### HRF-599FR/A HRF-599FR/ASS Household Electrical Refrigerator







### Serial Number:0060504297

- \* Please read this operation manual carefully before using the appliance.
- \* Keep this manual in a safe place.
- \* Appearance, color and layout of the door may vary.

### Table of Contents

### Before use

Primary featuresInside fr	ont cover
Diagram	1
Safety precautions	2~4
Location	5
Preparation	6
Operation	7
Functions	8~11
Beverage dispenser	12~13
Accessories	14

### Instructions for refrigerator storage

Storage compartment15	
Precautions16	
Suggestions17	

### Instructions for freezer storage

Storage compartment18	
Precautions19	

### Defrosting, cleaning and cessation

Defrosting	20
Cleaning	20
Cessation	21~22

### Troubleshooting and after-sales service

Troubleshooting2	3~2	4
After-sales service2	5~2	6

# **Primary features**

- 1. LCD display with green backlight
- 2. Intelligent operation for 3 temperature option under 4 controllers Automatic temperature control under varied ambient temperature conditions for an optimized cooling achievement
- Beverage dispenser
   Installed with an energy efficient beverage dispenser
- 4. Super freezing function

The latest science and technology research achievements on cell preservation are used for food storage to protect food nutritive value and edibility.

5. Anti-spill cantilever food shelve

The food shelves can be adjusted for accommodation of food in different sizes, and spillage from food is prevented from flowing down to the shelf beneath.

6. Snack container

The compact container is designed for storage of refreshment and snacks.

7. Large bottle holder

This holder is designed for large bottle soft drinks or edible oils.

8. Crisper with adjustable moisture

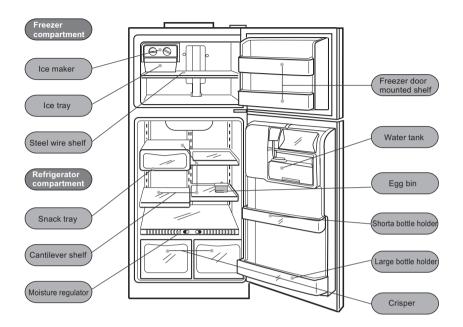
Moisture in the crisper can be adjustment for satisfaction of vegetables and fruits in storage.

9. Automatic defrosting

This appliance features air cooling system for automatic defrosting.

- 10. Automatic error detection and over-temperature warning.
- 11. Dismountable door gasket
- 12. Freon-free refrigerant application for environmental protection

# **Diagram**



Our dear Haier customers,

Thank you for your choice of using Haier products.

Haier products have excellent quality, and good performance. But in order to facilitate your usage, be sure to read carefully the manual, and operate it as described by the manual.

Haier's "international star grade service" shall always be accompanying you, and contact us with the telephone and address of the guarantee certificate whenever you meet any problem during usage, we are constantly ready to offer service to you. Thank you again for your selection of our Haier products.

Haier-sincere forever.

Due to product modification, your purchased Haier refrigerator may not be identical with the one shown in the manual. We hereby express our apologies to you for this possible difference.

# **Safety precautions**

# This refrigerator requires a 220-240V/50Hz supply.

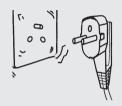
Failure in operation and damage to the control panel, thermostat or the compressor will occur if voltage is outside the range 187-242V unless a regulator with a capacity of over 750W or higher is installed.





#### A separate earthed socket is required.

The refrigerator is supplied with a standard three-pin plug, of which the one for grounding should never be removed. Plug of installed refrigerator shall be always accessible.





### Care for external cable

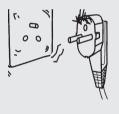
- \* Hold the plug and not the electric cable when unplugging the refrigerator.
- \* Ensure that the electric cable is not trapped by the refrigerator. Do not step on the cable.
- \* Avoid damage to the electric cable when moving the refrigerator.





### Damaged electric cable

When the electrical cable is damaged or worn, turn off the refrigerator and consult to an authorized service agent for replacement.





