

Contents

Product presentation

Features of products.....	2
Name of components.....	4
Safety precautions.....	6
Handling and placement.....	7
Altering the door opening directions.....	8
Electric connections	10
Product standards.....	10

Operation

Preparation before operation.....	11
Functions on control panel.....	12
Switch on and temperature adjustment.....	13
Cooler compartment.....	15
Bio-fresh compartment.....	18
Freezer compartment.....	19

Cleaning and maintenance

Defrosting.....	21
Cleaning.....	22
Key points for energy saving.....	22

Common problems, simple causes and solutions

Common problems.....	23
Simple causes and solutions.....	24

Electrical diagram and technical specification

Electrical diagram.....	25
Technical specification.....	22

Packing list

Packing list.....	22
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Product presentation

Features of products

■ **Unique bio-fresh compartment prolongs food preservation**

The temperature in the compartment is kept close to 0°C and maximum humidity is maintained by the three-circulation refrigerating system, the cool air circulation system and the moisture control device. In this controlled environment, the growth and reproduction of microorganisms (bacteria, yeast and molds) are suppressed most effectively, and food can be kept fresh two or three times longer than that under conventional conditions.

■ **Energy saving design**

High energy-saving compressor and three-circulation refrigerating system are used for higher refrigerating efficiency and energy-saving improvement.

■ **Three-temperature control system**

The temperature in the refrigerator compartment, the bio-preservation compartment and the freezer compartment is controlled by a computer system.

■ **Computerized precision temperature control system keeps food fresh longer**

The temperature in the cooler compartment and freezer compartment is set, controlled and displayed separately by the micro-computer system, so that temperatures can be controlled more precisely and food can be kept fresh for a longer period of time.

■ **LED double-screen temperature display**

Two screens clearly display the temperature in the refrigerator compartment and the freezer compartment.

■ **Computerized fast freezing**

With the unique fast freezing function of Siemens, unfrozen items placed in the freezer compartment are automatically sensed, and "fast freezing time" is automatically set by the computer, so that the temperature drops to below -18°C and food is frozen in the shortest time.

Product presentation

- **Large range of climate design**

The product is designed for a large range of climates, from sub-temperate zone to subtropical zone.

- **R600a refrigerant, a pioneer in environmental protection**

Both the refrigerant R600a and the foaming agent are hydrocarbon and will not damage the ozone layer, nor produce a green house effect.

- **Safe and durable glass**

Toughened glass shelves are beautiful and durable and with a heavy load capacity.

- **Removable door sealing strips for convenient cleaning**

The removable door seal are durable with a strong adhesive force, and can be cleaned easily.

- **Left-right door opening feature**

The door can open to the left or to the right for more convenient placement of the refrigerator.

- **Unique door closer device (on Type KK29E26TI)**

It ensures proper closing of the door.

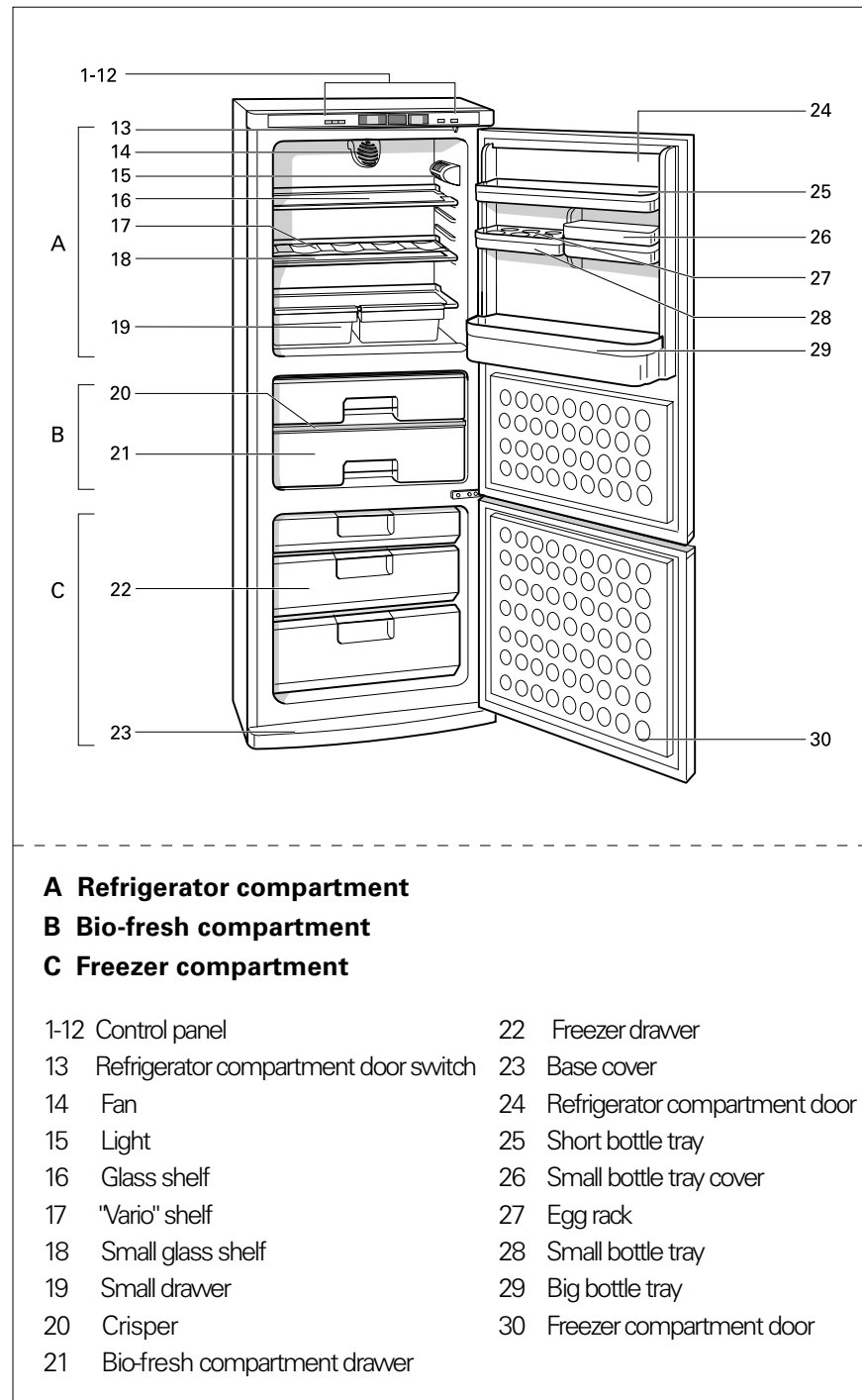
- **High-temperature alarm system for freezer compartment**

When the freezer compartment temperature is higher than the set temperature, the computer system will set off the automatic alarm to alert the user.

