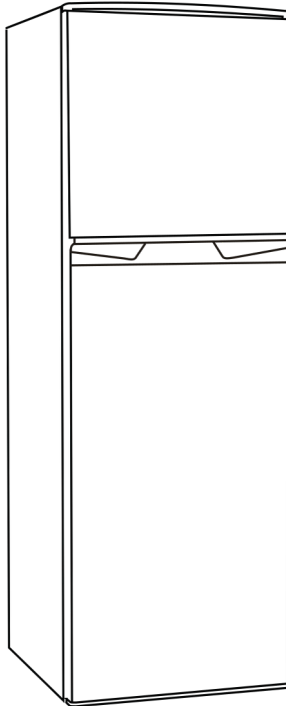




REFRIGERATOR-FREEZER'S MANUAL

Model No.: KN-220



**PLEASE READ THE OPERATION MANUAL BEFORE USING.
KEEP THE MANUAL HANDY FOR FURTHER REFERENCE.**

This manual is a manual in common use of serial products of our company. Do not use for any purpose other than described in this user grade.

This appliance is intended to be used in household and similar applications such as:

- staff kitchen areas in shops, offices and other working environments;
- farm houses;
- by clients in hotels, motels and other residential type environments;
- bed and breakfast type environments;
- areas for communal use in blocks of flats or in launderettes.

IMPORTANT SAFETY INSTRUCTIONS

WARNING	To reduce the risk of fire, electrical shock, or injury when using your refrigerator, follow these basic precautions:
<p>◆ Read all instructions before using the refrigerator.</p> <p>– WARNING: This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.</p> <p>Children should be supervised to ensure that they do not play with the appliance.</p> <p>– WARNING: Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.</p> <p>– WARNING: Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.</p> <p>– WARNING: Do not damage the refrigerant circuit.</p> <p>– WARNING: Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.</p> <p>◆ Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.</p> <p>– WARNING: When positioning the appliance, ensure the supply cord is</p>	

not trapped or damaged.

– **WARNING:** Do not locate multiple portable socket-outlets or portable power supplies at the rear of the appliance.



WARNING: RISK OF FIRE / FLAMMABLE MATERIALS!

◆ **DANGER: Risk of child entrapment.**

◆ This appliance should not be used by children aged 8 years and above or persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge unless they are supervised or instructed concerning use of the appliance in a safe way and they understand the hazards involved.

◆ Children should be supervised to ensure that they do not play with the appliance.

◆ Cleaning and user maintenance must not be performed by children without supervision. Children aged from 3 to 8 years are allowed to load and unload refrigerating appliances.

◆ To avoid the possibility of child entrapment; please take the following precautions before disposing of the refrigerator.

- Remove all doors from the unit.

- Leave the shelves in place so that children cannot easily climb inside.

◆ This appliance is intended to be used in household and similar situations such as

- Staff kitchen areas in shops, offices and other working environments;

- Farm houses and by clients in hotels, motels and other residential-type environments;

- Bed-and-breakfast environments;

- Catering and similar non-retail applications.

◆ This refrigerating appliance is intended to be used at ambient temperatures ranging from 18 °C to 38 °C;

◆ This refrigerating appliance is not intended to be used as a built-in appliance.

-Save these instructions-

WARNING

This refrigerator should be properly grounded for your safety. The power cord of this refrigerator is equipped with a three-prong plug which is compatible with standard three-prong wall outlets to minimise the possibility of electrical shock.

This refrigerator requires a standard 110V/60Hz electrical outlet with three-prong grounded socket.

Do not, under any circumstances, cut or remove the third ground prong from the power cord supplied.

Improper use of the grounded plug can result in the risk of electrical shock.

This refrigerator is not designed to be used with an inverter.

The cord should be secured behind the refrigerator and not left exposed or dangling, so as to prevent accidental injury.

Never unplug the refrigerator by pulling the power cord. Always grip the plug firmly and pull straight out from the socket.

Do not use an extension cable with this appliance. If the power cord is too short, have a qualified electrician or service technician install an outlet near the appliance. Use of an extension cord can negatively affect the performance of the unit.

– **WARNING: If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.**

Cautions

◆ All package of the refrigerator must be removed before application.

◆ A single tri-pin plug must be earthed with a 5A fuse.

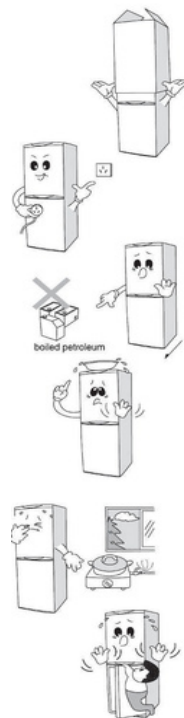
No earthing through pipes, telephone wires or gas pipes.

