

Operating Instructions

Installation Manual
Attached Separately

Refrigerator, Freezer (For Commercial Use)

Model No. **SRR-K1281-ME**
SRR-K1581-ME
SRF-K1281-ME
SRF-K1581-ME



SRR-K1281-ME

Caution labels are attached on the product.

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Smart Use Save Energy

Thank you for purchasing Panasonic product this time.

- Please read the operating instructions carefully before using this product, and save this manual for future use.
- **Before using the product, please make sure to read "Caution for Safety" (Pages 2 to 4).**
- Please carefully read this manual and, keep this documentation in a safe place for future reference.

Caution for safety

Be sure to comply

To avoid human injury and property damage, absolute requirements are described here.


■ The degree of injury or damage caused by incorrect use is grouped for understanding.

 WARNING Danger that may cause death or serious injury.	 CAUTION Danger that may cause minor injury or property damage.
---	---

■ Contents to be observed are explained by pictogram. (Following is example of such pictogram)

 Contents you must not do.	 Contents you must do.
---	---

WARNING




At an abnormality or failure, immediately stop using and disconnect the power plug.

< Danger of smoke or fire generation and electrical shock >

Abnormality/failure examples

- Earth leakage breaker automatically turns off.
- Burning smell and abnormal sound are generated during operation.
- Power cord and plug are abnormally hot.
- The product received flood water.
- Tingly sensation is felt by touching.

■ Immediately contact your distributor.




Connect grounding earth.

< Danger of electrical shock when leak occurs >

- Be sure to request a specialist company for grounding work.

Earth connection

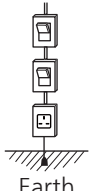
■ Electrical work....



Request a specialty company to perform the work.

- Electrical work means....
 - Installing a high-speed earth leakage breaker.
 - Installing a wiring breaker.
 - Installing an earth-equipped power outlet for the product only.
 - Always apply grounding work on an earth-equipped power outlet.
 - Electrical work must be performed by a qualified electrical technician based on the "Regulation on technical standard of electrical equipment" (Danger of fire or current leakage)

Single-phase 240 V power




High-speed earth leakage breaker
Rated detected current 15 mA

Wiring breaker
Rated current 15 A

Grounding terminal-equipped Power outlet
(Rated 13 A, 250 V)

Earth

■ Power plug and cord...




Avoid doing the followings.

< Danger of fire or electrical shock >

Prohibited

- Do not scratch, do not break, do not process, do not forcibly bend, do not pull, do not twist, do not bundle. Do not put a heavy item on it, or tuck with something.
- Do not plug or unplug with a wet hand.
- Do not unplug by pulling the cord.
- Do not connect a cord, or use an extension cord, or branch the cord.
- Do not use the cord when it is damaged or loose when plugging.
- Do not tuck the plug between the product and wall.



Comply with the followings.

< Danger of fire or electrical shock >

- Use a dedicated power receptacle only for the product. (Single phase 240 V, frequency 50 Hz)
- Be sure to unplug during caring or repair.
- Remove dust on the plug periodically.
- Insert the plug fully to the bottom.
- 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.

WARNING

■ During installation....



Prohibited

Avoid doing the followings.

- < Danger of fire or electrical shock >
- Do not install the product where it is likely to be exposed to water.
 - Do not install the product outdoors.



Comply with the followings.

- < Danger of fire or electrical shock >
- Request a specialty company to perform the work.
- < Danger of injury >
- Securely install on a horizontal flat floor with sufficient strength for the weight.
 - Apply falling prevention measures.

■ During storage or disposal....



Prohibited

Avoid doing the following.

- < Danger of child locked in >
- Do not leave the product where children play.



Comply with the followings.

- < Danger of child locked in >
- When storing the product temporarily, avoid leaving it where children play and make the door unable to lock.
- < Danger of fire or electrical shock >
- Store the product where rainwater does not fall on it.
 - Request a specialty operator to dispose the product. Contact your distributor for more detail.

■ When using a product....



Prohibited

Avoid doing the followings.

- < Danger of fire or electrical shock >
- Do not store volatile or flammable substance in the product compartment.
 - Do not store bottles or cans in the freezer.
 - Do not use flammable spray near the product or place flammable item on it.
 - Do not apply water or water-wash the exterior or compartment interior.
 - Do not operate switches by a wet hand.
 - Do not place a container with water or other material on the produce.
 - Do not absolutely disassemble, repair or modify the product.
 - Do not apply screws on the product exterior.
 - Do not step on the product.
 - Do not hang on the door or ride on the door.
 - Do not insert a stick or finger in the blow outlet, suction inlet, or movable part.
 - Do not touch anything in the freezer with a wet hand.
 - 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.
- < Danger of health disorder >
- Do not supply food when the product is in failure.



Comply with the following.

- < Danger of catching fire, explosion or fire >
- When gas leak is detected, do not touch the product or power plug, and open the window for ventilation.
 - When gas leak is detected, do not touch the product or power plug, and open the window for ventilation.
 - Children should be supervised to ensure that they do not play with the appliance.

Caution for safety

Be sure to comply

CAUTION

■ When using a product....



Prohibited

Avoid doing the followings.

- Do not throw items into the compartment.
- Do not put items heavier than the specified weight on the wire shelf. (Please see page 14)
- Do not place bottles and cans at the blow out or suction opening. (Possibility of fracture)
- Do not continue to use this product if it has any broken parts. (May cause injury)
If any part is broken, contact the distributor you purchased this product from.



Comply with the followings.

- Periodically check if the place of installation is not deteriorated.
- Use caution not to get the fingers caught in when opening and closing the door.
 - Do not insert fingers in the gap of the door.
- Securely install shelf brackets and then correctly place a wire shelf. (Dropping shelves may cause injury)
- When locking the product, confirm that nothing other than the stored objects is stored inside.
- 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.

■ During installation, transfer or storage....



Comply with the followings.

- Before a transfer or storage, unplug the product.
- Be sure to wear gloves when installing or transferring.
- When transferring, remove stored food and wire shelves and all other parts. (Objects may lead to injury by dropping)

■ During caring....



