

Frost-free Refrigerator Operating Instructions

P445BFB P445BFW P445BFS P445BFN P445BFC P445BFG

[■]Please carefully read the operation instructions before powering on, and keep them safe for future reference.

[■]The products may subject to changes without notice.

Contents

Congratulations on purchasing this TCL refrigerator. We hereby express our thanks.

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- 1. 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. Children should be supervised to ensure that they do not play with the appliance.
- 2. 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.
- 3. This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- 4. WARNING: Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.
- 5.WARNING: Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- 6. WARNING: Do not damage the refrigerant circuit.
- 7. WARNING: Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.
- 8.Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- 9. 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 and by clients in hotels, motels and other residential type environments;
- Bed and breakfast type environments;
- Catering and similar non-retail applications.



In the interest of your safety and to ensure the correct use, before installing and first using the appliance, read this user manual carefully, including its hints and warnings. To avoid unnecessary mistakes and accidents, it is important to ensure that all people using the appliance are thoroughly familiar with its operation and safety features. Save these instructions and make sure that they remain with the appliance if it is moved or sold, so that everyone using it through its life will be properly informed on appliance use and safety.

For the safety of life and property keep the precautions of these user's instructions as the manufacturer is not responsible for damages caused by omission.

Children and vulnerable people safety

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given super vision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children should be supervised to ensure that they do not play with the appliance.
- Cleaning and user maintenance shall not be made by children unless they are aged from 8 years and above and supervised.
- Keep all packaging well away from children. There is risk of suffocation.
- If you are discarding the appliance pull the plug out of the socket, cut
 the connection cable (as close to the appliance as you can) and
 remove the door to prevent playing children to suffer electric shock or
 to close themselves into it.
- If this appliance featuring magnetic door seals is to replace an older appliance having a spring lock (latch) on the door or lid, be sure to make that spring lack unusable before you discard the old appliance. This will prevent it from becoming a death trap for a child.

General safety

- **WARNING!** Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.
- **(I)WARNING!** Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- !WARNING! Do not damage the refrigerant circuit.



⚠ Safetv information

- **WARNING!** Do not use other electrical appliances (such as ice cream makers) inside of refrigerating appliances, unless they are approved for this purpose by the manufacture.
- · Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- The refrigerant isobutane (R600a) is contained within the refrigerant circuit of the appliance, a natural gas with a high level of environmental compatibility, which is nevertheless flammable.
- During transportation and installation of the appliance, be certain that none of the components of the refrigerant circuit become damaged.
 - In case of leakage of any flammable gas such as natural gas, it is necessary to close the leaking valve first and the open windows for ventilation. Do not unplug the refrigerator connector immediately to prevent the risk of fire of explosion due to an electric spark. -It is dangerous to alter the specifications or modify this product in
 - any way. Any damage to the cord may cause a short circuit, fire and/ or electric shock.
- 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 and by clients in hotels, motels and other residential type environments;
 - bed and breakfast type environments;
 - catering and similar non-retail applications.
- **NARNING!** All servicing must be carried out by an authorised service agent in order to not void the warranty.
- **NARNING!** Please check the power cord regularly, if the power cord is damaged it must be replaced by the manufacturer, its service agent or similarly qualified person





Risk of fire/flammable materials

/\WARNING! Do not place multiple portable socket outlets (power boards) or power supplies at the rear of the appliance.

⚠ Safety information

- Power cord must not be lengthened.
- A WARNING! When positioning the appliance ensure the supply cord is not trapped or damaged. A squashed or damaged power plug may overheat and cause a fire.
- Make sure that you have easy access to the mains plug of the appliance.
- · Do not pull the mains cable.
- If the power plug socket is loose, do not insert the power plug. There is a risk of electric shock or fire.
- This appliance is heavy. Care should be taken when moving it.
- Do not remove nor touch items from the freezer compartment if you hands are damp/wet, as this could cause skin abrasions or frost/freezer burns.
- Avoid prolonged exposure of the appliance to direct sunlight.