Using improper voltage may result in damage to the appliance and possible injury to the user. Correct voltage is listed on the rating label, beyond which a manostat 300W or more should be installed depending on situations.

No application of disqualified plugs or socket.

To avoid damage to the vital part, wait at least 5 minutes before replugging after a power cut.

◆ No toxic, inflammable, explosive objects and caustic objects (propane lighter gas, glue, petroleum, alcohol, toluol and so on).



◆ Keep the refrigerator body from water and don't put containers with water on the top cover to avoid electric shock or fire.

◆ Shut off the valve immediately and open the windows for ventilation in case of gas release. The refrigerator plug must not be touched to avoid an explosion.

◆ To avoid the refrigerator slant down or other accidents, please don't pull the refrigerator door violently, or let kids hang on the door or play inside.

◆ The appliance is not intended for use by young children or inform person without supervision.

◆ Power cut
Open the door as few as possible.
Don't put any food into the refrigerator any more.

◆ When stop applications for quite a long time.
Refrigerators should be used consecutively. To avoid affecting the service life, the refrigerator should be kept on operating even if there's no food preserved.

Unplug the refrigerator when out of work for quite a long time, so as to avoid electric shock or fire caused by insulation aging.

Dry the inside with tablecloth. Dispose the refrigerator in a ventilate place after air-drying.

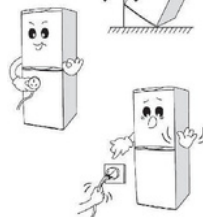
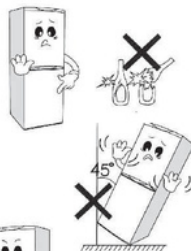
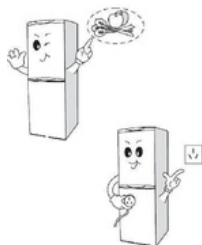
◆ Please move the plug away from the socket if you do not use it for quite a long time.

◆ Do not place bottles in the freezer, to avoid split for being frozen.

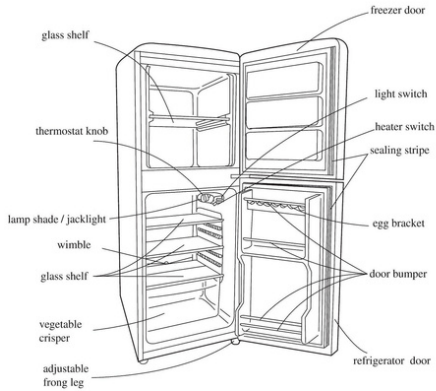
◆ Be careful when move the refrigerator.
Please refer to the related instructions in the book.

◆ Hold the plug instead of the wire when move away the plug.

◆ Do not switch or plug the refrigerator with wet hands.



Name of accessories



Caution:

The accessories vary from type to type. Please refer to the packing list for details.

Before Application

■ Preparations

- Unwrap all the package accessories, including the pedestal, plastic stuffing and some adhesive tapes.
- Check accessories and documents detailed on the loading sheet.
- Place the refrigerator properly (Refer to this manual content).
- clean the inside of the refrigerator (Refer to this manual content).
- Open the doors and wait till the temperature inside and out of the refrigerator becomes the same.

■ Trial

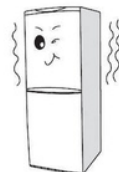
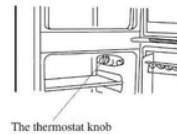
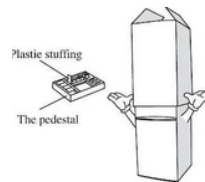
The refrigerator is about to work once you plug and turn the thermostat knob to any setting in the range of 1 to 7.

Both sideboards of the refrigerator will become warm when the door is closed for several minutes. It shows the refrigeration works well if the temperature towers obviously inside after being electrified for a while.

Notice:

Do not open the doors before absolute refrigeration during first application (about 2 hours in winter while 5 hours in summer as usual).

There may be some noise during the refrigeration, which will



diminish when refrigeration ends.

■ About thermostat

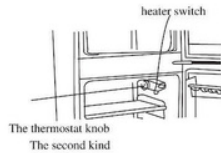
Thermostat knob can adjust the temperatures in the refrigerator.

There are severing settings marked 1-7 respectively, which means refrigeration instead of specific temperatures. "0" stands for "Stop", "7", may lead to a consecutive operation occasionally.

The smaller number, the higher the temperature in the refrigerator, vice versa.

Consumers can adjust the thermostat knob according to their specific needs. The knob can be switched to the middle setting in everyday life.

Caution: The '7' setting is applicable to quick freeze or preserve large amount of food. Switch to the usual setting after quick freezing to avoid spoiling the food.



