LG

MODEL: GR-222SBD
GR-252SBD
GR-282SBD

REFRIGERATOR

OPERATION MANUAL

Please read the manual carefully before using the refrigerator. After reading the manual, please keep it for reference when necessary.

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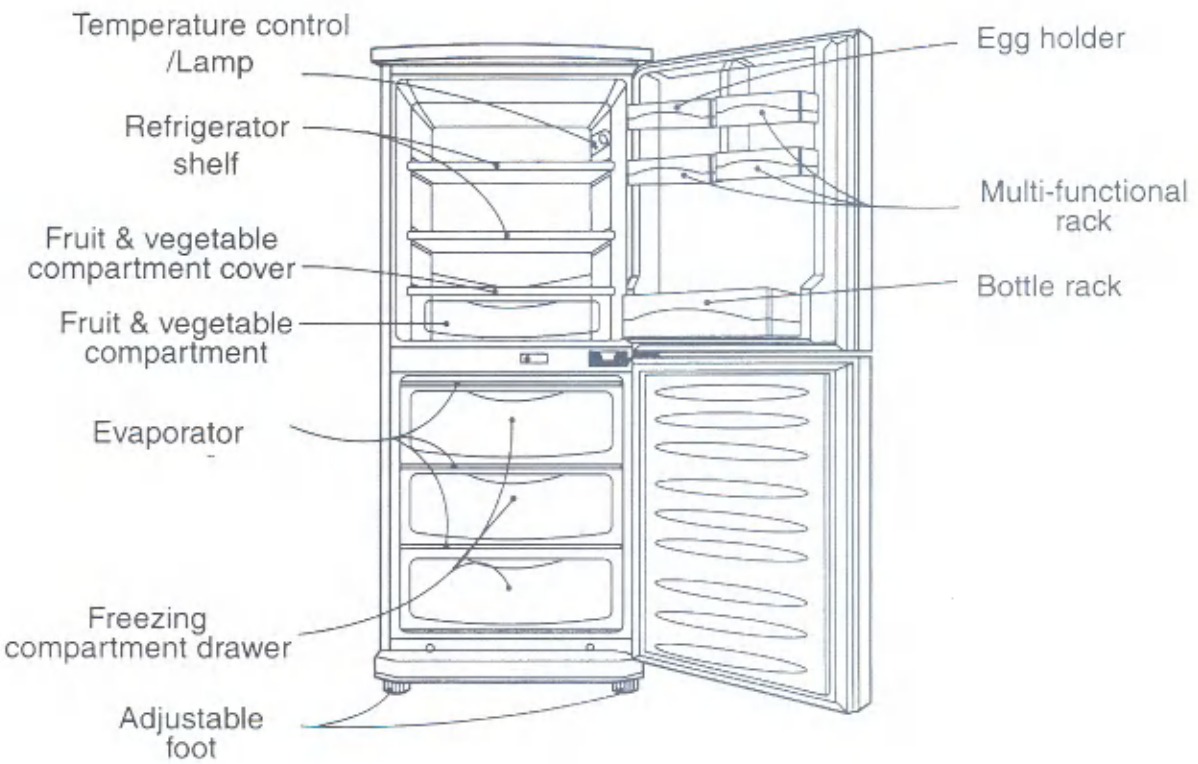
NAME OF PARTS



Note: It's GR – 222SBD shown as the figure above. The other model is a little different.

MOVEMENT & TRANSPORTATION

- **BEFORE TRANSPORTATION**

1. Remove all the food from the refrigerator, secure the spare parts such as the shelves by adhesive tape.
2. Fasten the adjustable foot to the direction.



- **DURING TRANSPORTATON**

1. Hold tightly the adjustable foot at the bottom of the refrigerator and the upper handle at the back.
2. During transportation, please note that the refrigerator should not be tilted.
3. When transporting to a more distant place, the refrigerator should be placed vertically on the vehicle. (Otherwise problem will exist)

Note: Please fasten the adjustable foot to the direction before transportation, otherwise the floor will be scraped or the foot will be blocked from moving.

EARTH CONNECTION

Note: 1. The earth wire of this electrical appliance has been connected to the power plug, please do not change the power plug on your own.