Prohibited

Avoid doing the following.

- Do not clean the drain path by the user. (May cause injury)



Comply with the following.

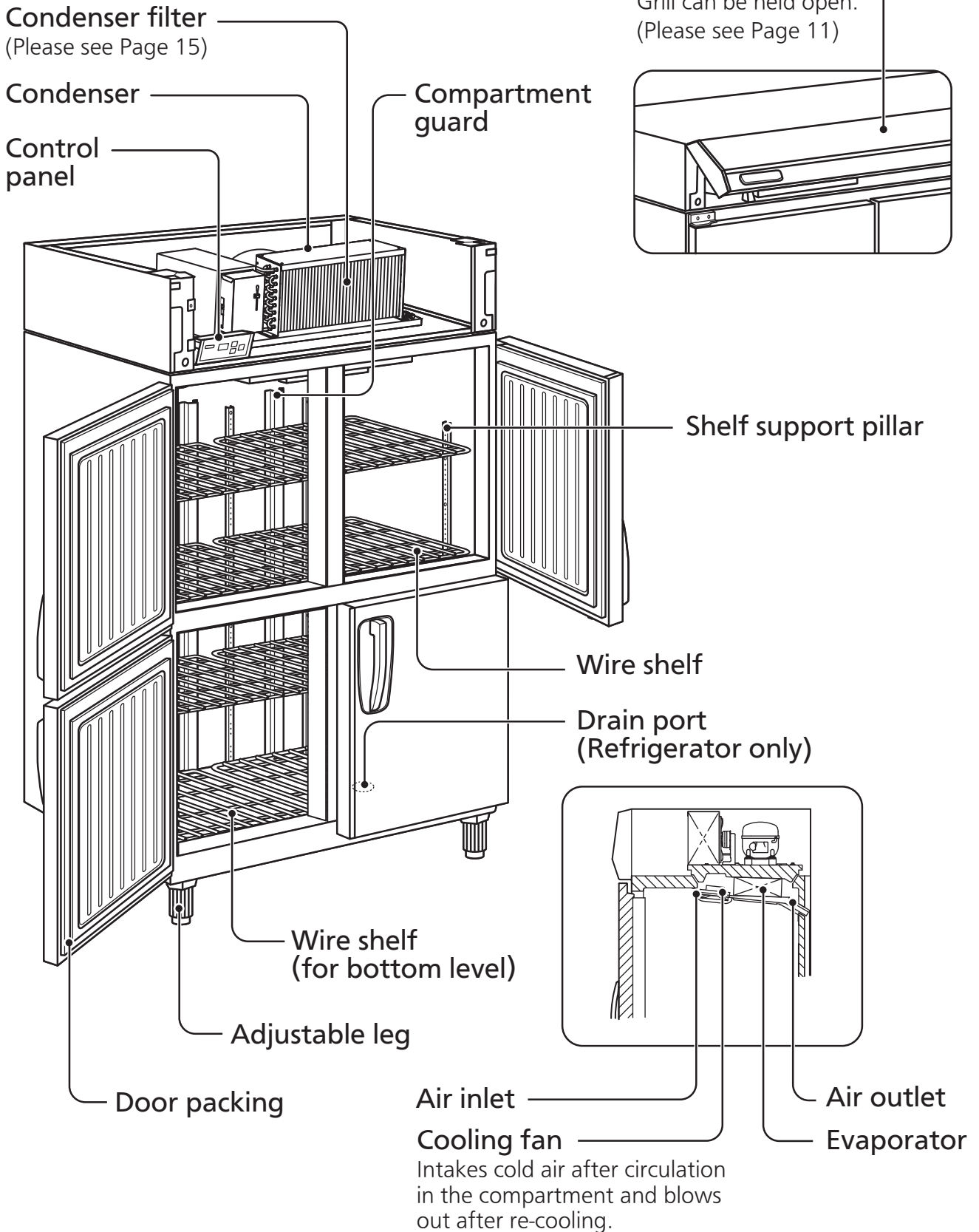
- Periodically (once or more) check the operation of the earth leak breaker. Please contact your sales distributor for inspection method.

Name of Each Part

< Refrigerator, Freezer >

The illustration is based on model No. SRR-K1281-ME.
(Center-pillar type)

Specification may be slightly different by model.



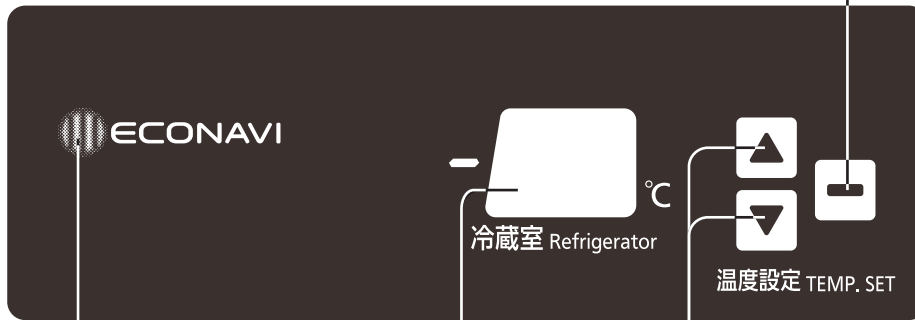
Name of Each Part

Control Panel

< Refrigerator >

Temperature setting button

Button for setting the compartment temperature.



ECONAVI Lamp

Lights up during Econavi operation.
(Please see Page 12)

Compartment Temperature Indicator

Indicates compartment temperature.
Indicates "dF" during defrosting operation.
(Please see Page 12)
Indicates an error code in blinking during abnormal condition.
(Please see Page 18)

Temperature adjustment button

Buttons for adjusting the compartment temperature.
(Please see Page 12)

< Freezer >



About Installation

Caution for indemnity against accident or damage (failure)

- Our company is not liable for any accident or damage caused by the method not described in the installation manual or without using the specified components. Any product failure caused by such installation is out of the product warranty.
 - Please request a specialty operator for installation work.