Product presentation

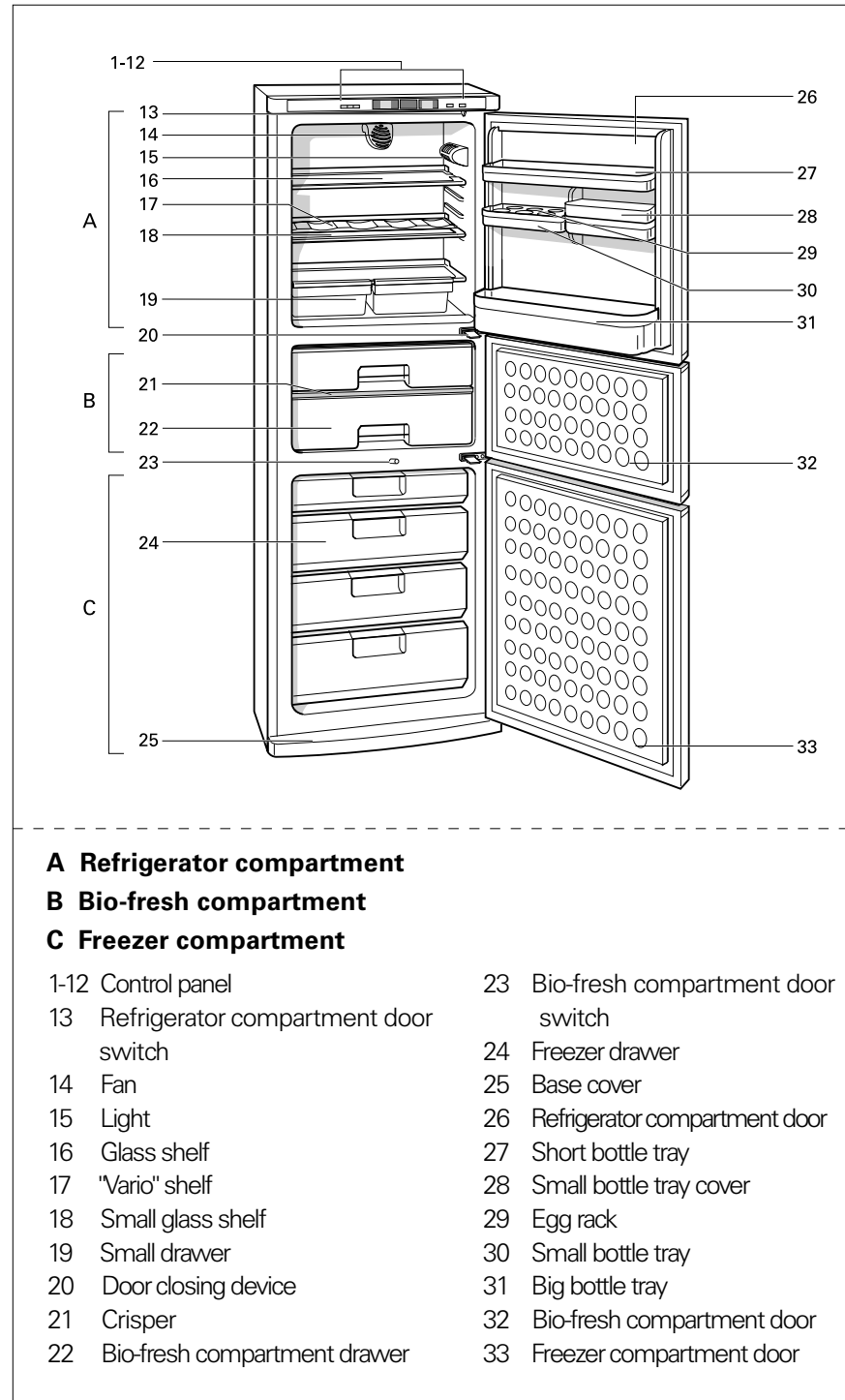
Name of components

■ KK25E28TI



Product presentation

■ KK29E26Ti



Product presentation

Safety precautions

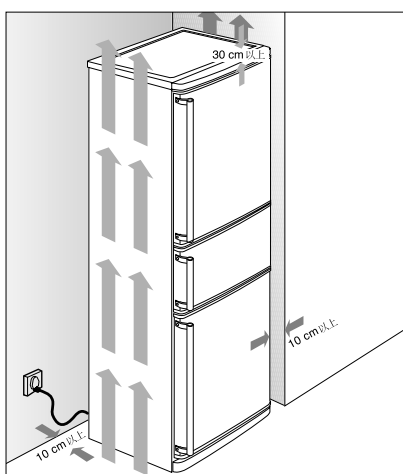
- A separate three-pin power supply socket with grounding wire must be used.
- The power cord must not be squeezed, folded, knotted or damaged. If the power cord has been damaged during handling or installation, immediately contact the nearby customer service to replace the cord. There is the risk of 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.
- It is forbidden to put inflammable or explosive materials, such as alcohol or gasoline in the refrigerator.
- Never put a glass bottle or can containing liquid in the freezer compartment, they may expand and crack or break.
- Do not touch frozen food or metal container in the freezer compartment with wet hands, as the fingers may freeze to the frozen item and cause injuries.
- The refrigerating piping must not be damaged. The refrigerant in the piping can cause serious injury if splashed into the eyes. In case of emergency, immediately wash the eye and go to a hospital for treatment.
- Do not place electrical appliances such as a microwave oven, electrical cooker or stabilizer on the top of the refrigerator.

