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Product Introduction

Features of Product

■ LCD display screen

It is a LCD dot-matrix display controlled by a touch screen and capable of displaying a large amount of information with multi-menu selection. Its external appearance is distinct and easy to read.

■ Multi-language selection

There are 16 languages, including Chinese, English, and German, in the operating system available for selection.

■ Food storage information

The information database about large food storage can guide the user to store food more reasonably.

■ Display of ambient temperature and working status

The system can display the room temperature and the working status of the refrigerator.

■ Bio-fresh technology

With the separated refrigerating systems, cool air circulation system as well as the humidifier, the refrigerator temperature is maintained at nearly 0°C. Under this condition, growth, and reproduction of microorganisms (such as bacteria, yeast, and mildew) is inhibited effectively. Thus, food can be kept fresh two to three times longer when preserved using conventional methods.

■ Variable-temperature freezing, economical and practical

Meat to be stored for a short time can be frozen superficially, so that it can be kept fresh for a longer time without being frozen too hard, and therefore there is no need to thaw it before cooking.

■ 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.

■ Four-temperature control system

The refrigerator, bio-fresh, freezer and variable-temperature freezer compartments are controlled by the computer system respectively.

■ Intelligent temperature correction

For different ambient temperatures, the control system can perform temperature compensation within the refrigerator to ensure a more stable temperature.

■ Intelligent fan

The fans in the refrigerator and freezer compartments are started intelligently and can be controlled automatically by the computer control system in accordance with the ambient temperature and the requirements of the refrigerating system.

■ Super-cooling function, fast and convenient

With the unique 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.

Product Introduction

■ **Super-freezing function, powerfully keeping food fresh**

With the unique super-freezing function of SIEMENS, food can be frozen to a temperature below -18°C within the shortest time, thus keeping food fresh more scientifically.

■ **Low noise**

Since a series of noise reduction technologies are used, noise can be reduced as much as possible.

■ **Highly effective energy saving**

High efficiency compressor and thickened foamed layer are used for higher refrigerating efficiency and energy-saving improvement.

■ **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 the 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 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.

■ **Alarm system**

● **Over-time alarm system**

When the door has been continuously opened for a long time, the computer system will alert the user automatically with an alarm to close it.

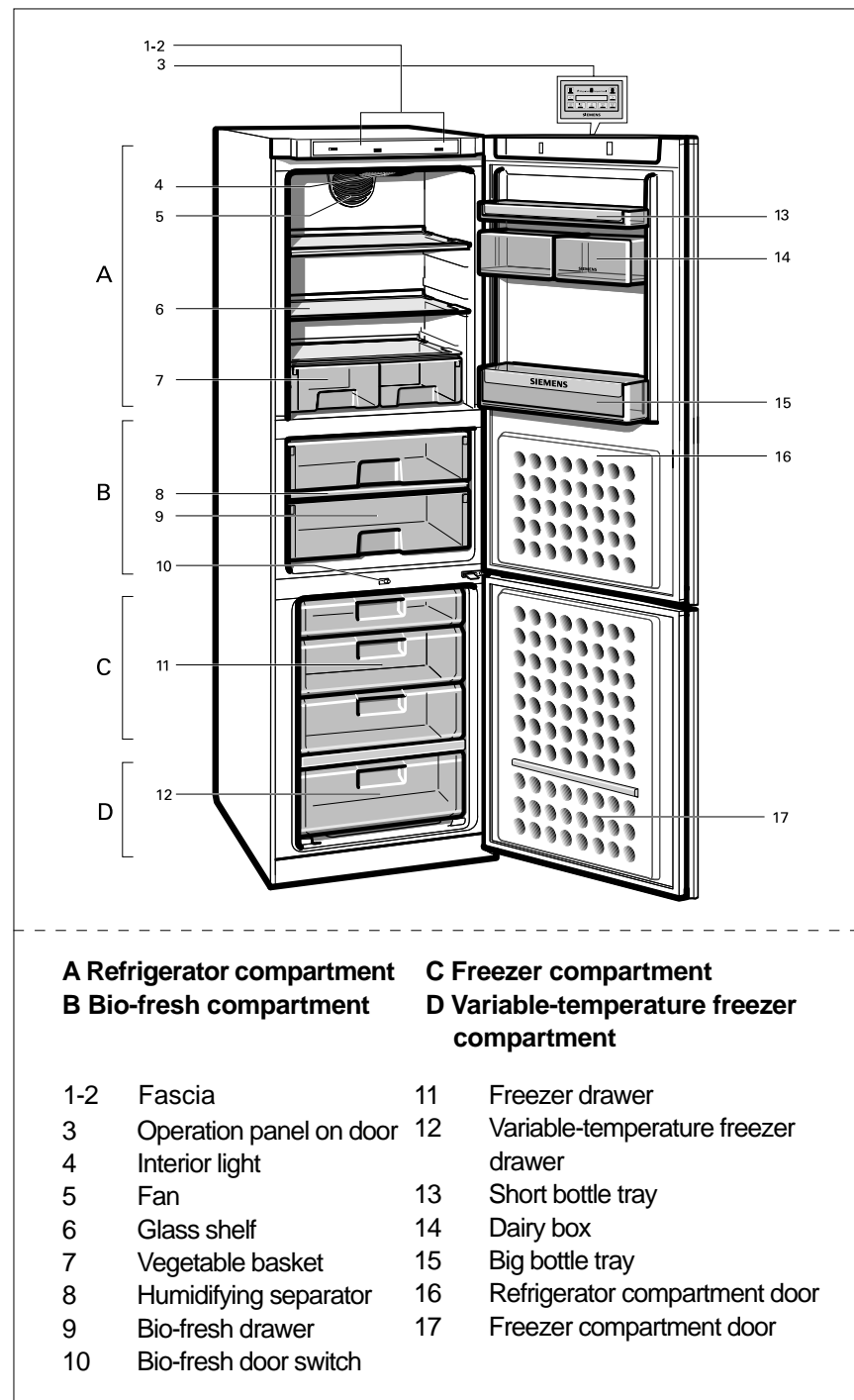
● **Over-temperature alarm**

When the variable-temperature freezer compartments temperature is higher than the alarm temperature, the computer system will alert the user automatically with an alarm.