2. Plug you refrigerator into a standard 230 - 240V household outlet, make sure the socket is properly earthed.
3. If you receive an electrical shock by touching any part of the refrigerator, you should stop using the refrigerator immediately and contact the specified maintenance service unit or the retail shop of this product at once.

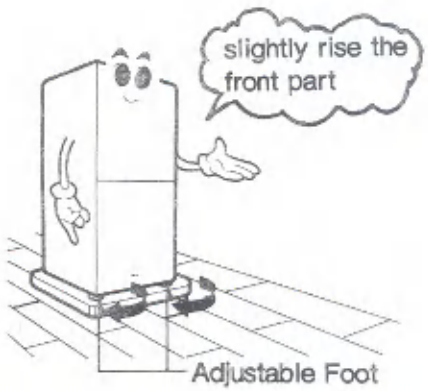
POWER CORD REPLACEMENT

If the supply cord is damaged, it must be replaced by a special cord or assembly from the manufacturer or its service agent.

INSTALLATION

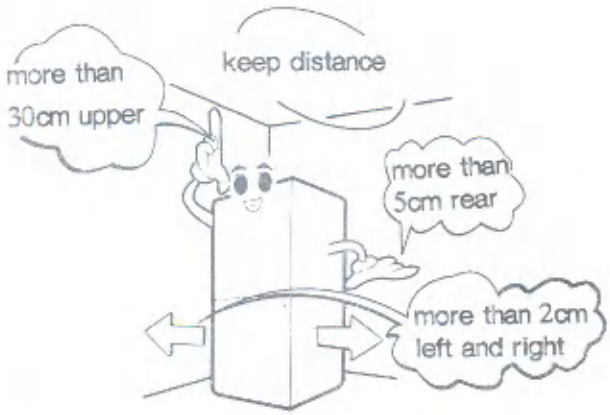
Installing on a firm and flat surface

- Unstable installation is the main reason of vibration and noise.
- When the refrigerator is installed unstably, it can be stabilised by adjusting the adjustable foot.
- Slightly rising the front part of the refrigerator allow you to close the door very easily.
- When installed on a carpet or floor, please put a firm mat under the refrigerator otherwise the bottom part will change colour.



Keep an appropriate distance between the wall

- During installation, the refrigerator should be kept an appropriate distance between the wall.
- A smaller gap will restrict the operation of the refrigerator, which may result in an increase in power.



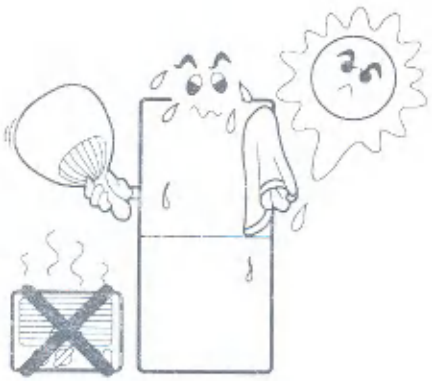
Installing in a less humid environment

- Do not install the refrigerator in a humid place or where water can easily be splashed.
- If the refrigerator is installed in a humid environment, it will go moldy. This will lower insulation property and cause electricity leakage.



Avoid installing near heat and gas

- High temperature will lower the refrigeration and increase the power consumption.
- Installing near gas or smoke will change the surface colour of the refrigerator.

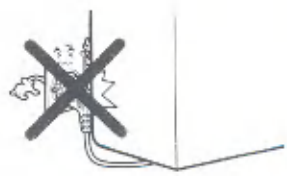


SAFETY GUARDS

- **Please use the exclusive power socket.**
  - If the refrigerator uses the same power socket as other electrical appliances, the socket could be overloaded abnormally and fire may be resulted, which may cause a fire.



- **Please note that the back of the refrigerator should not touch the power plug.**
  - The power plug being pressed could be easily damaged and this may cause fire or electric shock.



- **Plese unplug the refrigerator first before cleaning. Do not do this with wet hands.**
  - This may probably cause electric shock.



- **Please do not store flammable things like ether, benzene, alcohol and liquefied gas in the refrigerator.**
  - Flammable things like ether, benzene, alcohol and liquefied gas may cause fire.



- **Please unplug the refrigerator before changing the light bulb.**
  - Changing the light bulb as the refrigerator is operating may cause an electric shock.



