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# Product Introduction

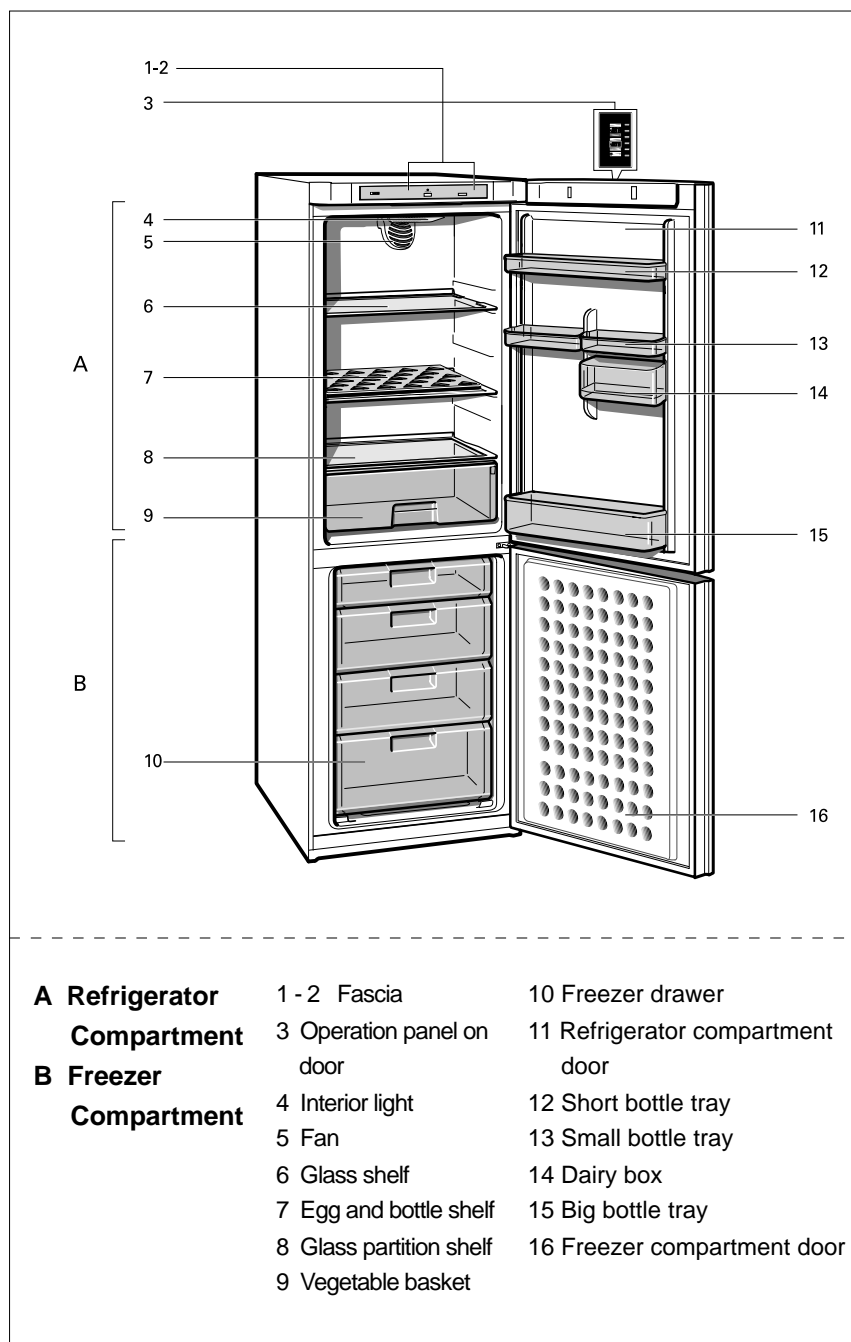
## Features of Product

- **Range of Luxurious Wide Doors with European Optimized Man-machine Design**  
It has no handle on the door and can be opened by pushing against any part of it.
- **Highly Effective Energy Saving**  
High efficiency compressor and two-circulation cooling system are used for higher refrigerating efficiency and energy-saving improvement.
- **Two-temperature Control System**  
The temperature in the refrigerator compartment and the freezer compartment is controlled by a computer system.
- **Intelligent & Precise Temperature Control for Longer Freshness**  
The temperature of the refrigerator and freezer compartments can be set, controlled, and displayed by the microcomputer system, so that temperatures can be controlled more precisely and food can be kept fresh for a longer period of time.
- **Intelligent Super-cooling**  
With the unique intelligent super-cooling function of SIEMENS, the temperature of the refrigerator compartment can be rapidly lowered to 2°C, giving improved effects of keeping food fresh and chilling drinks.
- **LCD Temperature Display**  
LCD display shows the temperatures and function status of the refrigerator and freezer compartments respectively. The external appearance is distinct and easy to read and thus the operation is very convenient.
- **Intelligent Super-freezing**  
With the unique intelligent super-freezing function of SIEMENS, food can be frozen to a temperature below -18 within the shortest time, keeping food fresh more scientifically.
- **Wide Climate Zone Design**  
The product is designed for a wide range of climate zones, from sub-temperate to subtropical.
- **R600a Refrigerant, Pioneer in Environmental Protection**  
Both the refrigerant R600a and foaming agent are hydrocarbons, and will not damage the Ozone Layer or contribute to the greenhouse effect.
- **Safe and Reliable Glass**  
Safety glass shelves are made from safe, beautiful, and durable toughened glass.
- **Removable Door Seal Easy for Cleaning**  
The special removable door seal is durable with a strong adhesion, and can be cleaned easily.
- **Left-right Door Opening Feature**  
The door can be opened from either direction for more convenient placement of the refrigerator.
- **Over-time and Over-temperature Alarm System**  
When the interior temperature is higher than the set temperature, the computer system will set off an automatic alarm to alert the user.  
The alert system of computer will also remind users to close the door when it has been continuously open for a long time.

# Product Introduction

## Name of Part

All the illustrations in this manual are schematic. Some characterizations and apparatuses may be not consistent with your refrigerator type, and the specific structure and configuration are subject to the specific product.