Product presentation

Handling and placement

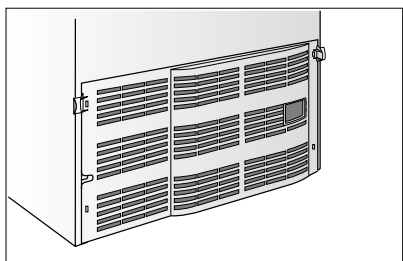
■ Handling

- 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 down or turned upside down.

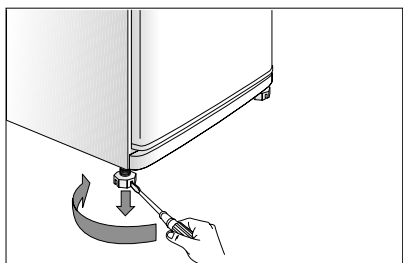


■ Placing

- The refrigerator should be placed in a dry and well ventilated room, with a side and back clearance of 10cm or over, 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

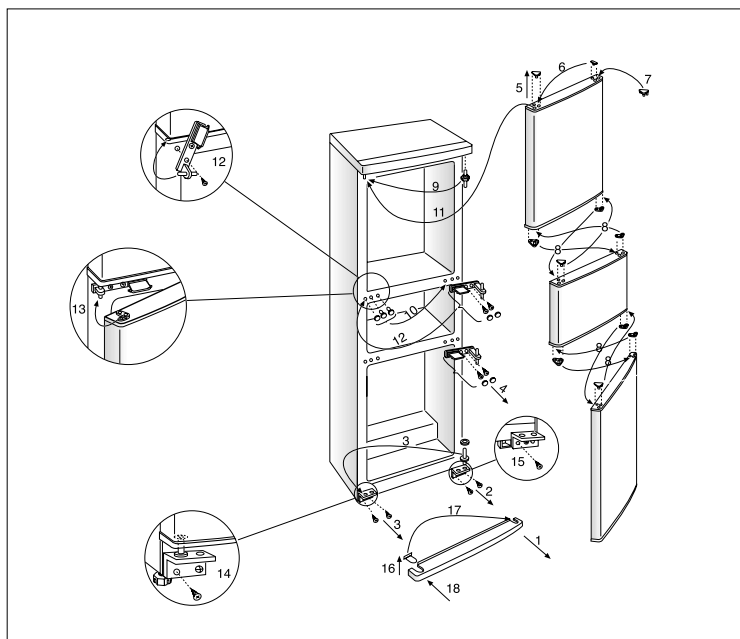
- When the refrigerator is in place, the two front plastic foot screws can be adjusted to a proper height.
- Place the refrigerator in a stable and level position. Adjust the two foot screws with a flat screwdriver, or spanner on the side in the direction shown by the arrow, so that the refrigerator 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.

Product presentation

Altering the door opening directions

If it is necessary to change the door opening direction of the refrigerator, due to the room layout or other reasons, please proceed in the following steps.

Note: The steps and figures shown are for Type KK29E26TI, and they can be referenced for Type KK25E28TI.



- Remove the base cover (1).
- To remove the freezer compartment door (2), remove screw and then the lower right support plate using a spanner, unscrew the shaft on the lower right support plate and screw it into the hole on the left of the lower left support plate, then remove the screw to take off the lower left support plate (3).
- Remove the screw and take off the middle support plate (4), remove the vegetable compartment door and then the refrigerator compartment door using the same method.
- Remove the plastic cover on the left of the refrigerator compartment door top, for use in the next door change (5), and take out the right side plastic cover and insert it into the symmetric hole on the left (6), then remove the right plastic cover from the accessory kit, and fit it into the shaft hole on the right (7).

Product presentation

- Remove the plastic covers from the door body as shown, and insert them into the corresponding holes after the change (8).

- Using a spanner, unscrew the upper bolt shaft, and screw it into the symmetrical hole on the left (9).

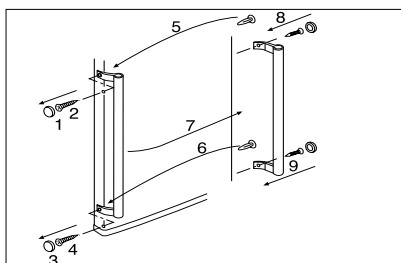
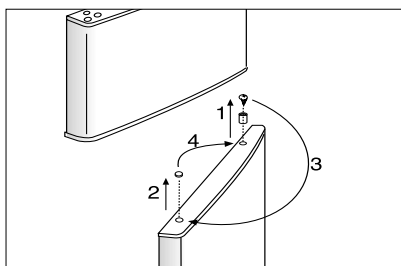
Take off the plastic plug on the body and insert it into the corresponding hole on the right (10).

- Align the left shaft hole of the refrigerator compartment door with the upper bolt shaft, insert it and close the door (11). Align the shaft of the middle support plate from below the refrigerator compartment with its shaft hole, insert it and fix the middle support plate and screw onto the refrigerator body (12), then fit the doors of the vegetable compartment door and the freezer door in the same way (13). Note: for mounting the freezer compartment door, attaching should be made using the left lower support plate (14).

- Fix the lower right support plate onto the body with screws (15), take off the small cover in the left notch of the base cover (16), and insert it into its right notch (17), then fit the base cover (18).

- Move all the rolling shafts on the door side latch to the corresponding positions on the left.

- Shift the door handle to the corresponding position.