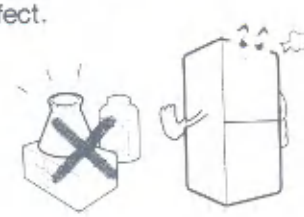
- **Please do not put heavy things on top of the refrigerator.**
  - When you open the door, the heavy things could easily fall down and hurt you.



- **Please do not climb on the door.**
  - The refrigerator could be turned over and hurt small children.



- **Please do not store medicine or academic information in the refrigerator.**
  - Things which require strict temperature control should not be stored in the refrigerator, otherwise they will go bad or produce accidental effect.



SAFETY GUARDS

- **Please keep away from fire**
  - Can cause fire.



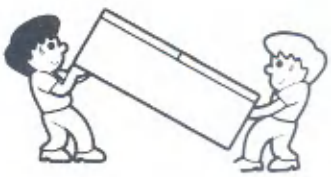
- **Please do not place water container such as vases, glasses, cosmetic or medicine on top of the refrigerator.**
  - Liquid spilt over the refrigerator will reduce the insulation effect, and may cause an electric shock or fire.



- **Please do not install in a humid place or where water can easily be splashed.**
  - This will reduce the insulation effect and may cause an electric shock.



- **During transportation, please hold the adjustable feet at the bottom of the refrigerator and the upper handle at the back.**
  - Otherwise, the refrigerator may fall down.



- **In case of a gas leak, please do not touch the refrigerator and the power socket, you should open the windows and the door for ventilation.**
  - As a spark may cause a explosion and lead to fire.



- **Please do not store bottles in the freezing compartment.**
  - As bottles in the freezing compartment, liquid inside will be frozen and the bottle will break.

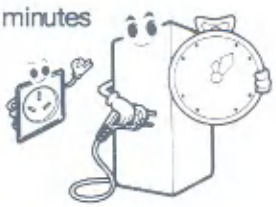


- **Please unplug the refrigerator if it is not to be used for a long time.**
  - Reduced insulation may cause an electric shock or fire.



- **When the refrigerator is unplugged, please wait for five minutes before you plug it again.**
  - Otherwise the compressor will be overloaded.

after 5 minutes



HOW TO USE

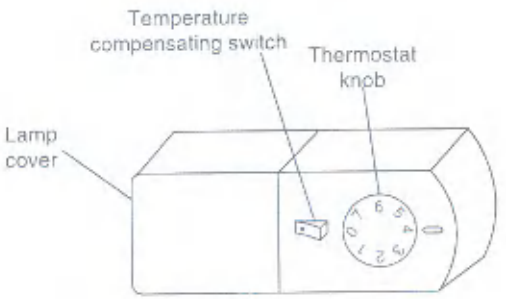
Initial operation

- Clean the inner part of the refrigerator before using.
- Do not put foods into the refrigerator until it has been plugged in for 3 hours.

Temperature control

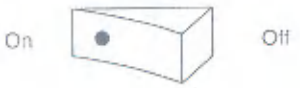
- The thermostat used for controlling the temperature inside the refrigerator is located on the right upside of the refrigerator.
- The figure on the thermostat does not stand for a practical value. The smaller the figure is, the higher the temperature inside the refrigerator is.
- Temperature control

Position	Function
0	Stop
1－2	Warm
3－4	Normal
5－6	Cold
7	Quick freezing



* Temperature compensating switch

Turn the switch to "on" when the ambient temperature is lower than eighteen degrees centigrade, turn the switch to "off" during usual using.



* Power failure

If power failure is known in advance, please

- Turn the thermostat to "7" two hours before power failure.
- Place more ice cubes in the refrigerator compartment.
- Do not place anymore food in the refrigerator.
- Do not open the door more than necessary.

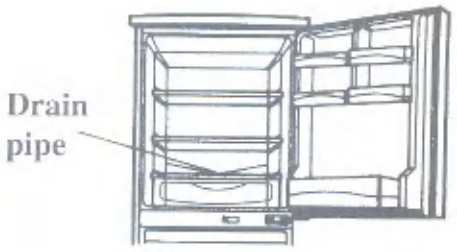
Note:

- Power failure leads to the rising of the freezing compartment's temperature, this may shorten the storage of foods and decline the quality.
- If the power supply is off for too long, be sure to get rid of any water or ice underside the drawer of the freezing compartment before reconnection of the power supply, so as to avoid the foods and the ice freezing together.

