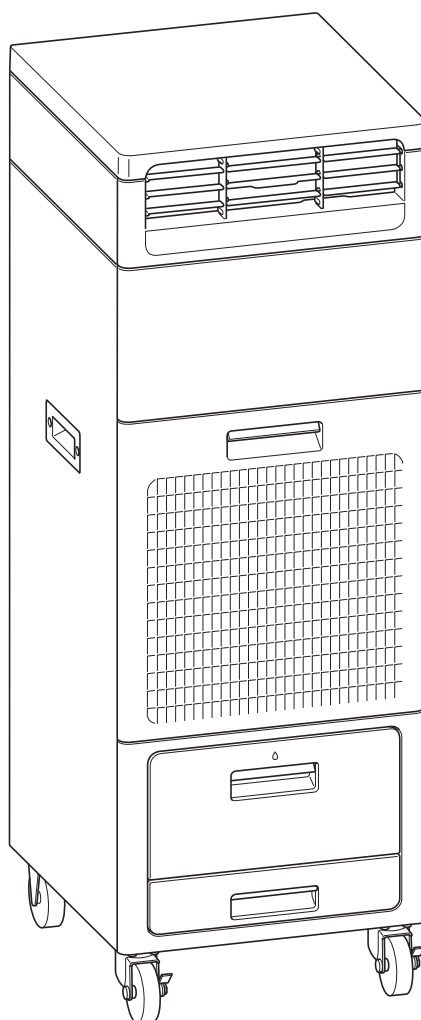


Spot Cooler



PD-7105

User's Guide



Thank you for purchasing this product.

- Please read this manual before using this product.
- Please be careful not to lose this document and to keep it handy so that you can refer to it at any time.
- The contents of this document and the specifications of this product are subject to change without notice.

Table of Contents

How to Read this Guide	2
Part Names	3
1. Preparation before Use	5
How to lift this product	5
Securing and unlocking this product	5
Connecting the power plug	6
How to supply water	6
How to drain	8
2. First of All, Let's Try	11
Starting operation	11
Changing the air volume	11
Changing the cool air and fan modes	12
Muting the operation sound	12
Changing the airflow direction	12
Timing of water supply	13
Stopping operation	14
3. How to Clean	15
Cleaning the air filter	15
Cleaning the cooling unit	17
Cleaning the sub tank	21
Cleaning the water filter	22
4. Troubleshooting	23
5. Accessories	25
6. Specifications	26
7. When Storing (When Not Using for a Long Period of Time)	27

How to Read this Guide

If you have concerns about how to use your product safely after reading this guide, contact Brother customer service or your local Brother dealer. Failure to follow these instructions may result in an increased risk of personal injury or damage to property, including through fire, electric shock, burns, or suffocation. Brother shall not be liable for damage caused where the product owner has failed to follow the instructions set out in this guide. The following symbols and conventions are used throughout this document.