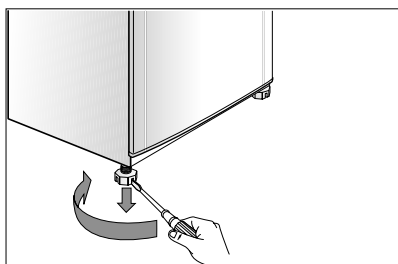
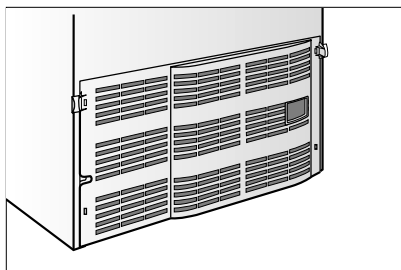
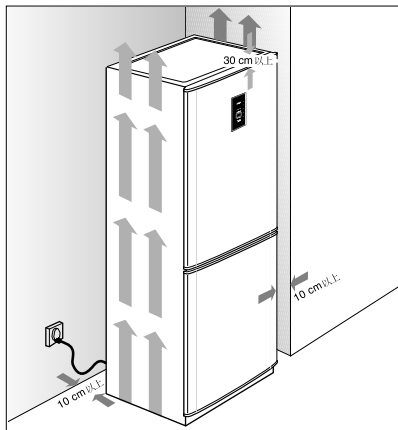
# Product Introduction

## Safety Information

- A separate three-pin power supply socket with a grounding wire must be used.
  - The power cord must not be squeezed, folded, knotted or damaged. If the power cord has been damaged during transportation or installation, please contact the local customer service center immediately to have the cord replaced. There is the risk of possible electrical shock or fire if a damaged cord is plugged into a power source.
  - The power supply plug must be removed from the socket during refrigerator maintenance or cleaning.
  - To avoid breaking the cord, never pull the cord when removing the plug from the wall.
  - Never put inflammable or explosive materials, such as alcohol or gasoline in the refrigerator.
  - Never put glass bottles or cans containing liquid in the freezer compartment, since they may crack or break after thorough freezing.
  - Do not touch frozen food or metal containers in the freezer compartment with wet hands, as fingers may be injured due to the low temperature.
- ⚠ **Warning**--The refrigeration tubing must not be damaged. The refrigerant in the tubing can cause serious injury if contacting the eyes. In case of emergency, immediately wash the eyes and go to a hospital for treatment.
- ⚠ **Warning**--Except for those recommended by our company, mechanical tools or others must not be used to speed defrosting.
- ⚠ **Warning**--Except for the categories recommended by our company, electrical appliances must not be used in the compartments. Do not place electrical appliances such as microwave ovens, electrical cookers or stabilizers on the top of the refrigerator.
- ⚠ **Warning**--Good, unobstructed ventilation must be maintained within the housing and the nested structure of the refrigerator.

# Product Introduction

## Transportation and Placemen



### ■ Transportation

- ⚠ The refrigerator should not be moved by holding it by the door or door handle. It should be lifted from the bottom.
- ⚠ The refrigerator should not be laid on its side or turned upside down.

### ■ Placement

- ⚠ The refrigerator should be placed in dry and well ventilated room, with a side and back clearance of at least 10 cm, and a 30cm clearance on top.

- ⚠ The ventilation grid on the compressor cover at the back of the refrigerator must not be covered or blocked. Avoid placing the refrigerator close to a heat source or subjecting it to direct sunlight.

### ■ Foot Adjustment

- When placing the refrigerator, please ensure that the two front plastic foot screws can be adjusted to a proper height.
- Place the refrigerator in a stable and level position. Adjust the two foot screws with a flat screwdriver or spanner on the side in the direction shown by the arrow, so that the refrigerator can be kept in an upright and stable condition. To avoid vibration and noise, be sure the plastic foot screws are securely on the ground.

### ■ Altering the Door Opening Directions

In case the door-open direction needs to be changed for room arrangement or other reasons, please contact the local service center, and door-to-door service will be provided.

# Product Introduction

## Electrical Connections

- The rated voltage of the refrigerator is 220V, the rated frequency 50Hz, and the permissible voltage fluctuation range is 180~242V.
- To ensure safe operation, the socket and its connection wires must be able to withstand a current over 10A.

## Product Standards

This series of refrigerators based on the following national standards:

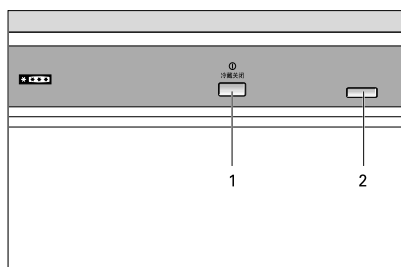
- **GB/T8059.2-1995**  
Household refrigerating appliances -- Refrigerator-freezer
- **GB4706.1-1998**  
Safety of household and similar electrical appliances Part 1: General requirements
- **GB4706.13-2004**  
Safety of household and similar electrical appliances - Particular requirements for refrigerators, food-freezers and ice-makers
- **GB12021.2-2003**  
The maximum allowable values of the energy consumption and energy efficiency grade for household refrigerators

# Operation

## Preparation for Using

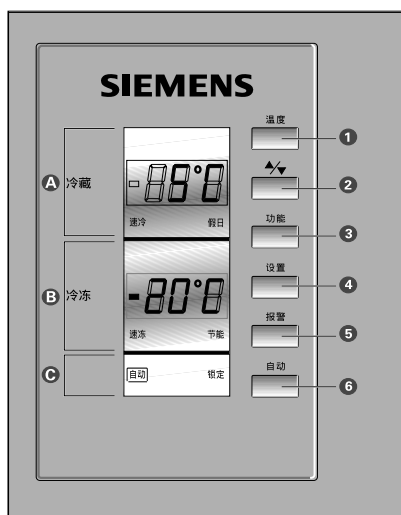
- Remove all packing components, including the bottom foam pad underneath the refrigerator, and pads and adhesive tapes inside the refrigerator securing accessories.
- Check and count all accessories and documents against the packing list.
- Place the refrigerator at a proper location and follow the instructions in "Transportation and Placement".
- Clean the refrigerator compartment, and freezer compartment, as well as the outside of the appliance, according to the related instructions on Page 17.
- Wait more than 30 minutes before connecting to the wall socket.

## Fascia and Operation Panel on Door



### Fascia

- **Cooling off 1**  
Press the button to start or stop the refrigerator compartment. "□" indicates ON, and "□" indicates OFF.
- **ON/OFF button of the interior light 2**  
Switch of the interior light in the refrigerator compartment.



### Operation Panel on Door

The operation panel on the door is a LCD display. All functions and temperatures are selected and adjusted using buttons on the right side of the display. You can adjust temperature with buttons 1 and 2, and select functions with buttons 3 and 4. The name and function of each button are shown as follows:

- A** Temperature and function status display screen of the refrigerator compartment
- B** Temperature and function status display screen of the freezer compartment
- C** Automation and lock function status display screen
- 1** Temperature selecting button

Press the "temperature" button to switch between refrigerator compartment temperature and the freezer compartment temperature. When a given compartment is activated, a rectangular frame will appear around the temperature display, which means the temperature in this compartment is in an adjustable status, such as the temperature in the refrigerator compartment in the figure to the left.

## Operation

### ② Temperature adjusting button ▲/▼

Press the button to adjust the temperature to a desired value, when the temperature display of a given compartment is activated.

### ③ Function selecting button

Press the button to select a desired function. When the button is pressed, the “速冷”(super cooling) function starts. When the button is pressed continuously, functions such as “假日”(holiday), “速冻”(super freezing) and “节能”(energy saving) etc are selected sequentially. Finally, it returns to the “速冷”(super cooling) function. The selected function will be surrounded by a frame. such as: 速冷 (super cooling).

