

# Panasonic®

## Operating Instructions Refrigerator (Household use)

English

**Model No.**            **NR-C280H-W3**  
                                 **NR-C280H-S3**



Thank you for purchasing this Panasonic product.  
Please read these instructions carefully before using this product. Please  
keep this manual for future reference.

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- This product is primarily intended for household appliances and related applications, for example:
  - Employee kitchens in stores, offices, and other work environments;
  - Farmhouses, hotels, inns and other residential environments with guests;
  - Environments where beds are placed and breakfast is served;
  - Food service and related non-retail applications.

## ■ Energy-saving Tips

- Do not overfill compartments.  
Overfilling may prevent cold air from entering. Leave enough space between food items.
- Open the door only when necessary.  
Reducing the frequency of door opening and closing helps prevent cold air from escaping and reduce power consumption.
- Do not block the cold air outlet by foods.  
If cold air cannot reach all compartment corners, internal cooling effect will decrease and power consumption will increase.
- Cold air is discharged from the rear vent pipe.
- Allow foods and drinks to cool before storage. ◦  
Placing hot items inside raises the internal temperature and affects the freshness of other foods.

## ■ Handling Packaging Bags








Please recycle reusable materials whenever possible (e.g. cardboard, plastic bags, adhesive tape, and foam), and ensure that other packaging materials are disposed of properly.

Keep packaging bags out of reach of children to avoid injury or suffocation.

# Safety Instructions

## Meaning of Safety Symbols

 Do not	 Be sure to abide by	 This device must be grounded to prevent electric shock
 Do not disassemble	 Warning: Risk of flammable/inflammable materials	



It indicates risk of death or serious injury.



- Warning: Do not use mechanical devices or other equipment to accelerate defrosting except for the equipment recommended by the manufacturer.
- Warning: Do not damage the refrigerant circuit.  
(Otherwise, any flammable refrigerant may ignite and cause an explosion.)
- Warning: Do not use electrical appliances inside the food storage compartments unless this type of electrical appliances are recommended by the manufacturer. (Refrigerant leakage may trigger a fire if it comes into contact with sparks.)
- Warning: Do not store explosive items in this appliance, such as aerosol cans containing flammable compressed gas.
- Warning: Do not place multiple portable sockets or power strips at the rear of the appliance.



- Unless instructed or supervised by a person responsible for safety, children, persons with limited physical abilities, or those lacking experience or common knowledge must not use this appliance. Please ensure that children are supervised so they do not play with the refrigerator.
- If the power cord or plug of the appliance is damaged, it must be replaced by the manufacturer, its service agent, or personnel with similar qualifications to prevent hazards.
- Warning: Use only for storing drinking water.
- Warning: Ensure the ventilation openings of the refrigerator exterior or internal structure are not blocked.
- Warning: When positioning the appliance, make sure that the power cord is not pinched or damaged.

## About the Power Plug and Cord .....



- Do not use an extension cord.
- Do not plug in or unplug the power cord with wet hands.
- Do not damage the power plug or cord. Do not cut, modify, or tamper with the plug or cord. Do not expose the plug or cord to high temperatures. Do not bend, twist or pull the plug or cord excessively. Do not place heavy objects on the plug or cord. Do not bundle or tie up the plug or cord.  
→Contact your dealer for repair of the socket or power cord.
- Do not position the back of the refrigerator directly against a power outlet.
- Do not use a damaged power cord or plug, or a plug that is not fully inserted into the outlet.



- Regularly clean the power plug to remove dirt, such as dust.
- Insert the power plug into a wall outlet with the rated voltage and current, and make sure that it is fully inserted.
- When unplugging, hold the plug itself; do not pull on the power cord.
- Unplug the power cord before cleaning the refrigerator.
- If the refrigerator is not used for a long period, unplug it.  
(Failure to do so may cause fire or electric shock.)

# Safety Instructions

If any abnormality or malfunction occurs, immediately stop using the refrigerator and unplug it. (Failure to do so may result in smoke, fire or electric shock.)



Abnormality and malfunction examples

- The power cord or outlet becomes unusually hot
- Deep cuts or visible deformation on the power cord
- Smell of burning
- Strong sensation of electric current

Contact your dealer immediately for inspection and repair.

## Top of the Refrigerator .....



- Do not place any objects on top of the refrigerator. Otherwise, objects may fall due to vibration and cause personal injury.
- Do not place anything on the top cover. (Otherwise, components may deform and cause electric shock.)



## Usage .....



- Do not hang on or lean against the door.
- Do not use water on the exterior or interior of the refrigerator. (Doing so may deteriorate electrical insulation and cause electric shock or fire.)
- Do not touch the mechanical parts of the ice tray.
- Do not move the ice tray while the ice making function is operating.
- Do not store combustible items in the refrigerator.
- Do not store chemicals or scientific specimens.
- Do not use flammable chemicals near the refrigerator.
- Do not apply strong impact to glass doors. (Otherwise, the glass may break and cause injury.)  
→ If cracks appear on the glass, do not touch it and contact your dealer immediately.



- Children should be properly supervised to ensure the correct use of the refrigerator.

## Installation .....



- Do not install the refrigerator in locations exposed to water.
- Do not fill the gaps around the refrigerator with other objects. (Refrigerant leakage may cause fire.)



- Provide safety measures to prevent tipping in case of earthquakes or other disturbances.



- Ensure that the refrigerator plug is connected to a properly grounded power outlet. Do not plug into an ungrounded power outlet. (3-prong plug required)

## Disposal and Recycling of the Refrigerator .....



- When recycling the refrigerator, remove the doors to prevent children from hiding inside and causing accidents.
- Flammable gases are used as refrigerants. Cyclopentane is used for insulation. When discarding the refrigerator, ensure to follow proper disposal methods.
- Throughout the entire service life of the refrigerator, the above warning signs must be kept intact. When transporting the refrigerator to another location or delivering it to a recycling plant, these instructions should be handed over to the person who will use or handle the refrigerator.

## Emergency Situations .....



- Do not open the top cover or the rear cover.
- Do not disassemble, repair or modify the refrigerator.  
(Otherwise, it may cause personal injury, burns or electric shock.)



- If there is a gas (e.g. city gas) leakage, do not touch the refrigerator, ventilate the kitchen by opening windows.
- The refrigerant in this refrigerator is flammable. If the cooling circuit (pipes) is damaged, ventilate the kitchen by opening windows and contact your dealer.
- The repair work must be performed by trained technicians in a workshop.  
(Otherwise, it may result in electric shock, fire or explosion.)



Caution

It indicates a risk of personal injury or property damage.

## Storing Food .....



- Do not apply strong impact to glass shelves.  
(Otherwise, the glass shelves may break and cause injury.)
- Do not let food protrude beyond the glass shelves.
- Do not place food containers on the door shelf if they do not reach the bottom of the shelf.  
(Otherwise, food may fall and cause personal injury.)
- Do not freeze bottles.  
(If liquid inside glass bottles freezes, the bottles may break and cause injury.)
- Do not touch frozen food or containers (especially metal containers) and aluminum plates with wet hands.  
(Otherwise, you may suffer hand frostbite.)
- Do not eat food that has spoiled or changed color.  
(Spoiled food may cause illness.)

## Opening/Closing the Refrigerator Doors .....



- Do not open or close the refrigerator doors while others are touching the refrigerator.
- Do not place your fingers in gaps of Refrigerator Compartment when opening/closing the doors.
- Do not hold the upper part of drawers when opening/closing ice-making or fresh freezing compartments.
- Do not place your feet under the bottom drawers.  
(Otherwise, your toes may be caught.)
- Do not use excessive force when opening or closing the refrigerator doors.  
(Otherwise, food may fall and cause personal injury.)



## Cleaning .....



- Do not touch the metal rails directly.
- Do not put your hands or feet under the bottom of the refrigerator.  
(The edges of metal plates may cause personal injury.)



- Be careful when installing or removing glass shelves.  
(Dropped glass shelves may break, causing damage or personal injury.)

## Moving or Transporting the Refrigerator .....



- Place the refrigerator with adjustable legs on a flat and sturdy floor.  
(Otherwise, the refrigerator may move or tip over, causing personal injury.)
- Use protective layers for delicate floor surfaces.
- When transporting the refrigerator, use the handles and have at least two people carry it.  
(Otherwise, your hands may slip, causing injury.)



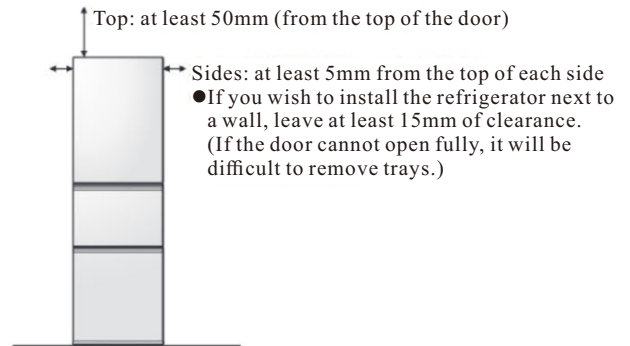
# Installation

## Selecting the Correct Location

### 1. Refrigerator Placement Environment

- Keep away from heat sources and direct sunlight to minimize cooling capacity and prevent unnecessary power consumption.
- Choose a well-ventilated area with low humidity to avoid rust or condensation.
- Place on a solid, level floor.  
If placing on carpet, tatami mats, or vinyl flooring, put a sturdy protective board underneath the refrigerator to prevent deformation or discoloration of the carpet.
- Keep the refrigerator away from other devices to avoid noise interference and improper image display on TVs or other equipment.
- Place in a location that allows easy access for cleaning the power outlet.  
(to prevent fire hazards.)

- **Well-ventilated location**  
If vibration noise, wall discoloration, or condensation on the back affects you, place the refrigerator at least 30mm away from the wall.



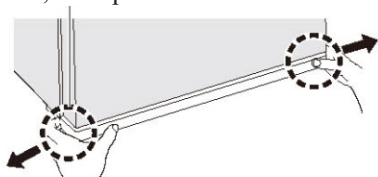
### ■ Before Using the Refrigerator for the First Time (P. 45-47)

- Wipe the interior of the refrigerator with a damp soft cloth.  
Rinse the ice tray.

### 2. Refrigerator Installation

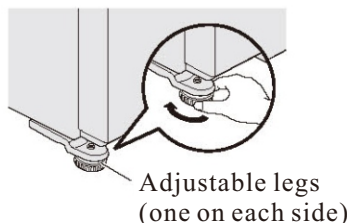
- If the refrigerator is not installed level, a knocking noise may occur when opening or closing the door.  
(This can affect the refrigerator's operating performance.)  
Install the refrigerator on a firm and flat floor.
- Due to the angle of the installation location or the flooring used, the doors may sag.

- ① Remove the bottom leg cover.  
Turn the left and right knobs (on the inside of the leg cover) outward to remove them, then pull the cover forward.

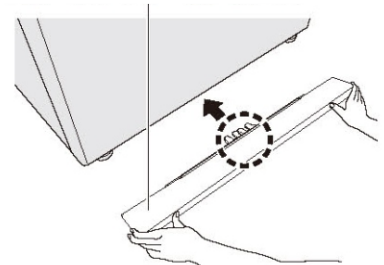


- Make sure the bottom leg cover is securely fixed.  
If it is difficult to remove by pulling forward, slightly open the freezer door and lift it out diagonally upward.

- ② Level and secure the unit.