Daily use

- Do not put hot items on the plastic parts in the appliance.
- Do not place food products directly against the rear wall.
- Frozen food must not be re-frozen once it has been thawed out.¹⁾
- · Store pre-packed frozen food in accordance with the frozen food manufacture's instructions.1)
- Appliance's manufactures storage recommendations should be strictly adhered to. Refer to relevant instructions.
- Do not place carbonated of fizzy drinks in the freezer compartment as it creates pressure on the container, which may cause it to explode, resulting in damage to the appliance.1)
- Ice lollies can cause frost burns if consumed straight from the appliance.

Care and cleaning

- Before maintenance, switch off the appliance and disconnect the mains plug from the mains socket.
- Do not clean the appliance with metal objects.
- Do not use sharp objects to remove frost from the appliance. Use a plastic scraper.13
- Regularly examine the drain in the refrigerator for defrosted water. If necessary, clean the drain. If the drain is blocked, water will collect in te bottom of the appliance.2)

⚠ Safety information

Installation

Important! For electrical connection carefully follow the instructions given in specific paragraphs.

- Unpack the appliance and check if there are damages on it. Do not connect the appliance if it is damaged. Report possible damages immediately to the place you bought it. In that case retain packing.
- It is advisable to wait at least four hours before connecting the appliance to allow the oil to flow back in the compressor.
- Adequate air circulation should be around the appliance, lacking this leads to overheating. To achieve sufficient ventilation follow the instructions relevant to installation.
- Wherever possible the spacers of the product should be against a wall to avoid touching or catching warm parts (compressor, condenser) to prevent possible burn.
- The appliance must not be located close to radiators or cookers.
- Make sure that the mains plug is accessible after the installation of the appliance.

Service

- Any electrical work required to do the servicing of the appliance should be carried out by a qualified electrician or competent person.
- This product must be serviced by an authorized Service Center, and only genuine spare parts must be used. Please refer to the warranty card for further information.
- In Queensland Australia the Authorized Service Provider MUST hold a Gas Work Authorization for hydrocarbon refrigerants to carry out servicing or repairs which involve the removal of covers.

Energy saving

- · Don't put hot food in the appliance;
- Don't pack food close together as this prevents air circulating;
- Make sure food don't touch the back of the compartment(s);
- If electricity goes off, don't open the door(s);
- Don't open the door(s) frequently;
- Don't keep the door(s) open for too long time;
- Don't set the thermostat on exceeding cold temperatures;
- Some accessaries, such as drawers, can be removed to get larger storage volume and lower energy consumption.



Environment Protection

This appliance does not contain gasses which could damage the ozone layer, in either its refrigerant circuit or insulation materials. The appliance shall not be discarded together with the urban refuse and rubbish. The insulation foam contains flammable gases: the appliance shall be disposed according to the appliance regulations to obtain from your local authorities. Avoid damaging the cooling unit, especially the heat exchanger. The materials used on this appliance marked by the symbol \triangle are recyclable.



The symbol on the product or on its packaging indicates that this product may not be treated as household waste. Instead it should be taken to the appropriate collection point for the

recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local council, your household waste disposal service or the shop where you purchased the product.

Packaging materials

The materials with the symbol are recyclable. Dispose the packaging in a suitable collection containers to recycle it.

Disposal of the appliance

- 1. Disconnect the mains plug from the mains socket.
- 2. Cut off the mains cable and discard it.
- 3. Remove doors so not to entrap small children

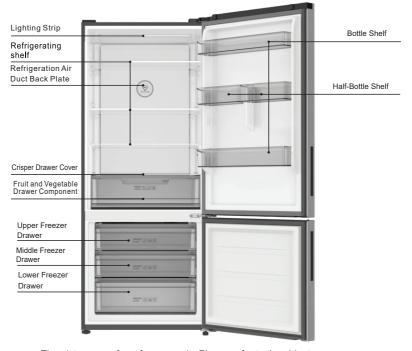
WARNING: RISK OF CHILD ENTRAPMENT

Child entrapment and suffocation are not problems of the past. Junked or abandoned refrigeration products are still dangerous- even if they sit for a "just a few days". If you are getting rid of your old appliance, please follow the below instructions to help prevent accidents.