### ④ Set button

- When a given function is selected by button 3, it must be acknowledged by pressing button 4; otherwise, it is invalid. An acknowledged function will be underlined. Such as, 速冷 (super cooling), then 速冷(super cooling) will be displayed after acknowledgement.
- If the button is not pressed after a given function is selected by button 3, the former setting remains valid.
- If you want to cancel the “function” you have set, refer to the procedure above. For example, to cancel the super cooling function, select “速冷”(super cooling) by pressing button 3, and press button 4 to acknowledge, and then the underline beneath “速冷”(super cooling) will disappear, which indicates exit from the super cooling function.

### ⑤ Alarm button

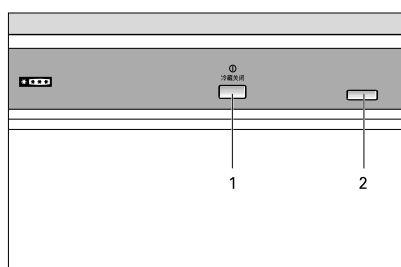
The “alarm” button is used to release or shut off the warning signal.

### ⑥ Auto button

The “auto” button is used to select or cancel the automation function.

## Switching on and Temperature Adjustment

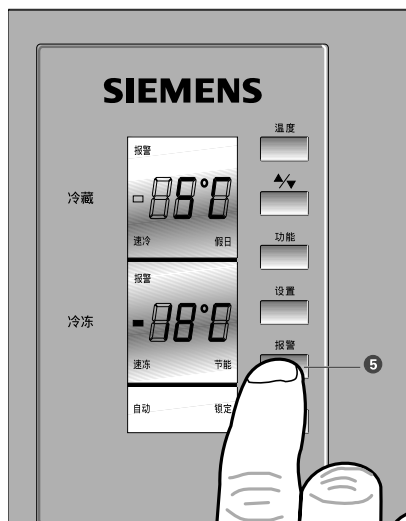
### Switching on



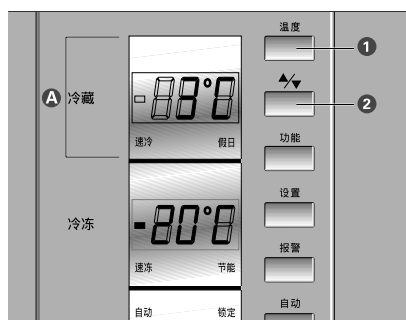
- Insert the power cord and switch on the power supply.
- If there is no display in the refrigerator compartment, please check whether the “cooling off” button on the operation panel within the appliance is in an ON status. If not, please press the “cooling off” button.



# Operation



- When switching on for the first time, the refrigerator compartment display and freezer compartment display show the corresponding set temperature value respectively (with the refrigerator compartment temperature being set upon leaving the factory at 5°C and the freezer compartment temperature at -18°C).
- When switching on for the first time, if the ambient temperature is higher than the alarm temperature of the freezer compartment or the refrigerator compartment, a character "alarm" will blink on the top left corner of the freezer or refrigerator compartment display, and the set value will blink on the freezer compartment display, and the buzzer will give an alarm. Press button 5 to shut the buzzer off. The freezer compartment display will stop blinking to show the highest temperature having been reached, and then be restored to the original setting status. The character "alarm" will stop blinking simultaneously, and then disappear automatically when the temperature in the appliance is lower than the alarm temperature.
- Both sides of the refrigerator will feel warm several minutes after switching on, indicating that the refrigerating system is running.



## Temperature Adjustment

### ■ Temperature Zone Selecting:

Press button 1 to select the temperature of the refrigerator compartment or the freezer compartment. The selected temperature is surrounded by a rectangular frame, which means the temperature is in an adjustable status, such as the temperature of the refrigerator compartment in the figure to the left.

### ■ Refrigerator Compartment Temperature

- Press button 1 to select the refrigerator compartment temperature.
- Press button 2 repeatedly to select the desired temperature for the refrigerator compartment. The set temperature will be decreased by 1°C for every press of the button. The temperature setting range is 2°C to 10°C.
- The final set temperature value will be acknowledged and memorized after button pressing stops. The set temperature will be indicated on the display **A**.

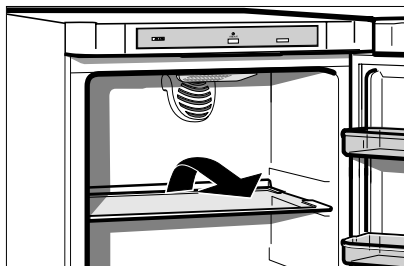


### ■ Freezer Compartment Temperature

- Press button 1 to select the freezer compartment temperature.
- Press button 2 repeatedly to select the desired temperature for the freezer compartment. The set temperature will be decreased by 1°C for every press of the button. The temperature setting range is -16°C to -26°C.
- The final set temperature value will be acknowledged and memorized after pressing of button 2 stops. The set temperature of the freezer compartment will be indicated on the display **B**.

## Operation

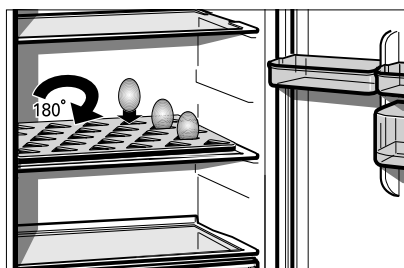
### Refrigerator Compartment



The refrigerator compartment is mainly used for short-term storage of food.

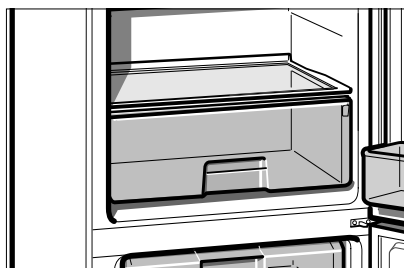
#### Glass Shelf of the Refrigerator Compartment

The position of this shelf is adjustable to facilitate storage of different types of food. It can be pulled out by lifting its back portion.



#### Egg and Bottle Shelf

The egg and bottle shelf can be used not only to place eggs, but also to stack other foods as well. Turn the shelf upside down and it can be used for placing bottled and canned food.



#### Vegetable Basket

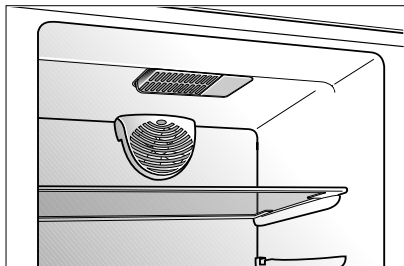
The vegetable basket is used to store fruit and vegetables.



#### Door Accessories

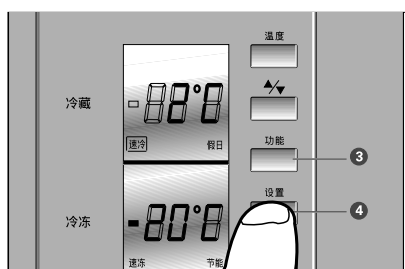
- For storing eggs, bottled drinks and other items. The Dairy box can be used not only to store food, such as cheese, which must be odor-separated, but also to place film or medicine or the like.
- The small bottle tray on door can be rearranged as required.
- The tray can be removed by lifting it up gently.