HOW TO USE

Defrost

As the refrigerator operates, the moisture from foods or in the air may be frosted on to the inner part of the refrigerator and the surface of evaporator. Too thick frost will affect the operation of the refrigerator, so regularly defrosting is necessary. Usually, defrosting is necessary when the thickness reaches 5mm.



- **Refrigerator compartment**

Defrosts automatically, moisture on the inner side runs into the drip tray through the drain pipe. The heat generated by compressor evaporates the water automatically.

Note:

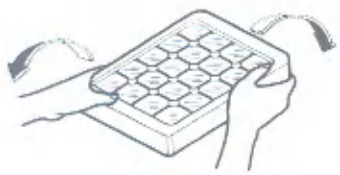
– keep the drain pipe straight so that water can inpour into the drip tray. When it's blocked, take out the drain cover, clean it and then replace it.

- **Freezing compartment**

Before deforsting —turn the thermostat knob to "0", open the door, take out foods and drawers in the freezing compartment, foods may be put into refrigerator compartment temporarily.
Defrosting —remove the frost on the inner side of the freezing compartment and on the surfae of the evaporator with the ice scraper, then wipe off the water with a dry cloth.
After defrost —turn the thermostat knob to the former position.

Ice making

- Fill the ice tray with water to 4/5 of its capacity and place it into the freezing compartment, turn the thermostat knob to "6".
- Twist the both sides of the ice tray so as to remove the ice cubes easily.



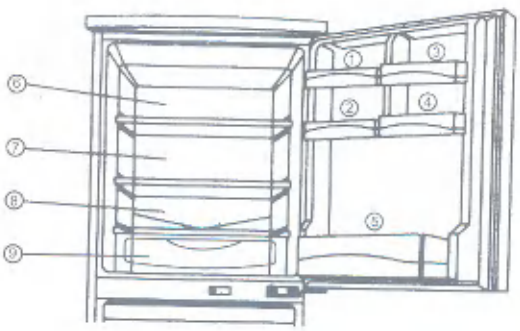
BEST WAYS TO STORE FOOD

Refrigerator compartment

The refrigerator compartment is used to store foods that are not required to be frozen , the storage life is shorter.

The following foods storage position is provided for your feference.

① ② position: egg、butter
③ ④ position: cheese、can、sauce
⑤ position: beverage、bottled food
⑥ position: can、sweetmeat
⑦ position: bread、can、milk
⑧ position: acid milk、sausage、meat、fish
⑨ position: vegetable、fruit



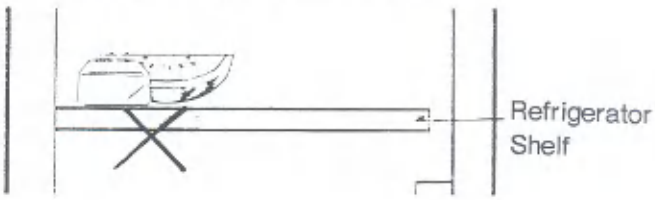
Freezing compartment

The freezing compartment is used to store frozen foods, the storage life is longer.

BEST WAYS TO STORE FOOD

Storing the food

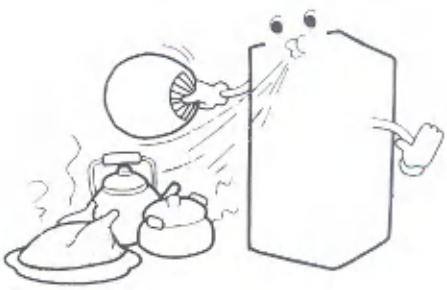
- **Store foods which are easily frozen on the outer position of the refrigerator shelf.**
  - If foods which are easily frozen or contain a lot water are stored on the inner part of the refrigerator shelf, it will be frozen owing to low temperature.



- **Store foods or other things after cleaning and wiping.**
  - Store vegetables and fruits after cleaning and wiping. Packed food like bottle should be stored after wiping to avoid polluting the other foods.