Installation location

Because this product is for food storage, use caution for place of installation.

- Product use or storage in a hot-spring area or near a sea coast may result in a failure. (Due to high concentration of sulfuric acid or salt.)
- Product use in a location of possible freezing may cause a failure.
- For the purpose of fully utilizing the product function, use it in the ambient temperature range of 5 °C to 35 °C. Cooling performance may deteriorate outside this range.
- Place the product away from direct sunlight or heat-generating equipment as much as possible. A close distance degrades cooling performance.
- Do not use the product outdoors. Use of the product with in a place affected by rainwater may cause current leak or electrical shock. Also, avoid a continuously humid location near a water faucet or kitchen sink.
- Water condensation on the product exterior or door may be caused in a high humidity atmosphere or with a certain internal temperature setting. In such a case, install the product where wet floor does not cause a problem.
- For the purpose of good draining of thawed water, install the product horizontally or slightly tilted toward the back.
- For the purpose of fully utilizing product functions, secure an empty space of 300 mm or greater above the product and 50 mm or greater back of the product. Please secure an appropriate space around the side of the product.

Correctly install the drain hose.

- Do not directly connect the drain pipe to the sewer pipe. To avoid back flow of drain water, do not dip the tip of the drain hose into the sewage water.
- When a drain channel is not located nearby, a separate pipe should be connected for enabling drain connection.
- Always install a trap on the freezer drain hose. Without a trap, cooling failure may be caused.

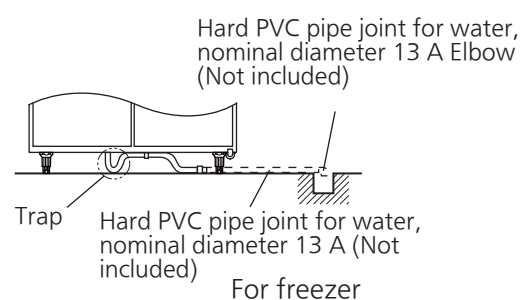
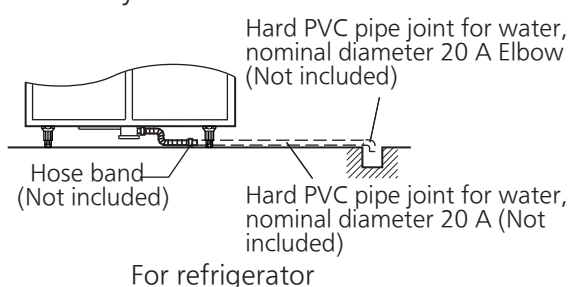
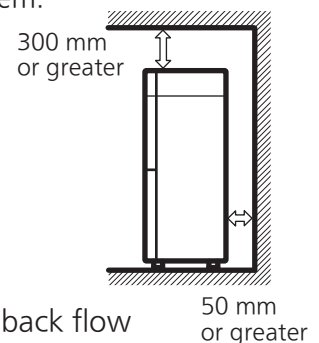
⚠ WARNING

The customer should not perform installation work by himself.



Prohibited

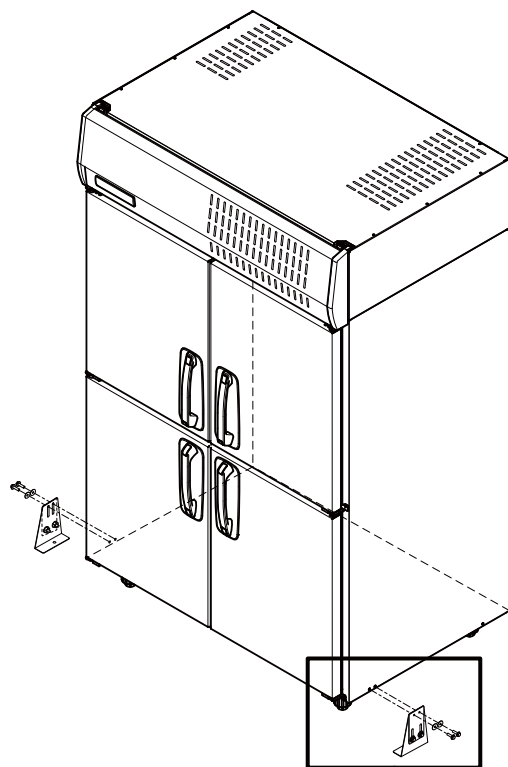
Installation requires specialty skill. Installation work by the customer may result in injury.



About Installation

Installation location (continued)

- Install the product horizontally or slightly tilted toward the back on a sturdy flat floor. In addition, secure the product with a bracket for avoiding fall down by an earthquake etc. Incorrect installation may cause water leak or injury by falling. To avoid vibration or noise from the product, install it in a stable condition.
- The 2 part at the bottom should be fixed by the fall prevention bracket.



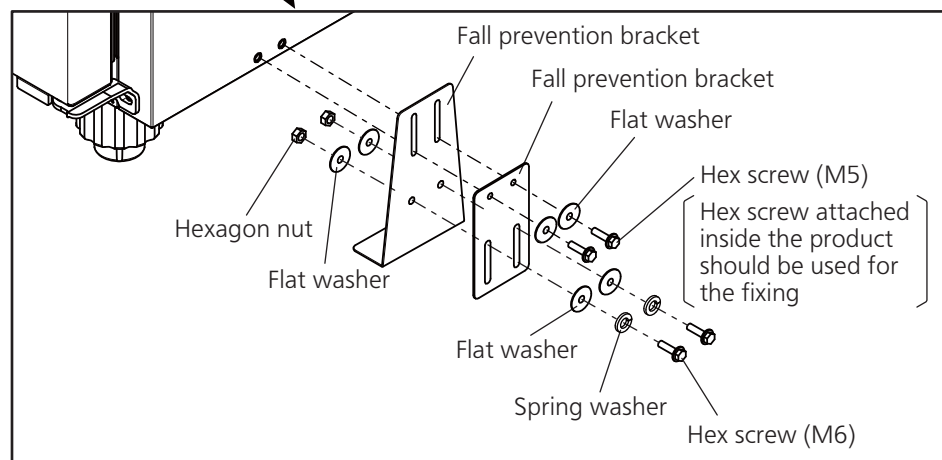
WARNING

To avoid a hazard due to instability of the appliance, it must be fixed in accordance with the instructions.