Before You Throw Away Your Old Refrigeration Product:

- Take off the doors
- Leave the shelves in place so that children may not easily come inside.

Product introduction

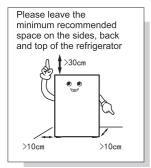


The pictures are for reference only. Please refer to the object

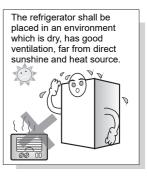
Warm prompt:

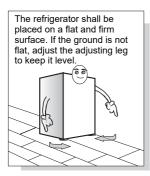
Product specifications subject to change.

Handling and placement













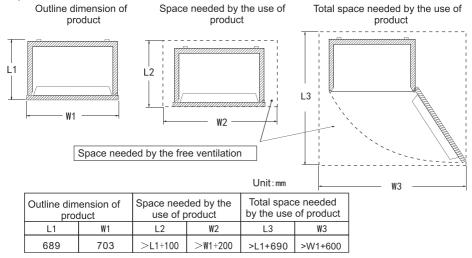
Warm prompt:

- --When handling the refrigerator, at least two people are required one lifts the top rear part, the other one handles the bottom .
- --When moving the refrigerator, the lower runner may damage and scratch the floor. If you need to move the refrigerator for a long distance, the internal accessories must be fixed using adhesive tape. Otherwise, the accessories may get damaged by crashing into each other.
- --Please place the refrigerator in a position with small exposure to vibration.
- --Sufficient clearance shall be left around the refrigerator. If the clearance is too small or goods are placed on the top or close to the side, the heat dissipation of refrigerator will be affected, and thus to cause unnecessary electric energy waste as well as burn out of the wall and other goods; the contact between the back and wall will cause vibration and noise;
- --Adjust the front part and adjusting leg of the refrigerator to level it. An unlevelled refrigerator will cause vibration and noise.

Handling and placement

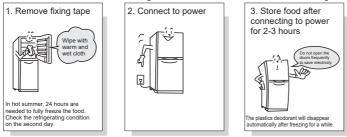
The outline dimension of the product and the space needed by the use of product are shown in the following.

pictures:



Preparations prior to use

- 1.Remove all packing materials such as adhesive tape, plastic bags, etc., especially the foam base. 2.Use a warm wet cloth to clean both interior and exterior of the refrigerator, (neutral detergent can be added to warm water).
- 3. After leveling and cleaning the refrigerator, keep it upright for about 2 hours before plugging in the power for the first time.Let the refrigerator run for 2 to 3 hours before storing foods.



The appliance should be located in the coolest area of the room, away from heat producing appliances or heating ducts, and out of the direct sunlight.

Let hot foods cool to room temperature before placing in the appliance. Overloading the appliance forces the compressor to run longer. Foods that freeze too slowly may lose quality, or spoil.

Be sure to wrap foods properly, and wipe containers dry before placing them in the appliance. This cuts down on frost build-up inside the appliance.

Appliance storage bin should not be lined with aluminum foil, wax paper, or paper toweling. Liners interfere with cold air circulation, making the appliance less efficient.

Organize and label food to reduce door openings and extended searches. Remove as many items as needed at one time, and close the door as soon as possible.

Please refer to the product introduction picture on page 5 for the placement of accessories.

Operation and diagram of the electronic control panel



Powering on for the first time

When it is powered on for the first time, the refrigerator will start the intelligent mode and run at 5 °C for the refrigerator chamber, and -18 °C for the freezer chamber.

Child lock function

Turn on: when there is no key operation on the display screen, after 30 seconds, the keyboard is automatically locked and the child lock function is turned on:

Turn off: when the display screen is in the locked state, press the "unlock 3 sec" key and hold it for 3 seconds to unlock, and the child lock function is turned off.