Product presentation

Electric connections

- The rated voltage of the refrigerator is 220VAC, 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 are based on the following national standards:

- **GB/T8059.2-1995**
Household refrigerating appliances - Refrigerator-freezer
- **GB4706.1-92**
Safety of household and similar electrical appliances - Part 1: General requirements
- **GB4706.13-1998**
Safety of household and similar electrical appliances - Particular requirements for refrigerators, food-freezers and ice-makers
- **GB12021.2-1999**
The limited value and energy-saving evaluation value of power consumption for household refrigerators.

Operation

Preparation before operation

- Remove all packaging materials, including the bottom foam pad underneath the refrigerator, and pads and 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 "Handling and Placement"
- Clean the refrigerator compartment, bio-fresh compartment and freezer compartment, as well as the outside of the refrigerator, according to the instructions on Page 18.
- Let the refrigerator stand for over 30 minutes before switching on the power supply.

Operation

Functions on control panel

■ Memory and alarm key 1

On the alarm status, the flashing temperature reading shown on screen 7 can be eliminated and the alarm can be stopped by pressing this key. At the same time, screen 7 will display the maximum temperature that freezer compartment has reached, and this display is automatically cleared in 5 seconds.

■ Super freezing key 2

■ Freezer compartment temperature adjustment key 3

■ Super freezing indicator 4

■ Alarm indicator 5

■ Negative sign indicator 6

■ Freezer compartment temperature display screen 7

- It displays the temperature of the freezer compartment without pressing any key.
- It displays the setting temperature of the freezer compartment when key 3 is pressed.
- It can display the maximum temperature the freezer compartment has reached.

Bio-preservation compartment indicator 8

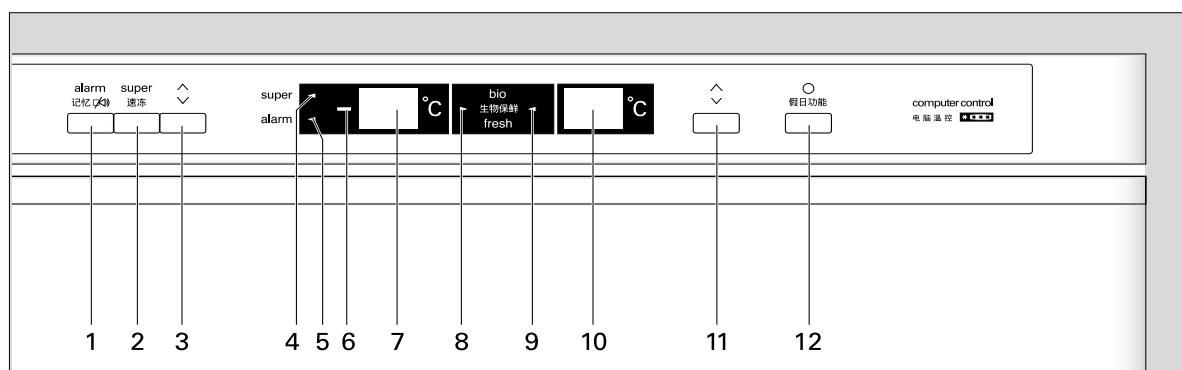
■ Refrigerator compartment indicator 9

■ Refrigerator compartment temperature display screen 10

- It displays the temperature of the refrigerator compartment without pressing any key.
- It displays the setting temperature of refrigerator compartment when key 11 is pressed.

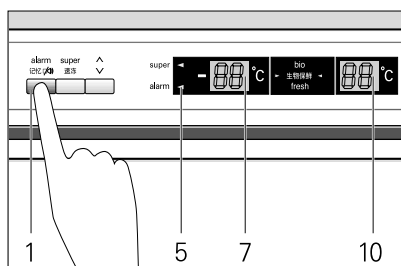
■ Refrigerator compartment temperature adjustment key 11

■ Holiday function key 12



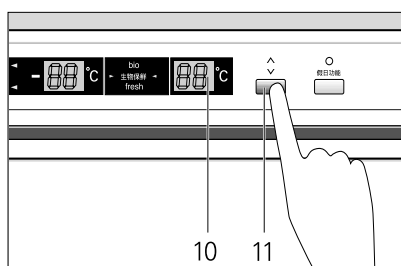
Operation

Switch on and temperature adjustment



Switching on

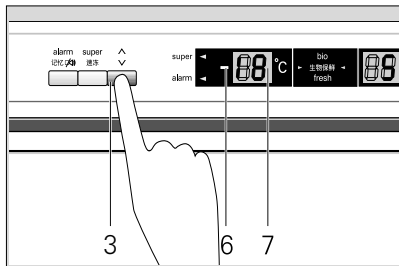
- Insert the power supply plug and switch on the power.
- A buzzer will give an alarm and the alarm indicator 5 will come on. The freezer compartment screen 7 and refrigerator compartment screen 10 will be displayed. Press memory and alarm key 1. The buzzer will be off and the alarm indicator 5 will remain on until the freezer compartment temperature has fallen to -12°C.
- If the temperature in the refrigerator is above 19°C, both the freezer compartment screen 7 and refrigerator compartment screen 10 will display "-", until the inside temperature falls below 19°C, then the corresponding screens will display the temperature in the freezer compartment and refrigerator compartment respectively.
- Both sides of the refrigerator will feel warm several minutes after switching on, indicating that the refrigerating system is running.



Temperature adjustment

- **Refrigerator compartment temperature**
 - Press the refrigerator compartment temperature adjustment key 11, and the refrigerator compartment temperature display screen 10 will indicate the current set value (this temperature is set at 5°C at the factory).
 - Press this key repeatedly. The set temperature will decrease by 1°C for every press of this key. Keep on pressing this key until you get the desired setting temperature for the refrigerator compartment. The temperature setting range is 2°C~11°C.
 - The final set temperature value will be acknowledged and memorized 5 seconds after the key pressing is stopped. Temperature display screen 10 will restore to the current refrigerator compartment temperature.