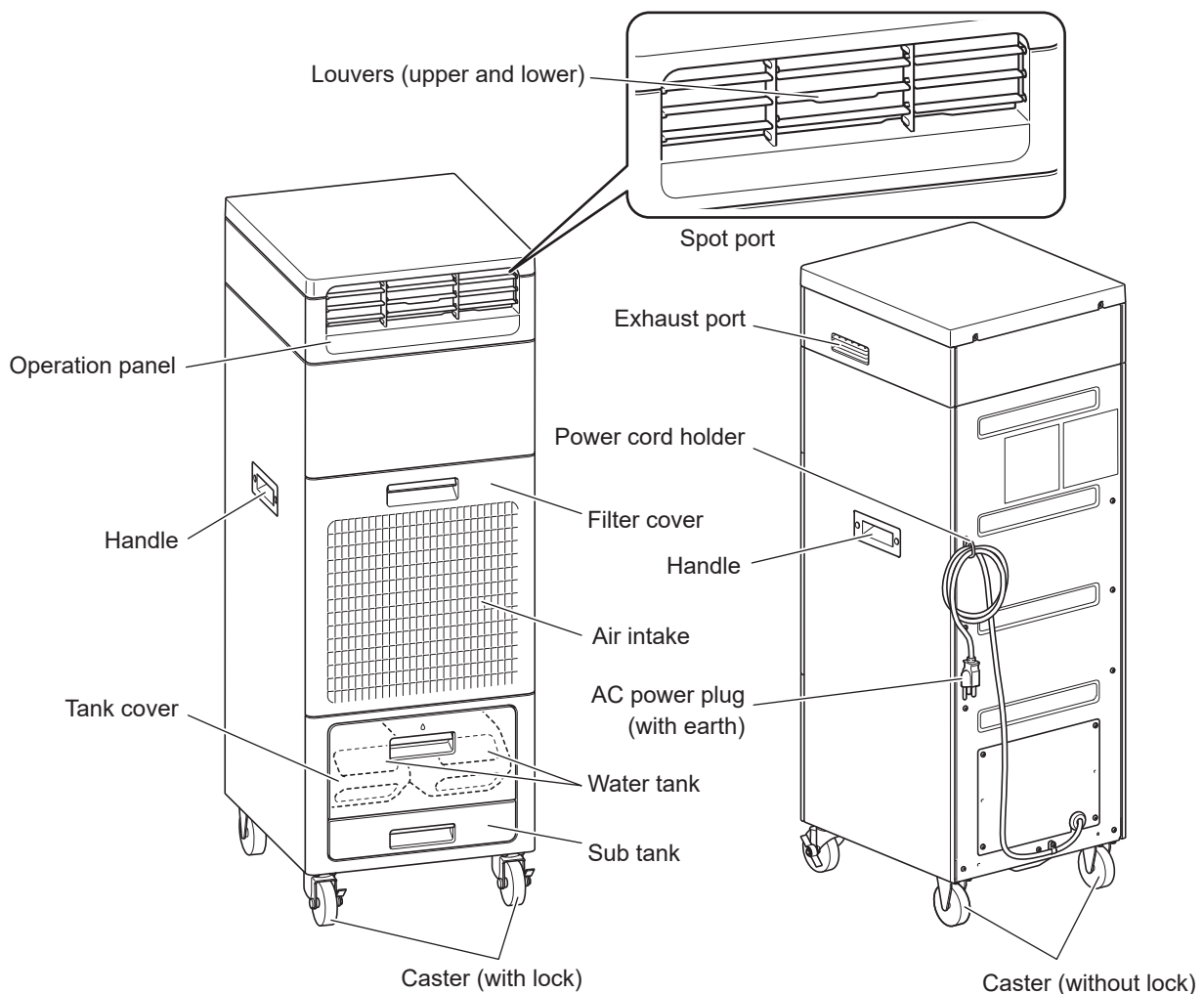
 WARNING	WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injuries.
 CAUTION	CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injuries.
IMPORTANT	IMPORTANT indicates a potentially hazardous situation which, if not avoided, may result in damage to property or loss of product functionality.
NOTE	NOTE specifies the operating environment, conditions for installation, or special conditions of use.
Tips	This guide provides supplementary information regarding the operating procedures of this product.

	Fire Hazard icons alert you to the possibility of a fire.
	Electrical Hazard icons alert you to possible electrical shocks.
	Prohibition icons indicate actions that must not be performed.
	This icon indicates that the product may ignite due to an external fire.
	This icon indicates that touching certain parts of the product may cause an injury.

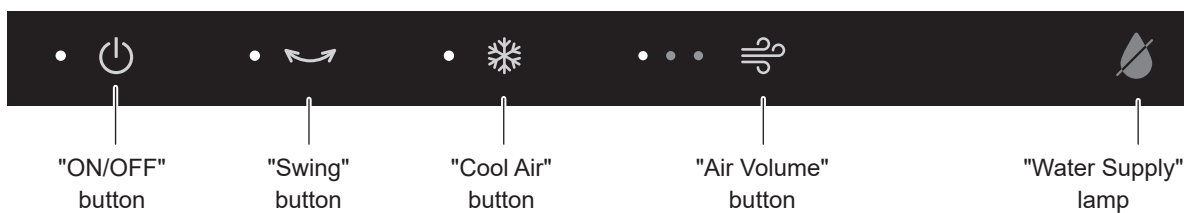
	This icon indicates that disassembling the product may cause an injury, such as an electric shock.
	This icon indicates that handling the product with wet hands may result in an electric shock.
	This icon indicates that getting the product wet may result in an electric shock.
	This icon indicates that you "must do" the indicated action.
	This icon indicates that you should unplug the power plug from the electrical socket.
	This icon indicates that you should connect the earth.