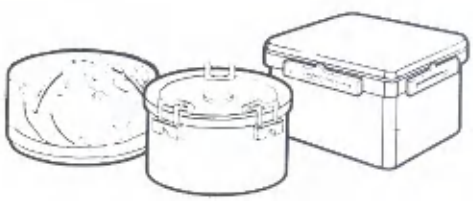
- **Store the heated food after cooling.**
  - Storing the heated food directly in the refrigerator will affect the other foods inside and will also waste the power.



- In the low temperature mode, do not store the food which can easily be rotten for a long time.



- **Store food after packing or putting into tight container.**
  - Packing the food before storing can prevent drying. This can also reduce odour when storing the food for a longer time.

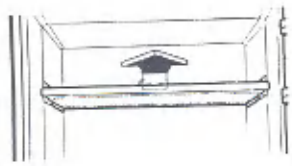


- **Do not store bottles in the Freezing Compartment.**
  - If bottles are stored in the freezing compartment, the liquid inside will be frozen and break the bottle.
  - The volume of liquid such as juice or water should not exceed 80% of the container's volume.

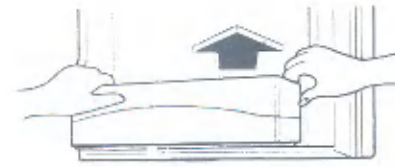


WAYS TO DISASSEMBLE SPARE PARTS

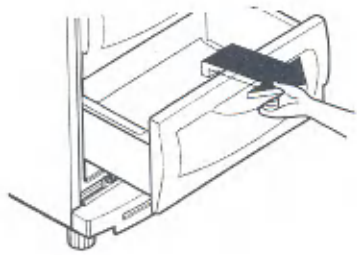
Refrigerator Shelf
Slightly rise the front part of the shelf, then pull outward.



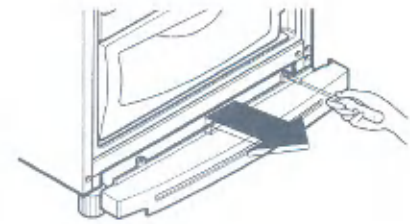
Refrigerating Compartment Door Rack
Grasp both sides, lift upward and then pull outward



Freezing Compartment Drawer
Pull outward. Rise it slightly and then take it out.

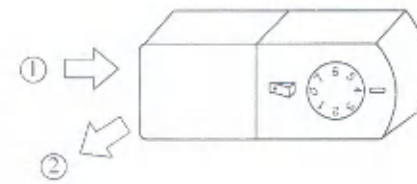


Bottom Cover
Remove the two screws which hold the Bottom Cover, grasp the both sides and then pull outward.



Lamp

- Lamp data: 240V/15W
- Replacement:
  1. Unplug the refrigerator;
  2. Press the backside of the lamp cover(shown as arrow ①), and pull outward (shown as arrow ②)
  3. Remove the faulty lamp and install a new one.
  4. Reload the lamp cover.



CLEANING THE REFRIGERATOR

Before cleaning

– Unplug the refrigerator first to ensure safety.

Cleaning

Shelf and door rack

– These can easily become dirty. The inside of the refrigerator must be kept clean.



Magnetic door seal

– If the door seal is dirty or covered in juice for a long time, the effectiveness of magnetic door seal will be reduced.
Regular cleaning is necessary.



Do not shower the refrigerator with water.

– This will reduce the insulation and cause an electrical shock.



After cleaning please check whether:

– If the wire is damaged.

– If the power plug is overheating.

– If the power plug is inserted properly.



Surface of refrigerator

– Clean it with a soft cloth using a soapy cleanser, then dry with a clean cloth.



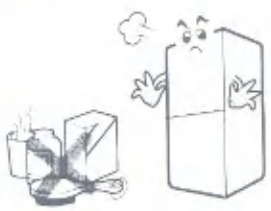
Fruit & Vegetable Compartment

– Water can accumulate in this area. Too much water will rot the food, therefore the compartment should be taken out and cleaned regularly.



Please do not clean the refrigerator with the following things:

– Cleaning powder、petrol、benzene、hydrochloric、boiling water and brush etc. As they will damage the surface of refrigerator. Therefore please do not use them.