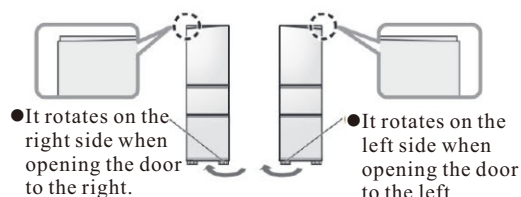


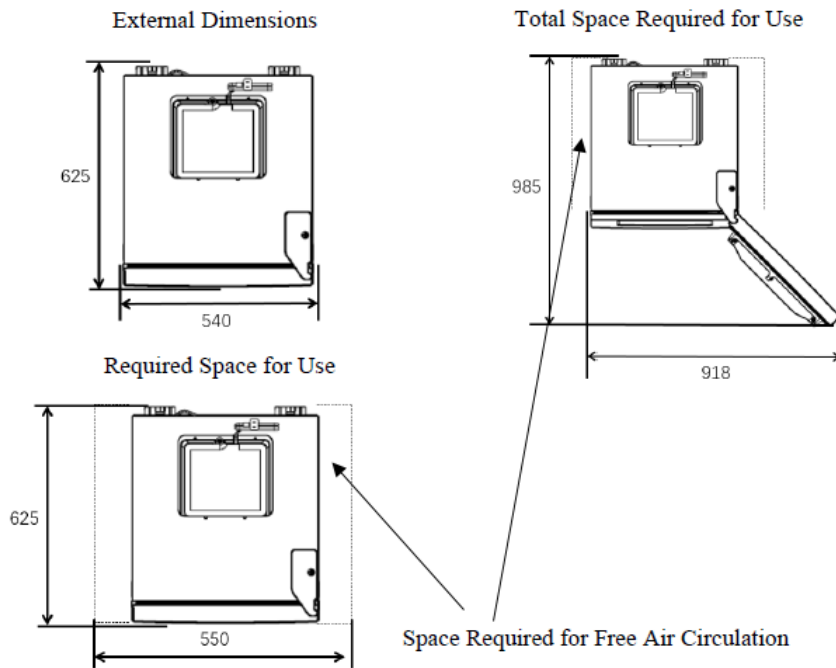
- ③ Insert the leg cover straight in with both hands.



### ■ Door tilt down

- Due to food load or floor settling, the refrigerator door may tilt within the first 4-5 days after installation. In this case, readjust the adjustable legs to achieve proper alignment.
- If the above method is ineffective, use adjustment shims.





3. Insert the plug into a wall outlet.

Insert the plug into a wall outlet with the appropriate rated voltage and current.

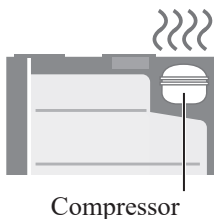
- After installation, the power plug can be inserted into the outlet immediately.
  - When powered on, surroundings and surfaces (including sides) of the refrigerator may become very hot.
  - (At an ambient temperature of 30°C, its temperature may reach approximately 50-60°C.) This is normal. (P. 16)
- After unplugging, wait at least 7 minutes before reconnecting the power. (P. 14)

4. Internal cooling of the refrigerator

- It takes approximately 4 hours for the interior to cool after installation.
- In summer, it may take 24 hours or more for the interior to cool evenly.
- Only after the interior is fully cooled should ice be made.
- Do not open or close the refrigerator doors before the interior is fully cooled. (Warm air entering the interior will hinder the cooling process.)

Precautions

- Do not place items on top of the refrigerator.  
The compressor on top of the refrigerator generates heat during operation, making it hot.  
If heat cannot dissipate properly, the cooling performance of the refrigerator may be reduced.



Remarks

- After installation, increased noise is normal because the interior of the refrigerator has not yet cooled, and the compressor or fan operates at high speed. (The noise will decrease once the interior has fully cooled.)

# Operation Control Panel

## ■ Functions of Control Panel Buttons (The illustration shows the default settings at the time of purchase.)

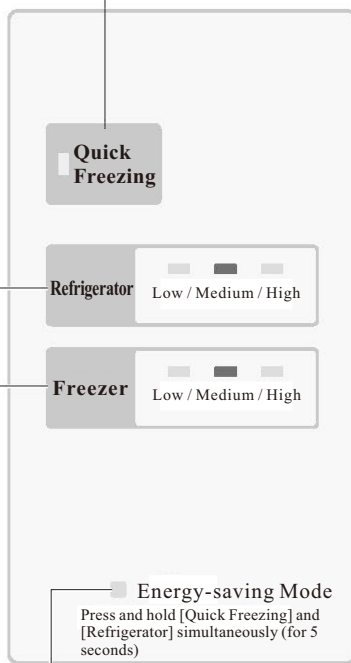
Indicator lights are displayed in green.

### Temperature Setting

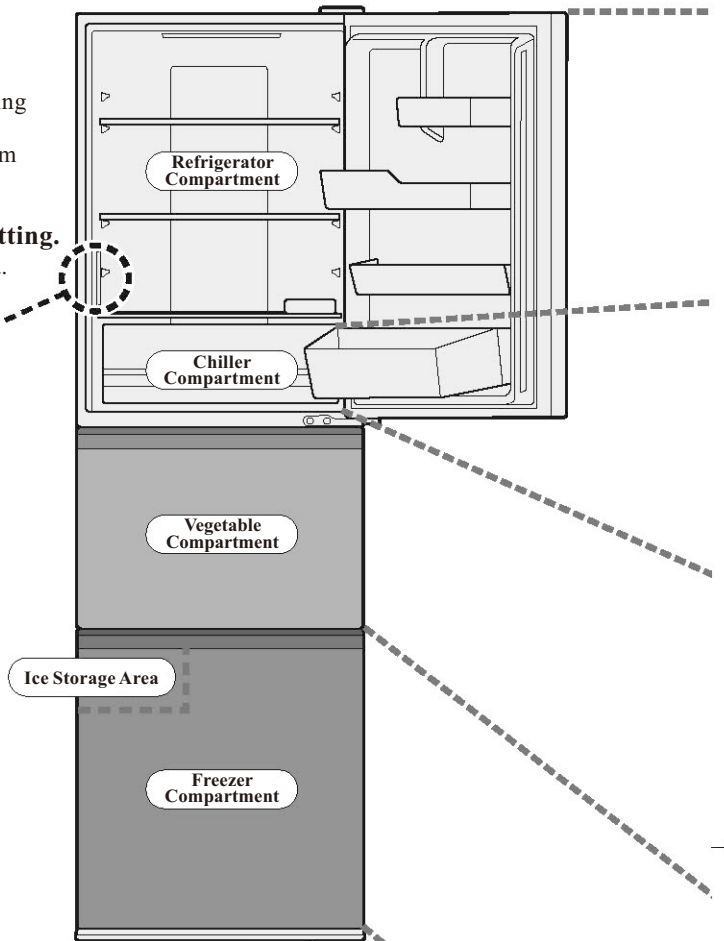
- Each press of the button changes the temperature in the following order:  
Medium → Medium-High → High → Medium-Low → Medium  
(When “Medium-High” or “Medium-Low” is selected, the corresponding indicator lights will illuminate simultaneously.)  
**Normally, it is recommended to use the “Medium” setting.**
- The temperature of the chiller compartment cannot be adjusted.

### Quick Freezing

Used to freeze food quickly (P. 11)



### Energy-saving Mode



## ■ Temperature Settings and Reference Temperatures (Reference temperatures under the following conditions: ambient temperature at 32°C, no food stored, doors closed, and after stable operation)

Set Temperature Button	Low	Medium-Low	Medium	Medium-High	High
Refrigerator	About 2–3°C higher than “Medium”	~	Approx. <b>3 – 6°C</b>	~	About 2–3°C higher than “Medium”
Freezer	About 2–3°C higher than “Medium”	~	Approx. <b>-20 – -18°C</b>	~	About 2–3°C higher than “Medium”

- “Medium-Low” indicates a medium temperature between “Low” and “Medium”, and “Medium-High” indicates a set temperature between “Medium” and “High”.

## Energy-saving Mode Description











Compared with normal operation mode, the temperature inside the refrigerator will be approximately 1°C higher.

### 1 Press and hold “Quick Freezing” and “Refrigerator” buttons simultaneously for 5 seconds or more.

When a “beep” sounds, the setting is completed and the indicator light turns on.

- The indicator light remains on under “Energy-saving” Mode.
- Repeat the same operation to cancel the mode (the indicator light turns off).
- If cooling seems insufficient, turn off “Energy-saving” Mode.
- When “Quick Freezing” is used during “Energy-saving” Mode, the refrigerator will automatically return to “Energy-saving” Mode after Quick Freezing ends.

## Food Storage Locations

Storage Area	Reference Temperature	Recommended Foods	Reference Storage Time
<b>Refrigerator Compartment</b> (P.10) For everyday food storage	Medium Approx. <b>3-6°C</b>	<ul style="list-style-type: none"> <li>• Eggs, tofu</li> <li>• Beverages</li> <li>• Yogurt</li> <li>• Konjac</li> </ul>	 Ground meat: approx. 2 days
<b>Chiller Compartment</b> (P.10) Suitable for processed foods and refrigerated foods	Chilled storage Approx. <b>0-2°C</b>	<ul style="list-style-type: none"> <li>• Cooked noodles</li> <li>• Fish and meat products</li> <li>• Fermented foods</li> <li>• Dairy products</li> <li>• Refrigerated foods</li> </ul>	 Ground meat: approx. 2-3 days  Raw salmon: approx. 4 days  Beef/pork: approx. 3-5 days
<b>Vegetable Compartment</b> (P.11) Higher humidity helps keep vegetables and fruits fresh	Approx. <b>3-8°C</b>	<ul style="list-style-type: none"> <li>• Vegetables</li> <li>• Fruits</li> <li>• Rice</li> </ul>	 Tomatoes: approx. 10 days (small vegetable drawer)  Spinach: approx. 5 days (main vegetable drawer)  Leafy greens: approx. 7 days (main vegetable drawer)
<b>Freezer Compartment</b> (P.11) For frozen foods and dried foods	Medium Approx. <b>-20-18°C</b>	<ul style="list-style-type: none"> <li>• Ice cubes</li> <li>• Ice cream</li> <li>• Frozen foods</li> <li>• Dried foods, bread</li> </ul>	 Ground meat: approx. 1 month  Raw salmon, beef/pork: approx. 1.5 months  Bread/rice: approx. 2 months

- The temperatures shown in the table above are internal temperature reference values of the refrigerator when the temperature setting is “Medium”. Actual temperatures may vary depending on usage conditions.
- Storage time may vary depending on the freshness of food before storage, freezing method, and usage conditions. It does not extend the shelf life or expiration date indicated on the food.  
(Measurement conditions: ambient temperature at 32°C, with Refrigerator Compartment and Freezer Compartment set to “Medium” and without opening or closing the doors.)

### About Energy-saving Effect

- The following values are reference values under the following conditions: ambient temperature at 32°C in summer and 16°C in winter; Refrigerator Compartment and Freezer Compartment both set to “Medium”; the refrigerator doors closed, and during stable operation.
- The energy-saving effect may vary depending on the usage environment, such as temperature adjustment, surrounding ambient temperature, door opening and closing frequency, and the quantity of food stored in the refrigerator.

#### Energy-saving Effect

Summer (ambient temperature at 32°C):  
0.934 kWh → 0.886 kWh  
 Winter (ambient temperature at 16°C):  
0.389 kWh → 0.361 kWh

### This is energy saving

Energy saving is mainly achieved by reducing the loss of cold air.

#### Do not overfill the refrigerator

Overfilling obstructs cold air circulation. Leave space between food items.

#### Let hot food cool before storage

Hot food will raise the internal temperature of the refrigerator and may affect the freshness of other foods.