Operation



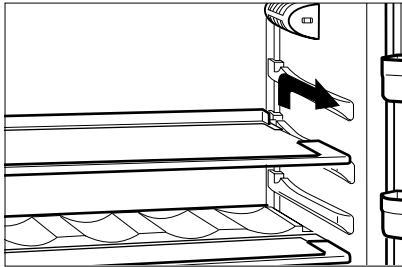
■ Freezer compartment temperature

- Press the freezer compartment temperature adjustment key 3 and the freezer compartment temperature display screen 7 will indicate the current set value (this temperature is set at -18°C at the factory).
- Press this key repeatedly. The set temperature will decrease by 1°C for every press of this key. Keep on pressing this key until you get the desired set value for the freezer compartment. The temperature setting range is -18°C~-24°C.
- The final set temperature value will be acknowledged and memorized 5 seconds after the key pressing is stopped. Temperature display screen 7 will restore to the current freezer compartment temperature.

Operation

Refrigerator compartment

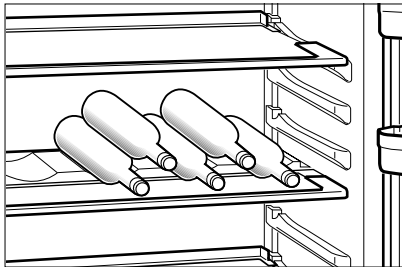
The refrigerator compartment is mainly used for short term storage of food.



Placing of accessories

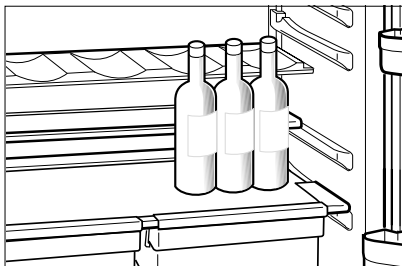
■ Glass shelf in refrigerator compartment

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

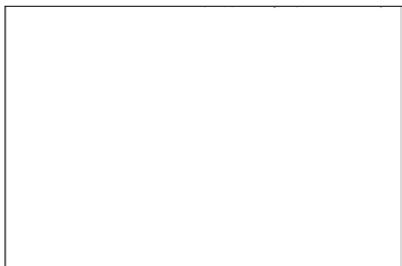


■ "Vario" shelf

- For placing or stacking bottles.

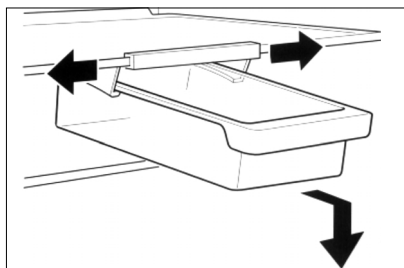


- The front part of the "Vario" shelf is a small glass plate and can be removed, to provide more space for taller items on the shelf below.



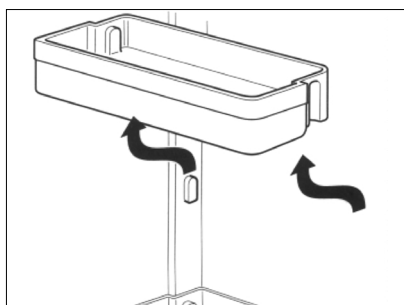
- Turn the "Vario" shelf upside down and it can be used as a large glass shelf with the smaller front glass shelf attached.

Operation



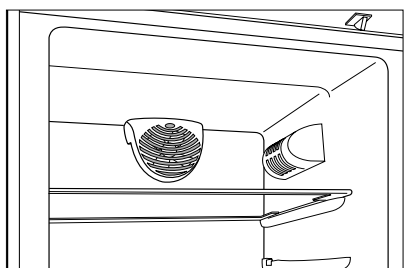
■ Small drawer

The small drawer is suitable for storing cooked food, or food likely to cross smell. It can be moved to the left or right under the shelf and can also be removed to allow placing and removing large items. It can be removed by pulling it out.



■ Bottle tray on door

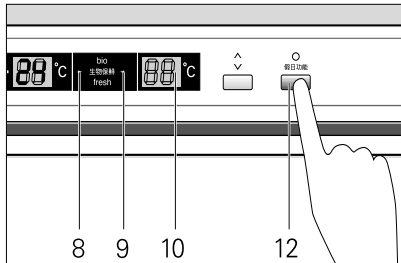
It is used to store eggs, bottled beverages or other items. The trays can be rearranged according to need. The tray can be removed by lifting it up gently.



■ Fan

A 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.

Operation



Holiday function

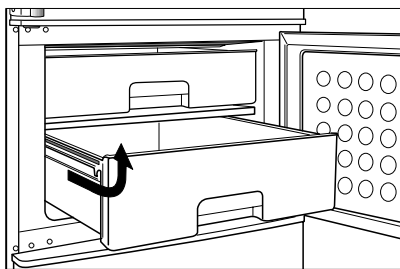
This function can be used to save energy during holiday periods when the compartment is empty.

- Press the holiday function key 12, the display screen 10 will stop display, and indicators 8 and 9 will go off. The refrigerating system of the refrigerator compartment and bio-preservation compartment will be in "sleeping status".
- When the temperature in the refrigerator is above 14°C, the refrigerating system of the refrigerator compartment and bio-preservation compartment will automatically start to operate, until the temperature falls below 14°C. This prevents smells occurring.
- To restart the operation of the refrigerator compartment and bio-preservation compartment, press key 12, and the temperature setting for the refrigerator compartment will be the same as it was before the "stop" and it need not be set again.
- In the holiday function, the freezer compartment will still run normally. The doors of the refrigerator compartment and bio-preservation compartment must be kept closed.

Operation

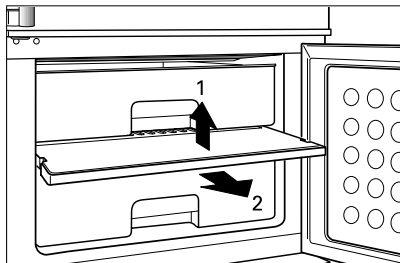
Bio-preservation compartment

The temperature in the bio-preservation compartment is kept close to 0°C and the maximum humidity is maintained. In this environment, the food can be kept fresh two or three times longer than under conventional conditions. It is suitable for storing fresh fish, meal, eggs, milk and fruits and vegetables in low temperature.