Manual temperature adjustment

When there is no key operation on the display within 30 seconds, the display will go out automatically, and the keyboard will be automatically locked. When the display is off, pressany button for the first time to wake up the display; press and hold the "unlock 3 sec" button for 3 seconds to unlock, and then press the button again to make the button function effective.

Refrigerator chamber temperature adjustment (2°C ~ 8°C)

In the unlocked state, repeatedly press the "Zone" button until the refrigerated storage temperature area is lit, and then presses the "Regulate" button to adjust the temperature of the refrigerator chamber. The temperature of the refrigerator chamber should be set between "02" - "03" - "04" - "05" - "06" - "07" - "08" - "02". Select the appropriate temperature to stop the key operation, and then set the temperature range for confirmation.

Freezer chamber temperature adjustment (-24°C ~-15°C)

In the unlocked state, repeatedly press the "Zone" button until the freeze storage temperature area is lit, and then presses the "Regulate" button to adjust the temperature of the freezer chamber. The temperature of the freezer chamber should be set between "-24" - "-23" - "-22" - "-21" - "-20" - "-19" - "-18" - "-17" - "-16" - "-15" - "-24". Select the appropriate temperature to stop the key operation, and then set the temperature range for confirmation.

Power Cool function

When the refrigerator is under unlock state, press "Function" button repeatedly till the "Power Cool" icon blinks, after that, stop the key operation and wait for 3 seconds to enter refrigerator chamber power cool function. You can quit the power cool function with the same operation. Once entering "Power Cool", The Refrigerator will automatically quit the power cool function after entering it for 2 hours.

Under "Power Cool" state, the setting temperature for the refrigerator chamber is displayed by 2°C till quitting the function. Under "Power Cool" state, when setting other functions, you may automatically quit the power cool function. Under "Power Cool" state, you will automatically quit the power cool function when the refrigerating door is opened over 3 minutes. (Under "Power Cool" state, when setting other functions, you may automatically quit the power cool function)

Power Freeze function

When the refrigerator is under unlock state, press "Function" button repeatedly till the "Power Freeze" icon blinks, after that, stop the key operation and wait for 3 seconds to enter freezer chamber power freezing function. You can quit the power freezing function with the same operation. Once entering "Power Freeze", the refrigerator will automatically quit the power freezing function after it is under in high freezing status for 4 hours. Under "Power Freeze" state, the setting temperature for the freezer chamber is displayed by -32°C until quitting the function. Under "Power Freeze" state, when setting other functions, you may automatically quit the power freezing function.

(Under "Power Freeze" state, when setting other functions, you may automatically quit the power freezing function)

Holiday function

In the unlocked state, press the "Function" key repeatedly until the "Holiday" icon flashes, stop the key operation and wait for 3 seconds to enter the holiday function. In holiday mode, the position of refrigerator refrigerating chamber shows "OF", and the refrigerating chamber enters the closed state.(In the "Holiday" state, when other functions are set, the holiday function may be automatically exited)

Note: Before activating the holiday function, please take out the food in the refrigerator chamber.

Power off memory

When power goes off, the instantaneous working state at the time of power off will be locked. After power on, it will still work according to the setting before power off.

Door alarm

If the refrigerator is not closed tightly or stays open for more than 1 minute, beep issue "Di, Di, Di". Press any key to pause the alarm; send an alarm again after 1 minute; close the refrigerator door tightly to stop the alarm.

Over temperature warning of freezer chamber

When the power is switched on, the temperature of the freezer chamber is higher than -12°C, the schematic box corresponding to the temperature zone of the freezer chamber is on, and the digital zone flashes. Press any key to display the temperature of the freezer chamber when it is powered on, press the key again or 10 seconds later, it will return to the normal display state.

Display protection function

If there is no any key operation within 30 seconds, the refrigerator will enter the display protection function, and the keyboard will be automatically locked. In the display protection mode, press any key to exit the display protection function.