## Operation



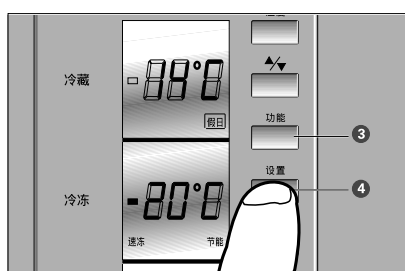
### Fan

A dynamic cooling fan is designed in the refrigerator compartment to force air circulation for quick cooling of food and to keep the temperature even throughout the compartment. The fan will stop running when the door is opened.



### Super Cooling Function

- It is recommended that the super cooling function be used if a large amount of food is to be cooled at one time. It can cool the food quickly and preserve freshness and nutrition much better.
- Press button 3 to select the “速冷”(super cooling) function, and then press button 4 to acknowledge. “速冷”(super cooling) will be indicated and the refrigerator compartment temperature will be 2°C, which means the super cooling mode is running. The refrigerating system will run for six hours at 2°C, and then be restored to the original setting status.
- If it is desired to exit from the super cooling mode in advance, see the procedures above. Press button 3 to select “super cooling”, and then press button 4 to acknowledge. The underline beneath “super cooling” will disappear, which indicates exit from the “super cooling” mode.

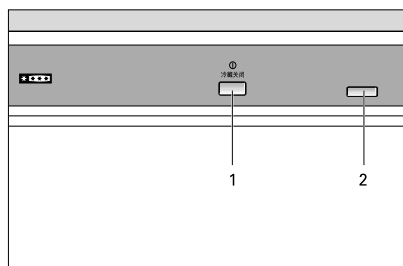


### Holiday Function

**This function can be used to save energy during holiday periods when the refrigerator compartment is empty.**

- Press button 3 to select the “假日”(holiday) function, and then press button 4 to acknowledge, and the refrigerator compartment will be 14°C and “假日”(holiday) will be indicated, which means the holiday mode is running, and the refrigerating system will keep running at 14°C to prevent smells occurring.
- To restart the refrigerator compartment, cancel the holiday mode in the same way, until the underline beneath “holiday” disappears. Then the temperature setting for the refrigerator compartment will automatically be restored to the set value before the “stop”.
- In the holiday function, the freezer compartment will still run normally. The refrigerator compartment door must be kept closed.

## Operation



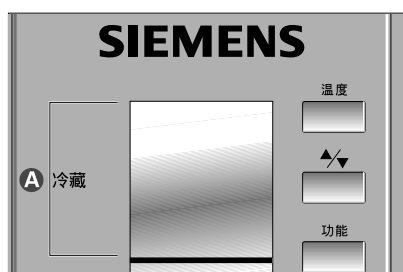
### Turning off the Refrigerator Compartment

When the refrigerator compartment is empty, the user can turn it off as required (such as when travelling).

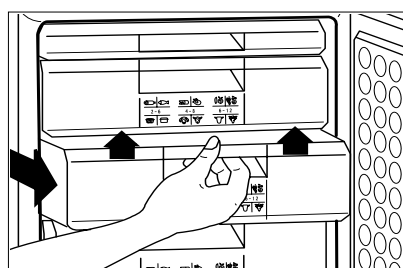
- Open the refrigerator compartment door, and press button 1 of the fascia. If nothing is shown on the door screen **A**, it means the refrigerator compartment is off (refrigerating is off).

**It is recommended that the door of the refrigerator compartment be left open a little after the refrigerator compartment is turned off.**

- To restart the refrigerator compartment, just press button 1 again. The temperature setting for the refrigerator compartment will be the same as it was before and it need not be set again.
- The freezer compartment will still run normally, after the refrigerator compartment is turned off.



## Freezer Compartment



The freezer compartment is mainly used for freezing food, storing frozen food and making ice cubes. It can store food safely for long periods of time.

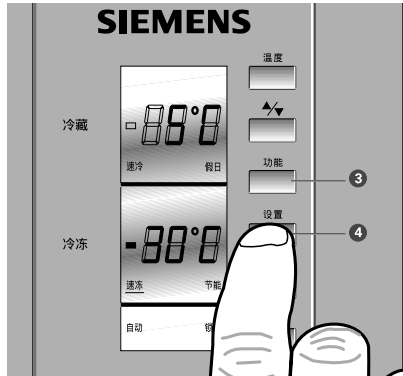
### Accessories and Placement of Food

- The freezer compartment is equipped with drawers, which can be removed by pulling it out and lifting it gently.
- The upper small drawer can freeze and store small sized food, such as dumplings. The middle drawer can freeze and store larger sized food.
- The lower drawer is mainly for storing already frozen food.
- The drawers are accessories provided for the convenience of users, but food can also be placed directly on the evaporator partition shelf after taking the drawers out.

### Maximum Freezing Capacity

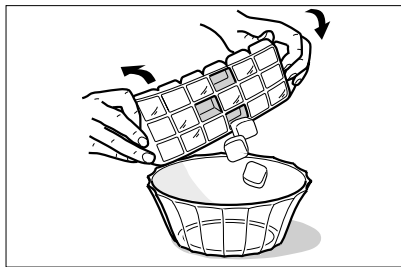
The freezing capacity indicated in the Technical Specification refers to the amount of food that can be frozen at one time under standard conditions within 24 hours (Kg/24h) after the super freezing function is started.

# Operation



## Super Freezing Function

- This product is provided with the super freezing function to enable fast freezing of fresh food. Press button 3 to select "super freezing", and then press button 4 to acknowledge. First "super freezing" and then later on "super freezing" will be indicated, with the freezer compartment temperature at  $-30^{\circ}\text{C}$ , so that the food is frozen quickly to the temperature required for retaining freshness.
- Suggestion: If a large amount of food is to be frozen at one time, the super freezing function should be started in advance to let the freezer compartment temperature fall to a low temperature value before putting the food into the freezer.
- The super freezing function will exit from the super freezing mode automatically in 54 hours. If it is desired to exit from the super freezing mode in advance, refer to the procedures above. When the underline beneath "super freezing" disappears, this indicates exit from the super freezing mode. The freezer compartment temperature will automatically be restored to the original set value.
- Do not put fresh food that is to be frozen directly on frozen food.
- Under the super freezing mode, the refrigerator compartment keeps its original set temperature.



## Making Ice Cubes

- In order to make ice cubes rapidly, you should adjust the freezer compartment temperature to the lowest set value, or start the super freezing function in advance.
- Pour cool boiled water into the ice-maker until each ice-maker compartment has been filled up, and then put it back onto the evaporator of the second shelf in the freezer compartment horizontally.

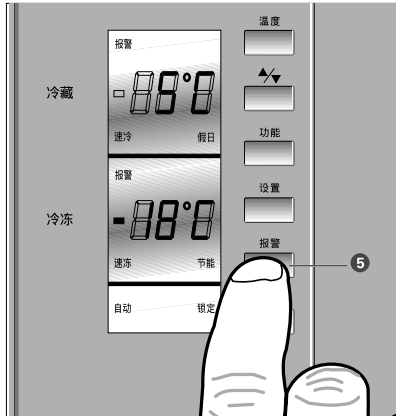
**Pour cool boiled water into the ice-maker in an amount just sufficient to fill up each ice-maker compartment; an excessive amount of water will make the ice surface form a whole, thus resulting in inconvenience when the ice cubes are to be taken out as well as prolonging the ice cube making process.**

**Ice making capacity is more than 2000 grams per 24 hours.**

**The ice making procedure generally lasts for 2 hours.**

- Twist the ice-maker slightly and the ice cubes will drop out.