Part Names

[Product body]



[Operation panel]



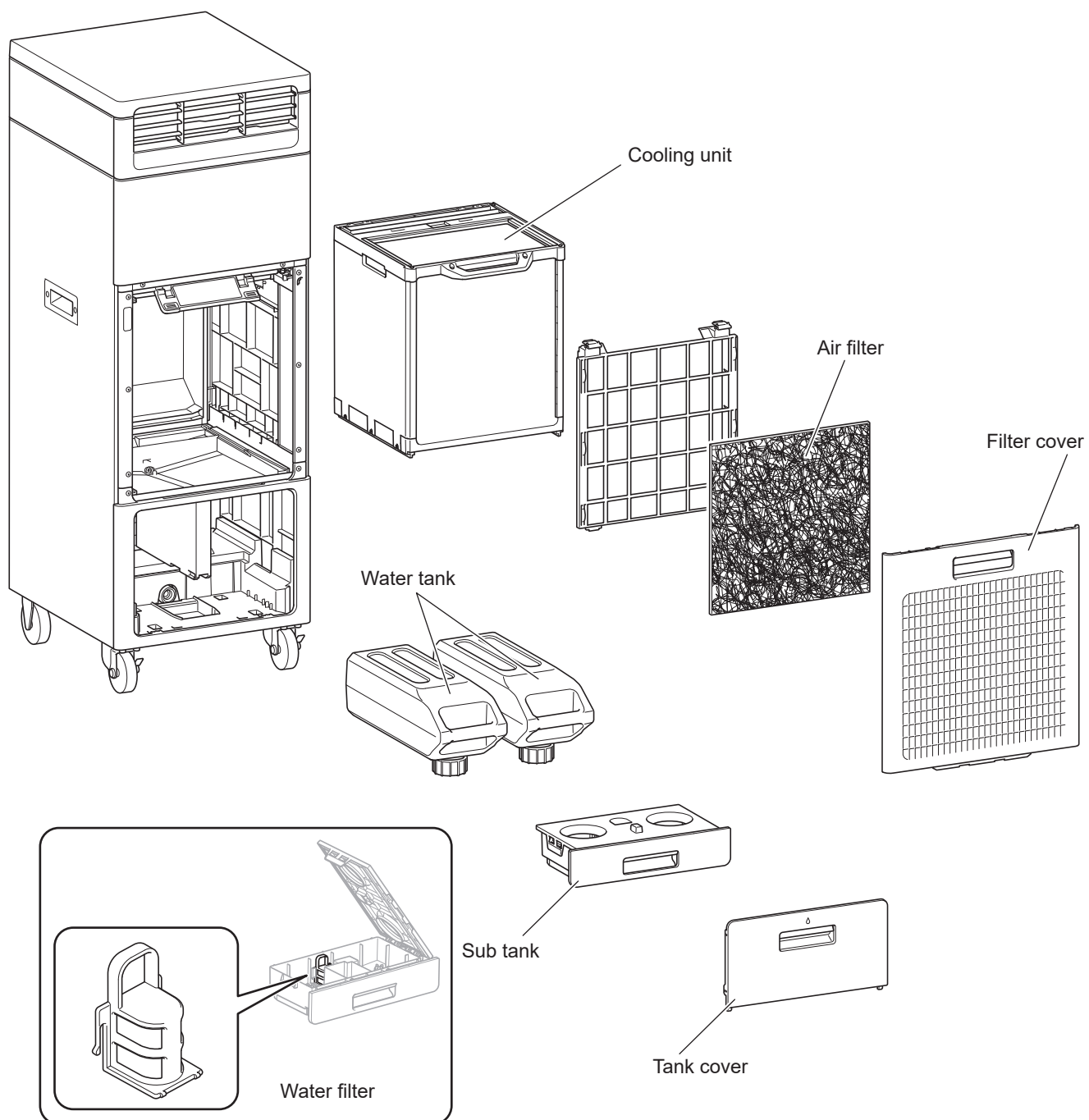
- "ON/OFF" button : Starts or stops operation.
- "Swing" button : Switches the airflow direction between swing and fix modes.
- "Cool Air" button : Switches the operation mode (Cool Air/Fan).
- "Air Volume" button : Changes the air volume (3 levels).
- "Water Supply" lamp : Lights up when the water tank is empty. If this lamp lights up, fill the tank with water and then press the "Cool Air" button.

