

KONKA

Please thoroughly read this user manual before use.

Refrigerator User's Manual

Model KRF-314W & KRF-3145S Instruction Guide

WARNING

This appliance is designed for household and similar applications, including staff kitchen areas in shops, offices, and other working environments; farmhouses; hotels; motels; bed and breakfast establishments; catering facilities; and similar non-retail applications.

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

Do not store explosive substances such as aerosol cans with flammable propellants in this appliance.

The appliance must be unplugged after use and before performing user maintenance.

WARNINGS:

- Keep ventilation openings in the appliance enclosure or built-in structure clear of obstruction.
- Do not use mechanical devices or other means to accelerate the defrosting process, except those recommended by the manufacturer.
- Do not damage the refrigerant circuit.
- Do not use electrical appliances inside the food storage compartments unless they are of the type recommended by the manufacturer.
- Abandon the refrigerator according to local regulations due to its use of flammable blowing gas and refrigerant.
- When positioning the appliance, ensure the supply cord is not trapped or damaged.
- Avoid locating multiple portable socket outlets or power supplies at the rear of the appliance.
- Do not use extension cords or ungrounded (two-prong) adapters.

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DANGER:

- Risk of child entrapment. Before disposing of your old refrigerator or freezer, remove the doors and leave the shelves in place to prevent children from easily climbing inside.

The refrigerator must be disconnected from the electrical supply before attempting to install accessories.

The refrigerant and cyclopentane foaming material used in the refrigerator are flammable. Therefore, when scrapping the refrigerator, it should be kept away from any fire source and recovered by a specialized company to prevent environmental damage or other harm.



**Warning; Risk of fire /
flammable materials**

For the EN standard:

This appliance is suitable for use by children aged 8 years and above, as well as individuals with reduced physical, sensory, or mental capabilities, or those lacking experience and knowledge, provided they have received supervision or instruction on safe usage and understand the associated hazards. Children should not be allowed to play with the appliance, and cleaning and user maintenance should not be performed by children without supervision. Children aged 3 to 8 years are permitted to load and unload refrigerating appliances.

For the IEC standard:

This appliance is not intended for use by individuals (including children) with reduced physical, sensory, or mental capabilities, or those lacking experience and knowledge, unless they have received supervision or instruction on safe usage from a responsible person.

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

The instructions should include the following guidelines to avoid food contamination:

- Avoid keeping the door open for extended periods to prevent a significant increase in compartment temperatures.
- Regularly clean surfaces that may come in contact with food and accessible drainage systems.
- Clean water tanks if unused for 48 hours and flush the water system connected to a water supply if water has not been drawn for 5 days.
- Store raw meat and fish in suitable containers in the refrigerator to prevent contact with or dripping onto other food.
- Two-star frozen-food compartments are suitable for storing pre-frozen food, ice cream, and making ice cubes.
- One-star, two-star, and three-star compartments are not suitable for freezing fresh food.
- If the refrigerating appliance is left empty for extended periods, switch it off, defrost, clean, dry, and leave the door open to prevent mold development.