## Operation



### Alarm

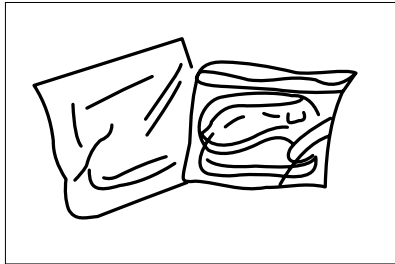
**Sound alarm and freezer temperature blinking displaying or a character "alarm" may occur, when :**

#### ■ Door Alarm

The buzzer will give an alarm when the door of the freezer compartment or the refrigerator compartment has been kept opened for a long time. The buzzer can be shut off when close the door.

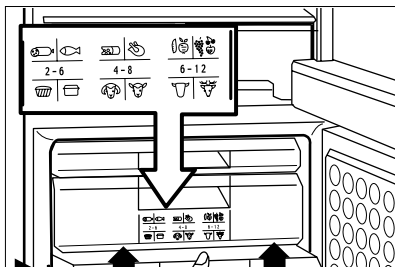
#### ■ Temperature Alarm

When switching on after long-time cut-off or a large amount of food is frozen at one time, the temperature in the appliance may be higher than the alarm temperature of the freezer compartment or the refrigerator compartment, then a character "alarm" will blink on the top left corner of the display, and the buzzer will give an alarm. Press button 5 to shut the buzzer off, and at the same time, the character "alarm" will stop blinking and then disappear automatically when the temperature in the appliance is lower than the alarm temperature.



### Packing Frozen Food

- Food is best packed before being frozen. This will help prevent food from going bad, or losing flavor as well as odor tainting.
- Place the food into a packing bag and squeeze it gently to remove air from the bag as much as possible, and then seal it tightly.
- It is best to label each package with the date of freezing.



### Storage Period of Frozen Food

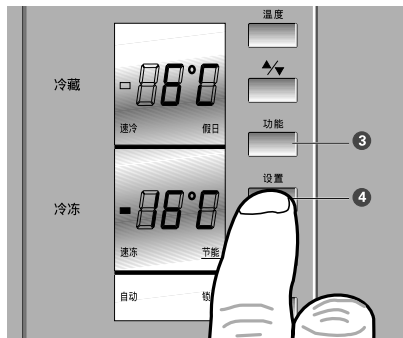
- On the front of the freezer drawer, there are printed icons of different types of food and respective possible frozen storage times (in months).
- For frozen food purchased from stores, the storage time should be shortened according to the production date and shelf life on the package.

### Methods for Thawing Frozen Food

- Thawing can be done at ambient temperature, in a refrigerator compartment, on an electric stove or in a microwave oven.
- To refreeze defrosted food or newly defrosted food, please take the following precautions:
  - The interval should not be too long.
  - Food is best boiled, fried, baked or cooked thoroughly before freezing.

# Operation

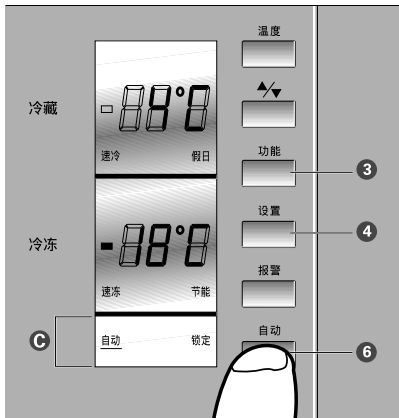
## Functions




- **Super Cooling Function** Refer to Page 11 – **Super Cooling Function**
- **Holiday Function** Refer to Page 11 – **Holiday Function**
- **Super Freezing Function** Refer to Page 13 – **Super Freezing Function**

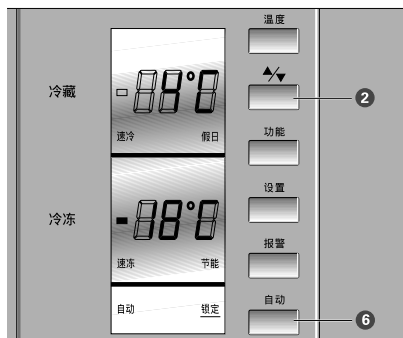
### ■ Energy-saving Function

- To reduce power consumption, the energy-saving function can be used.
- Press button 3 to select “energy saving”, and press button 4 to acknowledge, and then “energy saving” is underlined, which indicates entry into the energy-saving mode.
- After entering the energy saving mode, the refrigerator compartment temperature is set at 6°C and the freezer compartment at -16°C. The refrigerating system will run automatically under this temperature setting.




### ■ Automation Function

- For fast temperature setting of the refrigerator and freezer compartments, the product is provided with an automation function.
- Press button 6, and then “自动”(auto) is underlined on the screen , which indicates entry into the auto mode. At the same time, the refrigerator compartment temperature is set to 4°C and the freezer compartment to -18°C.
- Repress button 6 to exit from the auto mode. You may also select or cancel the automation function by buttons 3 and 4.

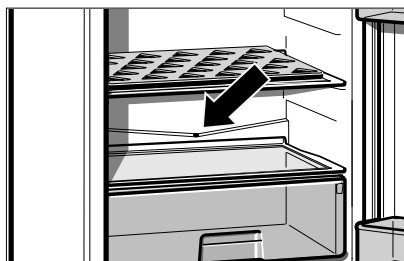


### ■ Lock Function

- The product is provided with lock function.
- Press button 3 to select “锁定”(lock), and then press button 4 to acknowledge. At this time, “锁定”(lock) will be underlined, which indicates entry into the lock mode.
- When the lock function is started, all buttons on the operating panel are locked.
- Press the adjusting button  and the “自动”(auto) button simultaneously for five seconds to exit from the lock mode.

## Cleaning and Maintenance

### Defrosting



#### Refrigerator Compartment

Defrosting is performed automatically for the refrigerator compartment, and defrosted water will go into the water slot at the lower back of the refrigerator and flow into the dew water bowl at the back of the refrigerator through the outlet hole. The water is evaporated by the heat from the compressor.