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.



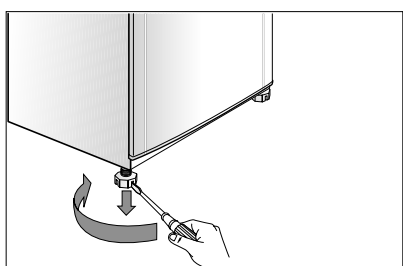
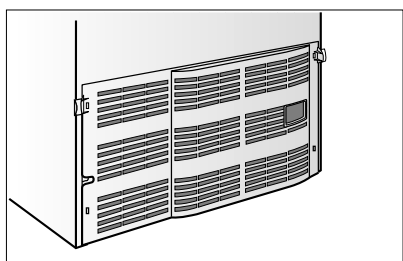
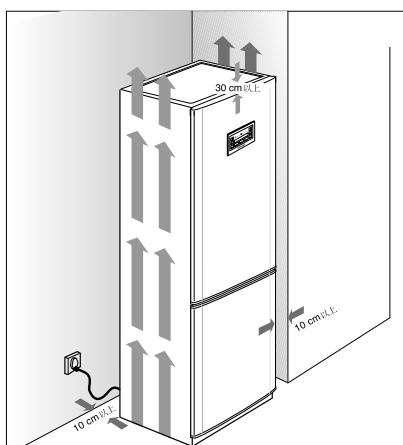
Product Introduction

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 187~242V.
- 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:

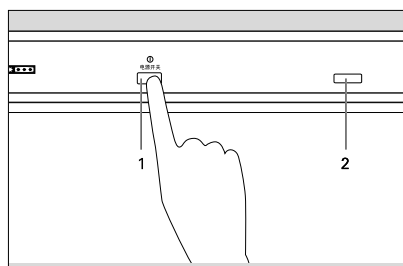
- **GB/T8059.2-1995**
Household refrigerating appliances -- Refrigerator-freezer
- **GB4706.1-1998**
Safety of household and similar electrical appliances Part 1: General requirements
- **GB4706.13-2004**
Safety of household and similar electrical appliances - Particular requirements for refrigerators, 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 27.
- Wait more than 30 minutes before connecting to the wall socket.

Fascia and Operation Panel on Door

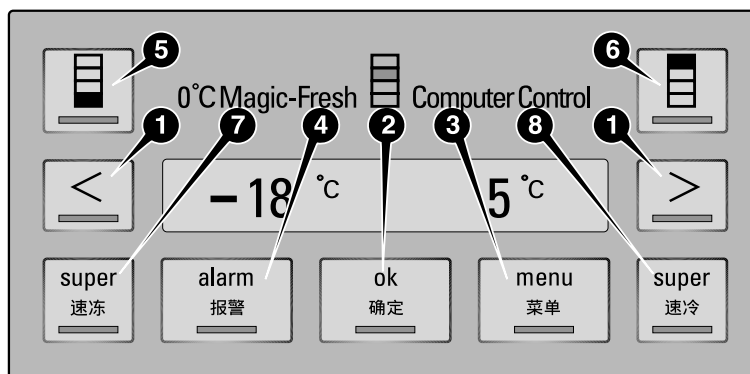


Fascia

- **Power switch button (1)**
It is used to switch the refrigerator on/off.
- **ON/OFF button of door light (2)**
Switch of the interior light in the refrigerator compartment.

Operation panel on door

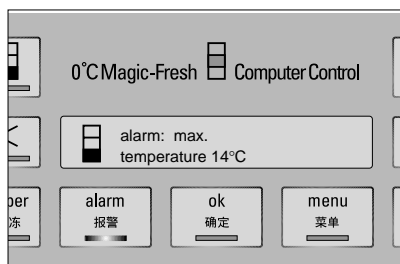
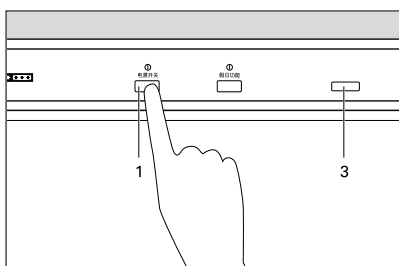
The operation panel on door is a touch display. To fully take advantage of all functions of the refrigerator, first get familiar with the functions of the touch buttons. When each touch button is touched, the corresponding function is activated. Each button and its functions will be described in details below:



Operation

- ❶ Touch buttons "<" and ">"
 - a) Select parameters.
 - b) Select submenus.
- ❷ "Ok" button It is used to acknowledge the selected parameters. If you change the parameters through buttons "<" and ">", without touching the OK button, the previous setting will remain valid.
- ❸ "Menu" button It is used to select menu items, and press it to jump to the next menu item.
- ❹ "Alarm" button It is used to display the alarm signal, give out an alarm sound, or shut off the alarm sound.
Note: There may be many causes for the refrigerator alarm; refer to the "Alarm Information" on Page 24.
- ❺ "Variable-temperature freezing" button
 Touch this button to enter the temperature setting status of the variable-temperature freezer compartment.
- ❻ "Cooling" button
 Touch this button to enter the temperature setting status of the refrigerator compartment.
- ❼ "Super freezing" button Touch this button to start/stop the super freezing function of the freezer compartment.
- ❽ "Super cooling" button Touch this button to start/stop the super cooling function of the refrigerator compartment.
Note: Only the lightened buttons can be operated, except the "alarm" button.

Switching on



Switching on the refrigerator

Switch on the power, open the refrigerator compartment door, press button (1), and start the refrigerator.

Switching on for the first time

Once the refrigerator is started, the screen will display the over-temperature alarm of the freezer compartment. It is as shown in figure to the left.

At this moment, if the "alarm" button is touched, the alarm sound will be closed.