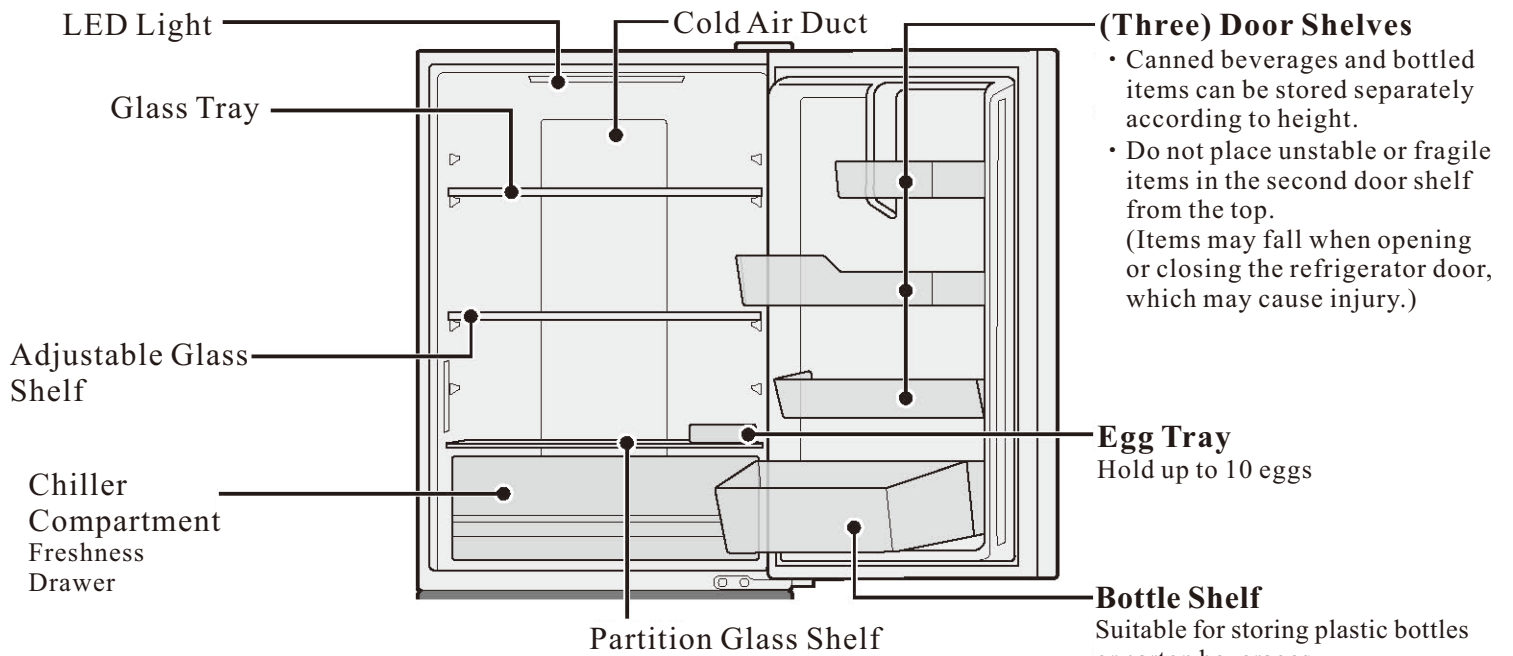


#### Minimize door opening and closing

Close the door promptly to prevent cold air from escaping and to reduce power consumption.

# Instructions for Use

## Refrigerator Compartment/ Chiller Compartment

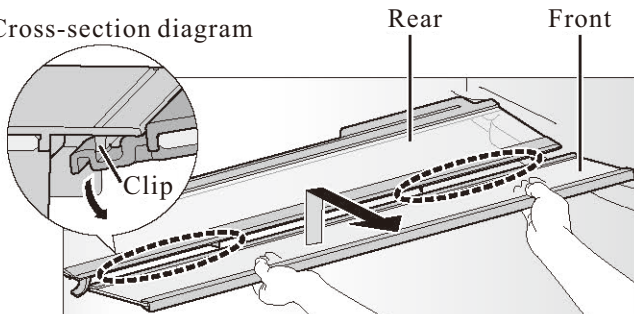


- The food storage capacity is calculated with internal components (such as shelves and drawers) of the refrigerator installed in the designated positions as shown above. (Specification: P.15)  
The egg tray is not included in the calculation.
- Do not wipe off the lubricant on the contact surfaces of the (Chiller Compartment) drawer.  
→If it is wiped off accidentally, please contact your dealer.

### Using the Adjustable Shelf

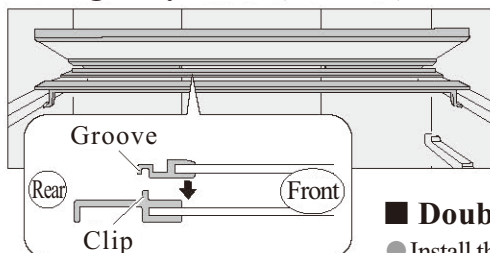
The front and rear sections of the shelf can be used separately according to the height of food items.

Cross-section diagram



- Lift the front end of the shelf, release the clips on both sides, and then pull the shelf forward to remove it.

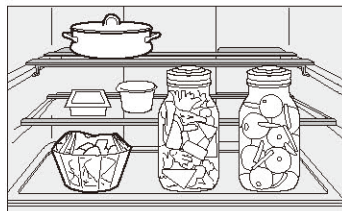
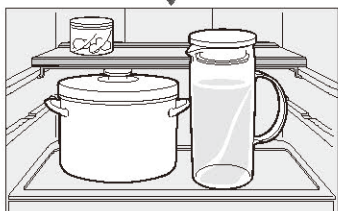
#### Single-layer Use (Stacked)



- Fit the removed shelf into the grooves and projections inside to secure it in place.

#### Double-layer Use

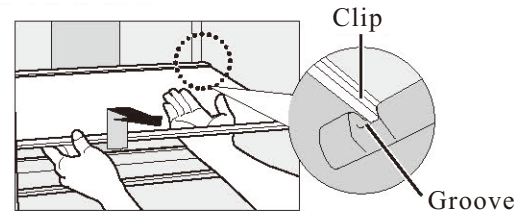
- Install the removed shelf on the lower layer.



### Tray Height Adjustment (Top Level Only)

#### Removal

Lift the rear side to release the clips, then pull the tray forward to remove it.



#### Installation

Insert the tray and fit the clips into the grooves.

### Food Storage Tips

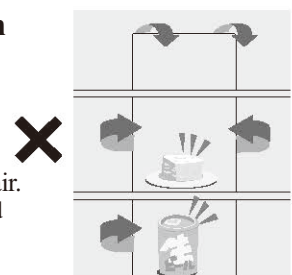
It is recommended to use sealed containers or plastic wrap

- Strong-smelling foods such as green onions (to prevent odor transfer)
- Cut citrus fruits (which may cause plastic parts to discolor)



Do not place foods with high moisture content near the cold air outlet

They may become too cold and freeze due to direct cold air. (For example, beer or carbonated drinks may swell or burst.)



## Vegetable Compartment/ Freezer Compartment

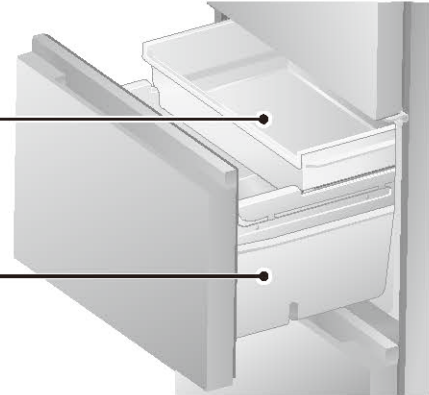
### Stored in Vegetable Compartment

To prevent vegetables and fruits from drying out, please wrap them in plastic wrap before storage.  
When beer bottles need to be thoroughly chilled in summer, it is recommended to place them in Refrigerator Compartment.

#### Small Vegetable Drawer

#### Main Vegetable Drawer

Bottled beverages can also be stored in the space in front of the drawers.



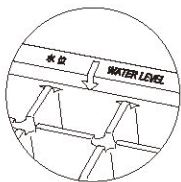
- Do not store food above the height of small vegetable drawer or main vegetable drawer. Otherwise, the following problems may occur: The refrigerator door cannot be closed completely; condensate water may form; food, drawers or surrounding components may be damaged.

### Stored in Freezer Compartment

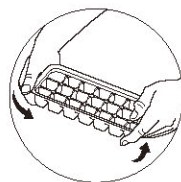
#### Making Ice



Ice Tray



Fill water up to the water level line.



Twist the ice tray gently to remove the ice.

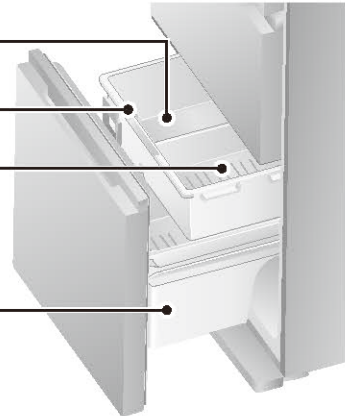
Store the ice cubes in Ice Storage Area of Upper Freezer Drawer.

#### Ice Storage Area

#### Ice Scoop

#### Upper Freezer Drawer

#### Main Freezer Drawer



- Do not store food above the height of Upper Freezer Drawer or Main Freezer Drawer. (Otherwise, the following problems may occur: The refrigerator door cannot be closed completely; condensate water may form; food, drawers or surrounding components may be damaged.)

### Quick Freezing Function (Using Upper Freezer Drawer)

This function allows you to freeze cooked rice or dishes quickly.  
(There is no need to take out other food items from Freezer Compartment, but leave some space when placing the food.)

Press “Quick Freezing”

Indicator light:  
ON: Quick freezing in progress  
OFF: Normal freezing

- Quick freezing automatically ends after approx. 160–270 minutes. (The required time may vary depending on the installation environment.)
- If quick freezing starts during defrosting, it will begin after defrosting is complete, so the end time may be extended sometimes.
- Please place hot food in after cooling.
- Do not place cold food next to hot food.
- Quick freezing consumes more electricity than normal freezing.
- “Energy-saving Mode” can be set during quick freezing, but it will not reduce actual power consumption. After quick freezing ends, the refrigerator will automatically resume Energy-saving Mode.

#### ■ Stop Quick Freezing Midway

Please press the “Quick Freezing” button again  
(The indicator light will turn off)

# Cleaning and Maintenance

Be sure to unplug the refrigerator before cleaning.

## Cleaning Tips

### Wipe up stains promptly

- Stains inside the refrigerator can harden due to cold air. Wipe them up before hardening. (Cooking oils may cause plastic components to crack, and citrus juices may cause discoloration.)
- For stubborn stains, use a diluted neutral kitchen detergent, then wipe with clear water.



### Handle liquid spills promptly

If beverages or other liquids are spilled, blot with a dry cloth quickly to absorb them and clean the area.

### Annual cleaning of hard-to-see areas

- Dust can accumulate in gaps around the power outlet and the refrigerator (back, walls, floor, etc.) due to airflow, causing dirt and discoloration. After cleaning, remove and clean the bottom leg cover as well. (P6)



## Notes

- Wring the wet cloth thoroughly when wiping. (Otherwise, water may enter gaps and cause failure of electrical components.)
- For stubborn suction cup marks, use a diluted neutral kitchen detergent, then wipe with clear water and dry with a dry cloth.
- Regarding the evaporation tray (P. ), pour out any accumulated water and remove residual dirt from the bottom. (Otherwise, poor evaporation, water overflow, unpleasant odors, etc. may occur.)
- Door gaskets are delicate; wipe them immediately if dirty. (Otherwise, cold air may leak.)
- Plastic components, such as ice tray, should not be cleaned in a dishwasher. (Otherwise, components may deform.)
- Do not use the following items. (Otherwise, they may damage surfaces)



Kitchen detergents (other than neutral detergents)  
Glass cleaners  
Chlorine-based bleach (may cause plastic to crack)

Alkaline cleaners  
Weakly alkaline cleaners



Kitchen cloths containing salts (may cause rust on door surfaces)



Cleaning powders  
Powdered soap



Gasoline  
Thinner  
Alcohol



Steel wools  
Abrasive sponges



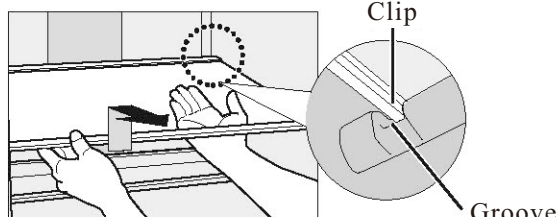
Hot water

## Tray/Shelf/Adjustable Shelf (Glass)

Clean every three months

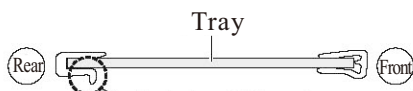
### Tray/Shelf

Release the rear clips and pull the tray/shelf forward to remove it.



(on the left and right inner sides of the tray)

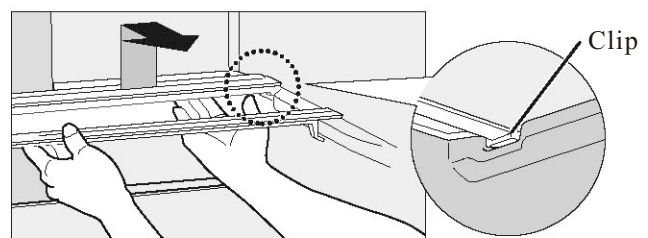
### [Side View]



When inserting a tray, make sure the clips are positioned at the rear lower side; otherwise, the tray cannot be secured.

