a dry place.



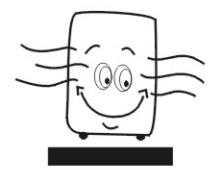
Sufficient space

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



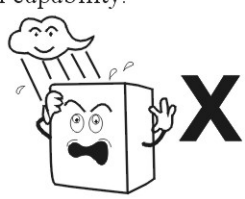
Well ventilation

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



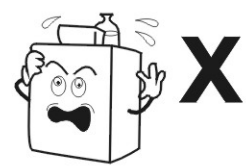
Far from heat source

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



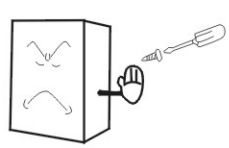
No heavy load

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

Unpacking and locate the refrigerator on a flat and solid place.



Preparation and Power Supply

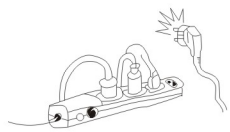
Exclusive power socket

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



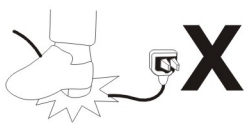
No share on socket

Never let the refrigerator share the common socket with other appliance, otherwise 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.



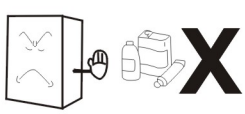
No water flushing

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



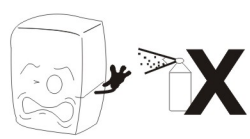
Prevent from flammables and explosive

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 wait 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.



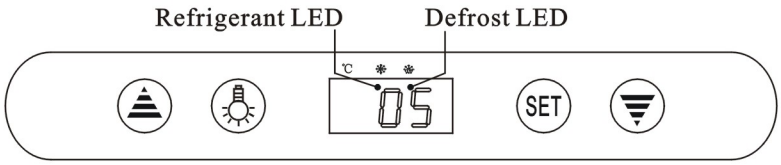
Use and Caution

1. Before use:

Plug the refrigerator on 110-120V~ exclusive 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:



Features 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. Cautions:

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 times and keep refrigerator inside cold in case the power is cut off.

Only skilled service man is allowed to repair the damaged power cable with special tools.

Never touch compressor to avoid from scald.

Use and Caution

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.

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 with 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.

Clean the condensate tray and wipe it dry.

Trouble Shooting

Trouble	**Cause and Remedy**
No refrigeration	Is the plug in socket well? Is the fuse broken? Is there no power?
Unsatisfactory refrigeration	Is it under the sunshine?Is there any heat source nearby? Is the surrounding ventilation bad? Does the door close well?Does door open for a long time? Is 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

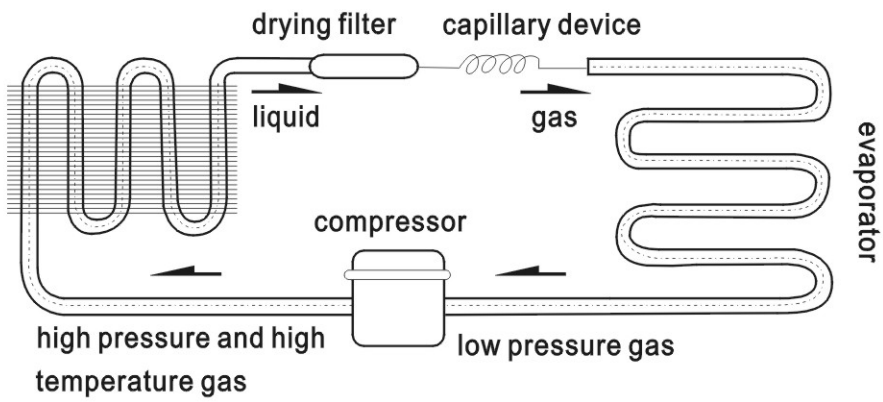
Following phenomena are not troubles:

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

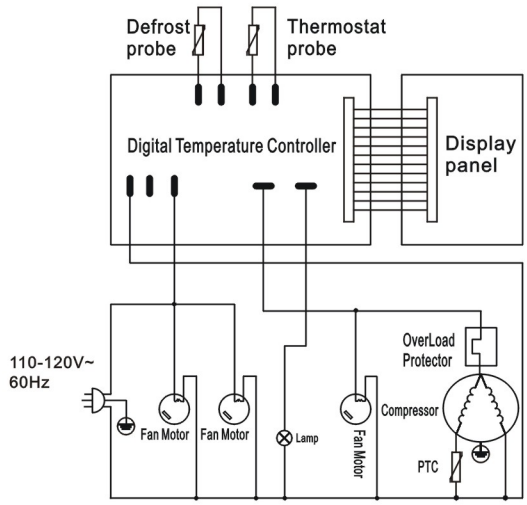
In wet season, condensation might be found on the outside of the refrigerator. It is not a trouble, which is caused by high humidity. Simply use cloth to wipe it.

Principle of Refriger ationSystem

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 reliquefied 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 the compressor sucks the low pressure and low temperature gaseous coolant,……It is circulating in this way up to realization of intended refrigeration.



Circuit Diagram



Major Parameters

Parameter \ Model	HDSRFM-20
Coolant and injection quantity(g)	R290(90)
General Rated input power(W)	380
Type of climate	4
Refrigeration temperature(°C)(℉)	0-12 (32-53.6)
Electric shock protection class	I
Rated current(A)	3.5
Lamp power(W)	11(T4);1.44/PC(LED);4(LED)
Total effective volume(L)	270
Net weight(kg)	89
Rated voltage(V)	110-120~
Rated Frequency(Hz)	60
Overall dimension (mm) (LxWxH)	515x485x1895

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.
3. 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.



WARNING : Refrigerant is facility burning of R600a/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.