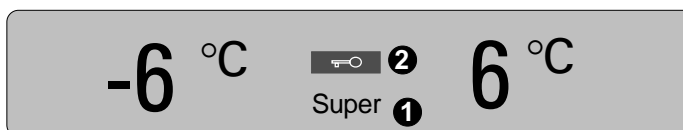
Operation

Standard Display Information

The set temperature of the variable-temperature freezer compartment is displayed on the left, and the set temperature of the refrigerator compartment is displayed on the right.



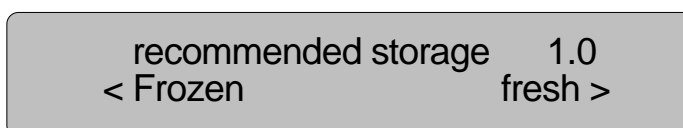
- If the super cooling function or the super freezing function of the refrigerator compartment or freezer compartment is set by the "super cooling" or "super freezing" button, the set temperature value and the corresponding information will be displayed (as shown in the figure, ❶ "Super" is the super freezing information of the freezer compartment).
- If specific functions are started, the corresponding signs will be displayed in the middle part of the screen (as shown in the figure, ❷ "button lock" sign).



Menu Introduction

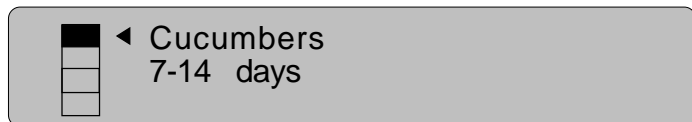
Select each menu item according to the sequence of the "menu" button. For example, touch the "menu" button to enter "0°C Bio-fresh compartment" from "Storage suggestion".

- **Storage suggestion**
This menu item provides the suggestions on the storage periods and storage temperature zones for different kinds of food.



Operation

- Touch the "<" button to select the storage suggestion on frozen food.
- Or touch the ">" button to select the storage suggestion on fresh food.(as shown in the figure below)



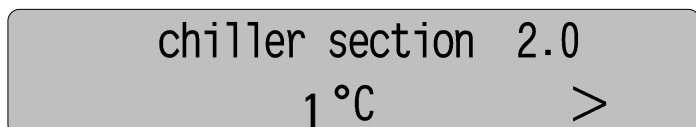
The displayed information includes

- The suggested storage temperature zone (such as the refrigerator compartment).
- The longest storage period (such as, 7-14 days).

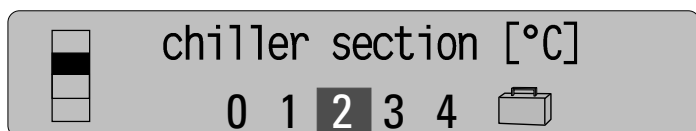
This information will be displayed for 1 minute. If you do not operate any button during this period, the displayed information will be restored to the default display automatically.


- Touch the "menu" button again, then you can enter the subordinate items.

■ Bio-fresh and holiday mode settings



- Touch button ">" to set the Bio-fresh compartment temperature or to select the holiday mode, and then touch the "ok" button to acknowledge.




-  represents holiday mode.
- Touch the "menu" button again, and you will enter the subordinate item.

Operation

■ Indication information

display 3.0
< room temp. status >

- In this menu, you can touch the "<" button to display the room temperature.

 26 °C

- Or touch the ">" button to display the current working status of the refrigerator.

Status
O.K.



These signs indicate the current working status of the refrigerator.



indicates the working status of the compressor



indicates the working status of the fan



indicates the defrosting status of the refrigerator



indicates the opening/closing status of the refrigerator doors

The information will remain displayed until you touch the "menu" button to switch to the "Indication" menu.

■ Customer service telephone

Here, you can enter the local customer service telephone number or change it as required by touching the ">" button.

customer service no. 4.0
enter number >

- The cursor can be moved from the left by the ">" button to select the digit placed on a certain position.
- The digit can be changed from "9" by the "<" button.

customer service no.
4 5 2.....

Operation

■ Adjustment

adjustment 5.0
select >

- Touch the ">" button, then the alarm sound volume adjustment appears.
- Use the "menu" button to return to the default display.

Adjusting the default settings under the menu

alarm volume 5.1
0 1 2 **3**

- Touch button "<" or ">" to select the alarm volume value, and then touch the "ok" button to acknowledge.
- Use the "menu" button to switch to the next step.

brightness 5.2
0 1 **2** 3

- Touch button "<" or ">" to select the brightness value, and then touch the "ok" button to acknowledge (0 = OFF).
- Use the "menu" button to switch to the next step.

temperature 5.3
°C °F

- Touch button "<" or ">" to select a temperature unit, and then touch the "ok" button to acknowledge.
- Use the "menu" button to switch to the next step.


language: English 5.4
da de **en** es fr it nl ...

- Press button "<" or ">" to select the menu language (for example, "zh" represents Chinese, "en" represents English, and "de" represents German), and then press the "ok" button to acknowledge.
- Use the "menu" button to switch to the next step.

Operation

child lock 5.5

ON OFF

- Touch button "<" or ">" to select ON or OFF of the button lock function, and then touch the "ok" button to acknowledge.
- When the button lock function takes effect, the operation panel will be locked. At this moment, "  " will be displayed in the default information. If some button is touched, the information in the following figure will be displayed.

deactivate child lock:
menu 5 sec

Note: The "alarm" button for displaying the alarm information is an exception.

After you touch the "menu" button for 5 seconds, the button lock function is cancelled.

display sleep mode 5.6

ON OFF

- Touch button "<" or ">" to select ON or OFF of the screen sleep mode, and then touch the "ok" button to acknowledge.
- When the screen sleep mode takes effect, the screen light and the activated button will be closed after 10 seconds.

save energy mode 5.7

ON OFF

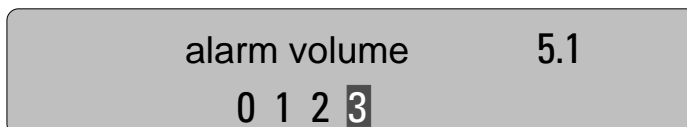
- Touch button "<" or ">" to select ON or OFF of the energy saving mode, and then touch the "ok" button to acknowledge.
- When the energy saving mode takes effect, the temperatures of the refrigerator and the freezer compartments will be adjusted to the temperature of the energy saving status from the previously set temperature. The sleep mode will take effect simultaneously. The "eco" sign will be displayed in the default information.
- When the user resets the refrigerator temperature, the energy saving mode will be cancelled automatically.