### Adjustable Shelf

First, remove the front shelf (P.8). Release the rear left and right clips, then pull the adjustable shelf forward to remove it.



## Notes

- Trays, shelves, and adjustable shelves are made of glass and relatively heavy. Handle with care to prevent dropping, breakage or injury.

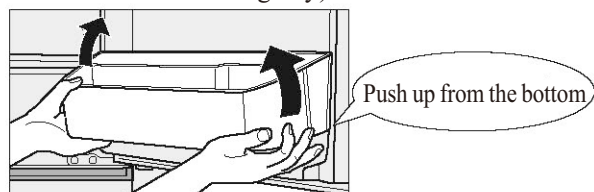
## Door Shelf/Bottle Shelf

Clean every  
three months

### ■ Removal

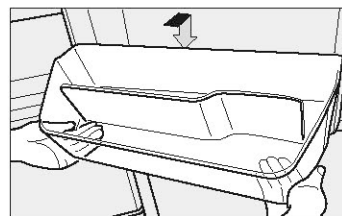
Gently lift smaller shelves from the bottom to remove them. Lift larger shelves alternately from left and right sides while tilting forward to remove them.

(Shelves are installed tightly)



### ■ Installation

Tilt the shelf slightly forward, insert it, and secure in place.



### Notes

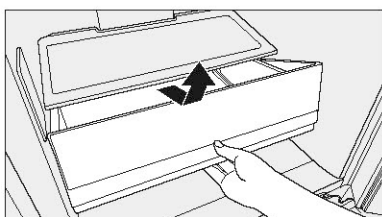
If you want to remove a bottle shelf, first remove the door shelf above it before attempting removal.

## Drawer (Chiller Compartment/Vegetable Compartment/Freezer Compartment)

Clean every  
three months

### Chiller Compartment Drawer

- ① Fully pull out the drawer.
- ② Lift the front end and remove the drawer diagonally.



### Small Vegetable Drawer/Upper Freezer Drawer

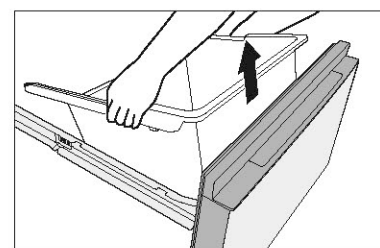
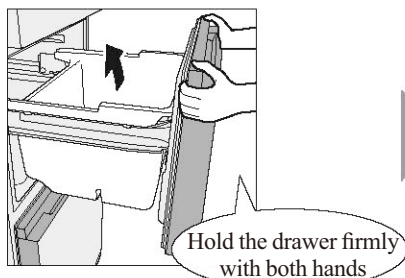
#### Remove diagonally upward

Fully pull out the drawer. Lift the front end and remove it diagonally.



### Main Vegetable Drawer/Main Freezer Drawer

- ① Pull out the drawer.
- ② Lift the pulled-out door panel and place it on the floor.
- ③ Remove the drawer.



### Notes

**Do not wipe off the lubricant on the drawer rails or the rail contact surfaces.**

→If it is wiped off accidentally, please consult your retailer. (The lubricant complies with the standards of the food hygiene law.)


- When reinstalling the small vegetable drawer after removal, make sure that the “FRONT” mark on the bottom of the drawer faces forward.
- If the drawer has been washed with water, drain thoroughly and wipe off any remaining droplets before reinstallation.

# In case of the following situations

Situation	Solution
Power outage	<ul style="list-style-type: none"> <li>● To prevent the loss of cold air, reduce opening and closing of the doors and avoid adding new food items.</li> <li>● If the refrigerator is in “Quick Freezing” mode, reset it after power is restored.</li> </ul>
Power plug unplugged	<ul style="list-style-type: none"> <li>● Wait at least 7 minutes before plugging in again. (Immediate plugging in may increase compressor load and cause malfunction)</li> </ul>
Interior light not working	<ul style="list-style-type: none"> <li>● Please contact your retailer for consultation.</li> </ul>
Refrigerator not used for a long time	<ul style="list-style-type: none"> <li>● Remove all items from the refrigerator and clean it.               <ol style="list-style-type: none"> <li>① Unplug the power cord.</li> <li>② Clean the interior. (P.10-P.11)</li> <li>③ Leave the doors open for 2–3 days to dry. (Insufficient drying may cause moldy odors)</li> </ol> </li> </ul>
Rehoming, moving or transporting the refrigerator	<ul style="list-style-type: none"> <li>● Ensure that at least two persons handle the move, and do not lay the refrigerator horizontally. (Otherwise, injury or equipment malfunction may occur)               <ol style="list-style-type: none"> <li>① Remove all food items.</li> <li>② Release the anti-tilt fixing strap and unplug the power cord.</li> <li>③ Remove the bottom leg cover and retract the adjustable legs. (P.6) (For transport, remove the bottom leg cover.)</li> <li>④ Wipe out water in the evaporation tray with a dry towel.</li> <li>⑤ Place protective padding during transport. (Residual water may remain)</li> </ol> </li> </ul> <div data-bbox="831 1383 1469 1598" style="text-align: center;"> </div> <div data-bbox="630 1627 817 1671" style="border: 1px solid black; border-radius: 10px; padding: 2px; display: inline-block;">Reminder</div> <ul style="list-style-type: none"> <li>● If frost inside the refrigerator has not completely melted, water may drip onto the floor during moving or transport. (It takes about 15 hours for the frost on the cooler to fully melt after unplugging the power cord.)</li> <li>● Be careful not to touch the compressor or pipes to avoid burns or scratches.</li> </ul>

# Is there a malfunction?

Before contacting for consultation or requesting repair, please check the followings first.

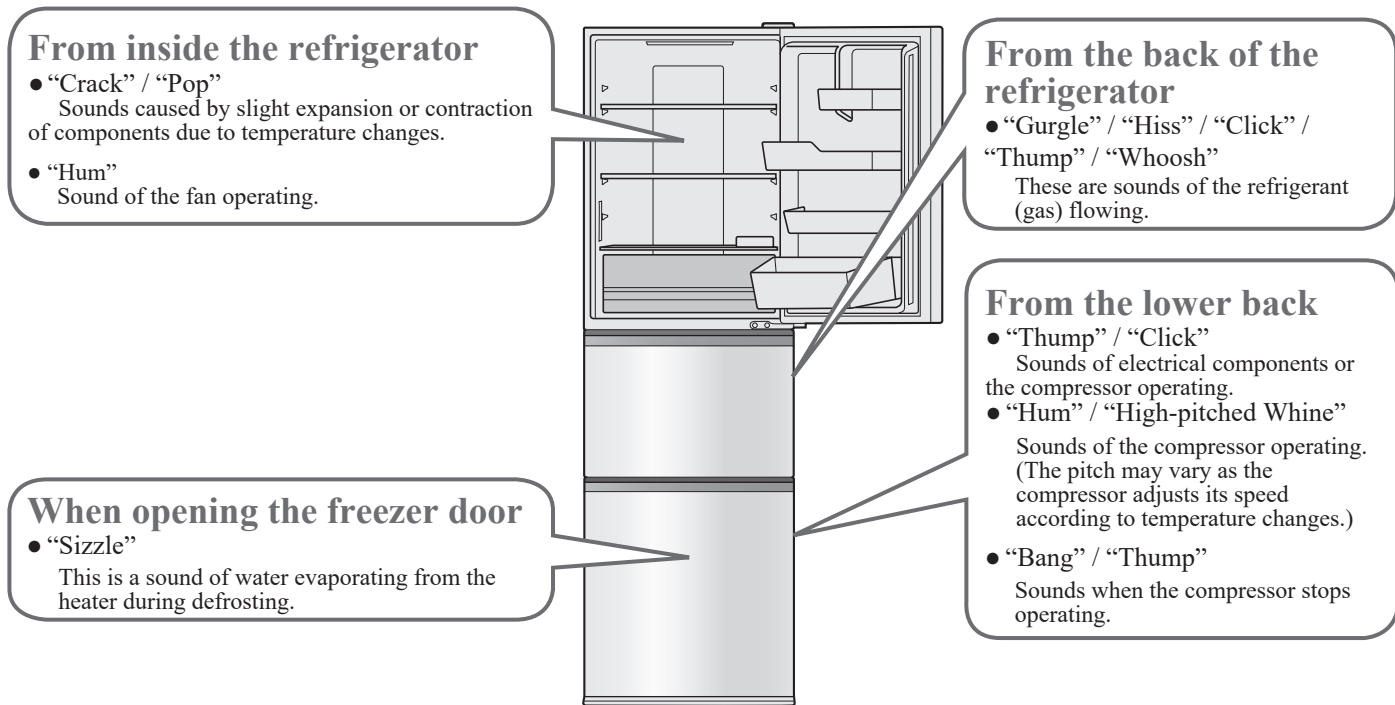


- The refrigerator is not cooling properly
- Something seems unusual...?

If this occurs, try the following steps first:

- ① Unplug the power cord.
- ② Wait at least 7 minutes, then plug it back in and observe the situation.

The following sounds are normal



Symptoms	Causes and Solutions
<div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold; padding-right: 5px;">Sound</div> <div style="border: 1px solid gray; padding: 5px; width: 80%;"> <p>“Bang”</p> <p>“Thump”</p> </div> </div>	<ul style="list-style-type: none"> <li>● Is the refrigerator placed on a firm, level floor with the adjustable legs properly fixed? (P.6)</li> <li>● Are the sides, back of the refrigerator, or the power cord touching the wall or furniture? (P.6)</li> </ul>
<div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold; padding-right: 5px;">Sound</div> <div style="border: 1px solid gray; padding: 5px; width: 80%;"> <p>“Beep Beep Beep”</p> </div> </div>	<ul style="list-style-type: none"> <li>● Is the Refrigerator Compartment door not closed? →Please close the door.</li> </ul>
<div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold; padding-right: 5px;">Sound</div> <div style="border: 1px solid gray; padding: 5px; width: 80%;"> <p>Louder noise</p> </div> </div>	<ul style="list-style-type: none"> <li>● When newly installed, if the refrigerator has not fully cooled, or during frequent door opening and closing, high ambient temperature, or Quick Freezing operation, the compressor or fan may run at high speed, causing slightly louder noise.</li> </ul>
<div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold; padding-right: 5px;">Sound</div> <div style="border: 1px solid gray; padding: 5px; width: 80%;"> <p>Continuous sound</p> </div> </div>	<ul style="list-style-type: none"> <li>● The inverter-controlled compressor adjusts its speed, so it may run continuously at times. This is normal.</li> </ul>
<div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold; padding-right: 5px;">Sound</div> <div style="border: 1px solid gray; padding: 5px; width: 80%;"> <p>Knocking sound</p> </div> </div>	<ul style="list-style-type: none"> <li>● If the floor is uneven or the door is closed too forcefully, the refrigerator may wobble and produce a sound. →If the floor is uneven or the door is closed too forcefully, the refrigerator may wobble and produce a sound. (P.6)</li> </ul>