■ About heater

When the temperature of environment is lower than 10 °C, should turn on the heater, make the refrigerator can start or shut down normally under the low temperature, guarantee the temperature in the refrigerator is normal. Other wise it may be too high to store in the refrigerator, unsuitable pass to preserve the food for a long time.

Before Application

■ About Preservation

To avoid stink or dehydration, wrap the food with plastic film or seal the food in containers and lay them evenly on the shelves.



Put the fruits and vegetables into the vegetable crisper to keep them fresh.



Don't put the hot food into the refrigerator until it becomes.



Don't put the food in glass or sealed containers into the free otherwise the glass container may get split as being frozen.



To avoid cold air leak, don't open the door too often or too long.

Keep some room among the foods is good for food preservation.



The thawing food can't be refrozen; it must be eaten as soon as possible.

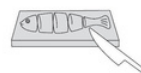
It's better to wash and dry groceries before preservation.



The food kept too long in the refrigerator will taste less original. Spoiled and stink food must not be kept any longer.



Divide the food into proper pieces for freezing and thawing according to your need.



Clean regularly surfaces that can come in contact with food and accessible drainage systems.

Store raw meat and fish in suitable containers in the refrigerator, so that it is not in contact with or drip onto other food.

If the refrigerating appliance is left empty for long periods, switch off, defrost, clean, dry, and leave the door open to prevent mould developing within the appliance.

The temperature inside can be lower if take out the drip tray during performance testing.

Application

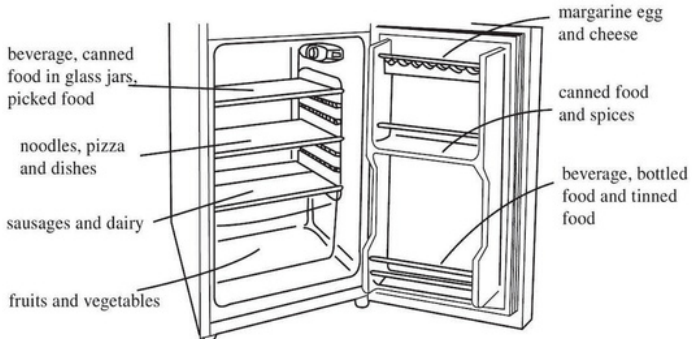
Set the temperature range and store food according to the instructions, otherwise the stored food may deteriorate quickly.

■ Refrigerator

The temperature in the refrigerator is some 0°C-10°C, which is applicable to preserve food, such as vegetables and fruits, for a short period.

Optimize the preservation and make full use of the space by sorting the food.

Sorting sample:



■ Freezer

The temperature is less than -18°C in the freezer, which is applicable to preserve food need to be kept for a long period, such as meat and fish. Glass items contained liquid cannot be kept in the freezer.

Limit the food reserved in the range of the freezing capacity.

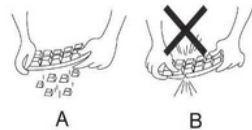
Caution:

Keep the following things out of the freezer-carbonating beverage and instant cold pack in the market (such as ammonium-nitrate and carbamide).

■ Ice-making

Drop cold boiled water or beverage into cleaned ice tray until it reaches 80 per of the tray. Then put the tray into the freezer.

Bend the tray a little (as A), avoid spoiling ice tray with over strength (as B).



Maintenance

■ About Cleaning

Clean the refrigerator every month.

Unplug the refrigerator first (The refrigerator mustn't be plugged within five minutes once being unplugged so as to avoid malfunctions).

Then wipe the refrigerator with a towel soaked in warm water or dilute neutral detergent and dry it.



Caution:

The following products are forbidden to cleanse the refrigerator such as (faint) alkali detergent, bur powder, boiled petroleum, alcohol, benzene, caustic detergent, nylon brush and banana oil, so as not to damage the doped or plastic surface.

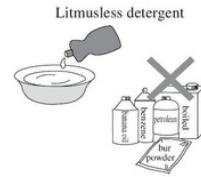
Cleanse the cooking oil or soy sauce spots instantly so as not to spoil the plastic parts.

Once the door gasket gets stained, wipe them off as soon as possible to avoid the malfunctions such as inefficient seal or leaking of cold air.

Check the plug after cleaning

Are the wire and plug damaged?

Has the refrigerator plugged?



■ About Defrosting

When there's a layer of frost on the surface of the freezer.

Unplugged the refrigerator and take the food out to a cool place.

Wipe up the water with dry dishcloth.

Plug the refrigerator and begin to refrigeration.

Warming:

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

■ Applications and disassembly of the accessories

Glass shelves in the freezer.

The shelves can be adjusted in accordance with the dimensions of various things need to be preserved.

Dissemble it by pulling outward.

Vegetable Crisper

Vegetable Crisper is applicable for preserving fruits and groceries.

Dissemble it by pulling outward.