Operation

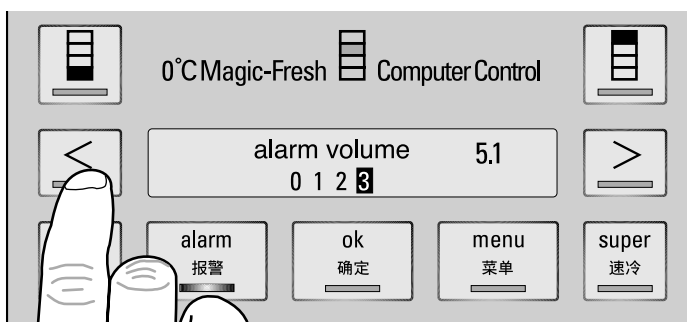
Change of settings

Changing the default settings, such as changing the alarm volume

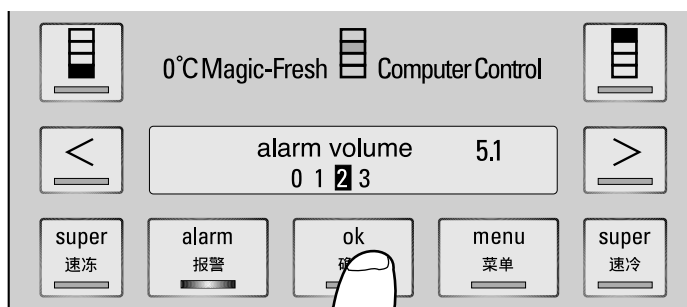
- Touch the "menu" button continuously until "Adjustment 5.0" is displayed on the screen, and then touch the ">" button to enter the menu as shown in the following figure.



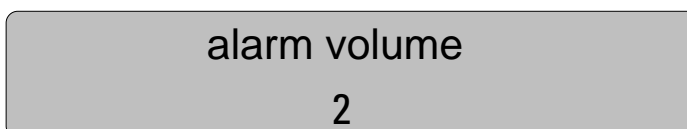
- Use button "<" or ">" to select the desired alarm volume value.



- Touch the "ok" button to acknowledge the selected alarm volume.




- The alarm volume information as shown in the following figure will be displayed.

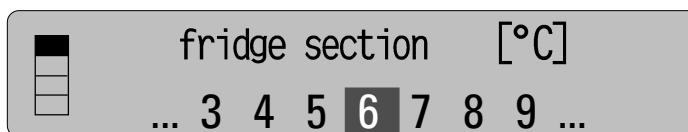


- If no button is touched after that, it will return to the default display in 10 seconds.
- If the "menu" button is touched, the display will be switched to the next adjustment.

Temperature Adjustment

Refrigerator Compartment Temperature Adjustment

- The temperature of the refrigerator compartment can be adjusted between +2°C and +10°C (The default setting is +6°C).
- Method to change the temperature:
Touch the cooling button 



- Use button "<" or ">" to select the desired temperature value.
- Touch the "ok" button to acknowledge the selection.

Super Cooling Mode

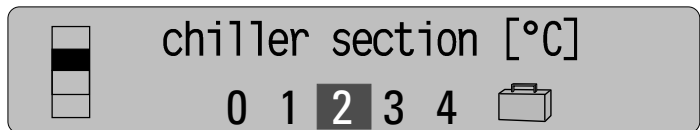
- In the super cooling mode, the refrigerating system of the refrigerator compartment will run for about 6 hours at +2°C, and then be restored to the original setting status automatically.
- **Starting the super cooling mode**
 - Touch the "super cooling" (速冷) button. As the information as shown in the following figure is displayed, it indicates the super cooling mode takes effect.



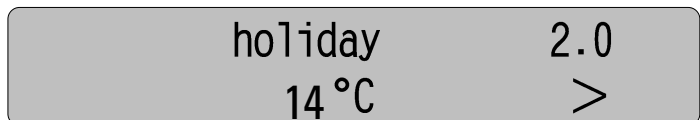
- Touch the "super cooling" (速冷) button again, then the super cooling mode will be cancelled.
- **The super cooling mode should be started in the following cases**
 - Before you put fresh food into the refrigerator;
 - When you want to cool drinks quickly.

Bio-Fresh Compartment Temperature Adjustment

- The temperature of the bio-fresh compartment can be adjusted between 0°C and +4°C.
- **Method to change the temperature**
 - Double-touch the "menu" button to display the menu as shown in the following figure.
 - Touch button ">" to change the temperature for keeping food fresh. After setting a new temperature value, touch the "ok" button to acknowledge.



- Or touch button “>” to select the holiday mode, and then touch the “ok” button to acknowledge. At this moment, the 0°C bio-fresh compartment is running at 14°C. The following information is displayed:

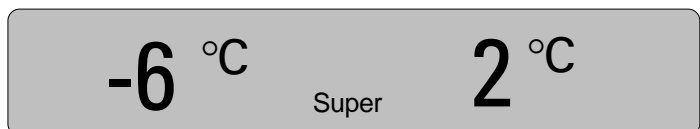


- Touch the “menu” button again, and you will enter the subordinate item.

Super freezing mode setting of freezer compartment

■ Starting super freezing mode:


- Touch the “super” (速冻) button. The information as shown in the following figure will appear.

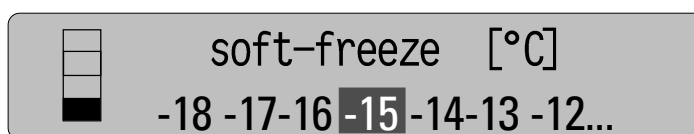


- Touch the “super” (速冻) button again to cancel the super freezing mode.
- In the super freezing mode, the freezer compartment can run for about 50 hours, and at the same time, the refrigerator compartment temperature will be set at 2°C automatically. After super freezing ends, the refrigerator compartment temperature will be automatically restored to the original setting status.
- Super freezing function is used to freeze fresh food. You should start it 3 hours before putting fresh food into the freezer compartment.