# Inflammable gas leakage in the vicinity of the refrigerator

- \* Turn off any leaking valve;
- \* Open the doors and windows;
- \* Do not, under any circumstances, unplug electrical appliances in the vicinity of the leak.





### Unplug the refrigerator for the following:

- \* Cleaning or maintenance;
- \* Replacement of lamp.





# **Safety precautions**

Never store inflammable, explosive or corrosive materials in the refrigerator.



Don't place electrical plugs, regulators or microwaves on top of the refrigerator. Don't use electric appliances (Except those allowed by manufacturer) inside the refrigerator.



Do not install the refrigerator near gasoline or other inflammable articles.



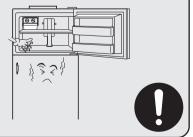
Don't place heavy or unstable articles or water containers on top of the refrigerator.



Do not play by hanging on its door, to prevent tilting the door or toppling the refrigerator to hurt person. The appliance is not intended for use by young children or infirm persons without supervision; Young children should be supervised to ensure that they do not play with the appliance.

Avoid prolonged contact with the food in the freezer compartment when the refrigerator is operational, especially with wet hands. Hands may freeze onto the surface of the frozen food.





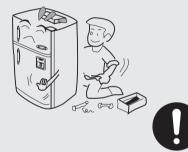
# **Safety precautions**

Care should be paid to avoid injury to fingers by closing refrigerator doors. Opening or close refrigerator doors only when no children stand within the range of door movement.

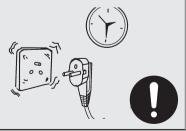


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Disassembly or renovation of refrigerator must be carried out by authorized professionals.



Unplug the refrigerator in the event of a power failure or during cleaning. A minimum period of 5 minutes should elapse before reconnecting the refrigerator.



Never use an excessive quantity of water when cleaning the refrigerator, nor place the refrigerator in a damp area.

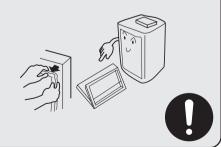


Never store bottled beer or beverages in the freezer compartment.



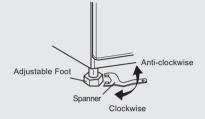


To prevent accidental entrapment by a discarded refrigerator, remove the refrigerator door and door gasket.



### Location

The refrigerator should be placed on a flat and solid surface. If the refrigerator is placed on a plinth, the flat, strong and fire-resistant material must be used. The refrigerator has casters and can be moved conveniently. One of front feet of the refrigerator can be adjusted clockwise or anti-clockwise to lift or lower the refrigerator if it is placed on an uneven surface.

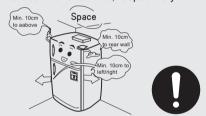




The refrigerator shall be placed away from heat sources or direct sunlight.



The refrigerator should be placed in a well-ventilated area, and a space of 10cm or more should be allowed around the refrigerator. If the refrigerator is used in a recessed area, always keep a space of at least 25cm and 5cm to above and to walls, respectively.



Never place the refrigerator near to a water source. Clean and dry any water splashes and stains with soft cloth.



Never place the refrigerator in an area with an ambient temperature below  $5^{\circ}$ C. Never operate the refrigerator in an open area.



# **Preparation**

Unpacking
Remove all packing materials.

Check attached accessories and materials.

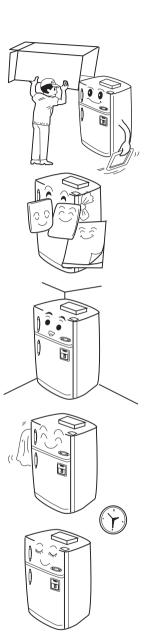
Checking should be conducted to the Packing List. Contact the local distributor if shortage is found.

Ensure that the refrigerator is properly located.

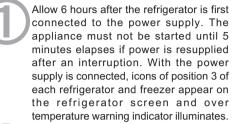
(Refer to section "Location")

Clean the refrigerator before using. (Refer to section "Cleaning")

Time required before power supply
Connect the refrigerator to power source
at least 6 hours after the refrigerator is sited
and cleaned.