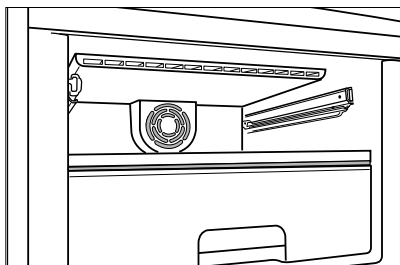
Drawer

- There are two drawers with rails in the bio-preservation compartment that make it ready to place or remove items.
- Meal, fish, milk and eggs can be placed into either drawer.
- The lower drawer is a high-humidity zone, more suitable for storing vegetables, fruits and other foods requiring moisture.



Moisture partition

- To retain the maximum humidity in the drawer. A crisper cover is provided above the lower drawer of the bio-fresh compartment.

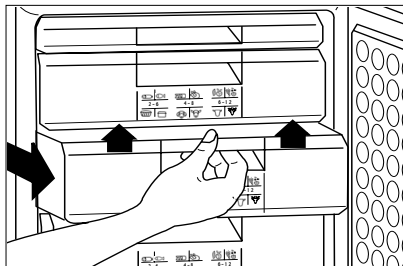


Cool air circulation system

- The bio-preservation compartment is designed with a cool air circulation fan and guiding cover that forces cool air circulation. This enables food to cool quickly and keeps the temperature even throughout the compartment.

Operation

Freezer compartment



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

Accessories and placement of food

- The freezer compartment is provided with drawers. A drawer can be removed by pulling out and lifting it gently.
- The upper small drawer can freeze and store small sized food, such as dumplings and making ice cubes. 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 the food can also be placed directly on the shelves after taking the drawers out.

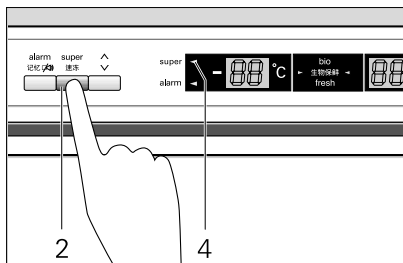
Maximum freezing capacity and super freezing

■ Maximum freezing capacity

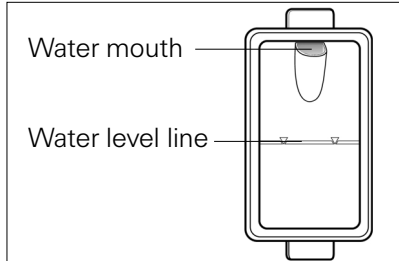
The freezing capacity indicated in the Technical Specification refers to the amount of food that can be frozen at one time under standard conditions within 24 hours (kg/24h) after the Super freezing key is pressed.

■ Super freezing

- This product is provided with the super freezing function to enable fast freezing of fresh food. Press the Super key 2. The super freezing indicator 4 will be on and the refrigerating system in the freezer compartment will run continuously to freeze the food quickly to the temperature required for retaining freshness.
- 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 freezer. After the food has been frozen, the super freezing function will automatically turn off.
- Super freezing is provided with "smart" functions, which will automatically select the super freezing time according to the amount of food being put in. The maximum super freezing time will not exceed 26 hours.
- If it is desired to exit from the super freezing mode before it terminates automatically, just press Super key 2 again, and the super freezing indicator 4 will be off.
- Do not put the fresh food that is to be frozen directly on frozen food.

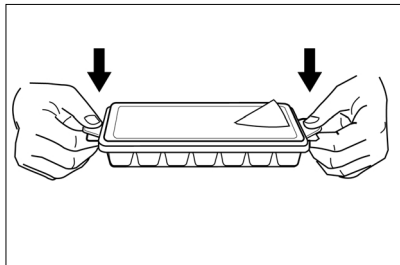


Operation

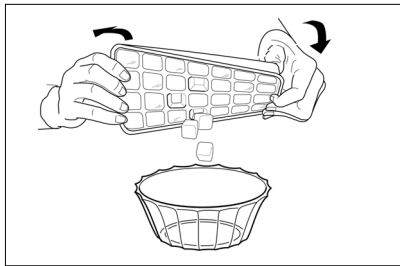


Making ice cubes

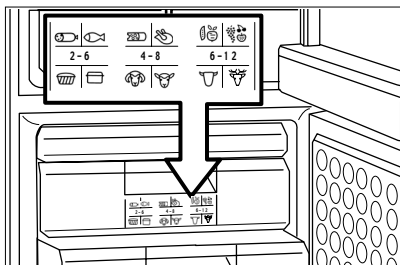
- Pour cool boiled water, or beverage, into the ice-maker until it reaches the marked water level line. Swing gently and put it into the freezer compartment in a horizontal position.



- To remove ice cubes, press the handles on both sides of the ice-maker tray, to remove the cover.



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

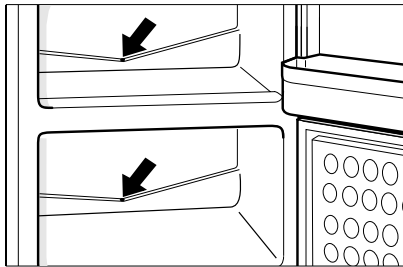


Storage period of frozen food

- On the front of the freezer compartment drawer, there are printed icons of different types of food and the recommended frozen storage (in month) time. Storage periods must be taken into consideration when freezing foods.
- For frozen food preserved at stores, the storage time should be shortened according to the production date and shelf life on the package.

Cleaning and maintenance

Defrosting



Refrigerator compartment and bio-preservation compartment

Defrosting is performed automatically for the refrigerator compartment and bio-preservation compartment, and dew water will go into the drain at the lower back of the refrigerator and flow into dew water tube also at the back of the refrigerator. The water is evaporated by the heat from the compressor.