Fall of the product may cause injury.

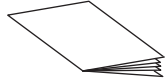

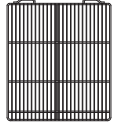

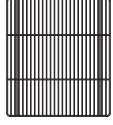
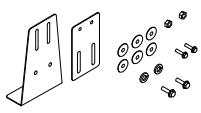
※ The attached screws are for metallic materials



Enlarged view of the fixing at the bottom

- Install in a place where you can easily remove the power plug in case of abnormality.

Accessories

Name	Shape	Quantity	Name	Shape	Quantity
Operating Instructions		1	Shelf bracket		24
Wire shelf		6	Drain hose (refrigerator only)		1
Wire shelf (for bottom level)		2	Fall prevention bracket (4 sets inside)		1

Available separately

- Lock installation parts
- Wire shelf set
- Door stopper (For changing the door opening angle)

Notice

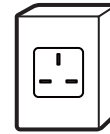
- For the application compatibility of the separately available items, see the table on Page 23.
- For the separately available items, please contact the product distributor.

How to Use

Before operation

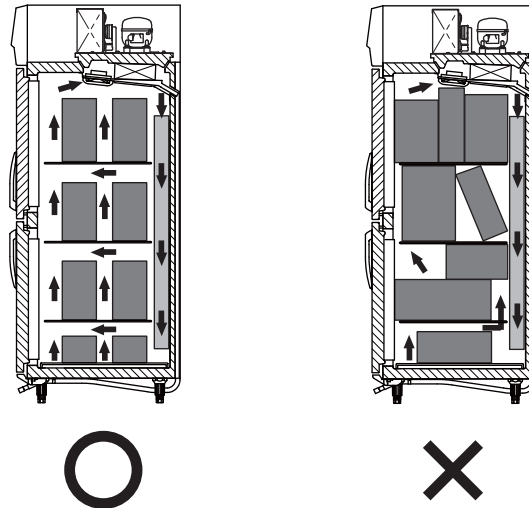
- Use a dedicated power outlet.
Do not connect the power cord in the middle, or avoid using an extension cord or branching connection.
It may cause electrical shock, heat generation or fire.
- Remove packaging materials and tape and open the door for a while for ventilation.
- Take out accessories from the compartment and check them. (Please see Page 9)
- Correctly attach shelf brackets and wire shelves. (Please see Page 13)
- Although the interior was cleaned during packaging, clean it again.
- Perform a test operation.
Operate for approximately 1 hour after connecting to the power, and use it after confirming cool interior of the compartment.

Single-phase 240 V power
Grounding terminal-equipped
Power outlet
(Rated 13 A, 250 V)



How to use the product wisely

- Poor circulation of cold air may cause quality deterioration of stored items.
Do not block the suction and blow-out ports.
For the purpose of ensuring good circulation of cold air, food items need to be placed with appropriate spacing between them.



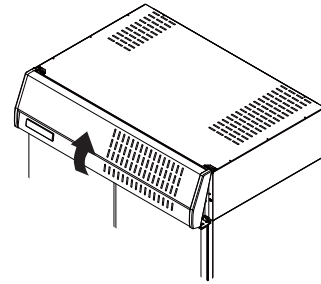
- Ice-making in the freezer increases compartment temperature and frozen food may thaw. Do not make ice.
- For saving energy
 - Keep door opening frequency as small as possible, and door opening time as short as possible. Close every door securely.
 - Use appropriate temperature for the stored items.
 - Remove dust on the condenser filter as often as possible.

How to Use

How to open the grill

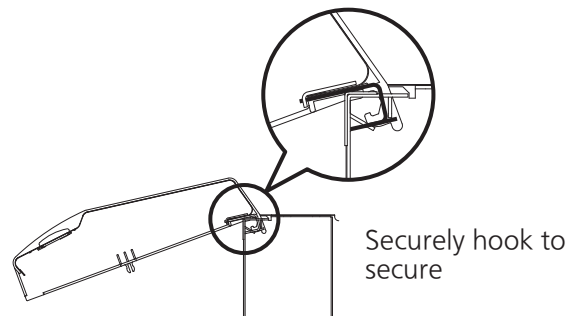
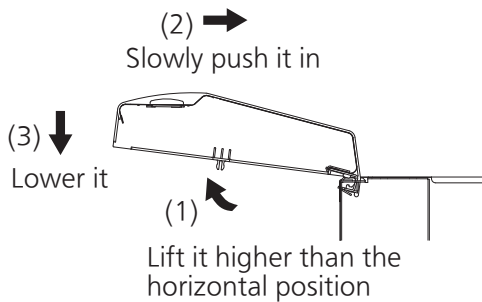
■ How to open and close the grill

- Open the grill by lifting it as shown by the arrow.



■ When opening the grill and securing the position

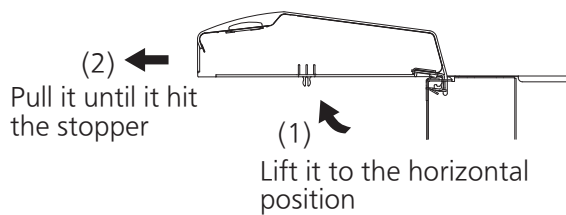
- Both sides may be hooked for keeping it open.
- Lift it higher than the horizontal position (1), and slowly push it in (2), and then lower it (3) to secure.



Caution

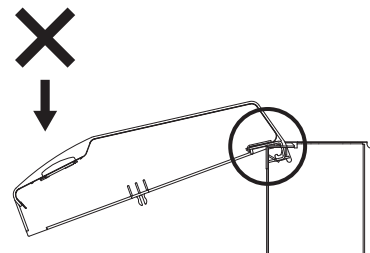
Lifting the grill too high would cause the stopper to activate. Do not lift it further.
Stopper may be damaged.