IMPORTANT

If the unit is forced to end operation after using the Cool Air mode, the inside of the unit may not be dried fully this may cause dampness and odours. (For more information, see page 14.)

Part Names (continued)

[Optional items and supplies]



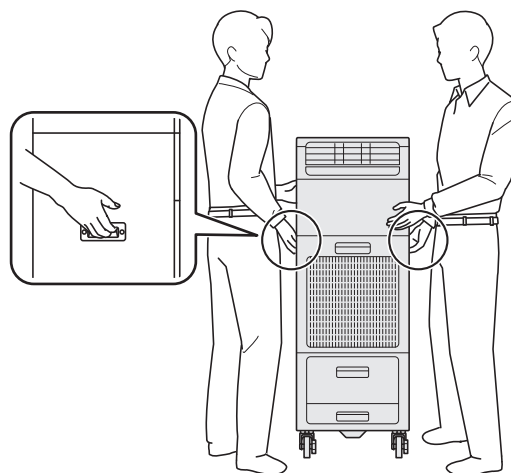
1. Preparation before Use

How to lift this product

! WARNING

For safety, always lift this product with at least two people.

When lifting this product, hold the handle with one hand as shown in the figure and place the other hand on the product.



Securing and unlocking this product

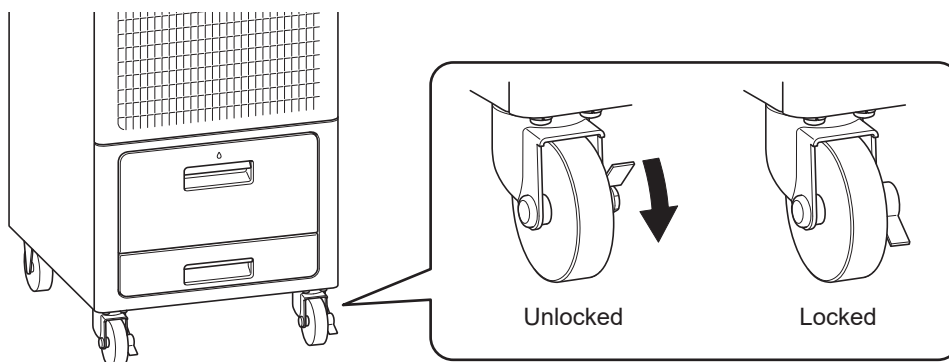
! CAUTION

When not moving this product, be sure to secure it in place.

If the casters (with locks) are not secured in two places, the product may move during maintenance, such as cleaning, causing an injury.

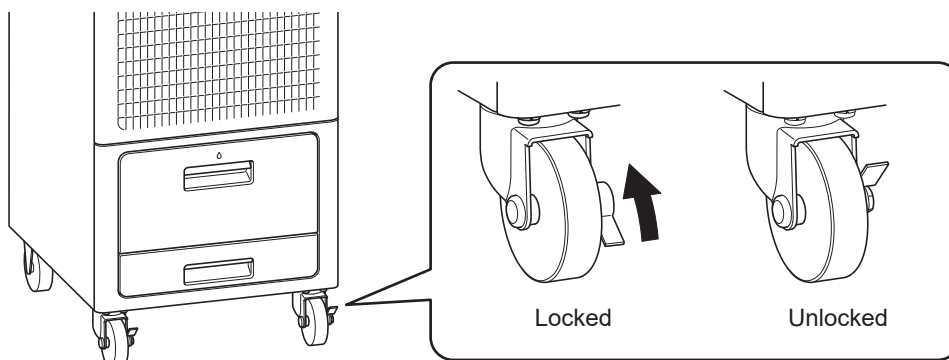
[How to fix]

1. Lock (ON) the two casters (with locks) of this product.



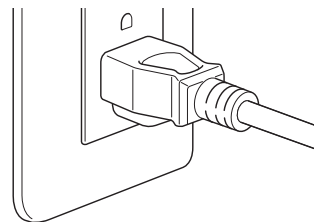
[How to release]

1. Unlock (OFF) the two casters (with locks) of this product.



Connecting the power plug

Make sure you insert the power plug securely into the electrical socket (AC 220-240 V).