# Is there a malfunction? (Continued)

	Symptom	Cause & Solution
Body	Surface is very hot	<ul style="list-style-type: none"> <li>To dissipate heat generated during cooling, the surface temperature may reach 50-60°C when newly installed or in summer (ambient temperature at 30°C). This is normal.</li> </ul>
	Side appears deformed	<ul style="list-style-type: none"> <li>Slight deformation or ripples may occur during manufacturing. This is not a malfunction.</li> </ul>
	There are fine lines similar to scratches on plastic components	<ul style="list-style-type: none"> <li>These are resin flow marks from plastic molding. They do not affect the strength of the components and will not cause cracking.</li> </ul>
Door	Other doors open when closing one door	<ul style="list-style-type: none"> <li>The air pressure generated when closing one door may cause other doors to pop open briefly. →Close the doors slowly and firmly.</li> </ul>
	It feels tight when opening immediately after closing	<ul style="list-style-type: none"> <li>Air entering the refrigerator is quickly cooled, temporarily creating lower internal pressure than outside, causing a suction effect.</li> </ul>
	The door is not tightly closed	<ul style="list-style-type: none"> <li>Are any foods protruding from trays or shelves? Are additional storage accessories installed? →Rearrange foods and close the door properly.</li> </ul>
Odor	An unpleasant smell inside the refrigerator	<ul style="list-style-type: none"> <li>Store strong-smelling foods in sealed containers.</li> <li>Are there any stains inside the refrigerator? →Wipe the interior with a cloth dampened in warm water.</li> </ul>
Cooling	Not cooling at all	<ul style="list-style-type: none"> <li>Is the power plug loose or has the circuit breaker tripped?</li> <li>Is there a power outage?</li> </ul>
	Poor cooling effect	<ul style="list-style-type: none"> <li>The refrigerator may take about 4 hours to fully cool. (In high ambient temperatures e.g. summer, it may take more than 24 hours.)</li> <li>Is the temperature set to “Low”? →Adjust to “Medium”. (P.8、 9)</li> <li>Is “Energy-saving Mode” activated? → Turn it off. (P.8、 9)</li> <li>Are the air outlets blocked by foods? (P.10)</li> <li>Is the refrigerator exposed to direct sunlight or placed near any heat-generating equipment? (P.6)</li> <li>Is there enough space around the refrigerator for heat dissipation? (P.6)</li> <li>Has any hot food been placed inside, or is the door frequently opened, or is there excessive food inside?</li> <li>Is the bottom leg cover clogged with dust? (P. )</li> </ul>
	Frost or water droplets	<ul style="list-style-type: none"> <li>During high humidity, have the doors been left open or frequently opened?</li> <li>Are any objects, e.g. commercially available tube-shaped racks, preventing the doors from closing fully?</li> <li>To prevent vegetables from drying, Vegetable Compartment has higher humidity. (Vegetable Compartment)</li> <li>During high humidity, water droplets may form on the exterior or nearby surfaces. →Wipe with a dry cloth.</li> </ul>
	Foods freezing	<ul style="list-style-type: none"> <li>Is the temperature set to “High”? → Adjust to “Medium” (P.8、 9)</li> <li>Is the ambient temperature below 5°C? →Set the temperature to “Low” (P.8、 9)</li> <li>Have you placed foods with high moisture content near the cold air outlet (P.10) or in Chiller Compartment?</li> </ul>

# Specification

Model	<b>NR-C280H-W3</b> <b>NR-C280H-S3</b>
Total Capacity	284 L
Refrigerator Compartment Capacity	146 L
Vegetable Compartment Capacity	71 L
Freezer Compartment Capacity	67 L
External Dimensions Width × Depth × Height	540 mm X 625 mm X 1750 mm
Weight	57 kg / 126 lb
Rated Voltage Rated Frequency	The mass indicated in Refrigerator Compartment refers to the label inside the compartment.

The capacity of this refrigerator is designed according to IEC 62552-3:2020.

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- 該產品主要適用於家用電器及其相關應用，例如
  - 商店、辦公室和其它工作環境的員工食堂；
  - 農舍和住有旅客的酒店、旅館以及其他居住環境；
  - 放置床和吃早餐的環境；
  - 餐飲和相關非零售應用。

## ■ 為了節約能源

- 不要把食物塞滿夾層裡。  
否則可能阻礙冷氣進入。食物之間要保持足夠的空隙。
- 僅在需要的時候才打開門。  
降低門開/閉的次數阻止冷氣溢出並且降低耗電量。
- 不要讓食品阻塞冷氣出口。  
如果冷氣不能擴散到夾層的各個角落，內部就不能達到冷藏效果而且會消耗更多的電量。
- 冷氣從後面的排放管中排放出去。
- 在食物和飲料冷氣後進行儲存。  
否則，它們不僅會提高內部的溫度，而且會影響其他食品的保鮮。

## ■ 處理包裝袋








請盡可能回收可再利用的物料（例如 紙板、塑膠袋、膠帶和泡沫）並且確保你穩妥地處理了其他包裝材料。

包裝袋應該放置在兒童不能觸及的位置避免兒童受到傷害或導致窒息。

# 安全須知

## 安全標識含義

 請勿	 請務必遵守	 表示該設備必須接地，以防觸電
 請勿拆開		 警告；可燃/易燃材料的風險



中文



表示有死亡或嚴重傷害的風險。



- 警告：除生產商推薦的設備外，否則不得使用機械設備或其他設備加速除霜過程。
- 警告：不得損壞製冷劑回路。  
(否則，可燃性製冷劑可能會著火引起爆炸。)
- 警告：切勿在本設備的食品儲藏室內使用電器，除非該類電器是由製造商推薦的類型。  
(如果製冷劑洩漏，可能會因對接點火花而引起火災。)
- 切勿在本設備中儲存爆炸性物，如備有易燃壓縮氣體的噴霧罐。
- 警告：不要在設備後部放置多個可攜式插座或可攜式電源。



- 除非有負責其安全的人員指導和監督，否則兒童、身體行動不便或缺乏經驗和常識的人不得使用該設備。請注意監督孩童以確保他們不玩弄此雪櫃。
- 如果設備的電源線或插頭損壞，必須由製造商或其服務代理商或具有類似資格的人員進行更換，以避免發生危險。
- 警告：只裝飲用水。
- 警告：確保雪櫃外殼或內置結構的通風口無阻塞。
- 警告：安放設備時，請確保電源線沒有被卡住或損壞。

### 關於電源插頭和電線……



- 不要用延長電線。
- 不要用濕手插拔電源插頭。
- 不得損壞電源插頭或電線。不要切斷或處理插頭或電線；不得將插頭或電線暴露於高溫下；不得過分彎折、扭曲或拉扯插頭或電線；不得在插頭或電線上放置重物；不得將插頭或電線成束排列。  
→聯繫經銷商修理插座或電線。
- 不得將雪櫃後部對著電源插座。
- 禁止使用損壞的電線或電源插頭或沒有完全插入插座的插頭。



- 定期清理電源插頭上的污垢，如灰塵。
- 將電源插頭插入自身帶額定電壓和額定電流的牆上插座中，並完全插入。
- 斷開電源插頭時，請握住插頭本身，不要握住電源線。
- 清潔雪櫃前，請拔下電源插頭。
- 當雪櫃長時間不用，請拔下電源插頭。  
(否則，會引起火災或觸電。)

# 安全須知

如果出現異常或故障，應立即停止使用雪櫃並拔出插頭。  
(否則，可能會引起煙霧、火災或觸電。)



異常和故障舉例

- 電源線或插座異常熱
  - 電源線有深的切口或明顯變形
  - 有燒焦氣味
  - 你可以強烈地感覺到電流
- 立即聯繫經銷商進行檢查和修理。

## 雪櫃頂部……



- 不得放置任何東西。  
否則，可能會因為振動而掉落並造成人身傷害。
- 不得在頂蓋上放置任何東西。  
(否則，部件可能會變形，引起觸電。)



## 使用……



- 不得吊在或依靠在門上。
- 雪櫃外殼或內部不得用水。  
(否則，電絕緣劣化並可能引起觸電或火災。)
- 請勿觸摸制冰盒上的機械裝置。
- 當制冰功能開啟時，不得移動制冰盒。
- 不得在雪櫃中儲存可燃物品。
- 不得儲存化學物品或科學標本。
- 在雪櫃附近，切勿使用易燃化學物品。
- 不得對玻璃門施加高衝擊力。  
(否則，玻璃可能會破裂並造成傷害。)  
→如發現玻璃上出現裂縫，不要觸摸玻璃，請立即諮詢經銷商。



- 應照看好兒童以確保雪櫃正確使用。

## 安裝……



- 不得將雪櫃安裝在碰到水的位置。
- 不得在雪櫃周圍空隙填塞其他物品。  
(如製冷劑洩漏，可能會引起火災。)



- 提供防止因地震等原因導致的翻倒的安全措施。



- 確保雪櫃插頭接入接地電源插座。  
不得插入未接地電源插座。(3腳插頭)

## 雪櫃的處置和回收……



- 當回收雪櫃時，拆下雪櫃門時，以防有小童擅自藏身櫃內，發生意外。
- 可燃氣體用於製冷劑。  
以及環戊烷用於雪櫃保溫。  
廢棄雪櫃時，請以妥善的方法加以丟棄。
- 在雪櫃的整個使用壽命期間，需保持上述警告標識完好無損。  
在將雪櫃運輸至另一地點以或交付給回收廠時，這些使用說明書應移交至會使用或處理雪櫃的人。

## 緊急情況……



- 請勿打開頂蓋和後蓋。
- 請勿拆卸、修理或改裝雪櫃。  
(否則, 會造成人身傷害、燒傷或觸電。)



- 如果發現氣體(如城市煤氣)洩漏, 請勿觸碰雪櫃, 並打開窗戶使廚房通風。
- 該雪櫃的製冷劑為易燃。如果冷卻回路(管道)損壞, 請打開窗戶使廚房通風並與經銷商聯繫。
- 維修工作必須由受過訓練的技師在工場進行。  
(否則, 可能會引起電擊、著火或爆炸。)



表示有人身傷害或財產損失風險。

注意

## 儲存食物……



- 不得對玻璃置物架施加高衝擊力。  
(否則, 玻璃置物架可能會損壞, 你可能會受傷。)
- 不得使食物從玻璃擱架中突出出來。
- 如果食品容器不能達到擱架底部, 請勿將其放在門架上。  
(否則, 食物可能會掉落並造成人身傷害。)
- 不得冷凍瓶子。  
(如果玻璃瓶中的液體凍結, 瓶子可能會破損, 你可能會受傷。)
- 切勿使用濕手觸摸冰凍的食品或容器(特別是金屬容器)和鋁板。  
(否則, 你可能會凍傷手。)
- 切勿吃已變質或變色的食物。  
(腐爛食物可能會引發疾病。)

## 開/關雪櫃門 ……



- 當其他人在接觸到雪櫃時不得開/關雪櫃門。
- 開/關門時, 切勿將手指放在冷藏室縫處。
- 切勿握住抽屜上部開/關製冰室和新鮮凍結室。
- 切勿將腳放在底層抽屜下。  
(否則, 可能會夾住你的腳趾。)
- 切勿過度用力開/關雪櫃門。  
(否則, 食物可能會掉落並造成人身傷害。)



## 清潔……



- 切勿直接觸碰金屬軌。
- 請勿將手或腳放入雪櫃底部下方。  
(金屬板邊緣可能會造成人身傷害。)

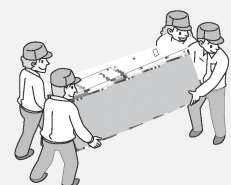


- 安裝或取下玻璃擱架時, 請小心。  
(掉落的玻璃擱架可能會導致玻璃擱架損壞或由於玻璃擱架損壞而導致人身傷害。)

## 移動或搬運雪櫃……



- 將配有可調校的雪櫃腳的雪櫃安裝在平坦堅實的地板上。  
(否則, 雪櫃可能會移動或傾倒, 造成人身傷害。)
- 為脆弱的地板表面鋪上防護層等。
- 當運送雪櫃時, 請使用把手並由至少兩位工作人員搬運。  
(否則, 你的手可能會打滑並導致受傷。)



# 安裝

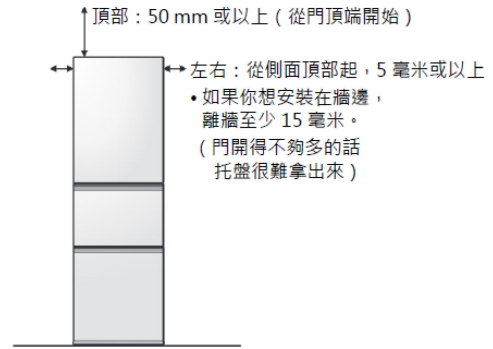
## 選擇正確的位置

### 1. 雪櫃放置環境。

- 遠離熱源並避免陽光直射以盡可能減少製冷能力並防止電力浪費。
- 濕度較低的良好通風位置以免生鏽或冷凝。
- 堅實平坦的地板  
當放置於鋪有地毯、榻榻米墊子或乙烯基地板上時，請在雪櫃下面鋪墊結實的墊板以防止地毯變形或變色。
- 將雪櫃遠離其他設備放置以防止噪音干擾和不正確的圖像顯示在電視和其他設備上。
- 放置於便於清潔電源插座的地方。  
定期清潔灰塵。  
(以免引起火災。)