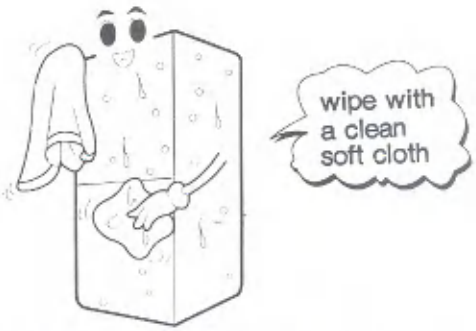
DOES THE REFRIGERATOR HAVE A MALFUNCTION?

If the refrigerator still does not work properly after checking the following tasks, please unplug the refrigerator and immediately contact the specified maintenance service unit or the retail shop of this product.

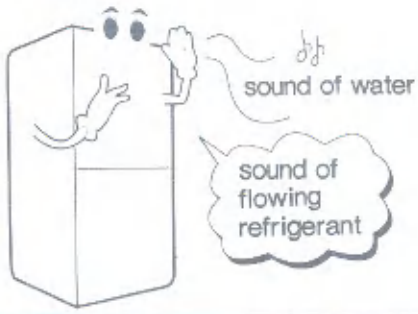
Situation	Please check
The refrigerator does not operate 	➡ Is there a power failure? ➡ Is the power plug inserted into the socket? ➡ Is it 230 – 240V? ➡ Does the thermostat knob turn to position "0"?
Inefficient cooling 	➡ Is the temperature control in the refrigerator compartment turned to too low mode? ➡ Is there any direct sunshine or heaters near by? ➡ Have you put some heated goods directly into the refrigerator? ➡ Have you stored too much food? ➡ Have you frequently opened the door of the refrigerator? ➡ Have you kept an appropriate distance between the refrigerator and the wall?
Food stored in the refrigerator compartment becomes frozen 	➡ Is the temperature control in the refrigerator compartment turned to too high mode? ➡ Have you put the foods against the inner side?
Too much noise, abnormal sound 	➡ Is the floor level and hard enough? ➡ Is the back of refrigerator too close to the wall? ➡ The sound may be louder when the refrigerator starts to work or turn off the power. ➡ Installing on the floor may produce sound.

THIS IS NOT A MALFUNCTION

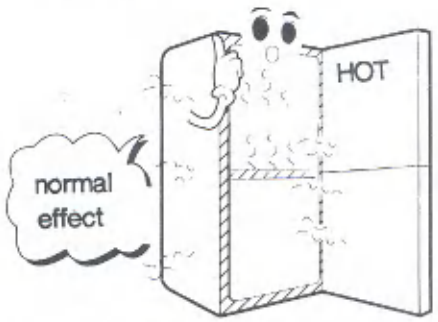
- **The refrigerator dew forming on the surface.**
  - If the refrigerator is installed in a humid environment or if it is raining, there can be dew forming on the surface of the refrigerator. This is because moisture in the air touches the surface of the refrigerator.
  - Please wipe it with a clean soft cloth.



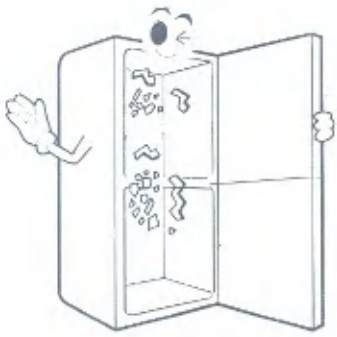
- **Your hear a sound likes flowing water.**
  - It is the sound produced when the compressor stops operating.
  - It is the sound of flowing refrigerant in the freezing system.
  - Sound can be produced by the contraction and expansion of the parts due to temperature changes inside the refrigerator.



- **The surface of refrigerator is warm.**
  - A high temperature pipe which prevents dewing is installed inside the refrigerator. When the refrigerator begins to operate or when it is summer, the surface will become warm. Please do not worry because this is a normal effect.



- **The inner side of refrigerator compartment has dew forming.**
  - This is because the refrigerator is installed in a humid environment or the door is opened too long.
  - Foods with a high water content are not packed well before storing.