# **Operation**





# (2)

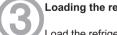
### Setting of operation mode

### Suggestion:

Regardless of irrespective fluctuations in ambient temperature, selection of the Intelligent Operation Mode will guarantee the most efficient and energy-saving operation of the refrigerator.

Either of the following operation modes can be selected.

- Intelligent operation mode: If there is no requirement for a specific operation setting, the intelligent mode is recommended. Press the Intelligent Operation Mode button, the intelligent operation mode indicator illuminates and the refrigerator is then operated automatically. (Refer to the information in section "Function").
- Manual Adjustment Mode: Press refrigerator (freezer) button to set temperature (Refer to the information in section "Functions"). In most cases, position 3 is selected.



#### Loading the refrigerator with food

Load the refrigerator with food when the refrigerator is cooled completely.

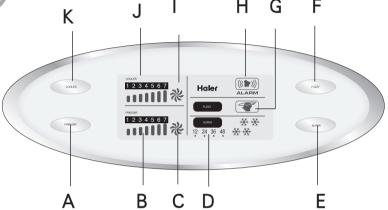




Caution: Some time will be required for the refrigerator to reach the set level when temperature adjustments are made. The length of this period is determined by difference in the existing and set temperatures, the ambient temperature, the frequency with which the door is opened and closed and the amount of food in storage.



### Control panel



- A. Freezer temperature adjustment
- B. Freezer temperature selection display
- C. Freezer mode display
- D. Super freeze mode display
- E. Super freezing button

- F. Intelligent operation mode setting
- G. Intelligent operation mode display
- H. Over temperature indicator
- I. Refrigerator mode display
- J. Refrigerator temperature selection display
- K. Refrigerator temperature adjustment button

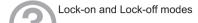


### **Intelligent Operation Mode**

The refrigerator can automatically adjust internal temperature according to variations of ambient temperature. Press button F to enter the intelligent operation mode with icon G appearing on the display panel. If intelligent operation mode is set, super freezing, not refrigerator and freezer temperature, can be set. If button F is pressed again, the intelligent operation mode can be inactivated and icon G disappears.



Caution: 3 minutes after any button is pressed, lightness of control panel becomes weaker and can be restored if any button is pressed.



If Intelligent Operation Mode button is pressed, functions for refrigerator and freezer temperature selection are inactivated until the Intelligent Operation Mode button is pressed again.



Temperature setting and adjusting

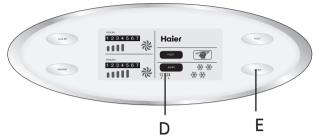


- \* Each freezer and refrigerator has 7 degrees for temperature setting. Position 3 is set automatically when the appliance is first connected to power supply.
- \* Refrigerator temperature setting and adjusting: After pressing button K, originally set temperature can be increased by one position until position 7 is reached. If button K is pressed again, a cycle will be started from position I.
- \* Freezer temperature setting and adjusting: After pressing button A, originally set temperature can be increased by one position until position 7 is reached. If button A is pressed again, a cycle will be started from position I.
- \* Implication of temperature positions: Position digits do not indicate the temperature values. The smaller the position digit is, the higher the temperature value is obtained, and vice versa. Following is reference information for temperature settings.

Position	Ambient Temperature
1~3	≥30°C
3~5	16~30°C
5~7	≤16°C



### Super freezing



Super freezing function is designed to preserve the nutritive value of food, as the food will freeze completely in the shortest period possible. Press button E to set the super freezing function and icon D appears. Every press of button E will result in an increase of temperature position until position 4 is reached. Super freezing mode can be ceased if initial position is set. Following is reference information for super freezing mode settings.

Added Food Mass	Position	Icon	Working Hour
Less than 1kg	/	/	1
1~2kg	1	12	12
2~4kg	2	24	24
4~6kg	3	36	36
Over 6kg	4	48	48



Caution: If super freezing mode is set, freezer temperature cannot be adjusted.