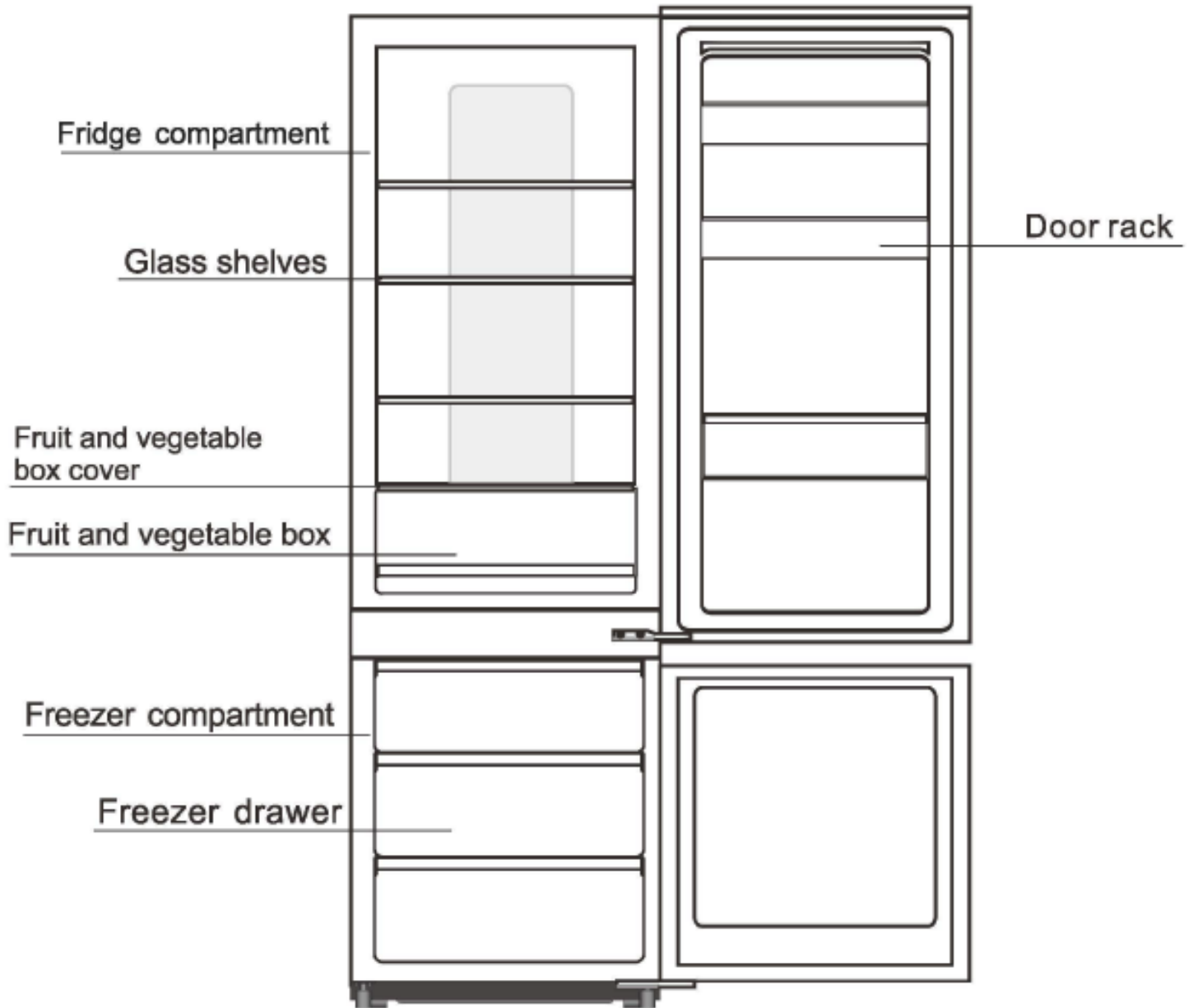
Note 1, 2, 3: Please confirm whether it is applicable according to your product compartment type.

Correct Disposal of This Product



This marking indicates that this product should not be disposed of with other household wastes throughout the EU. 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 environmentally safe recycling.

PRODUCT FIGURE CHARACTERISTICS



PLEASE NOTE: This image is for reference purposes only; please refer to your actual product.

INSTALLATION METHOD

- Before powering on the refrigerator, ensure that all packing materials are removed.
- Allow a clearance of 30cm above the refrigerator, as well as 10cm on both sides and at the back, to ensure proper air circulation. Failure to do so may result in improper air circulation, reduced freezing effect, and increased energy consumption.
- Ensure that the ground is level, compacted, and dry. If the ground is not level, adjust the adjustable feet to level the refrigerator and fasten them to prevent vibration and noise.
- Position the refrigerator away from heat sources and ensure proper air circulation. Avoid placing it near heat sources such as stoves, heaters, or direct sunlight, as this can affect its performance.
- Place the refrigerator in an area with low humidity to prevent electronic insulation issues and rust.
- Handle the refrigerator carefully to avoid collisions and intense vibrations during transportation. Avoid placing it upside down or horizontally, and maintain an angle of not less than 45 degrees between the cabinet and the ground when inclination is necessary.
- After placing the refrigerator levelly and completing cleaning, allow it to rest quietly for at least 1 hour before powering it on to ensure normal operation.