Operation

Temperature adjustment of variable-temperature freezer compartment

- The temperature of the variable-temperature freezer compartment can be adjusted between -4°C and -18°C (The default setting is -6°C).
- Method to change the temperature:
 - Touch the variable -temperature freezing button 

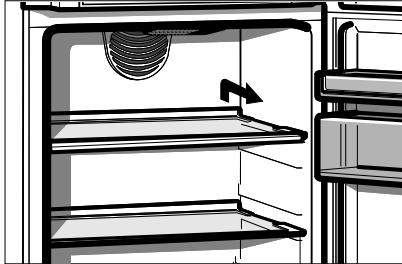


- Use button "<" or ">" to select the desired temperature value.
- Touch the "ok" button to acknowledge.

Operation

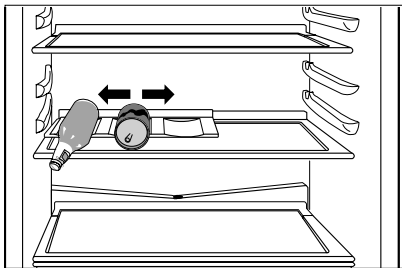
Refrigerator Compartment

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



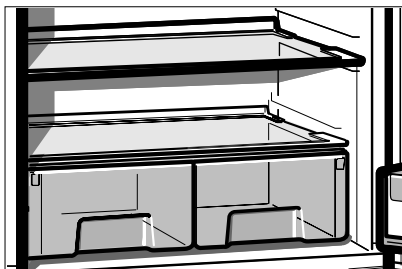
■ Glass shelf in refrigerator compartment

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.



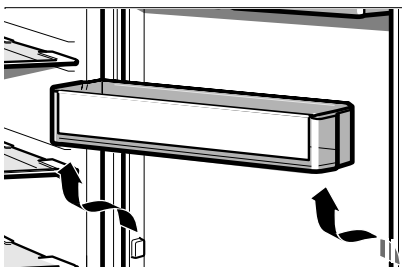
■ Flexible of shelf

The position of this shelf can be adjustable left or right as needed to place or stack bottled items. the shelf also can be taken out of the refrigerator when not used.



■ Small vegetable basket

This may be used to store such kinds of food as fruits and vegetables.



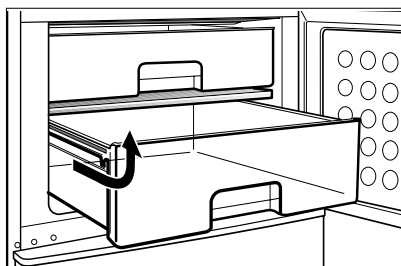
■ Accessories on door

They are used to store eggs, bottled drinks and other items. The bottle tray on the door can be rearranged as required. The tray can be removed by lifting it up gently.

Operation

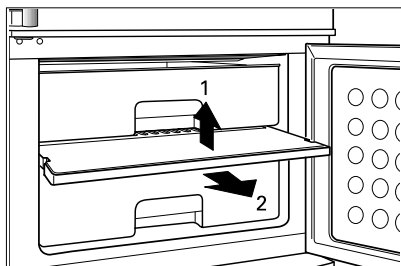
Bio-fresh Compartment

The bio-fresh compartment temperature is maintained close to 0°C, and humidity is kept to a maximum degree. Under the conditions, food can be kept fresh two to three times longer than when using conventional methods. It is suitable for storing fresh fish, meat, egg, milk, and low-temperature tolerant fruits and vegetables, etc.



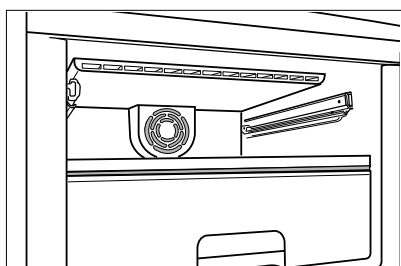
■ Drawers

- There are two drawers with guide rails in the bio-fresh compartment, convenient for putting in and taking out items.
- Both of the two drawers can be used for storing meat, fish, milk, eggs, etc.
- As the lower drawer is an area with high humidity, it is more suitable for storing vegetables, fruits, and other foods which need to be kept humid.



■ Humidifying cover

The humidifying cover above the lower drawer of the bio-fresh compartment can keep the humidity in the drawer to a maximum degree.



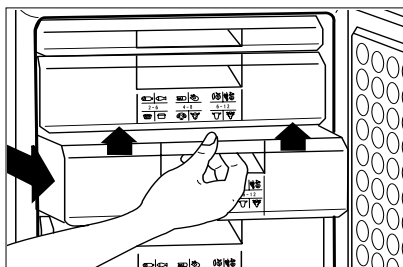
■ Cool air circulation system

The bio-fresh compartment is equipped with a cool air circulation fan and an air deflector to force air circulation for quick cooling of food and to keep the temperature even throughout the compartment.

Operation

Freezer Compartment

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

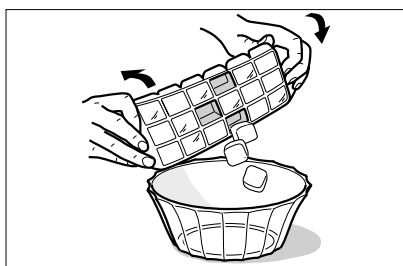


Placement of accessories and food

- The freezer compartment is equipped with three drawers, which can be removed by pulling them out and lifting them gently.
- The upper small drawer can freeze and store small sized food, such as dumplings. The middle and upper drawers can freeze and store larger sized food.

Maximum freezing capacity

The freezing capacity in the Technical Parameters indicates the amount of food be frozen at one time within 24 hours under standard conditions and super freezing status (kg/24h).