### ● 散熱良好的位置

振動噪音、牆壁變色或背面冷凝對你造成干擾時，將雪櫃放置在距離牆壁30毫米或更遠處。



### ■ 首次使用雪櫃前（第45頁 ~ 第47頁）

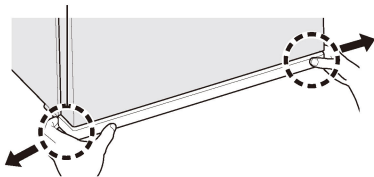
- 請使用濕的軟布擦拭雪櫃內部。
- 請沖洗制冰盒。

### 2. 雪櫃安裝。

- 如果雪櫃安放不平穩，開/關雪櫃門時會出現敲擊聲。  
(這會影響雪櫃的工作性能。)  
將雪櫃安裝在堅實平坦的地板上。
- 由於安裝地點或所使用地板的傾斜角度，雪櫃門可能會降低。

#### ① 拆下底部腳蓋。

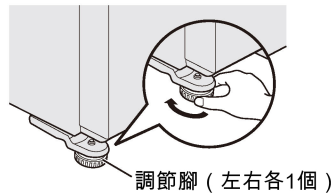
將左右旋鈕（腳蓋內側）向外旋轉拆下，然後向前拉。



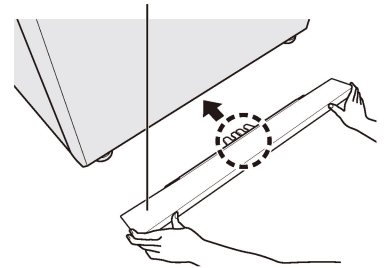
#### ● 切實固定底部腳蓋。

即使向前拉也難以取下時，請稍微打開一點冷凍室的門並斜向上取出。

#### ② 水準固定。

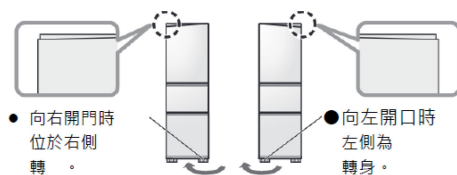


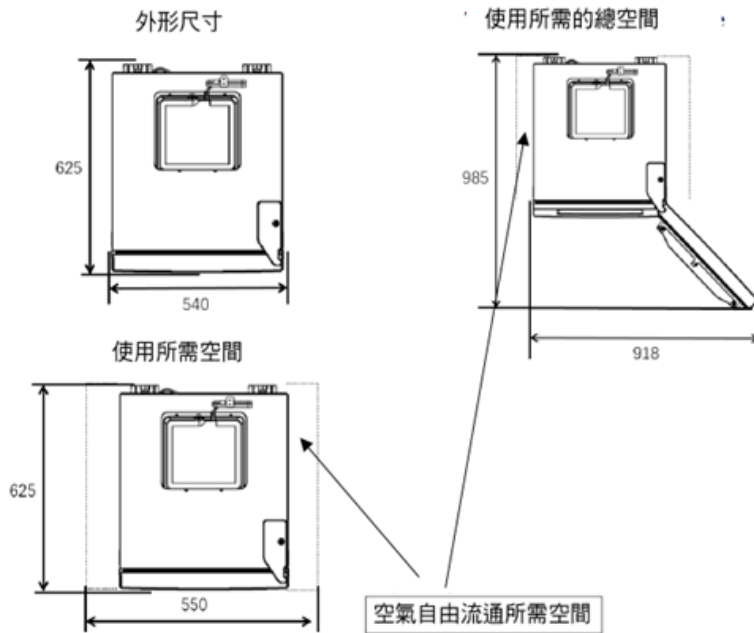
#### ③ 兩手筆直插入。



### ■ 雪櫃門向下傾斜

- 由於食品負載或地面的適應性，在安裝4至5天內雪櫃門也可能會傾斜。在這種情況下，重新調整可調校的雪櫃腳以調節平穩。





### 3. 插頭插入壁裝電源插座。

將插頭插入與其相配的額定電壓和電流的壁裝電源插座。

- 安裝後電源插頭可以立即插入插座。
- 當接通電源時，雪櫃周圍及表面（側面）可能會非常熱。  
（當環境溫度為30°C，其溫度約50°C至60°C），這是正常現象。（第32頁）
- 拔掉電源插頭後，至少保持間隔7分鐘，才能再次插電。（第30頁）

### 4. 雪櫃內部冷卻。

- 安裝內部冷卻大約需要4個小時。
- 夏天雪櫃內部均勻冷卻需要24個小時或更長時間。
- 雪櫃內部完全冷卻後，方可制冰。
- 雪櫃內部完全冷卻前，切勿開/關雪櫃門。  
（暖空氣流會進入內部阻礙冷卻功能。）

#### 須知事項

- 請勿將物品放置於雪櫃頂部。  
雪櫃頂部的壓縮器運行產熱，也會使其變熱。  
如果熱量難以釋放，可能會降低雪櫃的冷卻能力。



#### 備註

- 在安裝後，噪音變大，這是因為雪櫃內部還沒有降溫，壓縮器或風機以高速旋轉運行，但是這種現象是正常的。  
（雪櫃內部冷卻後，噪音會變小。）

# 使用方法

## 控制面板

### ■ 控制面板按鈕的功能 (圖示為您購買時的默認設置)

指示燈以綠色燈光顯示。

#### 溫度設定

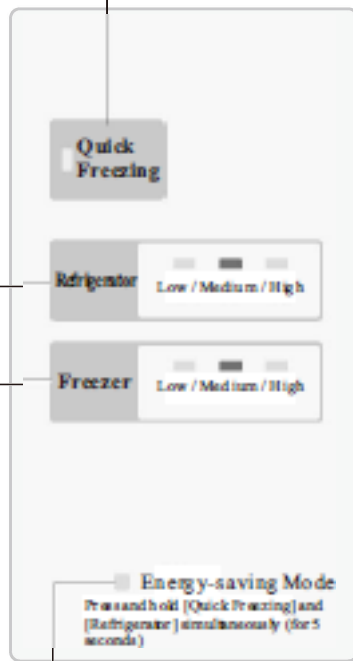
- 每按一次按鈕，溫度將按以下順序切換：  
中 → 中強 → 強 → 弱中 → 中  
(“中強” “弱中” 時會同時點亮指示燈)

通常建議保持在“中”檔使用。

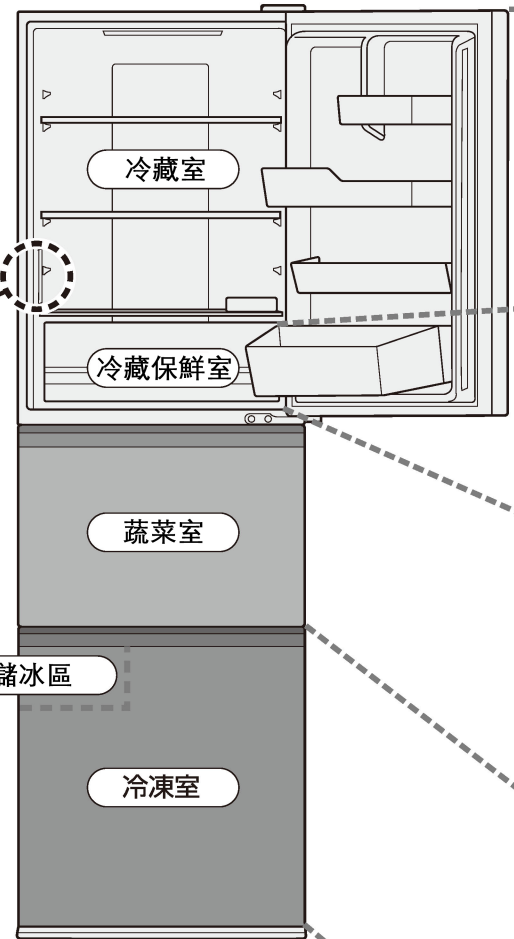
- 冷藏保鮮室的溫度不能調節。

#### 速凍

快速冷卻 (詳見第27頁)



節電



### ■ 溫度設定與溫度參考 (環境溫度32°C、未放入食品、關門並穩定後的參考溫度)

按鍵名稱 \ 設定溫度	弱	弱中	中	中強	強
冷藏	比“Medium”高約2°C~3°C	~	約 <b>3°C</b> ~ <b>6°C</b>	~	比“Medium”低約2°C~3°C
冷凍	比“Medium”高約2°C~3°C	~	約 <b>-20°C</b> ~ <b>-18°C</b>	~	比“Medium”低約2°C~3°C

- “弱中”表示“弱”和“中”的中間溫度，“中強”表示“中”和“強”之間的設定溫度。

#### 節能模式說明

與普通運行模式相比，會把冰箱內部溫度提高約1°C。  
夏季約省電5%；冬季約省電7%。

- 同時按住 **Quick Freezing** 和 **Refrigerator** 按鈕5秒以上

(聽到“嗶”聲後設定完成，指示燈亮起。)

- “節能”模式下指示燈常亮。
- 再次同樣操作即可解除。(指示燈熄滅)
- 如果感覺製冷不足，請關閉“節能”模式。
- “節能”模式中使用“速凍”時，在速凍結束後會自動恢復“節能”模式。

## 食品存放位置

存放區域	溫度參考	推薦食品	保存時間參考
<b>冷藏室</b> (P.26) 日常食品存放。	中 約 <b>3°C ~ 6°C</b>	• 雞蛋、豆腐 • 飲料 • 優酪乳 • 魔芋	 肉餡 約2天
<b>冷藏保鮮室</b> (P.26) 適合加工食品和冷藏食品的保存。	冷藏保鮮 約 <b>0°C ~ 2°C</b>	• 熟面 • 魚肉製品 • 發酵食品 • 乳製品 • 冷藏食品	 肉餡 約2~3天  生三文魚 約4天  牛肉/豬肉 約3~5天
<b>蔬菜室</b> (P.27) 較高濕度保持瓜果蔬菜新鮮。	約 <b>3°C ~ 8°C</b>	• 蔬菜 • 水果 • 大米	 番茄 約10天 (小蔬菜盒)  菠菜 約5天 (蔬菜室主抽屜)  青菜 約7天 (蔬菜室主抽屜)
<b>冷凍室</b> (P.27) 冷凍食品和乾貨。	中 約 <b>-20°C ~ -18°C</b>	• 冰塊 • 霜淇淋 • 冷凍食品 • 乾貨、麵包	 肉餡 約1個月  生三文魚、 牛肉/豬肉 約1.5個月  麵包/米飯 約2個月

- 上表中的溫度是溫度設定為“中”時冰箱內部溫度的參考值，但會因使用條件不同而有所變化。
- 保存時間會因食品在保存前的新鮮度、冷凍方式以及使用狀況不同而有所差異，並不能起到延長食品標示的保質期或食用期限的作用。（測量條件：環境溫度32°C，冷藏室和冷凍室均設定為“中”，且不進行開關門操作時。）

### [關於節電效果]

- 以下資料是在環境溫度夏季為32°C、冬季為16°C的條件下，冷藏室設定為“中”、冷凍室設定為“中”，冰箱門關閉並在運行穩定時的參考值。
- 節電效果會因使用環境不同而有所變化，例如：溫度調節、周圍環境溫度、開關門的頻率、冰箱內食品數量等。