- For unhooking the secured position, lift the grill to the horizontal position (1) and pull it until it hit the stopper (2) and then lower it.



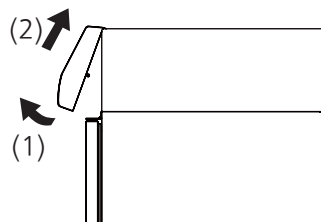
Caution

Pressing down the grill while it is pushed in may cause breakage.



■ When removing the grill

- Pull the lower edge of both sides slightly (1) and while it is tilted, slide it upward (2) to remove it.



How to Use

About ECONAVI operation





- ECONAVI operation automatically performs cooling operation by judging the installed and used condition of the refrigerator or freezer and saving energy according to the environment.
- During ECONAVI operation, ECONAVI lamp is turned on.
- ECONAVI lamp will be turned off when ECONAVI operation is cancelled.

Note

ECONAVI lamp may be turned off temporarily during ECONAVI operation according to the installed and used condition, but it is not a failure.

How to set temperature

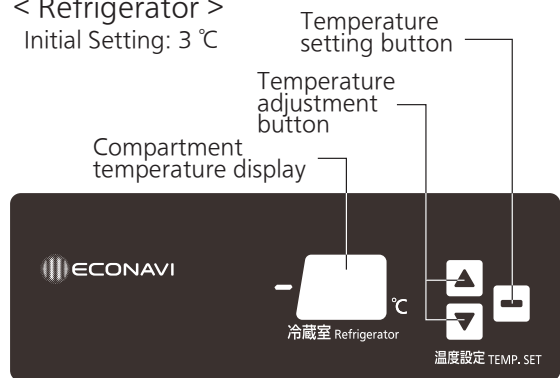
Compartment temperature has been set at 3 °C (refrigerator) and -20 °C (freezer) at the time of shipment. When temperature setting is necessary, follow the direction shown below.

- When changing the set temperature.....
 - Press the temperature setting button "  ". (The display changes to setting mode. Compartment temperature display blinks to show the set temperature.)
 - Press Temperature Adjustment button "  " or "  ", and set the desired temperature within the range of adjustment.
 - Press the temperature setting button "  " again. (Setting is memorized and changes to the display mode. Compartment temperature is displayed in the compartment temperature indicator.)

Note

After 1 minute without any operation, the display changes to indication mode. In such a case, setting is not memorized and the setting is left as before.

< Refrigerator >
Initial Setting: 3 °C






Temperature setting range: -6 °C to 12 °C

< Freezer >
Initial Setting: -20 °C



Temperature setting range: -25 °C to -15 °C

About defrosting

- Defrosting of the cooling unit is automatically executed approximately every 6 hours.
- During defrosting, compartment temperature indicator displays "  ".
 - After defrosting, the compartment temperature will rise slightly, but impact on food temperature is minimal and the product can be used continuously.
 - In the case of power failure, defrosting starts in approx 6 hours after power recovery.
 - Forced defrosting can be started by pressing the temperature adjustment buttons "  " and "  " at the same time for 3 sec or longer, with the next defrosting starting in approx 6 hours later.

How to Use

How to install a shelf bracket and wire shelf

■ Height of wire shelf can be adjusted in 12.5 mm steps.

Adjust the attachment position of the shelf bracket according to the size of storage items.

- (1) Insert the top tong of a shelf bracket into a hole of the shelf support pillar to hook.
- (2) Insert the bottom tong into the adjustment hole and press into until the shelf bracket is secured.



CAUTION

Correctly attach the shelf brackets and wire shelves.

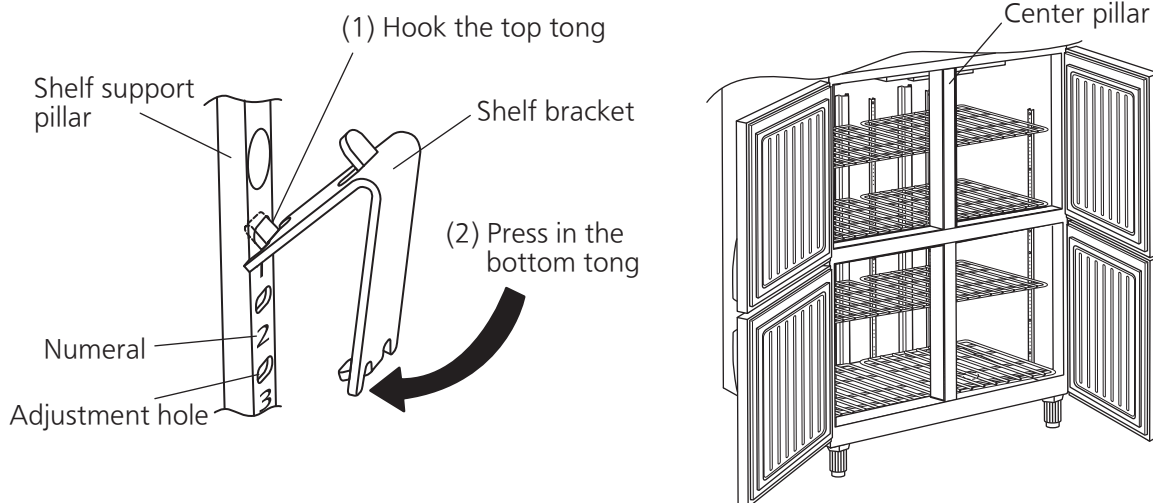


Disengagement may lead to injury.

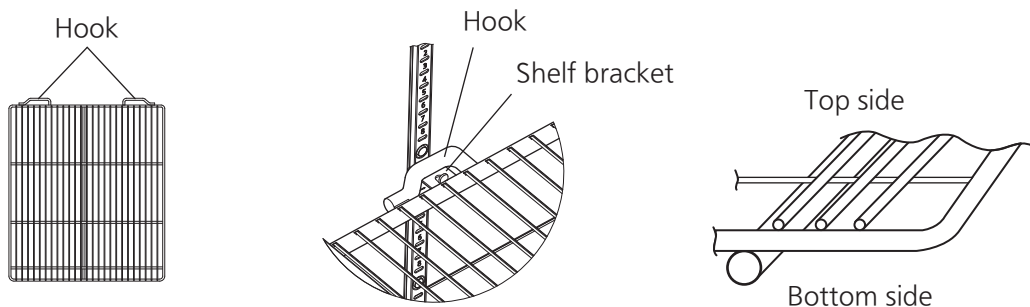
Request

Install each shelf bracket by using the same numbered hole in other shelf support pillars to maintain the wire shelf in a level.