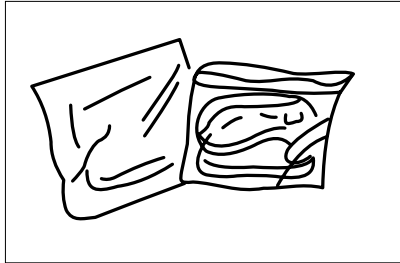
Making Ice Cubes

- In order to make ice cubes rapidly, users should adjust the refrigerator compartment temperature to the lowest set value in advance, so that the freezer compartment temperature can drop to a low value.
- 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 1700 grams per 24 hours, and the ice making procedure generally lasts for 2.5 hours.

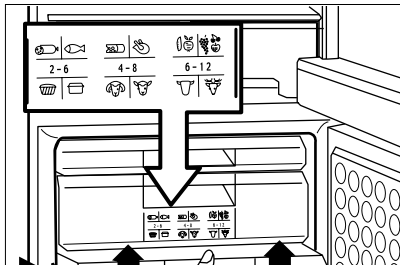
- Twist the ice-maker slightly and the ice cubes will drop out.

Operation



Packing frozen food

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



Storage Period of Frozen Food

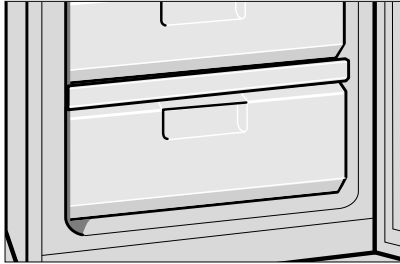
- On the front of the freezer drawer, there are printed icons of different types of food and respective possible frozen storage times (in months). The storage period must be taken into consideration when freezing food.
- For frozen food purchased from stores, the storage time should be shortened in accordance with 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.

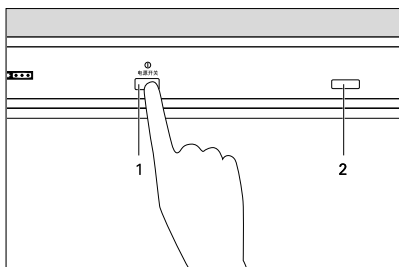
Operation

Variable-Temperature Freezer Compartment



The temperature of the variable-temperature freezer compartment is adjustable between -4°C and -18°C . Under this condition, food is frozen superficially and its storage period is about two to three weeks. Food can be kept fresh for a longer time period without being frozen too hard, thus there is no need to thaw it before cooking.

- The variable-temperature freezer compartment is equipped with a drawer, which can be removed by pulling it out and lifting it gently.
- This is suitable for keeping food made with fresh fish, meat, fruit, etc.
- It is not suitable for storing food requiring for long-term freezing.

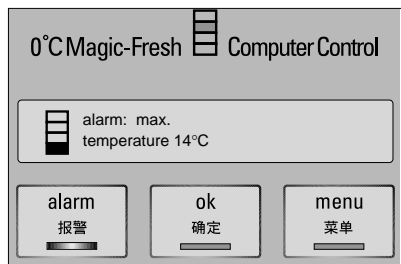


Switching off

- Open the refrigerator compartment door and press down the "power switch" (电源开关) button, so that the refrigerator can be switched off; and then, there is no signal on the display screen.
- If the refrigerator will remain unused for a long time, we suggest you remove the power plug.
- Press the "power switch" (电源开关) button again, then the screen will display the preset information after a few seconds.

Operation

Alarm Information



Alarm for Abnormal Temperature of Variable-Temperature Freezer Compartment

When the variable-temperature freezer compartment temperature is a little high, the system will give out an alarm sound, and the indicator light of the "alarm" button will begin to blink, and at the same time the highest temperature will be displayed on the screen.

■ Cause

- Power failure (such as short-term power cut).
- An excessive amount of fresh food to be stored.
- Refrigerator failure.

■ Solution

- Touch the "alarm" button to close the alarm sound.
- If the refrigerator still cannot reach to the normal temperature within 24 hours, please contact our local customer service center.



Over-time alarm of door

The system gives out an alarm sound and the indicator light of the "alarm" button begins to blink.

■ Cause

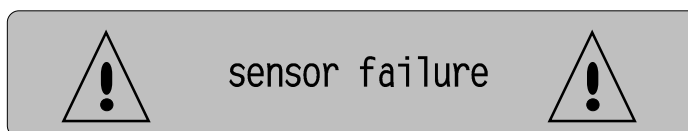
Some compartment door is not closed tightly or has been continuously opened for a long time.

■ Solution

Close the compartment door tightly, and the alarm indication information and the alarm sound signal will disappear.

Sensor failure

- The screen displays the following information:



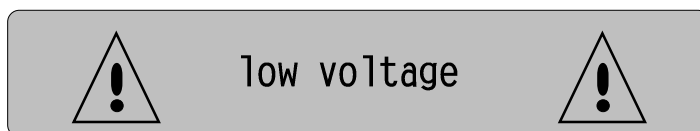
■ Solution

Please contact our local customer service center.

Operation

Low voltage

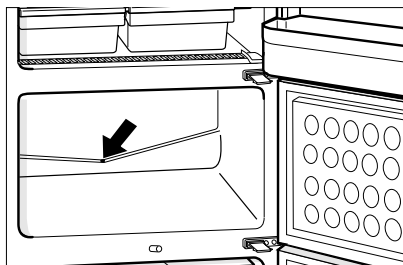
- The screen displays the following information:



- **Cause**
The power voltage is lower than the required minimum limit value.
- **Solution**
Check the voltage. If the local voltage is too low in a long term, we suggest you use a power stabilizer of or above 500W.

Cleaning and Maintenance

Defrosting



Refrigerator Compartment

Defrosting is performed automatically for the refrigerator and bio-fresh compartments, 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.