效果：夏季（環境溫度32°C）  
0.934 kWh → 0.886 kWh  
冬季（環境溫度16°C）  
0.389 kWh → 0.361 kWh

### 這就是節能

### 節能的基本就是節約冷氣！

#### 不要塞得太滿

冷氣流通變差。食品之間應留出空隙。

#### 熱的食物要先放涼

否則會提高冰箱內部溫度，影響其他食物的新鮮度。

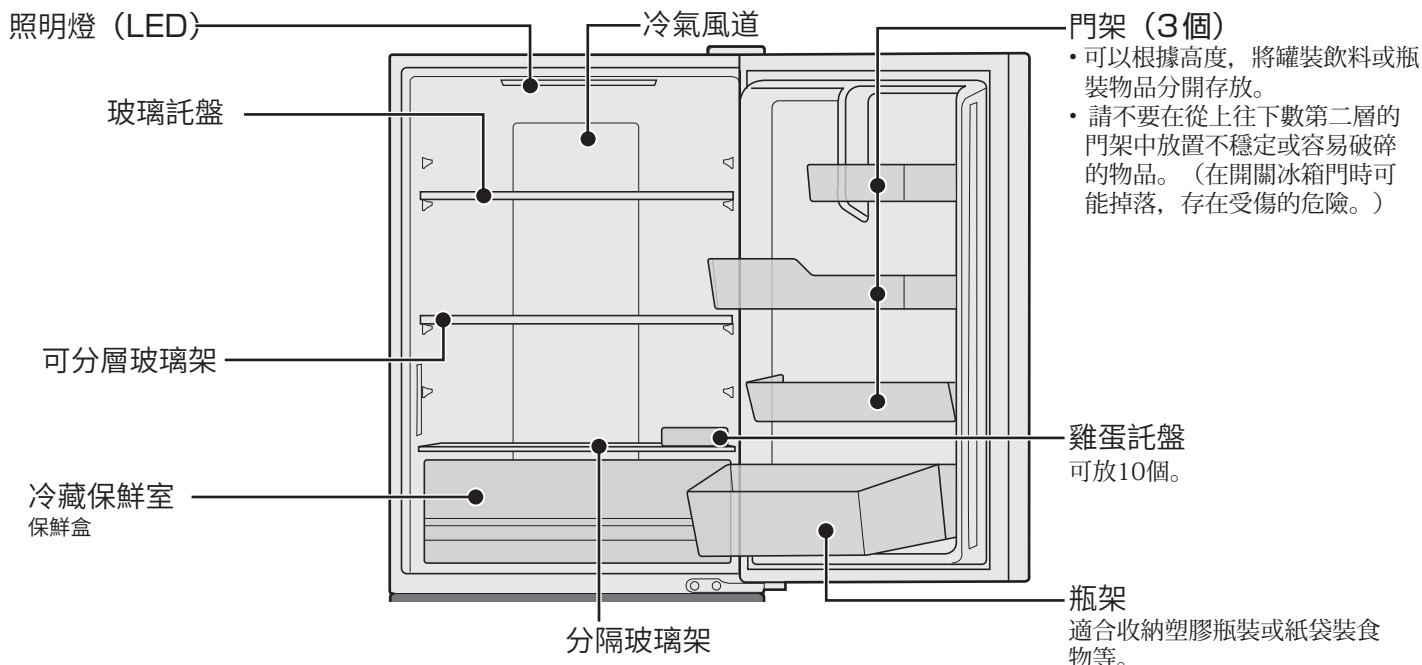
#### 儘量減少開關門

及時關門可以防止冷氣流失，減少電力浪費。



# 使用說明

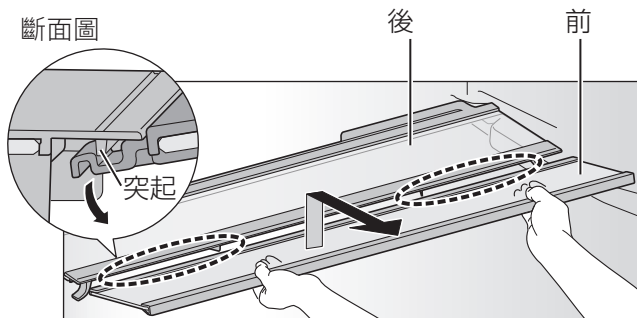
## 冷藏室/冷藏保鮮室



- 食品儲存空間容量是按照上圖所示，將冰箱內部部件（如擱架、抽屜等）按指定位置安裝後計算得出的。不過，計算時未包含雞蛋託盤。
- 請不要擦拭抽屜（冷藏保鮮室）接觸面的潤滑劑。如果不慎擦掉，請聯繫銷售店諮詢處理。

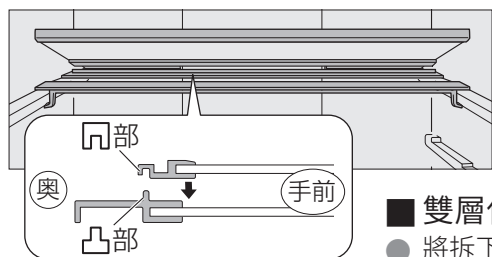
### 可分層擱架的使用方法

可以根據食品高度，把前後擱架分開使用。



- 抬起擱架前端，取下左右卡扣，然後向前拉出。

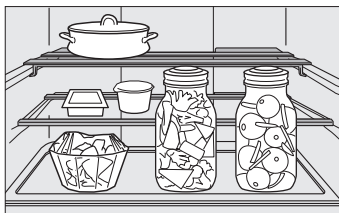
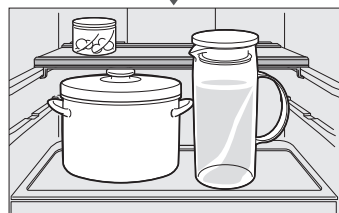
#### 單層使用（疊放）



- 將拆下的擱架與裡面的凹凸部分扣合

#### 雙層使用

- 將拆下的擱架安裝到下層。

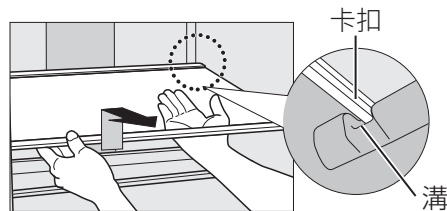


### 託盤高度調整

（僅最上層）

#### 拆卸

抬起後側，使卡扣脫開，再向前拉出。



#### 安裝

插入託盤，將卡扣嵌入凹槽。

### 食品保存技巧

#### 建議使用密封容器或保鮮膜

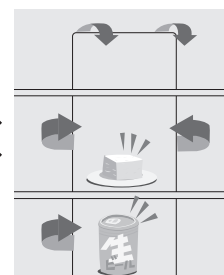
- 蔥類等氣味重食物（串味）
- 切開的柑橘類水果（可能導致塑膠變色）



#### 含水量高的食品不要放在冷風出口附近

太冷，可能會被冷氣凍住。✗

（例如：啤酒、碳酸飲料等，可能出現脹裂或爆裂。）

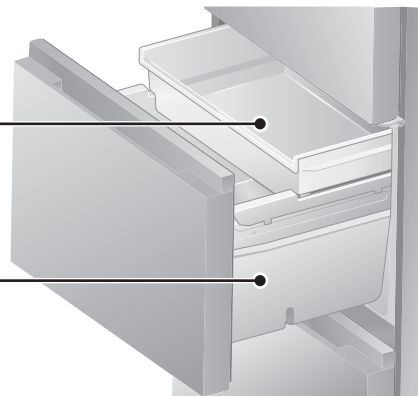


## 野菜室／冷凍室

### 在野菜室保存

蔬菜和水果為防止乾燥，請用保鮮膜包好後再保存。  
在夏季等需要把啤酒瓶充分冷卻時，建議放在冷藏室。

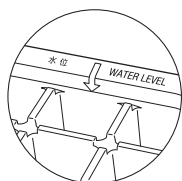
小型蔬菜盒  
野菜室主抽屜  
在抽屜前方也可以存放瓶裝飲料。



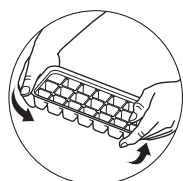
- 放入小型蔬菜盒或野菜室主抽屜的食品，請不要超過抽屜的高度。  
(否則可能導致：冰箱門無法完全關閉；產生冷凝水；食品、抽屜或周圍部件損壞。)

### 在冷凍室保存

#### 製冰



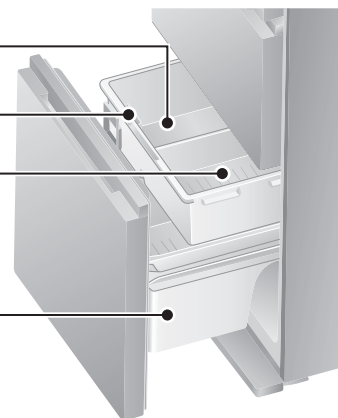
加水至水位線。



制冰盒輕輕扭動即可取冰。

製作好的冰塊請放入冷凍室上抽屜的儲冰區保存。

儲冰區  
冰鏟  
冷凍室上抽屜  
冷凍室主抽屜



- 放入冷凍室上抽屜或主抽屜的食品，請不要超過抽屜的高度。  
(否則可能導致：冰箱門無法完全關閉；產生冷凝水；食品、抽屜或周圍部件損壞。)

### 快速冷凍功能（使用冷凍室上抽屜）

可以將米飯或菜肴快速冷凍。  
(無需取出冷凍室中的其他食品，但請留出空隙再放入)

速凍 按下

顯示燈：  
亮燈：速凍中  
熄滅：普通冷凍

- 約160~270分鐘後自動結束。  
(根據不同的安裝環境，所需時間會有所變化)
- 除霜過程中，如果開始速凍，在完成除霜後即會開始速凍，因此，有時結束時間會有所延長。
- 熱的食物請冷卻後再放入。
- 不要把冷的食物放在熱的食物旁邊。
- 速凍比普通冷凍消耗更多電力。
- 在速凍時，可以設定“節電模式”，但不會實際節電。
- 在速凍結束後，會自動恢復節電模式運行。

#### 中途停止速凍

請再次按下 **速凍** “速凍”即可。  
(顯示燈熄滅)

# 清潔保養

進行清潔時，請務必拔下電源插頭。

## 清潔小技巧

### ■ 及時清理污漬！

• 雪櫃內的污漬容易因冷氣變硬，請在變硬之前及時擦拭。特別是食用油會導致塑膠部件破裂，柑橘類的果汁會導致變色。

• 如果污漬不易清除，請使用稀釋的中性廚房洗滌劑，然後再用清水擦拭。

用溫水擦拭



### ■ 及時處理液體灑漏！

如果飲料等液體灑出，請用幹布迅速按壓吸水，進行清潔。

### ■ 每年一次清潔不易看到的地方

• 插座及雪櫃周圍（背面、牆面、地面等）的縫隙容易因空氣流動積累灰塵，容易變黑污垢。

清理後，尤其是底部腳蓋也要取下清潔。

（第22頁）

清除灰塵



## 注意事項

- 擦拭時，請將濕布充分擰乾。（否則，水分進入縫隙，可能導致電氣部件故障。）
- 對於頑固的吸盤痕跡，可使用稀釋的中性廚房清潔劑，然後用清水擦拭，再用幹布擦乾。
- 關於蒸發盤（P.12），請倒掉積水，並清除底部殘留污垢。（否則可能出現蒸發不良；水溢出；惡臭等）
- 門封條易損，因此髒汗後請立即擦拭。（否則可能導致冷氣洩漏。）
- 關於制冰盤等塑膠部件，請不要使用洗碗機等進行清洗。（否則部件可能變形。）
- 請禁止使用以下物品。（否則會損傷表面）



廚房用洗滌劑（中性以外的）  
玻璃清潔劑  
含氯漂白劑  
（可能導致塑膠破裂）

鹼性  
弱鹼性

廚房用抹布  
（其中的鹽分可能使門  
表面生鏽）

去污粉  
粉狀肥皂

汽油  
稀釋劑  
酒精

鋼絲球  
研磨海綿

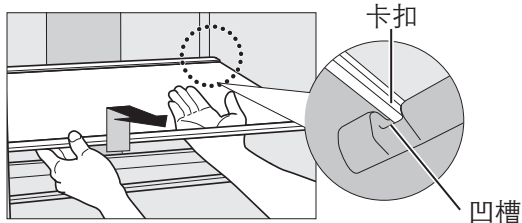
熱水

## 託盤 / 隔板 / 可分層擱架（玻璃）

每3個月/1次

### ■ 託盤 / 隔板

解除後方的卡扣，然後向前拉出。



（託盤的左右裡側）

#### 【側視圖】



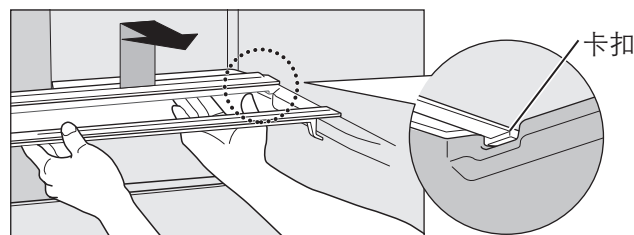
● 插入託盤時，請讓卡扣位於後方下側，否則託盤無法固定。

### 注意

- 託盤、隔板、可分層擱架為玻璃材質，重量較重。操作時請注意，防止掉落、破損、受傷。

### ■ 可分層擱架

先取下前面的擱架（第26頁），然後，解除後側左右卡扣，再向前拉出。

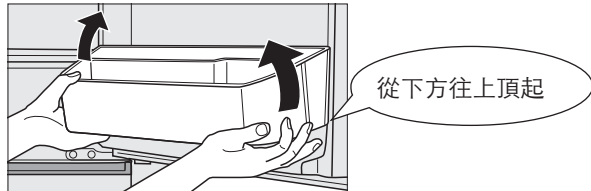


## 門架 / 瓶架

每3個月/1次

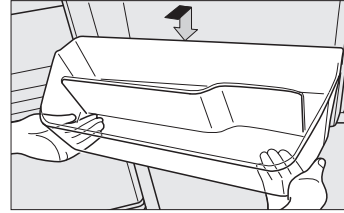
### ■ 取下

較小的架子從底部輕輕向上敲動取下；  
較大的架子左右交替向上抬起，同時向前傾斜取下。  
(因為安裝較緊)