#### Freezer Compartment

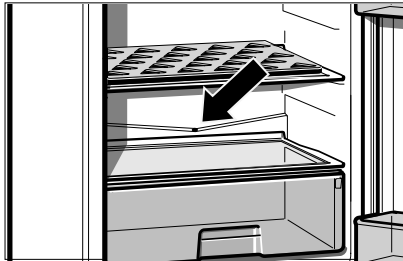
**Large accumulation of frost or ice, on the evaporator adversely affects the efficiency of refrigeration and increases energy consumption. Therefore, defrosting should be performed when there is a thick ice layer on the evaporator. The freezer compartment should be defrosted once or twice a year. The exact defrosting frequency depends on the environment in which the refrigerator is being used.**

- The power supply plug of the refrigerator must be unplugged before defrosting.
- Usually, the best time to defrost is when the refrigerator is completely empty, or nearly empty.
- If there is still frozen food in the freezer compartment, before defrosting, you may press the “super freezing” button and wait for about 4 hours. During this time, the food temperature will fall greatly and thus the food can be placed safely in ambient temperature.
- During defrosting, objects in the freezer drawers should be taken out and placed in a cool place. Open the freezer compartment door and complete the defrosting as quickly as possible (the longer the food is at ambient temperature, the shorter its shelf-life).
- The method for defrosting is usually to open the freezer compartment door to defrost naturally through the increasing temperature. Additionally, a container with hot water can be placed inside the freezer compartment to accelerate the speed of defrosting. During defrosting, the defrosted water should be cleaned in time to avoid overflow. The freezer compartment should be cleaned thoroughly, and the dew water should be removed completely with a soft towel after defrosting.
- Do not use steel brushes or metal tools when defrosting, as these could damage the evaporator.



# Cleaning and Maintenance

## Cleaning



## Precautions for Cleaning the Refrigerator

- The power supply plug must be unplugged before cleaning.
- Ensure that water does not enter the electric light during cleaning.
- Wash the refrigerator except for the door seal with a soft cloth dipped in lukewarm water or a neutral cleaner. The seal on the door must be cleaned with clear water and desiccated with dry cloth.
- The water slot and the outlet hole of the refrigerator compartment should be cleaned frequently to ensure that defrosted water can flow out.
- Cleaner containing abrasives (such as toothpaste), acids or chemical solvents (such as alcohol), or buffing compounds must not be used.

## Key Points for Energy Saving

- The refrigerator should be placed in a dry and well-ventilated location. The refrigerator should not be close to a heat source or exposed to direct sunlight.
- Hot food should be cooled to ambient temperature before being put into the refrigerator.
- Defrosting should be performed when there is a thick ice layer on the freezer compartment. A thick ice layer may weaken exchange of refrigeration capacity, thus leading to an increase in power consumption.
- Frozen food can be defrozen in the refrigerator compartment so that it can assist in cooling the refrigerator compartment.
- The refrigerator door should not be opened unnecessarily.
- Taking energy saving into consideration, it is recommended that the energy saving function be used in general ambient temperature (refrigerator compartment temperature is set to 6°C, freezer compartment temperature is set to -16°C). Furthermore, the temperature should not be adjusted frequently once it is set.
- Ensure that the temperature sensors of the refrigerator compartment and the freezer compartment are not covered or contacting food; it is best to keep a distance of 5-8 cm there-between.

# Cleaning and Maintenance

## Others

### ■ When Power is Out

- Reduce the frequency of door opening and do not put fresh food into the refrigerator (to prevent a rapid rise in temperature).
- If you know the power supply is going to be out, turn on the super freezing switch in advance (by pressing the super freezing button). Extra ice can be made and placed at the top of the refrigerator compartment to further lower the temperature.

### ■ Switching off the Appliance

- The power supply plug of the refrigerator can be unplugged, if the appliance needs to be switched off.
- If the refrigerator is to remain unused for a long period, please perform the following steps: switch off the refrigerator, and then defrost and clean; finally, keep the door slightly open to prevent odors from occurring.
- Do not turn off the refrigerator under normal circumstances; otherwise, its lifespan will be adversely affected.

**Note: If you decide to stop using the refrigerator, no food should be stored in it.**

# Common Problems, Analysis and Elimination of Faults

## Common Problems

### ■ Dew Water on External Surface of Refrigerator

This may occur when the humidity in the atmosphere is high. Simply wipe it dry.

### ■ Frost on the Back of the Refrigerator Compartment

The refrigerating tubing for the refrigerator compartment is close to the back of innerliner of the refrigerator compartment container and the temperature here will fall below 0°C . As a result, frost will form when it is running. The frost will thaw automatically when the refrigerating system for the refrigerator compartment stops operation.

### ■ Warming of the Door Frame Peripheral of Freezer Compartment

This is a special provision to prevent frosting or condensation around the freezer compartment door.

### ■ Warming of Left and Right Side Panels

The condenser is close to the inside of the side panels. The refrigerator will dissipate heat via the condenser during operation. The side panel temperature can be about 50°C in summer when the ambient temperature is high.

### ■ Hot Compressor

The housing temperature of the compressor can be about 80°C when the refrigerator is running.

### ■ Noise of Water Flowing in the Refrigerator

This is the noise of the refrigerant flowing in the tubing when the refrigerating system is running.

### ■ Cracking Noise in the Refrigerator

This results from the expansion and contraction of the innerliner and refrigerating tubing when the refrigerator is running.

### ■ The compressor will not start when the voltage is too low

A power stabilizer of, or above, 500W should be used.

### ■ Humming Vibrating Noise

A slight humming noise can be heard when the refrigerator is running. If the refrigerator is not level, vibrations and other noise may occur. Follow the instructions on Page 5 to level the refrigerator.

### ■ Long Term Operation

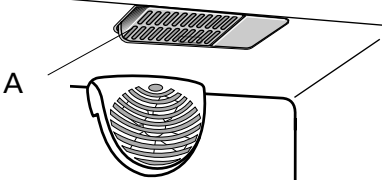
During the summer, when the ambient temperature is high, the compressor will start more frequently and run for a longer time than normal.

### ■ Power consumption is higher than the indicated value level

The rated power consumption given in the Technical Specification is the value measured according to the national standard, i.e. the refrigerator operating steadily for 24h in an ambient temperature of 25°C with the refrigerator compartment temperature controlled at 5°C and the freezer compartment temperature controlled at -18°C and the door kept closed. When a lot of food is cooling, the ambient temperature is high, or the door is opened frequently, it is normal that the actual power consumption will be higher than the indicated value.

# Common Problems, Analysis and Elimination of Faults

## Analysis and Elimination of Faults

Fault	Possible cause	Remedy
<b>No signal on display screen</b>	The power supply plug is not properly inserted, blown supply fuse, or no power supply.	Properly insert the power supply plug, replace the fuse, and check if there is a power supply.
<b>Buzzer gives out an alarm or there is alarm character blinking on the display screen, and the freezer compartment temperature is blinking on the display screen.</b>	Excessively high freezer compartment temperature, which may be caused by: <ul style="list-style-type: none"> <li>■ The refrigerator has been switched on for the first time or after a long periods power outage.</li> <li>■ The refrigerator compartment door or freezer compartment door has been kept open for a long periods of time.</li> <li>■ An excessive amount of fresh food has been placed into the freezer compartment one time.</li> </ul>	<ul style="list-style-type: none"> <li>■ Cancel the alarm sound and blinking display by pressing button 5.</li> <li>■ Close the refrigerator compartment door or freezer compartment door.</li> <li>■ Food put into freezer compartment at one time should not exceed the maximum freezing capacity.</li> </ul>
<b>The light in the refrigerator compartment is not on while the refrigerating system is running.</b>	The bulb is blown. 	<ul style="list-style-type: none"> <li>■ The power supply plug must be removed before replacing the bulb.</li> <li>■ Remove light cover A by unbuttoning the agraffe behind the lamp and unscrew the bulb in a counter clockwise direction.</li> <li>■ Screw a new bulb in a clockwise direction (15W/220V E14).</li> </ul>
<b>The bottom of the refrigerator compartment is wet or there is accumulated water.</b>	The water outlet hole on the water slot is blocked.	Clean the water outlet hole on the water slot, refer to "cleaning" on Page 17.