### Operational status flashing display

After the refrigerator is connected to power supply, icon I and icon C indicate the refrigerator and freezer modes, respectively. During cooling process, an icon of rotary fan will be displayed. When the set temperature of the refrigerator or freezer compartment is reached, the icon disappears.



### Over-temp warning

If temperature in freezer compartment exceeds the set value, the over-temp warning icon H illuminates. The indicator H will disappear when desired temperature in freezer is reached. When the refrigerator is first connected to power supply or defrosting mode is activated, the icon H is displayed.





### Power interruption memory

Operation mode of the refrigerator can be remembered if power supply is interrupted and recovered when power is resupplied. If power failure exceeds 2 hours, the operation mode has to be reset.



#### Automatic error detection

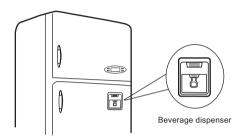
The refrigerator has four sensors for an optimized control. When any of the sensors does not work properly, position B of refrigerator and position J of freezer will display error mode.

- 1) If the problem occurs with sensor 1, position 1 of refrigerator blinks.
- 2) If the problem occurs with sensor 2, position 2 of refrigerator blinks.
- 3) If the problem occurs with sensor 3, position 1 of freezer blinks.
- 4) If the problem occurs with sensor 4, position 2 of freezer blinks.

The cooling system of the refrigerator shall operate even if any of the sensors does not work properly. Contact authorized after-sales sales for technical assistance.

# Beverage dispenser

The beverage dispenser is installed on the refrigerator door.

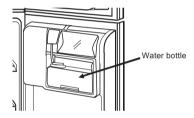


### Loading and operating

### 1. Loading

Remove the lid of the dispenser compartment, invert the bottle of water or other liquid and place in position and then refit the lid. (Temperature of the drinking water or beverage added into the dispenser compartment must not be higher than ambient temperature.)

When the water tank is refit or cleaned, remove the pipe on the lid of water tank and then the water tank. After filling or cleaning, refit the lid and insert the pipe into the water tank and finally place the tank in position.







# Beverage dispenser

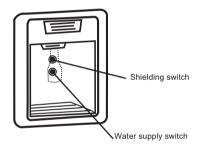
### 2. Drinking water

Place a cup under the faucet of the dispenser outside the door of refrigerator compartment. Beverage or water will be supplied if the faucet is pressed open and water supply will cease if the cup is removed from the faucet.

#### Caution:

- Behind the baffle there are two switches, of which, the lower is for water supply and the other one is for shielding. If the upper switch is pressed, water dispenser will be shield to prevent damages to the faucet. If the switch is pressed again, the shielding function will be inactivated.
- When power supply is connected, the shielding switch is inactivated.
- The first glass or two dispensed after fitting a new bottle should be discarded.







Caution

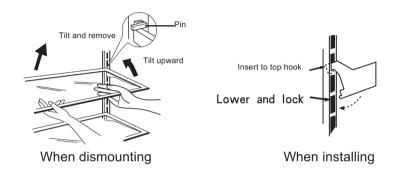
If there is no water flow, check to see if the water supply switch or the shielding switch is pressed correctly. Contact authorized after-sales service agent for technical assistance if necessary. Unauthorized disassembly or installation is prohibited.

### **Accessories**

### Adjustable cantilever shelves

Cantilever food shelves can be adjusted to accommodate food in different sizes.

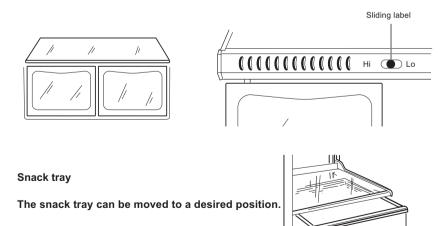
When adjusting height of food shelves, remove the shelf from inside the refrigerator. Remove the pin of the shelf, then tilt the shelf from far end of the shelf then pull to remove it. When installing cantilever shelf, place the shelf with the hooks on its top into the holes on the back of the refrigerator wall. Lower the shelf down and then lock it. Finally replace the pin.



#### Crisper with adjustable moisture

Dry the bottom of crisper before loading vegetables or fruits.