Foods storage

refrigerator chamber (2°C~8°C)

- --The refrigerator chamber is mainly used for storing short-term foods, like milk, eggs and bottled drink.
- --Vegetables, melons and fruits shall be put into the fruit and vegetable box to prevent water loss.
- --The cooked foods shall be put into the refrigerator after packaging with the preservative bags, to prevent the back from frosting and the power from increasing.

freezer chamber (-24°C~-15°C)

- --The freezer chamber is used for the foods to be stored for long-term.
- --Fish and meat to be frozen shall be cut into small pieces, packaged with preservative bags separately and then put into the frozen drawer.
- --The glass container or the sealed container filled with liquid shall not be stored in the freezer chamber, to prevent the risk of burst due to freezing.
- --The fresh foods shall not be stored together with the frozen foods.
- --Do not place food close to inside wall in freezer lest food and wall should be frozen together.

★ ★ Warm tips:

Stored food, if any, must not block the air duct outlet and return port as this will affect the performance.

Never place hot foods or liquids in the refrigerator or freezer. Always wait until the foods or liquids cool to room temperature.

Ice making

Fill the ice tray with water , then place it in the freezer. When the water in the ice try turns to ice, twist the ice tray and drop the ice into a container.



Door Reversal

For Door Reversal, please contact TCL Customer service for detailed instruction

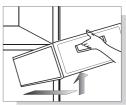
Operation notes

Disassembly and assembly method of accessories

- --Glass shelves in the refrigerator compartment: the height of the shelves are adjustable, which facilitates the storage of articles with different volumes. Pull the shelves slightly outwards and upwards to take out.
- --Crisper Box: for storing vegetables and fruits. It can be easily taken out by pulling outwards.
- --Freezer Drawer: storing foods to be preserved long-term, such as meat and fish. It can be easily taken out by pulling outwards and lifting upwards. Note: It is recommended that large pieces of meat are cut into small pieces, as it will be very difficult to cut when frozen. The quick-freezing foods shall be distributed uniformly and stored together after being frozen.
- --Refrigerator Door Shelves: for storing eggs, different kinds of bottled drinks and other items. To remove, gently squeeze from both sides at the same time and make sure the clips are dislodged, and then slowly lift out.
- --Caution: do not pull out the door shelf forcibly when it is dismantled, so as not to damage the refrigerator



Take out by pulling upwardly and outwardly in a slight way



Take out by pulling outwardly and upwardly in a slight way

Care and maintenance

It is suggested to maintain the refrigerator once per month;

- -- Unplug the power plug to prevent from electric shock;
- --Use wet cloth or neutral detergent (cleanser essence to wipe off the oil contamination and other dirt. Then completely wipe off the detergent.
- --Do not use alkaline detergent, soap powder, gasoline and alcohol, talcum powder etc.; otherwise the coats or plastics may be damaged;
- --Regularly clean the refrigerator body and clear the ground dust to keep the refrigerator clean.

Inspections after maintenance:

- 1. Whether there are damages to the power cord and plug;
- 2. Whether there is dust on the power plug;
- 3. Whether there isabnormal heat on the plug;
- 4. Whether the socket is loose;
- 5. Whether the plug is totally inserted.

Noto

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



Unplug the refrigerator plug before cleaning



Please use neutral detergent

Failure analysis

The following items shall be inspected before occurring failures which require maintenance:

Failures: Refrigerator does not work, The refrigeration effect is poor

Causes:1. Check the connection of power supply. 2. Check whether the refrigerator is exposed to direct sunlight or whether there is heat source nearby. 3. Check whether there is heat dissipation space around refrigerator.

Remedies:1. Connect the power supply. 2. Move the refrigerator to a place without direct sunlight and heat source. 3. Leave sufficient space between refrigerator and wall.

Failures:Foods in refrigerating chamber are frozen

Causes:1. Check whether the setting temperature is too low. 2. Check whether foods with too much water are too close to the rear wall.

Remedies:1. Adequately increase the temperature. 2. Move the foods with too much water to the door side of glass shelf

Failures: There is abnormal sound in refrigerator

Causes:1. Check whether the bottom of refrigerator is stable. 2. Check whether the refrigerator is too close to the wall. 3. Check whether the refrigerator touches other objects.