If the problem remains after following the above tips, please contact our local customer service center.

### Customer service warranty (for home use):

Warranty period is one year for a complete unit and three years for functional parts (starting from the purchase date as indicated on the invoice).

When you need normal inquiry or maintenance, please contact our local customer service center with your invoice.

When making an inquiry, or requesting repair service, please state the product code (product code E-Nr., on the circuit diagram label at the back of the refrigerator).

## Technical Parameters

Name \ Type	KK21E68TI
Climate type	SN / ST
Star grade	****
Total storage volume (L)	212
Freezer compartment storage volume (L)	75
Freezer compartment temperature (°C)	≤ -18
Power supply	220V 50Hz
Freezing capacity (kg/24h)	17
Power consumption (kW·h/24h)	0.55
China energy level	1
Refrigerant	R600a
Amount of refrigerant (g)	58
External dimensions (mm)	590x641x1675
Rated current (A)	0.6
Noise level dB(A)	36.9
Net weight (kg)	67
Electrical safety classification	I

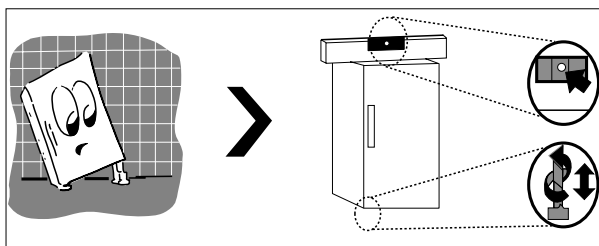
## Packing List

Name \ Type		KK21E68TI
<b>Accessories in the case</b>	Safety glass shelf	2
	Egg and bottle shelf	1
	Safety glass partition shelf	1
	vegetable basket	1
	Freezer compartment drawer	4
	Ice-maker	1
<b>Spare parts</b>		
<b>Door accessories</b>	Short bottle tray	1
	Small bottle tray	2
	Big bottle tray	1
	Dairy box	1
<b>Printed documents</b>	Instruction manual	1
	Certificate	1

# Common Refrigerator Knowledge

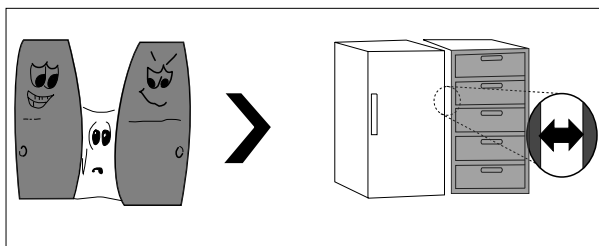
## Noise Tips (I)

To take full advantage of the refrigerator, please read the following noise tips. It could assist you in eliminating noise annoyance caused by improper placements or use and provide you with a quiet environment.



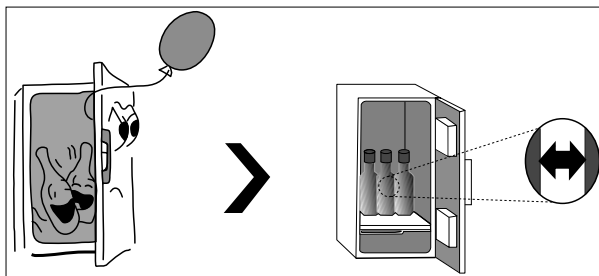
### ■ Level the Appliance

Adjust the height of the front feet of the refrigerator, and ensure an upright and stable placement.



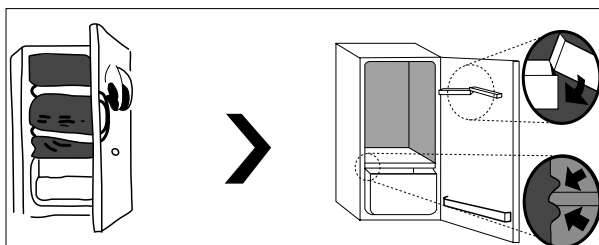
### ■ Place the Refrigerator away from Other Appliances

Place the refrigerator away from other appliances to prevent resonance between the refrigerator and other adjacent appliances.



### ■ Keep Gaps between Containers

Please keep gaps between bowls, dishes, wine bottles and the like as much as possible to avoid collision due to close placement.

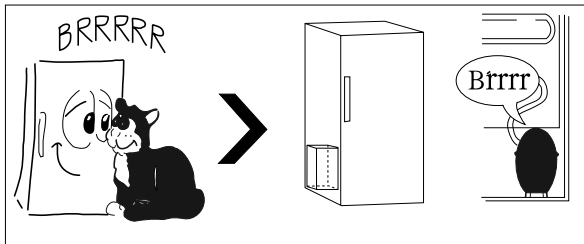


■ Check if accessories, such as the drawers, vegetable basket, etc., are loose or collide with each other. If so, violent shaking may happen in a highly-effective refrigerator, but may disappear as soon as the accessories are properly placed. Furthermore, putting some food in empty freezer drawers may also reduce noise.

# Common Refrigerator Knowledge

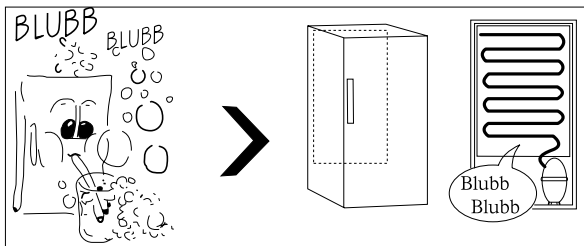
## Noise Tips (II)

The running of the compressor and circulation of refrigerant make lower temperature in the refrigerator, thus keeping food fresh and nutritious. Some little noise may break out during operation. Do not worry, since it is normal and would not interfere with your use of refrigerator.



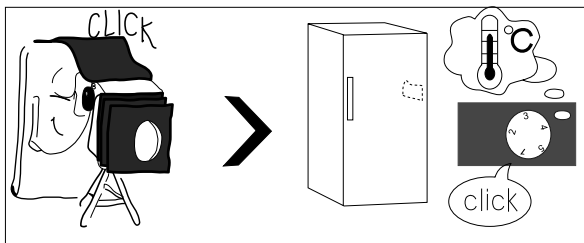
### ■ Humming Noise

When the compressor is running, the noise may be higher when it starts. The humming noise of the highly effective refrigerator may be somewhat higher for the powerful working condition of the compressor.