Moisture of the crisper can be adjusted as required. If vegetables are loaded in the crisper, set the moisture regulator of the crisper to position Hi for moisture preservation. It is recommended to set the regulator to position Lo for storage of fruits.



# Storage compartment

# The refrigerator is for short-term food storage or for daily consumption.

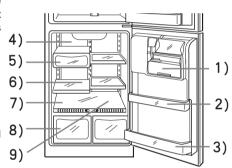
Although the temperature in most areas in the refrigeration compartment can be regulated between 0°C and 10°C, extended periods of food storage is not recommended. Refrigerator should only be used for short-term storage.



### Storageareas

As cold air circulates inside the refrigerator, temperature differences exist inside the storage compartments. Area 6 is the coldest. Different foods should be placed in different areas according to their properties.

- 1) Ice creams
- 2) Canned food and seasonings
- 3) Beverages and bottled food
- 4) Pickled food or canned pickled food
- 5) Meat products and snacks
- 6) Wheaten food, canned food, milk and beancurd
- 7) Cooked meat and sausages
- 8) Fruit, vegetables and salad
- 9) Eggs



#### Lamp and its replacement

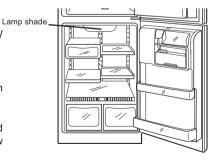
Lamp: 220-240V~, 25W

Lamp holder: E27 (lamps exceeding 25W

must not be used)

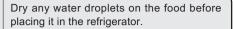
When replacing the lamp:

- \* Unplug to disconnect the power.
- \* Remove the food shelf on the top in refrigerator compartment.
- \* Remove the lamp shade.
- \* Turn the lamp anti-clockwise to remove and then clockwise for installation of a new lamp
- \* Complete the installation with reversed order.



### **Precautions**

Hot food must be cooled to room temperature before storing in the refrigerator.







It is recommended that food be sealed in suitable storage bags before placing it in the refrigerator.

This will prevent moisture in the food from evaporating and prevent vegetables and fruit from tainting in flavor



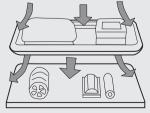
### Storage of Sorted Food

Food to be stored should be sorted according to consumer requirements. Food consumed daily should be placed in the most convenient area, this will minimize opening periods for the door.



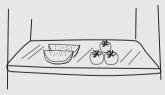
Do not store excess quantities or weights of food

Food should be stored with spaces in between for better storage results. Never overload shelves, as they may collapse under excessive loads.



Do not place food too close to the internal walls

Food with high moisture content should not be placed close to the walls of the inner liner. Maintain a space to prevent food from freezing onto the walls.

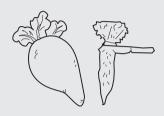


# **Suggestions**

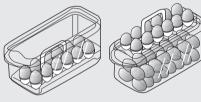
Storage period will be extended if vegetables are placed with their roots towards the cold source.



Leaves of carrots or turnips should be removed before storage.



Egg holder can be relocated whenever necessary in the refrigerator.

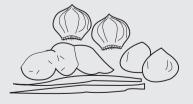


Egg bin Multi-layer egg bin

Frozen food can be placed in the cold compartment before serving, as this will conserve energy.



Onions, garlic, ginger, water chestnuts and other root vegetables should not be stored in the refrigerator, as these foods are suitable for long-term storage at normal temperatures.



Ripe squash, melon, pawpaw, bananas and pineapples should not be stored in the refrigerator. Freezing will accelerate the ripening process.



# **Freezer Compartment**

#### Long-term storage of food

As the freezer storage temperature is very low, fresh food can be stored in the freezer compartment for a long time. Food requiring long-term storage can be stored in the frozen food compartment. Attention should be paid to the storage information printed on the food packing.

### Super freezing

Select the super freezing function before putting fresh food in the frozen food compartment (Refer to the information in section "Functions"). The super freezing function is not required for food packages of less than 1kg or pre-frozen food.