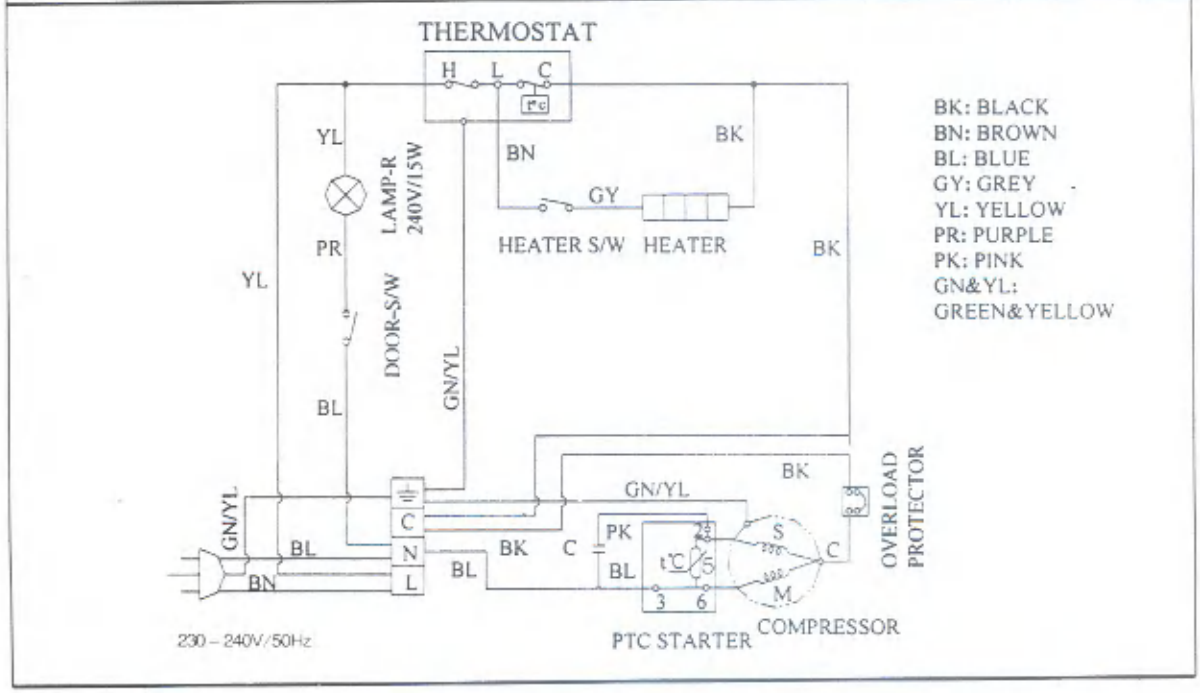


SPECIFICATIONS

MODEL		GR-222SBD	GR-252SBD	GR-282SBD
Climatic Type		ST	ST	ST
Class of Antielectric Shock		I	I	I
Freezing Compartment Grading		****	****	****
ISO Gross Storage	Total Gross Storage(L)	196	213	230
	Freezing Compartment(L)	74	91	91
	Refrigerating Compartment(L)	122	122	139
ISO Storage	Total Storage(L)	159	171	189
	Freezing Compartment(L)	50	62(6)	62(6)
	Refrigerating Compartment(L)	109	109	127
Outside Dimension	Width	550	550	550
	Depth	600	600	600
	Height	1410	1500	1606
Rated Voltage-Frequency(V/Hz)		230-240/50	230-240/50	230-240/50
Rated Input Power(W)		100	100	100
Energy Consumption(kWh/Year)		254	241	270
Freezing Capacity(kg/24h)		3.0	4.5	4.5
Charging of Refrigerant(g)		R134a,130	R134a,150	R134a,140
Net Weight(kg)		52	55	59

* **The upper (6)L is two star part.**

Circuit Diagram



APPENDIX

Appendix		GR-222SBD	GR-252SBD	GR-282SBD
Drawer	Freezing compartment	3 pieces	3 pieces	3 pieces
Shelf	Refrigerator compartment	2 pieces	2 pieces	2 pieces
Bottom cover		1 piece	1 piece	1 piece
Egg holder		1 piece	1 piece	1 piece
Fruit & vegetable compartment		1 piece	1 piece	1 piece
Ice tray		1 piece	1 piece	1 piece
Ice scraper		1 piece	1 piece	1 piece
Operation manual		1	1	1