PRODUCT TECHNOLOGY PARAMETER

MODEL	KRF-314W	KRF-314SS
Climate Type	T	T
Protection Class	I	I
Rated Voltage/Frequency	220-240V~ /50Hz	220-240V~ /50Hz
Rated Current	0.9A	0.9A
Defrosting Heater	160W	160W
Lamp Rated Power	1.5W	1.5W
CEC	360kWh/a	360kWh/a
Total Volume	310L	310L
Fresh Food Compartment Volume	215L	215L
Freezer Compartment Volume	95 L	95 L
Refrigerant, Mass	R600a ,46g	R600a ,46g
Foaming Agent	Cyclopentane	Cyclopentane
Net Weight	58 kg	58 kg
Airborne Acoustical Noise Emissions	40dB(A)	40dB(A)
Overall Dimension (WxDxH)	595x635x1853 (mm)	595x635x1853 (mm)

CORRECT USAGE OF ELECTRICITY POWER

- When using a three-pin plug, ensure that the grounding wire is connected properly.

Attention: If the environment is very wet, it is essential to install an electricity leakage protector in addition to the grounding wire. Avoid connecting the grounding wire to water or gas pipes.

- Take care not to damage the insulation layer of the wire. Do not pull out the power plug by tugging on the wire. Instead, grip the plug itself and pull it out from the wall outlet. If the power wire's insulation layer is bare or the plug is torn, do not use it to prevent the risk of electric shock.

Attention: If the power wire is damaged, contact the manufacturer or a specialist for repair to avoid potential danger.

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- You should pull out the power plug under the following conditions:
 - Before cleaning or repairing the refrigerator.
 - Before changing the lamp of the refrigerator, it is essential to pull out the power plug first to ensure safety.
 - If the electricity shuts off while the refrigerator is operating, you should also pull out the power plug.

NOTES FOR USING

- Avoid touching the power plug with wet hands to prevent electric shock.
- Do not use inflammable sprays near the refrigerator, as this could cause a fire due to sparks when opening and closing the door.
- Refrain from spilling water inside or outside the refrigerator, as it may damage components or cause electric shock upon contact.
- Avoid storing inflammable substances such as benzene, ether, liquid gas, alcohol, or adhesives in the refrigerator, as they pose a risk of explosion.
- Do not store items with strict temperature requirements, such as serum, vaccines, or sensitive data, in the refrigerator.
- Avoid pulling the refrigerator door upwards or downwards, as this may destabilize the refrigerator or cause items inside to fall.
- Take strict precautions to prevent R600a refrigerant from leaking, as it is highly flammable and prone to explosion.
- Strictly prohibit placing hot water or excessively hot food items in the refrigerator, as this can increase electricity consumption and damage the interior liner.
- Do not place food or household utensils exceeding 60°C on the refrigerator's cover, as it may cause damage.
- Only use electric appliances recommended by the manufacturer inside the refrigerator.

Attention: Before disposing of the refrigerator, ensure to remove the door gasket to prevent children from being trapped inside while playing.

USAGE OF FRIDGE COMPARTMENT

- In the fridge compartment, the temperature typically ranges from 2-9°C, ideal for storing vegetables, fruits, and beverages. Near the crisper, the temperature is the lowest, while it increases towards the upper areas. Different foods can be placed in different areas based on their temperature requirements.
- The refrigerator shelf can be adjusted to accommodate the height of stored food. Remove the shelf horizontally, select a suitable position, and insert the shelf into the groove on the liner.
- For initial use, the compressor should run continuously for a few hours. Once the refrigerator reaches the set temperature and the compressor switches to automatic on-off mode, you can begin placing food inside.