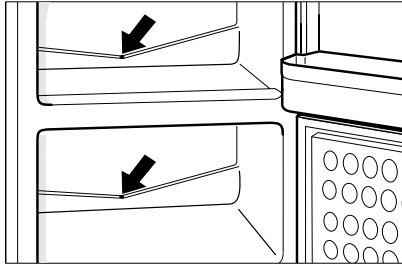
Freezer compartment

Large accumulations 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 frost layer on the evaporator. The freezer compartment should be defrosted at least once or twice a year as following:

- 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, press the Super key and wait for about 4 hours. During this time, food will freeze harder and it can be placed it safely in room temperature.
- During defrosting, the objects in the freezer compartment 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 room temperature, the shorter its self-life storage).
- Make a thorough cleaning of the freezer compartment after defrosting.

Cleaning and maintenance

Cleaning



Precautions for cleaning the refrigerator

- The power supply plug must be unplugged before cleaning.
- Ensure that no water enters the light equipment during cleaning.
- Wash with a soft cloth, lukewarm water, and a mild detergent. Dry with a clean and soft cloth.
- The “drain trough and outlet hole” at the lower part of the refrigerator compartment and bio-fresh compartment should be cleaned frequently to ensure that thawing water can flow out.
- Cleaning agents containing abrasives (such as comet), acids or chemical solvents (such as alcohol), or polishing agents 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 room temperature before being put into the refrigerator.
- Frozen food can be unfrozen in the refrigerator compartment so that it can assist in cooling the refrigerator compartment.
- The refrigerator door should not be opened unnecessarily.

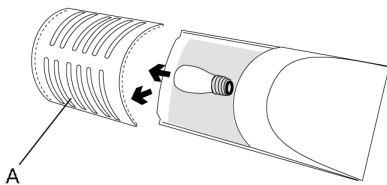
Common problems, simple causes and solutions

Common problems

- **Dew water on external surface of refrigerator**
This may occur when the humidity in the atmosphere is high. Just wipe it dry.
- **Frost on the back in the refrigerator compartment**
The refrigerating piping for the refrigerator compartment is close to the back of the refrigerator compartment container and the temperature here will fall below 0°C. As a result, frosting will form when it is in running. The frost will thaw 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 in running.
- **Water flowing noise in the refrigerator**
This is the noise of the refrigerant flowing in the piping when the refrigerating system is in running.
- **Cracking noise in the refrigerator**
This is resulting from the expansion and contraction of the innerliner and refrigerating piping 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 provided.
- **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 7 to level the refrigerator.
- **Long time operation**
During the summer, when ambient temperatures is high, the compressor will start more frequently and run 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 is 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 food is cooling, the ambient temperatures 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, simple causes and solutions

Simple causes and solutions

Fault	Possible cause	Remedy
No display on screen	The power supply plug is not properly inserted, blown supply fuse, or no power supply	Properly insert the power supply plug, replace the fuse, check if there is a power supply.
Alarm indicator 4 is on, and the buzzer gives an alarm at the same time	Excessive high freezer compartment temperature, which may be caused by: <ul style="list-style-type: none"> ■ Switching on for the first time or after long periods power outage; ■ The freezer compartment door has been kept open for long periods of time; ■ Excessive amounts fresh food placed into the freezer compartment one time. 	<ul style="list-style-type: none"> ■ Cancel the alarm by pressing Key 1. ■ Close the freezer compartment door. ■ Food put into the freezer compartment at one time shall not exceed the maximum freezing capacity of the refrigerator.
The refrigerating system is operating but the refrigerator compartment indicator is not on.	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 and unscrew the bulb in an counter clockwise direction. Replace with a new bulb ■ by screwing it clockwise (25W/ 220V E 14).
The bottom of the refrigerator compartment and/ or bio-preservation compartment is wet or draining water is blocked.	Check the blocked water outlet hole on the dew water tube	Clean the water outlet hole on the trough, refer to "Cleaning" on Page 18.

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

Customer service guarantee (for household use):

We provide guaranteed free service for one year for the whole appliance and for three years for the main components (starting from the purchase date as indicated on the invoice).

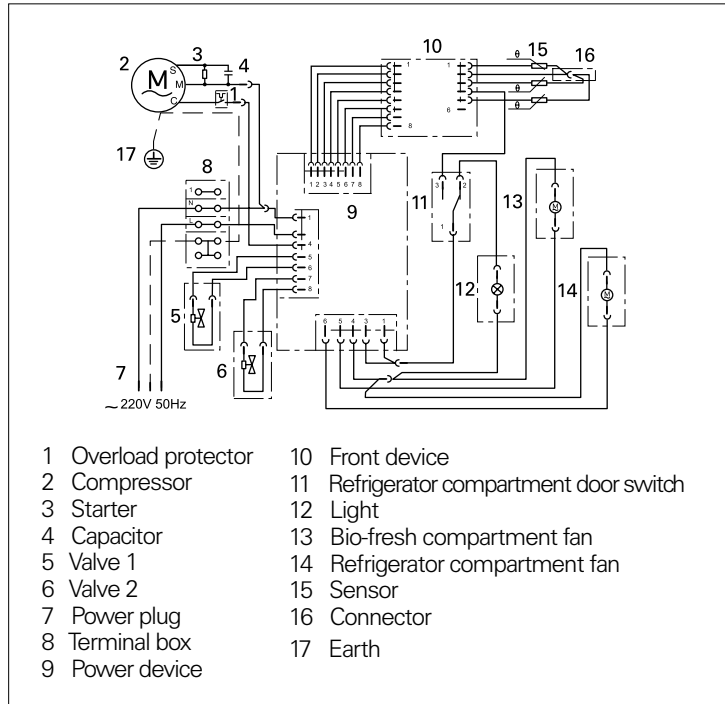
When you need normal inquiry or maintenance, please contact our local customer service center with your invoice.

When making inquiry, or requesting repair service, please state the product code (Product code E-Nr., on the back cover of the instruction manual).