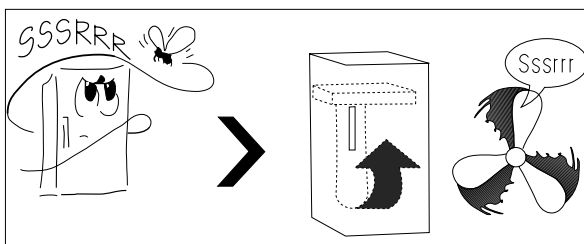
### ■ Bubbling and Gurgling Noises

The inner temperature would fall down only when the refrigerant is flowing through the refrigerator tubing. Slight noise may come out during flowing, since two forms of refrigerant exist, gaseous and liquid.



### ■ “Clicking” Noise

It is caused by the temperature controller when turning on or turning off the compressor.



### ■ Whirring Noise

It is caused by air flow when the fan of the non-frost refrigerator or fan-equipped refrigerator is running. Fan rotating ensures a quick decrease and an equilibration of temperature, and also it is vital for keeping food fresh and nutritious.



## Customer Service

### Warranty Instructions

- According to "the Regulations of Responsibility concerning Repair, Exchange and Return of some commodities", warranty period of appliance purchased for home use purpose is one year for the complete unit and three years for the functional parts. Warranty period of appliances purchased for business, commercial or company use is 3 months for complete unit and functional parts unless otherwise specified in the contract.
- Warranty period for appliances sold at reduced prices is the same, but no warranty claim for price reduced position.
- Within warranty period, the consumer should show the valid purchase invoice of the appliance and other relevant guarantee documents defined by the manufacturer when asking for free of charge repair. Consumer should keep the warranty card and the purchase invoice properly and show them together when asking for free of charge repair. The warranty period starts from the invoice date. If the customer loses the invoice, it starts from the manufacturing date.
- **The following cases are not covered by the free of charge repair and should be paid by the customer:**
  - Damage caused by improper transportation, installation, operation, maintenance and storage by customer.
  - Damage caused by power supply on customer site less than 180V or more than 242V.
  - Damage caused by unauthorized repair.
  - Without valid purchase invoice or without relevant guarantee document.
  - The guarantee document is amended by customer or doesn't accord with the appliance.
  - Damage caused by force majeure.
  - Out of warranty.

## Customer Service

- If the appliances are used under condition of improper power supply, water supply, temperature or humidity, the damage and loss are not covered by the free of charge repair and should be paid by the customer. Because the factors mentioned above is beyond the control of manufacturer.
- In order to provide prompt service, our service staff needs specific information about the appliance. Please inform the following to us in detail:
  - Exact address and telephone number.
  - Failure description.
  - Date of purchase.
  - Product number (E-Nr.) and Production date (FD).

## Service Promises

- 24 hours hotline service
- Door to door service within 24 hours within city boundary
- Free of charge installation
- Free of charge consulting
- Door to door service a lifetime long
- Be responsible for service a lifetime long

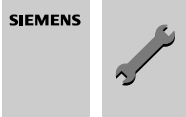
# Customer Service

## Warranty Card

**SIEMENS**

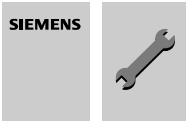
Customer's name		Contact telephone number	
Address			
Date of purchase			
Product code		Invoice number	
Name of repair center		Telephone number for the repair center	

Fifth copy of inventory



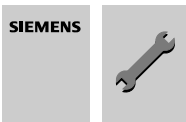
Customer's name		Address	
Date of purchase		Invoice number	
Product code		Date of Shipment (month/year)	
Date of repair		Shipment No. (Box No.)	

Fourth copy of inventory



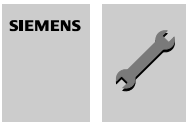
Customer's name		Address	
Date of purchase		Invoice number	
Product code		Date of Shipment (month/year)	
Date of repair		Shipment No. (Box No.)	

Third copy of inventory



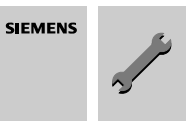
Customer's name		Address	
Date of purchase		Invoice number	
Product code		Date of Shipment (month/year)	
Date of repair		Shipment No. (Box No.)	

Second copy of inventory



Customer's name		Address	
Date of purchase		Invoice number	
Product code		Date of Shipment (month/year)	
Date of repair		Shipment No. (Box No.)	

First copy of inventory



Customer's name		Address	
Date of purchase		Invoice number	
Product code		Date of Shipment (month/year)	
Date of repair		Shipment No. (Box No.)	



9000 112 887

PD 86 02 08

**SIEMENS Website:** <http://www.siemens-ha.com.cn>

**800 Free consulting telephone:** 8008289828

**Nationwide customer service hotline:** 4008899999

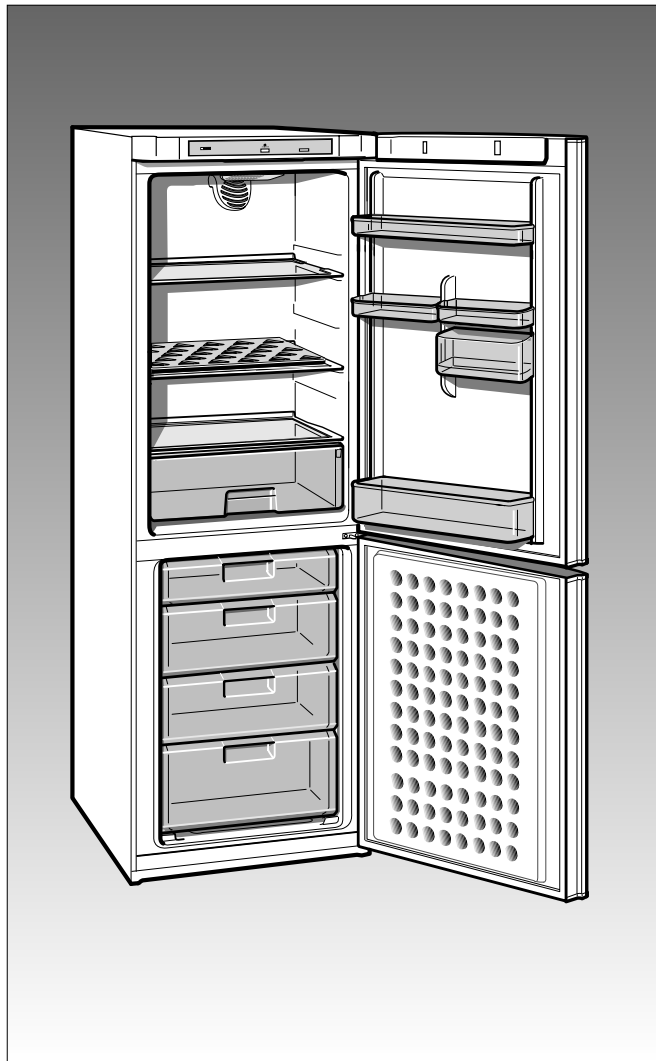
**For areas without hotline access,**

**please dial:** 0550-3062800 **Fax:** 0550-3072600

**Customer Service E-mail:** Careline.China@BSHG.com

# SIEMENS

## Operating Instructions



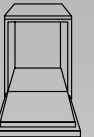
**WM**



**RF**



**DW**



**CH**



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