Best method for food storage:

- Different foods require different temperatures for optimal storage. In the fridge compartment, vegetables and fruits can be placed in the crisper, while tofu and cakes can be placed on the crisper lid. Cans and beverages can be stored on the bottle rack.
- When storing food, cover it with plastic wrap or store it in a container with a lid to prevent odors from mixing and to keep it from drying out.
- Vegetables, fruits, and bottled foods should be cleaned before placing them in the refrigerator.
- Ensure there is proper space between each food item, as overcrowding may hinder air circulation.
- Allow hot food to cool before placing it in the refrigerator to prevent an increase in compartment temperature and energy consumption.
- Transferring food from the freezer compartment to the fridge compartment to thaw can efficiently save energy. However, avoid placing freezing food near cooking food to prevent the cooling food from freezing.

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The tips of storing vegetable and fruit:

- Avoid storing vegetables in the direction of their growth, as this can prolong their freshness.
- Tropical fruits such as bananas, pineapples, and melons are not suitable for refrigerator storage as they tend to ripen quickly at low temperatures.
- Remove the leaves from radishes and fruit vegetables before storing them. Storing them with leaves can result in the absorption of nutrients from the root by the leaves.

USAGE OF FREEZER COMPARTMENT

The freezer compartment's temperature is adjustable between -15°C and -24°C, ideal for storing items such as fish and meat for extended periods. When placing fresh food into the freezer compartment, avoid overloading it with too much food at once.

Attention: Refrain from placing bottles of liquid into the freezer compartment, as they may break when frozen. Additionally, avoid touching frozen food with wet hands to prevent injury to your fingers.

Melting frozen food:

Here are several methods for thawing frozen food:

- Allowing the food to thaw at room temperature.
- Submerging the food in cold water.
- Placing the food in the refrigerator to thaw slowly.
- Using an electric cooker to thaw the food.
- Using a microwave oven to defrost the food.

Once thawed, it's important not to refreeze the food. It's best to consume it as soon as possible.

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REFRIGERATOR & FREEZER STORAGE CHART

The freshness longevity depends on temperature and exposure to moisture. Since product dates aren't a guide for safe use of a product, consult this chart and follow these tips.

Milk products

Product	Refrigerator	Freezer
Milk	1 week	1 month
Butter	2 weeks	12 months
Ice cream	-	2-3 weeks
Natural cheese	1 month	4-6 months
Cream cheese	2 weeks	Not recommended
Yogurt	1 month	-

Meat

Product	Refrigerator	Freezer
Fresh roasts,steaks,chops	3-4 days	2-3 months
Fresh ground meat,stew meat	1-2 days	3-4 months
Bacon	7 days	1 month
Sausage,Raw from pork,beef,turkey	1-2 days	1-2 months

Poultry /Eggs

Product	Refrigerator	Freezer
Fresh poultry	2 days	6-8 months
Poultry salad	1 day	-
Eggs,Fresh in shell	2-4 weeks	Not recommended

Fish / Seafood

Product	Refrigerator	Freezer
Fresh fish	1-2 days	3-6 months
Cooked fish	3-4 days	1 month
Fish salad	1 day	Not recommended
Dried or pickled fish	3-4 weeks	-

Fruits

Product	Refrigerator	Freezer
Apples	1 month	-
Peaches	2-3 weeks	-
Pineapple	1 week	-
Other fresh fruit	3-5 days	-



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Vegetables

Product	Refrigerator	Freezer
Asparagus	2-3 days	-
Broccoli, Brussels sprouts, green peas, mushrooms	3-5 days	-
Cabbage, cauliflower, celery, cucumbers, lettuce	1 week	-
Carrots, beets, radishes	2 weeks	-

INTRODUCTION TO DISPLAY PANEL

Here's an introduction to the icons:

- "  " represents the energy-saving symbol.
- " **FAST** " in the fridge area indicates the symbol for fast cooling.
- " **FAST** " in the freezer area signifies the symbol for fast freezing.
- "  " is the symbol for screen locking.