Remedies:1. Adjust the bottom adjusting leg to stabilize the refrigerator. 2. Leave sufficient space around refrigerator. 3. Remove the obstacles.

Failures: There is abnormal odor in refrigerator

Causes:1. Check whether the foods are sealed for storage. 2. Check whether the refrigerator is clean. 3. Check whether the foods are stored for too long time.

Remedies:1. Sealed foods for storage. 2. Regularly clean the refrigerator. 3.Do not store foods for too long time.

Non-failures

Phenomenon: Heat on two sides and spacing part surface between refrigerating chamber and freezing chamber.

Cause:Refrigerator pipes (condenser, anti-fog pipes) are on two sides and front part of refrigerator for heat dissipation and to prevent from condensation.

Phenomenon: The door is too tight and not easy to open

Cause:Reopening of the door immediately after closing it is hard because hot air enters the refrigerator and contracts to produce pressure difference. It is easy to open the door after a while.

Phenomenon: There is water ripple in refrigerator

Cause: When starting or stopping the compressor, the refrigerant will make such sound; Water produced after defrosting will also make such sound.

Phenomenon: There is "Click" sound or tick sound in refrigerator

Cause:Shrinkage and swelling of case will make such sound;When the case is cold or the door is opened, this sound will occur;Phenomenon:There is hum sound in refrigerator

Cause:Running of compressor will make such sound (if the refrigerator is not leveled, this sound will be louder)

Phenomenon:There is condensation or frosting freezing chamber door surface or food surface

Cause:Temperature or humidity around the refrigerator is high;The door is opened for too long time;The foods with too much water are not sealed or tightly wrapped

Phenomenon:There is condensation on the built-in light surface

Cause:Light will produce heat after being lit, and the door is opened for too long time. So there is Temperature difference,and thus the light case will have condensation

Phenomenon: There is condensation and water mist on body

Cause:Humidity around refrigerator is high, and the moisture in the air will gather in the case to form condensation

Technical parameter

Model	P445BFB	P445BFW	P445BFS	P445BFN	P445BFC	P445BFG
Climate type	Т	Т	Т	Т	Т	Т
Electric shock resistance	I	1	I	I	1	1
Total Storage Volume	416L	416L	416L	416L	416L	416L
Storage Volume of Fridge	310L	310L	310L	310L	310L	310L
Storage Volume of Freezer	106L	106L	106L	106L	106L	106L
Variable temperature volume	/	1	1	1	/	1
Power type	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz
Rated current	1.6A	1.6A	1.6A	1.6A	1.6A	1.6A
Power consumption	273kWh/y	273kWh/y	273kWh/y	273kWh/y	273kWh/y	273kWh/y
Lamp power	2W	2W	2W	2W	2W	2W
Weight	72kg	72kg	72kg	72kg	72kg	72kg
Dimension(mm)	703x689x1725	703x689x1725	703x689x1725	703x689x1725	703x689x1725	703x689x1725
Refrigerant and charge amount	R600a,56g	R600a,56g	R600a,56g	R600a,56g	R600a,56g	R600a,56g
Noise Volume	39dB(A)	39dB(A)	39dB(A)	39dB(A)	39dB(A)	39dB(A)

Annex	P445BFB	P445BFW	P445BFS	P445BFN	P445BFC	P445BFG
Refrigerating shelf	3	3	3	3	3	3
crisper drawer cover	1	1	1	1	1	1
Fruit and Vegetable Drawer Component	1	1	1	1	1	1
Upper Drawer of the Freezer	1	1	1	1	1	1
Middle Drawer of the Freezer	1	1	1	1	1	1
Lower Drawer of the Freezer	1	1	1	1	1	1
Bottle Rack	2	2	2	2	2	2
Half-Bottle Rack	2	2	2	2	2	2
Ice-making box	1	1	1	1	1	1
Egg box	1	1	1	1	1	1
Operating instruction	1	1	1	1	1	1

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