### ■ 安裝

將架子稍微向前傾斜後插入，再固定安裝。



### 注意

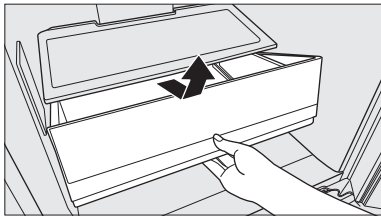
- 如果要拆下瓶架，請先拆下瓶架上方的門架，再進行拆卸。

## 抽屜 (冷藏保鮮室/蔬菜室/冷凍室)

每3個月/1次

### 冷藏保鮮室抽屜

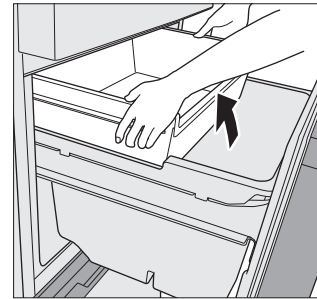
- ① 將抽屜完全拉出。
- ② 抬起前端，將抽屜斜著取出。



### 小型蔬菜盒 / 冷凍室上抽屜

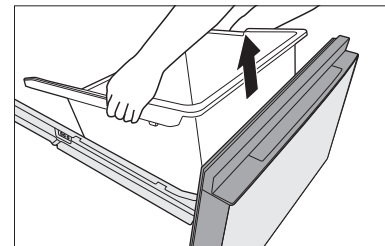
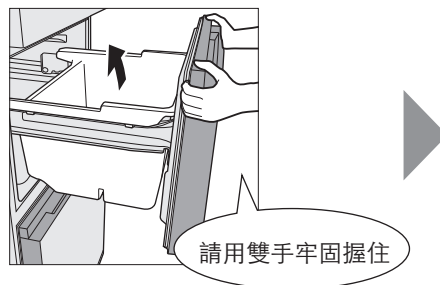
#### 斜向上取出

將抽屜完全拉出，抬起前端並斜著取出。



### 蔬菜室主抽屜 / 冷凍室主抽屜

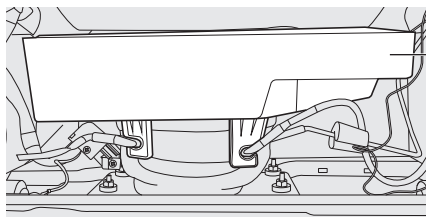
- ① 拉出抽屜。
- ② 抬起拉出的門板並放在地上。
- ③ 取出抽屜。



### 注意

- 請不要擦掉抽屜滑軌及滑軌接觸面的潤滑劑。  
→ 如果不慎擦掉，請諮詢銷售店。(潤滑劑符合食品衛生法標準)
- 拆下小型蔬菜盒後重新安裝時，請將盒底的“FRONT”標記朝前再安裝。
- 如果用水清洗了抽屜，請充分瀝幹水分，並擦乾殘留水滴後再安裝。

# 遇到以下情況時

發生情況	處理方法
停電	<ul style="list-style-type: none"><li>● 為防止冷氣流失，請減少開關門次數，並避免放入新的食品。</li><li>● 若處於“速凍”模式，恢復供電後請重新設置。</li></ul>
拔掉電源插頭	<ul style="list-style-type: none"><li>● 請等待7分鐘以上再重新插上電源。（立即插入會增加壓縮機負荷，可能導致故障）</li></ul>
雪櫃內燈不亮	<ul style="list-style-type: none"><li>● 請聯繫購買時的銷售店進行諮詢。</li></ul>
長時間不使用雪櫃	<ul style="list-style-type: none"><li>● 將雪櫃內所有物品取出並進行清潔。<ol style="list-style-type: none"><li>① 拔掉電源插頭。</li><li>② 清潔雪櫃內部。（P.28 ~ P.29）</li><li>③ 將雪櫃門打開 2~3天進行乾燥。 （若乾燥不充分，可能產生黴味）</li></ol></li></ul>
搬家或需要移動、運輸雪櫃	<ul style="list-style-type: none"><li>● 請務必安排兩人以上搬運，且不要橫放運輸。（否則可能造成受傷或設備故障）<ol style="list-style-type: none"><li>① 取出所有食品。</li><li>② 解除防傾倒固定帶，並拔掉電源插頭。</li><li>③ 取下底部腳蓋並收起調節腳。（P.22） （運輸時，請取下底部腳蓋）</li><li>④ 用幹毛巾吸幹蒸發盤中的水。</li><li>⑤ 搬運途中鋪上保護墊等進行運輸。 （因為可能仍有殘留水）</li></ol></li></ul> <div data-bbox="827 1383 1367 1598"><p>蒸發盤</p></div> <div data-bbox="659 1627 725 1663"><p>提示</p></div> <ul style="list-style-type: none"><li>● 如果雪櫃內部的霜未完全融化，在移動或運輸時可能有水滴到地面。 （拔掉電源插頭後，冷卻器的霜凍完全融化約需15小時）</li><li>● 請注意不要被壓縮機或管道燙傷或劃傷。</li></ul>

# 是故障嗎？

在聯繫諮詢或申請維修之前，請先進行以下確認。



- 雪櫃不太製冷
- 好像有點異常……？

如果出現這種情況，請先嘗試以下操作：

- ① 拔掉電源插頭。
- ② 等待 7 分鐘以上後，再重新插上電源插頭觀察情況。

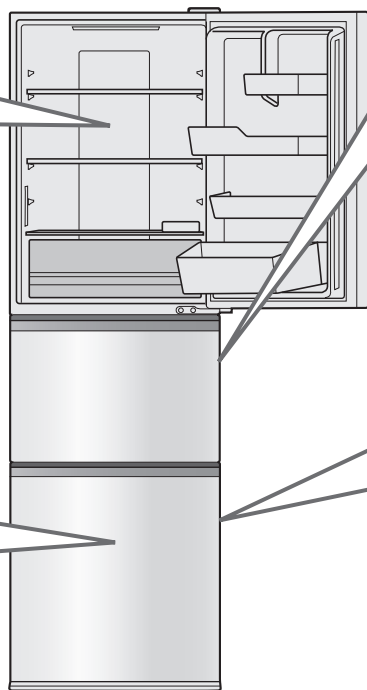
可以通過二維碼查看更詳細的雪櫃支援資訊。



以下聲音屬於正常現象

## 來自雪櫃內部

- 【劈啪】 【啪】  
由於溫度變化導致部件輕微伸縮產生的聲音。
- 【嗡嗡】  
風扇運轉聲音。



## 來自雪櫃背面

- 【咕嚕咕嚕】 【嘶嘶】  
【啾啾啾啾】 【咚咚】 【噓噓】  
這是製冷劑（氣體）流動的聲音。

## 來自背面下部

- 【咚咚】 【啾啾】  
電氣部件或壓縮機動作的聲音。
- 【嗡嗡】 【尖鳴】  
壓縮機運轉聲音。  
（由於壓縮機會根據溫度變化調整轉速，因此聲音高低會發生變化）
- 【啞啞】 【咚咚】  
壓縮機停止運轉時的聲音。

## 打開冷凍室門時

- 【滋】  
這是除霜時水被加熱器蒸發的聲音。



通過掃描二維碼，可以聽到常見的雪櫃運行聲音。

## 症狀

## 原因與處理

### 聲音

【啞啞】

【咚咚】

- 是否安裝在堅固且水準的地面上，並將調節腳放下固定？（P.22）
- 雪櫃側面、背面或電源線是否碰到牆壁或傢俱（P.22）

【嘩嘩嘩】

- 冷藏室門是否未關閉？  
→ 請關閉。

噪音較大

- 剛安裝時雪櫃尚未完全冷卻、頻繁開關門、環境溫度高或正在速凍時，壓縮機或風扇會高速運轉，因此聲音會稍大。

一直有聲音

- 因為採用變頻器控制調節壓縮機轉速，有時不會停止，這是正常現象。

出現敲擊聲

- 如果地面不穩定或關門過猛，雪櫃可能晃動並產生聲音。  
→ 如果地面不穩定或關門過猛，雪櫃可能晃動並產生聲音。（P.22）

# 是故障嗎？ (續)

	症狀	原因與處理
櫃體	表面很熱	● 為了散發製冷時產生的熱量，在剛安裝或夏季時表面溫度可能達到 50°C~60°C (環境溫度30°C)，屬於正常現象。
	側面看起來有變形	● 在製造過程中，可能會產生輕微變形或波紋，但不屬於異常。
	塑膠部件上有類似劃痕的細線	● 這是塑膠成型時產生的樹脂流動痕跡，其不影響部件強度，也不會導致破裂。
門	關門時其他門會打開	● 關門時產生的氣壓可能使其他門瞬間彈開。 →請緩慢並切實地關閉門。
	剛關上後馬上打開會很緊	● 因為進入雪櫃的空氣被迅速冷卻，內部壓力暫時低於外部壓力，因此會有被吸住的感覺。
	門關不嚴	● 食品是否從託盤或擱架突出？是否安裝了額外的收納器具？ →請重新整理食品，然後關門。
氣味	雪櫃內部有異味	● 請將氣味強烈的食品放入密封容器。 ● 雪櫃內部是否有污漬？ →請用溫水浸濕的布進行擦拭。
製冷	完全不製冷	● 電源插頭是否鬆動或斷路器跳閘？ ● 是否停電？
	製冷效果不好	● 雪櫃完全冷卻需要約4小時。(夏季等高溫環境下，可能需要24小時以上) ● 溫度是否設置為【弱】？ →請調整為【中】。(P.24、25)  ● 是否開啟了“節電模式”？→請關閉。(P.24、25) ● 出風口是否被食品擋住？(P.26) ● 雪櫃是否被陽光直射，或靠近發熱設備？(P.22) ● 雪櫃周圍是否有足夠空間散熱？(P.22) ● 是否放入熱食、頻繁開門或放入過多食品？ ● 底部腳蓋是否被灰塵堵塞？(P. )
	結霜或有水珠	● 濕度高時，是否長時間開門或頻繁開門？ ● 是否有市售的管狀支架等物品夾住門導致門未完全關閉？ ● 為防止蔬菜乾燥，蔬菜室濕度較高。(蔬菜室) ● 濕度高時，雪櫃外部或周圍可能出現水珠。 →請用幹布擦拭。
	食品凍結	● 溫度設置是否為【強】？→請調為【中】(P.24、25) ● 環境溫度是否低於5°C？ →請將溫度設置為【弱】(P.24、25) ● 是否把含水量高的食品放在冷氣出風口(P.26)附近或冷藏保鮮室？

# 規格

型號	NR-C280H-W3 NR-C280H-S3
總容量	284 L
冷藏室容量	146 L
蔬菜室容量	71 L
冷凍室容量	67 L
外形尺寸 寬度×深度×高度	540 mm X 625 mm X 1750 mm
重量	57 kg / 126 lb
定額電壓 定額頻率	表示在冷藏室內的品質表示標籤。

該款雪櫃的容量是依據 IEC 62552-3:2020 標準進行設計的。

**Panasonic Corporation**

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