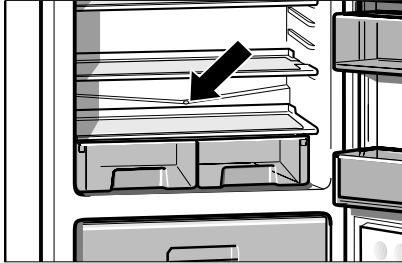
Freezer Compartment and Variable-Temperature Freezer Compartment

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 and variable-temperature freezer compartments 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 must be cut off before defrosting. Press button 1 and remove the power plug.
- Usually, the best time to defrost is when the freezer and variable-temperature freezer compartments are completely empty, or nearly empty.
- If there is still food in the freezer compartment, before defrosting, you may press the “super” (速冻) button and wait for about 4 hours. During this time, the food temperature will fall greatly and thus food can be placed safely at ambient temperature for a while.
- During defrosting, the freezer drawers and the objects in them 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 room temperature, the shorter its shelf-life will be).
- The usual method for defrosting is to open the freezer compartment door to defrost naturally through the increasing temperature. Additionally, a container of hot water can be placed on the evaporator to accelerate the speed of defrosting. During defrosting, defrosted water should be cleaned in time to avoid overflow. The freezer and variable-temperature freezer compartments 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 and bio - fresh 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.

Cleaning and Maintenance

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.
- Frozen food can be defrosted in the refrigerator compartment so that it can contribute to cooling the refrigerator compartment.
- The refrigerator door should not be opened unnecessarily.
- In view of preservation and energy saving, we suggest you select the energy saving mode. The temperature should not be adjusted frequently once it has been set.
- Ensure that the temperature sensors of the refrigerator and the freezer compartments are not covered or contacting food; it is best to keep a distance of 5-8 cm there-between.

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 upper portion of the refrigerator compartment to further lower the temperature.
- **Switching off the Appliance**
 - The power supply plug of the refrigerator should 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 stop the use of the refrigerator under normal circumstances; otherwise, its lifespan will be adversely affected.

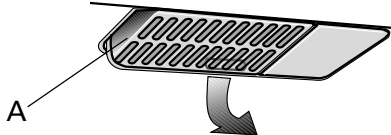
Common Problems, Analysis and Elimination of Faults

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 6 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
No signal on display screen. The alarm indicator light is on, and the buzzer gives out an alarm sound.	The power supply plug is not properly inserted; the freezing off and cooling off buttons are not pressed down; blown supply fuse; or no power supply. Excessively high temperature of the variable-temperature freezer compartment, which may be caused by: <ul style="list-style-type: none"> ■ Switching on for the first time or after a long period of power cut. ■ The refrigerator door has been opened continuously for more than 1 minute. ■ An excessive amount of fresh food has been placed into the variable-temperature freezer compartment at one time. 	Properly insert the power supply plug; press down the freezing off and cooling off buttons; replace the fuse; and check if there is a power supply. <ul style="list-style-type: none"> ■ Press button 4 to cancel the alarm. ■ Close the freezer compartment door. ■ The amount of fresh food put into variable-temperature freezer compartment at a given time should not exceed the maximum freezing capacity.
The light in the refrigerator compartment is not on while the refrigerating system is running.	The bulb is blown. 	Replace the bulb <ul style="list-style-type: none"> ■ The power supply plug must be removed before replacing the bulb. ■ Remove light cover A by unbuttoning the agraffe behind the lamp and unscrew the bulb in a counter clockwise direction. ■ Screw a new bulb in a clockwise direction (15W/220V E14).
The bottom of the refrigerator or bio - fresh compartment is wet or there is accumulated water.	The water outlet hole on the water slot is blocked.	Clean the water outlet hole on the water slot, refer to "cleaning" on Page 27.

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 and Packing List

Technical Parameters

Name \ Type	KK28E69TI	KK28F69TI
Climate type	SN/ST	SN/ST
Star grade	****	****
Total storage volume (L)	265	265
Bio-fresh compartment storage volume (L)	60	60
Freezer compartment storage volume (L)	60	60
Variable-temperature freezer compartment Storage volume (L)	17	17
Freezer compartment temperature (°C)	≤ -18	≤ -18
Power supply	220V 50Hz	220V 50Hz
Freezing capacity (kg/24h)	6	6
Power consumption (kW· h/24h)	0.82	0.72
China energy level	1	1
Amount of refrigerant (g)	R600a (54)	R600a (54)
External dimensions (mm)	640x625x1850	640x640.6x1900
Rated current (A)	0.6	0.6
Noise level dB(A)	37.0	35.3
Net weight (kg)	83	85
Electrical safety classification	I	I

Technical Parameters and Packing List

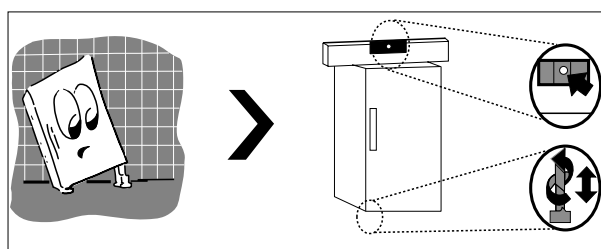
Packing List

Name \ Type		KK28E69TI	KK28F69TI
Accessories in the case	Safety glass shelf	3	3
	Flexible shelf	1	
	Egg and bottle shelf		1
	Small vegetable basket	2	2
	Freezer drawer	3	3
	Ice-maker	1	1
	Bio-fresh drawer	2	2
	Humidifying cover	1	1
	Variable-temperature freezer drawer	1	1
Door accessories	Short bottle tray	1	1
	Dairy box	1	1
	Big bottle tray	1	1
Printed documents	Instruction manual	1	1
	Certificate	1	1
		1	1

Common Refrigerator Knowledge

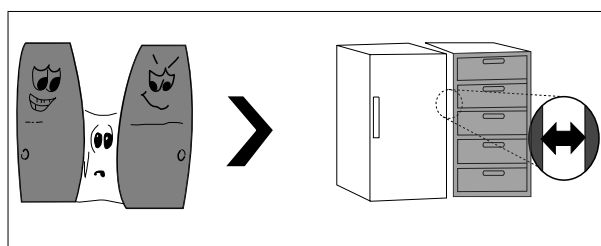
Noise Tips (I)

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.