In the product equipped with a center pillar (front support pillar), shelf support pillar is attached not only on the side and back surfaces of the compartment, but also on the center pillar. Install all shelf brackets.



- (3) When a wire shelf has hooks, check the top/bottom surface and attach it with the hook facing the back side and place it on the shelf bracket. The wire shelf without hooks is for bottom use. Check the top/bottom side and install it on the bottom level.



Request

When placing a wire shelf, insert it into the compartment in tilted angle.

How to Use

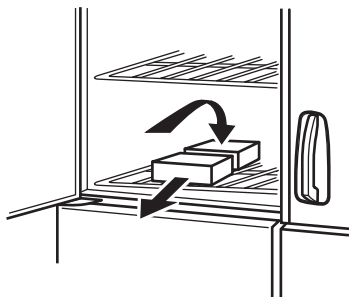
How to place stored items

- Use the product for temporary storage of food items.
Use of the product for other purpose may cause quality deterioration of stored items.
- This product is not intended to be used for the storage of medicinal products or academic materials. Please use a refrigerator specially designed for such purposes.
- Tightly seal each food item.
 - Food items containing acetic acid and yeast such as prepared sushi rice or bread dough may cause corrosion of the cooling unit. Store such items in a sealed container or wrap with food wrapping film.
For the purpose of avoiding smell transfer or drying, store food in a sealed container or wrap with food wrapping film.
- Always place stored items on the wire shelf. Directly placing items on the bottom surface would damage the surface and generate rust.
- When placing items on the wire shelf, limit the weight to 60 kg for a center pillar type.
Place items for achieving uniform load.
Do not throw items into the compartment. Shelf bracket may come off and lead to injury.

< Center pillar type >

SRR-K1281-ME SRR-K1581-ME SRF-K1281-ME SRF-K1581-ME	60 kg
--	-------

- Always check the storage period of food and apply first-in first-out rule.



- Avoid placing food not to be frozen near the blow-out opening of the refrigerator. (eggs, vegetables, etc.)
- Cool down hot items fully before storing.
Hot item in the compartment lead to quality deterioration of other stored items.

How to Inspect and Care

⚠ WARNING

Do not apply water or water-wash the exterior or compartment interior.



Prohibited

Denger of electrical shock and fire by short-circuiting.

Do not connect or disconnect power plug by a wet hand.



Prohibited

Denger of electrical shock.

Be sure to unplug during caring or repair.



Danger of fire or electrical shock

Exterior and Compartment

■ Periodical care is required for continued clean use of the product.

■ Wipe with a piece of dry soft cloth.

When attachment is felt severe, wipe with a piece of cloth with neutral detergent and then wipe off with water-soaked cloth.

Stainless-steel surface may get rusted with strong attachment of acid, salt or other contamination.

Use of alkali, or acid detergent, acid, oil, thinner, benzine, alcohol, tooth paste, powder soap, hot water, or scrubber will damage the painted surface or plastic. Do not use them.

Use neutral kitchen detergent as directed on the container.

Condenser filter

Clean once or twice a month.

■ Detach condenser filter and remove accumulated dust.

Use neutral detergent if severely contaminated.

● How to detach condenser filter

1. Open the grill and secure the opened position. (Please see Page 11)

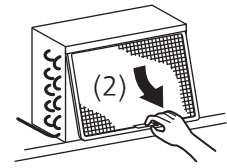
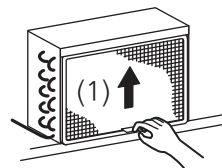
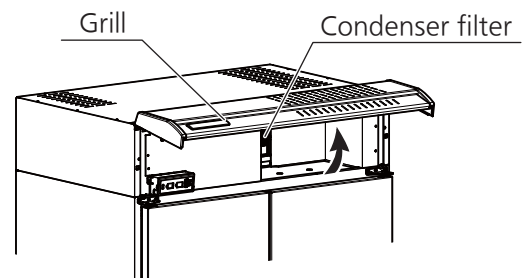
2. Detach condenser filter.

Slide the filter upward (1) and then pull it out (2).

After cleaning, install the dry filter.

A condenser without a filter accumulates dust and leads to a failure.

3. Always close the grill during use. (Open grill may lead to injury.)



How to Inspect and Care



CAUTION

Do not touch the condenser fin directly by hand.



Prohibited

It may lead to injury.

- Wear gloves when cleaning.

Clean the condenser after stopping operation and it is cool.

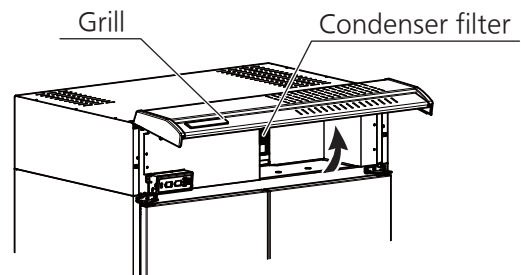


The condenser during cooling operation is hot and leads to skin burn.

Condenser

Clean once in 6 months.

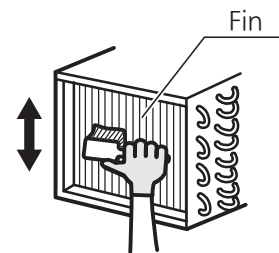
1. Remove power plug from the receptacle.
2. Open the grill and secure the opened position. (Please see Page 11)
3. Pull out the condenser filter to remove it.
4. Slide a soft brush on the filter in up/down direction to remove dust.



Request

Use caution not to damage condenser fin.