#### Making ice cubes

- \* Pour water into the ice cube tray up to threequarters of the mould volume, and then place the tray in the freezer compartment. (Do not pour excessive water over the water level mark, or ice cubes are not easily removed)
- \* Tilt a bit the front side of ice cube tray when removing it from the refrigerator.
- \* Turn clockwise the knob on front side of ice maker and then the ice cubes will drop into the ice cube tray underneath.

### Adjustment of food shelf

Food shelf in the freezer compartment can be adjusted between two positions as follows:

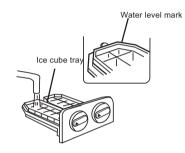
Step 1: Tilt the shelf by holding the left side (Figure A)

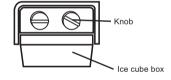
Step 2: Move the shelf to the left side until the inside edge in the slot and the right side is released from the support hole (Figure A)

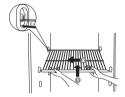
Step 3: Tilt the shelf by holding the right side ensuring that the left side is released from the support hole. (Figure B)

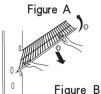
Step 4: Take out the food shelf (Figure B). When installing the shelf, place the shelf with the left side to the support hole, and then push slightly the shelf upward and inward with the right side into the support hole. Make sure that the shelf is level and make adjustment it if necessary.













Caution: Frozen food (ice cream) should be stored close to the back wall in the freezer compartment, as the temperature in vicinity with the door is likely change, resulting defrosting of the food.

### **Precautions**

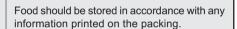
Hot food must be cooled to room temperature before storing in the refrigerator.

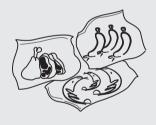


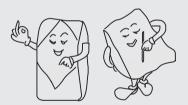
Food cut into small portions will freeze faster and be easier to defrost and cook. The recommended weight for each portion is less than 2.5kg.



The outside of any food packing should be dried before storage in the freezer, and any packing materials should be odor-free, airtight, non-poisonous and nontoxic.







Only remove the required amount of food from the refrigerator. Defrosted food cannot be re-stored in the freezer unless it is first cooked.



Do not load excessive quantity of food. Quantity of the food in storage shall comply with the cooling capacity of the refrigerator (Refer to section "Technical Information").



# **Defrosting and cleaning**

#### Defrosting

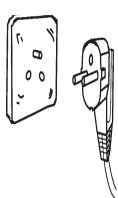
Defrosting is performed automatically.

Defrosted water will flow into a water tray over the compressor where the defrosted water will evaporate in the heat and circulating air.

### Cleaning

The refrigerator should be cleaned regularly to prevent the formation of bad odors.

- \* Disconnect the power before cleaning the refrigerator.
- \* Dry water drop on the surface of the refrigerator with a soft cloth or sponge with mild detergent.





Caution: Do not use a hard brush, steel brush, detergent, gasoline or other solvents, hot water, acid or alkali for cleaning.

\* Clean the water droplets on the surface of the refrigerator with dry cloth.





Caution: Do not use excessive amounts of water for cleaning the refrigerator. Use a dry cloth to clean the switch and the lamp.

\* Always keep the door gasket clean



### Cessation

#### Power interruption

Even in summer, food can be stored in the refrigerator for a few hours after a power failure.

- \* Don't put additional food into the refrigerator during a power failure and try to open the door as less frequently as possible.
- \* If prior notice of a power failure is given, make some ice and put it in a container in the top of the refrigeration compartment.





Caution: Temperature in the refrigerator will rise as for a power failure or technical problem, and the storage period will be reduced.

### **Ceased operation**

If the power failure lasts for an extended period, unplug the refrigerator and clean the refrigerator as previously described.

Keep the door of refrigerator open when the power is turned off to prevent any food remaining in the compartment from producing bad odors.





Caution: It is recommended that the refrigerator be not turned off unless it is necessary.



Caution: The refrigerator should never be restarted until a period of at least 5 minutes has elapsed.