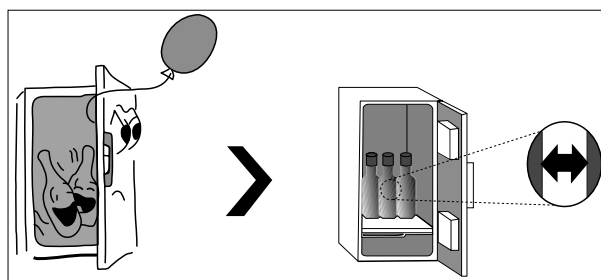
■ Level the Appliance

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



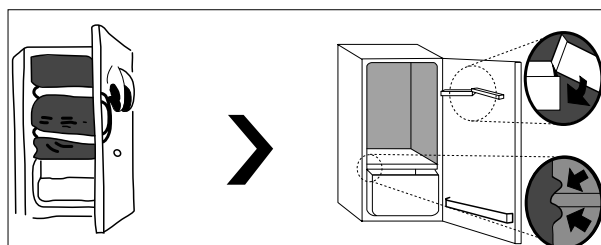
■ Place the Refrigerator away from Other Appliances

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.

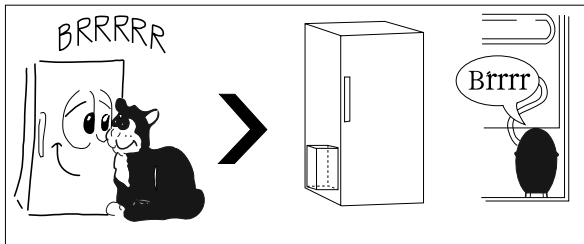


■ Check if accessories, such as the drawers, vegetable basket, etc, are loose or collide with each other. If so, violent shaking may happen in a highly-effective refrigerator, but may disappear as soon as the accessories are properly placed. Furthermore, putting some food in empty freezer drawers may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

Common Refrigerator Knowledge

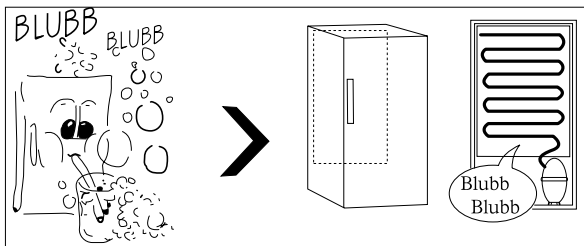
Noise Tips (II)

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.



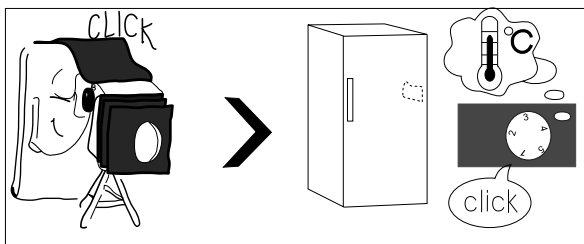
■ Humming Noise

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.



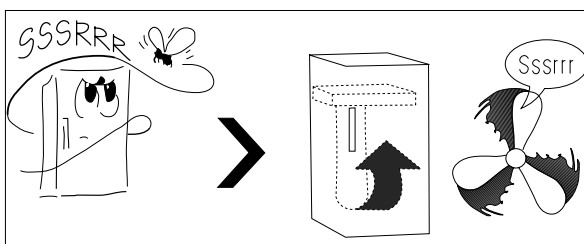
■ Bubbling and Gurgling Noises

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

SIEMENS



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

SIEMENS



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

SIEMENS



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

SIEMENS



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

SIEMENS



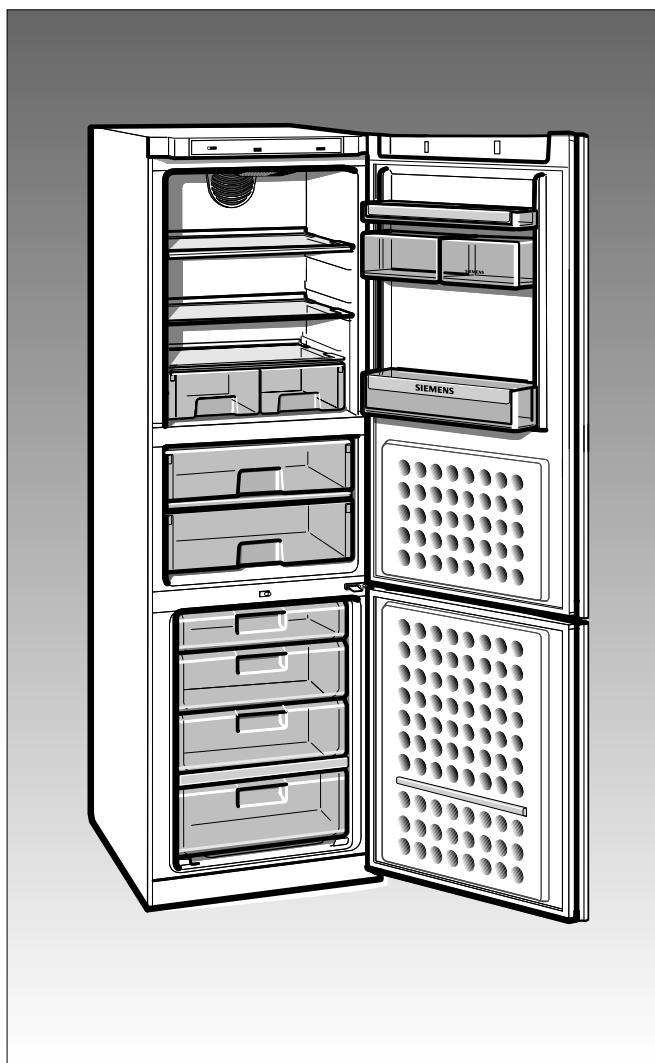
Customer's name		Address	
Date of purchase		Invoice number	
Product code		Date of Shipment (month/year)	
Date of repair		Shipment No. (Box No.)	

9000 112 881
PD 85 08 01

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



9000 112 881 (85 08 01)

KK28E69TI
KK28F69TI E2005

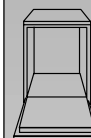
WM



RF



DW



CH