5. Install the condenser filter.
6. Always close the grill during use. (Open grill may lead to injury.)



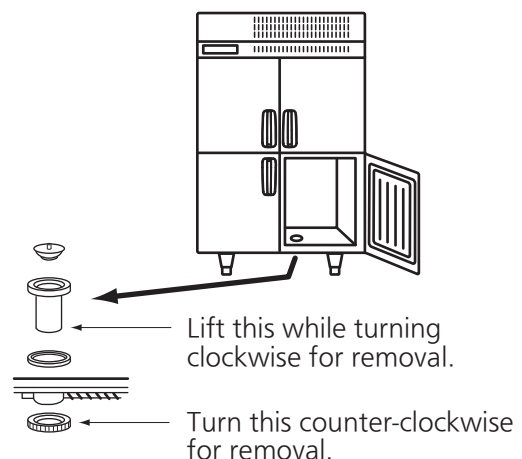
Door packing

- After wiping with wet and soft cloth, finish wiping with dry cloth. Using the door packing with attachment of fermented milk drink or condiment would damage the packing. Clean the door packing and contacting surfaces without fail.

Drain port (Refrigerator only)

Clean periodically.

- Remove parts from the product for water washing. Using with contamination would cause water leak in the compartment, defrosting defect, and other problems.



How to Inspect and Care

Drain path

Request cleaning periodically in one or two-year interval.

* Exclude Page 16 "Drain Outlet"

- Accumulation in the drain path disturbs normal flow of defrosted water or condensed water. Accumulated water from defrosting and condensing penetrates the product body to cause "performance deterioration of heat insulation material" and leads to "poor cooling" or current leak in the electrical components. Cleaning interval varies by product construction and installed environment. Use as only a guideline. Contact your distributor for cleaning of the drain path.



CAUTION

Do not clean the path by the user.



Prohibited

Cleaning may require disassembly of the product. It may lead to injury.

Power plug

Clean regularly.

Disconnect the power plug and remove dust from the terminals.

Also clean the dust around the power plug.

After cleaning, wait for 5 minutes before inserting the power plug to the outlet.

< Do not clean dust with a wet hand.>

- * Depending on the place of installation or environment, dust accumulation is much faster than expected. Check periodically.

Please confirm

- After completing cleaning, perform the following inspections.
 - Is the power plug securely inserted into the power outlet?
 - Isn't any abnormal heating in the power plug?
 - Isn't any crack, scratch or trace of rat bite exist on the power cord?

For any question, please contact the product distributor.

How to Inspect and Care

About error code display

- When a problem occurs while using the product, an error code is displayed in blinking in the compartment temperature display. Check the following and if the error code still remains, contact the product distributor.

Error code	Content	Please check	Action to be taken
E5 E6 E9 Eb EH	Compartment temperature is high	Isn't the ambient temperature 35 °C or higher?	Lower the ambient temperature by ventilation or air-conditioning.
		Isn't any hot food stored inside?	Fully cool hot food before storing it in the refrigerator.
		Is the door fully closed?	Close the door again.
EL	Compartment temperature is low	Isn't the ambient temperature 5 °C or below?	Raise the ambient temperature by ventilation or air-conditioning. [Notice] This error code is also displayed when the ambient temperature is lower than the set temperature.
		Isn't any frozen food being thawed?	When this error code does not disappear even after removing the food, contact the product distributor.
Ei EJ Et	Compartment fan locked warning	Isn't any warm food stored inside?	Fully cool warm food before storing it in the refrigerator.
		Hasn't the door been opened frequently or left open?	Long opening time of the door reduces freezing or refrigeration effect. Reduce door opening frequency or duration of door opening.
		Is the ventilation of the place of installation (fan, air-conditioning) sufficient?	Increase ventilation of the room. Locate the product far from a heat-generating equipment.
		Isn't the suction or blowout opening blocked by food?	Secure sufficient cool air path.
FL *E7	Condenser filter clogging warning	Isn't the ambient temperature 35 °C or higher?	Lower the ambient temperature by ventilation or air-conditioning.
		Isn't the condenser filter or condenser itself contaminated?	Clean the components. (Please see Page 15,16)
Other indication	Sensor or other component abnormality warning	—————	Please contact your distributor for inspection method.

*"E 7" error indication does not disappear until the power plug is disconnected.

Correct the problem and after 5 minutes, reconnect the power plug. When the same error code appears after operation for 1 hour so, contact your distributor.

In the Following Cases

Power failure

- Reduce door opening as much as possible.
- Avoid adding food inside for preventing increased compartment temperature.

When the product is not used for a long time

- Remove all food items from the compartment, clean the interior, and wipe off any moisture. Open the door to dry the interior for avoiding mold generation or remaining smell.



CAUTION

Disconnect the power plug when the product is not used for a long time.



Dust accumulation may lead to heat generation or fire.

When the product is temporarily left unused

- Attach a piece of wood between the door and body to prevent door being tightly closed.



WARNING

When storing the product temporarily, avoid leaving it where children play and make the door unable to lock.



Left-over product may lead to a child locked in or other accident.

When discarding the product

- Request a specialty operator for discarding the product. Contact your distributor for more detail.



WARNING

Request a specialty operator for product discarding.



Avoid fire or electrical shock.

Before requesting a repair



WARNING

Do not connect or disconnect power plug by a wet hand.



Prohibited

Danger of electrical shock.

Be sure to unplug during repair.



Avoid fire or electrical shock.

Check out the following items and still the problem exists or abnormal sound, smell or smoke is detected, immediately unplug and move the stored food to other refrigerator, etc. and consult with the product distributor.

Please notify the items listed on page 21.

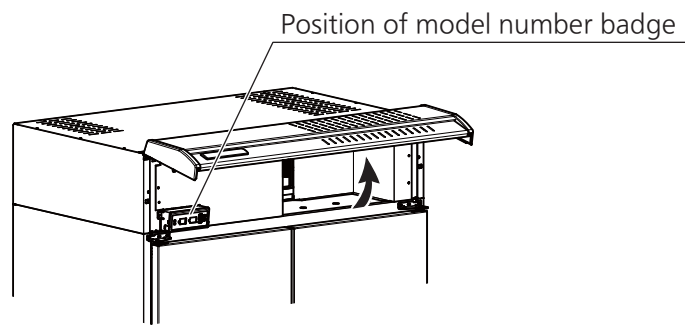
When contacting, also report the blinking error code.