### Cessation

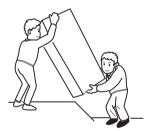
### **During Vacations**

- \* Remove the food from refrigerator if the vacation is short. Turn the temperature selection knob to the proper position, and make sure that the door of the refrigerator is properly closed.
- \* If the vacation is long, take out the food from the refrigerator and disconnect the power. Wait until the frost inside melts, clean and dry the compartment. Leave the door open to prevent formation of bad odor.



### Moving the refrigerator

- \* Unplug the refrigerator.
- \* Remove all the food.
- \* Secure the shelves in the cold storage compartment, vegetable and fruit tray and drawers in the freezer with tape.
- \* Tightly close and tape the door of the refrigerator
- \* Do not tilt the refrigerator more than 45 degrees







Caution: Never place the refrigerator horizontally.

# **Troubleshooting**

Temperature of the refrigerator and the compressor will rise and the compressor will run for comparatively longer periods when the refrigerator is first started.



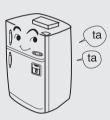
A slight sound may be heard when the appliance is first started due to the operation of the compressor and motor. The sound will be lower and lower gradually a short period later.



When the refrigerator is first operated, the case may become warm. This is designed to prevent condensates.



The compressor may produce a slight sound during operation, or when it is started or stopped.



Liquid refrigerant flowing in the evaporator may produce a slight sound similar to that of flowing water. When the refrigerator is stopped, the backflow refrigerant may also generate that sound.



During defrosting process, a slight sound may be generated. This sound is resulted by defrosted water dropping to the heater and by the evaporator.



# **Troubleshooting**

The compressor will operate for comparatively longer periods if excessive quantity of food is stored or the ambient temperature is high.



The fan of an operating refrigerator may produce a slight sound.



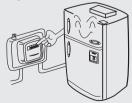
The refrigerator has the deferred start function. When compressor stops operation, at lease 5 minutes will be required for restarting the compressor. This will prevent compressor from being damaged by continuous starts.



Water droplets may occur on outer surfaces and middle connection of the refrigerator due to heavy moisture in room air. Wipe clean with soft cloth.



Energy efficiency specified in the technical parameters complies with government standards and is measured under the following conditions: Ambient temperature 25°C, refrigerator compartment temperature 5°C, freezer compartment temperature -18°C and 24h continuous operation with doors closed. Actual power consumption may exceed this value if more food in storage, ambient temperature higher and the door more frequently opened.



### **After-sales service**

I the event that the refrigerator does not work properly, check and solve the problem according to the following instructions. If the problem persists, contact the after-sales service center.



Please determine the cause of the problem before making any repairs.

# Operation failure of the refrigerator



Disconnection to the power supply (plug, socket or fuse); Switch is off.



Voltage is low.



Automatic defrosting is activated. (Compressor ceases operation for 30 minutes)

### Lamp does not illuminate.



The bulb is bad:



Power supply is not connected.

#### Excessive noise



Uneven placement.



Contact between the refrigerator and a wall or other article.

### Set temperature not reached.



Thermostat is not properly set, or excessive food is stored.



Door is not properly closed, or the door is opened for long period;



Refrigerator is in direct sunlight, or close to a heat source.



Poor ventilation, or two sides refrigerator covered by much dust.

### After-sales service

Please determine the cause of the problem before making any repairs.

# Prolonged operation period of the compressor

- \* Initial operation
- \* Large quantity of food loaded
- \* Door not properly closed
- \* Frequent opening of the refrigerator
- \* Hot weather
- \* Low temperature value is set. (Refer to section "Operation")
- \* Condenser requiring cleaning



### Thick frost on refrigerator back wall

- \* Frozen food in package.
- \* Door not properly closed.
- \* Frequent or prolonged opening of door
- \* Food placed too close to thermostat

### Strange odor may be caused by,

- \* Failure to seal food properly
- \* Rotting food inside refrigerator
- \* Failure of regular cleaning of the refrigerator



Note:Layout of the refrigerator that you have just purchased may vary due to technical improvement and renovation.

WARNING:Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.

WARNING:Do not use electrical appliances inside the food storage compartments of the appliance,unless they are of the type recommended by the manufacturer.