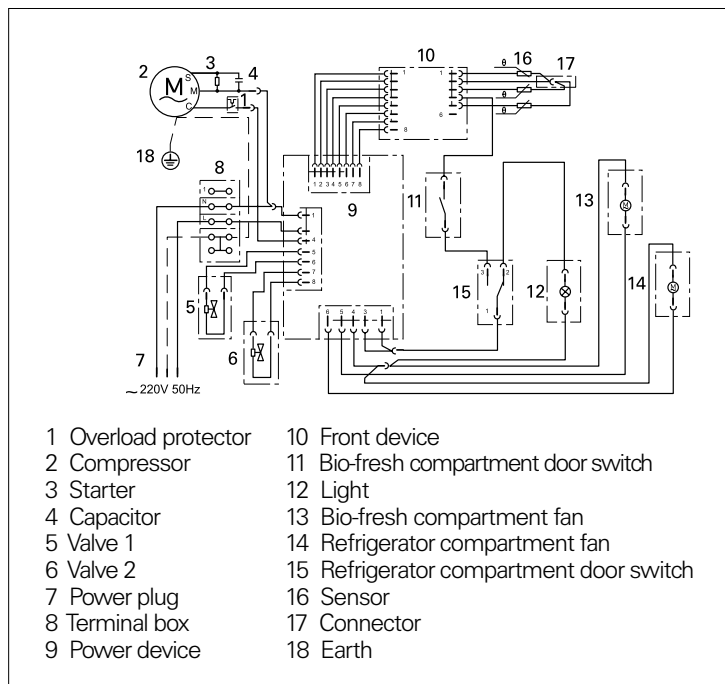
Electrical diagram and technical specification

Electrical diagram

■ Electrical diagram for KK25E28TI



■ Electrical diagram for KK29E26TI



Electrical diagram and technical specification

technical specification

MODEL PARAMETERS	KG25F220/240	KG29F220/240
Climatic type	SN/ST	SN/ST
Star mark	***	***
Total effective volume (L)	245	272
Effective volume of freezer (L)	57	84
Refrigerator compartment effective volume (L)	60	60
Freezer temperature (°C)	≤ -18	≤ -18
Power supply	220V 50Hz	220V 50Hz
Freezing capacity (kg/24h)	18	20
Energy consumption (kW · h/24h)	0.82	0.96
Refrigerant type	R600a	R600a
Filling amount of refrigerant (g)	55	57
External dimensions (mm)	595 X 630 X 1700	595 X 630 X 1850
Input power (W)	105	110
Net weight (kg)	76	84
Model name electrical safety classification	I	I

Packing list

Packing list

<div>Type</div> <div>Description</div>		KG25F220/240	KG29F220/240
Accessories in the case	Safe glass shelf	2	2
	Small glass shelf	1	1
	"Vario" shelf	1	1
	Crisper cover	1	1
	Refrigerator compartment small drawer	2	2
	Bio-preservation compartment drawer	2	2
	Freezer compartment drawer	3	4
	Ice-maker	1	1
Door accessories	Short bottle tray	1	1
	Small bottle tray	2	2
	Small bottle tray cover	1	1
	Large bottle tray	1	1
	Egg rack	2	2
Spare parts	Right plastic cover	1	1
	Plastic plug		1
Printed documents	Instruction manual	1	1
	Customerservice	1	1
	Certificate	1	1

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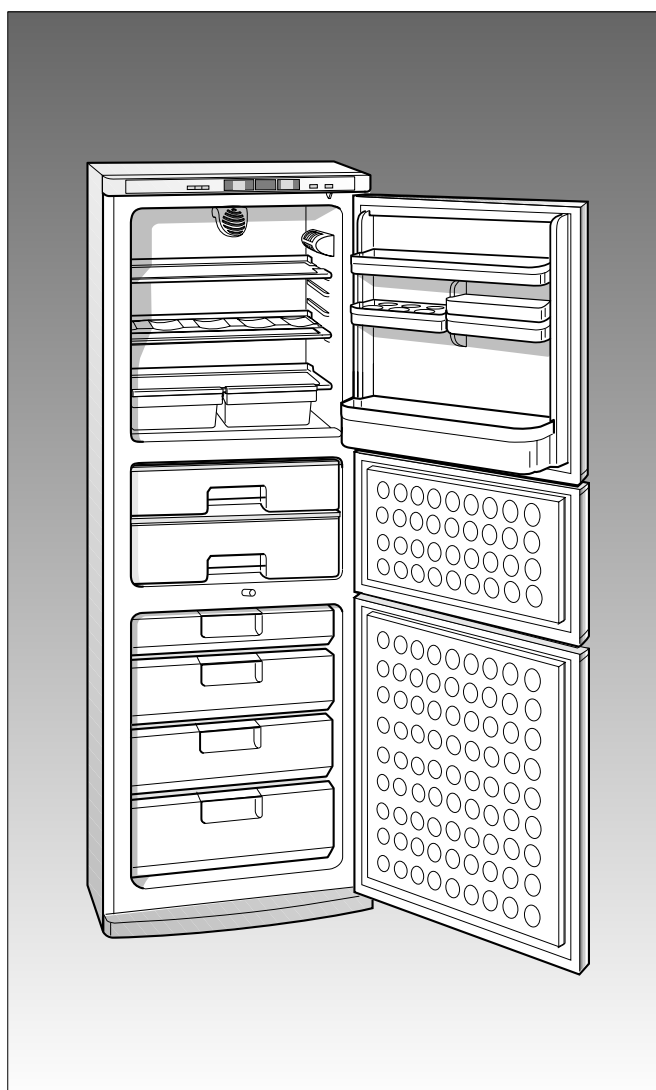
西门子网址: <http://www.siemens-ha.com.cn>
800 免费咨询电话: 8008289828
客户服务电子信箱E-mail: Careline.China@BSHG.com

当您需要服务时请完整地提供下列产品代码(E-Nr.):

E-Nr.

SIEMENS

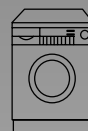
冰箱使用说明书 Operating Instructions



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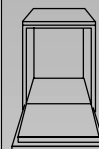
WM



RF



DW



CH