Symptoms	Cause	Corrective Measures
Does not operate	Isn't it a power failure?	Wait until recovery of the power.
	Isn't the power plug out of the receptacle?	Insert the power plug securely to the base.
	Hasn't the ground-fault interrupter activated?	Turn the ground-fault interrupter ON. Even after turning ON the ground-fault interrupter, when it is automatically turned OFF, there is possibility of current leak.
Does not get cool well	Isn't the temperature set high?	Check and set temperature again. (Please see Page 12)
	Isn't the air inlet or outlet blocked by food items?	Secure sufficient cold air passage. (Please see Page 10)
	Isn't the compartment packed with too much food?	Leave appropriate spacing between food items for good airflow.
	Isn't the door opened often or kept open?	Long door opening time reduces freezing/refrigerating efficiency. Reduce the number of door openings and act promptly.
	Isn't the condenser filter contaminated?	Clean the filter. (Please see Page 15,16)
	Isn't the ambient temperature 35 °C or higher?	Reduce ambient temperature by ventilation or air-conditioning.
Condensation on the product exterior	Isn't the ambient humidity too high?	Condensation may occur in a humid condition such as rainy season, summer time, or rainy day. Wipe off with dry cloth.
	Isn't the ventilation (circulating fan, air-conditioning, etc.) of the installed location sufficient?	Improve ventilation.
Frosting in the compartment	Isn't the door opened often or kept open?	Long door opening time reduces freezing/refrigerating efficiency. Reduce the number of door openings and act promptly.
Floor is wet	Is drain working correctly?	Clean the drain path. (Please see Page 16,17)

Before Requesting a Repair

Items to be informed

- (1) Condition of failure (Please tell us specific condition such as error code)
- (2) Model number
- (3) Manufacturing code } (Described in the model number badge)
- (4) Your name, address, phone number, and how to get to the location
(Tell us an easy-to-find land mark, building and room number)
- (5) Date of purchase
- (6) Requesting date of visit



Specifications

* Nominal output: Output of a single motor determined under a certain standard.

* The power to be consumed by the entire product is indicated in the power consumption item.
Please refer to this value when using for your purpose.

* Dimensions W×D×H indicate the width × depth × height.

Product name		Commercial Refrigerator		
Model No.		SRR-K1281-ME	SRR-K1581-ME	
Size	Exterior(W×D×H) (mm)	1 200×800×1 950	1 460×800×1 950	
	Interior(W×D×H) (mm)	1 100×700×1 450	1 360×700×1 450	
Rated internal volume		1 087 L	1 343 L	
Adjustable shelf		Polyethylene coated wire		
Performance	Compartment temperature	-5 °C or below		
	Condition	Ambient temperature 30 °C No direct sunshine during no load equilibrium condition		
Compartment set temperature range		-6 °C to 12 °C		
Cooling unit	Compressor	Nominal output 170 W		
	Refrigerant	R134a		
	Fan	For cooling unit	DC12 V 4 W	DC12 V 4 W×2
For condenser		DC12 V 8.4 W		
Electrical rating	Power source	1-phase 240 V 50 Hz		
	Power consumption /Rated Input Current	During cooling	161.9 W/1.10 A	215.3 W/1.63 A
		During defrosting	339.6 W/1.42 A	458.9 W/1.92 A
Power source	Power code	Length	3.0 m	
		Plug	Type BF 2-pole plug with a grounding pole	
	Usable power receptacle	2-pole receptacle with a grounding pole, 13 A, 250 V		
Accessories		6 wire shelves, 2 wire shelves (for bottom level), 24 shelf brackets, 1 drain hose, 1 operating instruction booklet, 1 set fall prevention bracket		
Net Weight		125 kg	144 kg	

Product name		Commercial Freezer		
Model No.		SRF-K1281-ME	SRF-K1581-ME	
Size	Exterior(W×D×H) (mm)	1 200×800×1 950	1 460×800×1 950	
	Interior(W×D×H) (mm)	1 100×700×1 450	1 360×700×1 450	
Rated internal volume		1 081 L	1 343 L	
Adjustable shelf		Polyethylene coated wire		
Performance	Compartment temperature	-20 °C or below		
	Condition	Ambient temperature 30 °C No direct sunshine during no load equilibrium condition		
Compartment set temperature range		-25 °C to -15 °C		
Cooling unit	Compressor	Nominal output 400 W		
	Refrigerant	R404A		
	Fan	For cooling unit	DC12 V 2 W×2	
For condenser		DC12 V 8.4 W		
Electrical rating	Power source	1-phase 240 V 50 Hz		
	Power consumption /Rated Input Current	During cooling	300 W/2.70 A	452 W/2.91 A
		During defrosting	553 W/2.10 A	549 W/2.35 A
Power source	Power code	Length	3.0 m	
		Plug	Type BF 2-pole plug with a grounding pole	
	Usable power receptacle	2-pole receptacle with a grounding pole, 13 A, 250 V		
Accessories		6 wire shelves, 2 wire shelves (for bottom level), 24 shelf brackets, 1 operating instruction booklet, 1 set fall prevention bracket		
Net weight		128 kg	147 kg	

Separately Available Items

Item name	Wire shelf (1, 4 shelf supports)		Door stopper (85°)	Lock installation parts
Product number	Separately-sold Part No. SRR-J04S 530×622 mm	SRR-J07S 660×622 mm	SRR-JHS	SRR-JKY4
SRR-K1281-ME	○		○	○
K1581-ME		○	○	○
SRF-K1281-ME	○		○	○
K1581-ME		○	○	○

◎ Customer Memo

Please fill the spaces at the time of purchase. It is convenient when requesting a repair.

Product number			
Date of purchase	Month	Day	Year
Product distributor name			
	Phone: ()	-	