FUNCTION KEY INTRODUCTION



Adjusting Fridge Compartment Temperature and Turning Off:

-The fridge compartment temperature can be adjusted between 2 degrees to 9 degrees. By pressing the "refrigeration adjusting button," the number indicating the fridge compartment temperature increases by 1. When the number reaches its maximum, pressing the button again turns off the fridge function, displaying "--." After turning off the fridge function, pressing the button again will automatically reset the temperature to the minimum. Repeat this process as needed.

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Freezer compartment temperature adjustment:

-You can adjust the freezer compartment temperature between -15 degrees to -24 degrees. Simply press the "freezing adjusting button," and the number indicating the freezer compartment temperature will increase by 1. When the number reaches its maximum value, pressing the button again will automatically reset the temperature to the minimum. You can repeat this process as needed to achieve your desired temperature setting.

Energy saving:

Pressing the Energy Saving button activates the energy-saving mode, during which the refrigerator automatically adjusts the set temperatures in the fridge and freezer compartments based on the surrounding temperature to achieve optimal energy efficiency while maintaining ideal storage conditions. (This is the recommended setting).

Screen lock and unlock:

If there's no activity for 30 seconds, the refrigerator will activate the screen lock feature, indicated by a displayed symbol. During this time, all functions except for unlocking are disabled. To unlock, press and hold the unlock button for a moment until the symbol disappears. While unlocked, press and hold the button again to activate the screen lock.

Quick refrigeration:

When there's a need to rapidly refrigerate additional food, press and hold the refrigeration adjusting button to activate the quick refrigeration mode for the fridge compartment. The symbol will then appear on the refrigeration digital display, indicating the temperature is set to 2°C. The quick refrigeration mode will automatically deactivate after a period of continuous operation.

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Quick freezing:

To rapidly freeze additional food, press and hold the freezing adjusting button to activate the quick-freezing mode for the freezer compartment.

Subsequently, the symbol will appear on the freezing digital display. The temperature in the freezer compartment will be set to -30°C. The quick-freezing feature will automatically deactivate after running continuously for a period.

Display screen power saving:

If there's no button activity for 30 seconds, the refrigerator will transition into a screen power-saving mode. In this state, the screen light is switched off, displaying nothing. To exit this power-saving mode, simply press any button, which will illuminate the screen and display digital numbers and icons. While unlocked, pressing the unlock button will return the refrigerator to the power-saving state.

Fridge door ajar reminder:

If the fridge compartment door remains open for an extended period, the screen will display the "dR" icon and sound an alarm to prevent cooling air leakage and increased power consumption.

Fault display:

This product has a fault display function. When a temperature sensor fails, the temperature display area will show codes like ER, EF, etc., depending on the specific issue. Although the refrigerator can still operate, you should contact the company's local customer service department for maintenance as soon as possible to ensure optimal performance.

MAINTENANCE OF REFRIGERATOR

Cleaning:

Every three to five weeks, you should thoroughly clean and check the refrigerator to prevent leftover food from causing bad odors. Start by washing with a mild detergent, then wipe with a dry cloth.

Attention: If the refrigerator liner gets stained by cooking oil or soup, clean it immediately to prevent the grease from eroding the liner, which can accelerate aging and cause cracks.

Maintenance:

Regular maintenance can extend the life of your refrigerator. Always unplug the power cord before performing any maintenance for safety. Use a soft cloth with warm water to wipe the refrigerator. If there are stubborn stains, use a mild detergent first, then wipe clean with a dry cloth. Pay special attention to cleaning the door gasket, as dirt can cause it to age and lead to cold air leaks.

Attention: Avoid using the following to clean the refrigerator: abrasive powder, detergent powder, washing soda, benzene, petrol, acid, alcohol, and hot water. These substances can damage the paint and plastic parts.

Safety inspection after maintenance:

- Please check the following:
 1. Whether the power plug or power wire is damaged.
 2. Whether the power plug is abnormally hot.
 3. Whether the power plug is fully inserted into the wall socket.
- (If you have any other questions or concerns, please contact our company's local customer service department.)