Freezer drawers or shelves

Freezer drawers are applicable for preserving food need to be kept for a long period, such as meat and fish.

Dissemble drawers drawing outward and lifting.

Dissemble shelves by pulling outward.

Door bumper and egg bracket

Door bumper and egg bracket are applicable for preserving eggs and bottled beverage and such minor things,

Disassemble them by lifting upward.

■ Wimble

When the leaking water outlet to stop up, please clear up the incidental in charge of the mouth in time by wimble.

Keep the leaking water outlet expedite.

■ About placement

Ventilative

Keep away from insulation or heat.

Keep away from moist or place ea with water, so as to avoid electricity malfunctions.

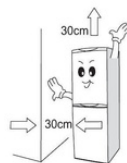
Keep some room around the refrigerator. Keep at least 30cm between the wall and each side of the refrigerator.

Keep away from caustic and toxic gas.

The appliance must be positioned so that the plug is accessible.

Avoid lengthening or twisting the wire at will or putting the wire close to the compressor on the back of the refrigerator.

Avoid putting the refrigerator or other heavy objects on the wire, so as not to cause danger by damaging the wire.



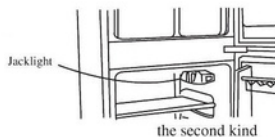
Warning:

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

Cautions

■ Replacing jacklight

Lamp can not be replaced by user, if the lamp is damaged, it must be replaced by manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.



■ Conveyance

Take the food out of the refrigerator and empty the ice from the ice tray.

Remove the compressor baffle on the back of the refrigerator, take out the water tray on the top of the compressor and empty the water.

■ Unplug

It's forbidden to grasp the door, the top or the valves while move the refrigerator.

Violent installing and dismantling, over-slanting, insulation, snow or rain are forbidden during conveyance to avoid malfunctions.

The slant-angle should be kept less than 45 degrees.

There should be more than two people to convey.

Self-check before repairing

■ The refrigerator does not work

Does the plug connect jack well?

Does the power source work well?

Does the thermostat knob point at the 'stop' setting?

Whether the refrigerator replugged in less than five minutes?

■ Food are frozen in the refrigerator

Whether the thermostat setting too high?

Does the food preserved touch the refrigeration source on the back?

Whether the food preserved too watery?

■ Compressor works consecutively?

Is the door closed absolutely?

Is there a heat source near the refrigerator'?

Are the foods too close to each other for the cold air to circulate?

Is there any hot food in the refrigerator?

■ Temperature of preserved food not ideal

Are there too many foods preserved?

Is the door not closed absolutely or opened frequently?

Is the thermostat set to a setting too low?

■ Annoying noise

Has the package been removed?

Is the refrigerator laid evenly?

Is the refrigerator placed against the wall?

Are the adjustable front-legs loose?

■ Get numb when touch the refrigerator

Does the grounding work well?

If you still feel numb while the refrigerator grounded, please unplug instantly and cont post-service Dep.

■ The refrigerator dissipates hits all over

On both sides of the refrigerator are expansion valves, which dissipates heat during refrigeration

No need to worry about it.

Cautions:

If the refrigerator is abnormal after these checks, please contact Post-service Dep. Or local authorized maintenance department.

Technique Index

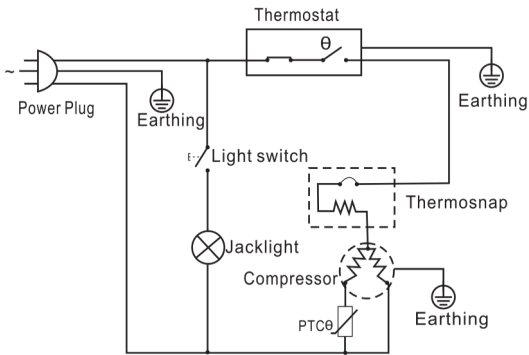
Model	KN-220
Climate Type	ST
Total Volume (L)	225
Volume Freezer (L)	51
Volume Fridge (L)	174
Freezing Capacity(kg/24h)	2.5
Overall Dimension(mm) (Width Depth Height)	523*541*1442
Rating Voltage (V)	110~
Rating Frequency (Hz)	60
Rated Current (A)	1.2
Power Consumption(kW·h/24h)	0.99
Electric-shock Proof	I
Refrigerant	R600a
Refrigerant Weight (g)	46
Noise dB (A)	40
Weight (kg)	34

Notice: The technique indexes in the form are tested under standard situation. If there's any alteration, please refer to nameplate of the refrigerator: Forgive us giving no other notice.

Loading Sheet

Model	KN-220
Vegetable crisper	1
shelf	4
Ice Tray	1
Door Bumper	3
Instructions	1

Circuit Illustration



Correct disposal of this product:



To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.