Defrost:

This model features a total no-frost design, meaning both the fridge and freezer compartments defrost automatically. The melting water flows into a water pan on the compressor and evaporates on its own.

How to change the lamp bulb:

1. Unplug the power plug to cut off the power supply.
2. Dismantle the cover, then remove the screw and LED bulb.
3. Install the new bulb by following the steps in reverse.
4. If there is an issue with the bulb, please contact our company's local customer service department for a replacement.

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SIMPLE FIXES FOR FAILURES

When there is an issue with the refrigerator, please check the following before contacting our company's local customer service department:

Cannot cool down:

- Is the power cord plug in good condition?
- Is there a power outage? Check the fuse or circuit breaker.
- Is the temperature controller set to a proper temperature?

Freezing temperature is insufficient:

- Have you placed too much food inside?
- Are there any heat sources near the refrigerator or direct sunlight?
- Is the frost layer too thick?
- Is the temperature controller set to a proper position?

Food frozen in the fridge compartment:

- Is the temperature controller adjusted correctly?
- Have you placed watery foods, which are more prone to freezing, into the deep refrigerator section?

Compressor Noise During Startup:

When the refrigerator initiates its operation, you may notice a louder noise as the compressor starts up. This is a normal occurrence. As the refrigerator continues to operate, the noise level will decrease.

Fan Noise:

The fan may operate at higher speeds during periods of elevated environmental temperatures or when there is a sudden increase in the amount of food stored. This can result in increased noise levels, which is normal. Similar to the compressor noise, the fan noise will diminish with continuous operation.

Non-Fault Phenomena:

During normal operation, you may observe certain non-fault phenomena in the refrigerator. These are typically nothing to worry about.

Flowing Water Sound:

The sound of water flowing is a normal occurrence and is attributed to the movement of refrigerant. There is no cause for concern.

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Heat on Freezer Compartment Frame and Side Panels:

The freezer compartment frame contains anti-concreting-dew tubes, while the condenser tubes are located in the side panels. It is normal for these components to emit heat during refrigerator operation.

Hot Compressor:

During operation, the compressor may become very hot, with temperatures reaching up to 90°C. This is within the expected operating range.

Concreting Dew on Exterior:

In humid conditions, such as during wet seasons, concreting dew may form on the exterior or frame of the refrigerator. This is not indicative of a malfunction. Simply wipe away any moisture, and the refrigerator will continue to operate normally.

Attention: Due to the flammability of R600a refrigerant, any repairs related to the refrigeration system should be performed by qualified personnel. Unauthorized disassembly or alteration of the refrigerator is strictly prohibited, as is damage to refrigeration tubes.

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The parts listed in the following table can be obtained through the service provider channel:

Ordered part	Provided by	Minimum time required for provision
Thermostats	Professional maintenance personnel	At least 7 years after the last model is launched on the market
Temperature sensors	Professional maintenance personnel	At least 7 years after the last model is launched on the market
Printed circuit boards	Professional maintenance personnel	At least 7 years after the last model is launched on the market
Light sources	Professional maintenance personnel	At least 7 years after the last model is launched on the market
Door handles	Professional repairer and final users	At least 7 years after the last model is launched on the market
Door hinges	Professional repairer and final users	At least 7 years after the last model is launched on the market
Trays	Professional repairer and final users	At least 7 years after the last model is launched on the market
Baskets	Professional repairer and final users	At least 7 years after the last model is launched on the market
Door gaskets	Professional repairer and final users	At least 10 years after the last model is launched on the market

For refrigerating appliances classified by climate class:

- Extended temperate: This refrigerating appliance is designed for use in ambient temperatures ranging from 10°C to 32°C.
- Temperate: This refrigerating appliance is designed for use in ambient temperatures ranging from 16°C to 32°C.
- Subtropical: This refrigerating appliance is designed for use in ambient temperatures ranging from 16°C to 38°C.
- Tropical: This refrigerating appliance is designed for use in ambient temperatures ranging from 16°C to 43°C.