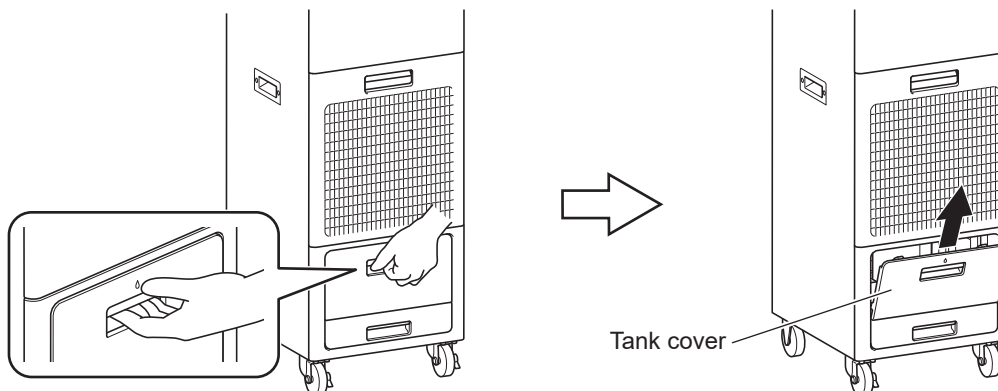


! WARNING

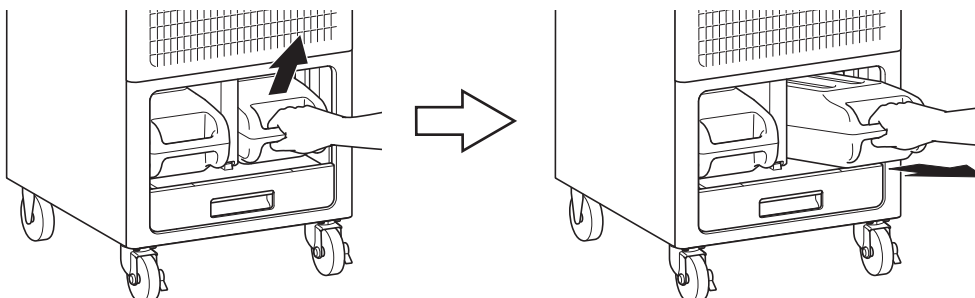
- Use an electrical socket equipped with an earth leakage breaker. Incomplete earthing may result in an electric shock.
 - DO NOT use any power source other than AC 220 to 240 V.
 - Make sure you insert the power plug firmly into the electrical socket.
 - Periodically unplug the power cord and power plug from the electrical socket and check them for damage, such as heat generation, rust, bends, abrasions, or cracks.
 - DO NOT forcibly bend or pull the power cord.
 - Unplug the power plug if the cord is not to be used for an extended period of time.
 - DO NOT plug or unplug the power plug with wet hands.
 - When cleaning the product, always make sure you unplug the power plug completely from the electrical socket.
-

How to supply water

1. Pull the tank cover lever to remove it from the main unit.



2. Lift the handle of the water tank and pull it towards you to remove it.

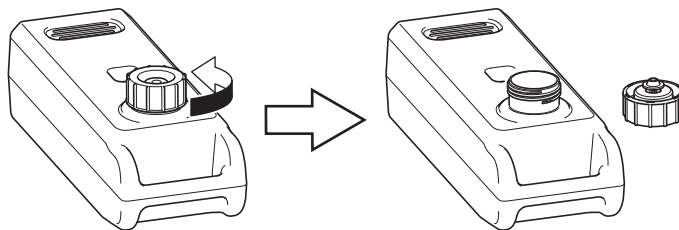


! CAUTION

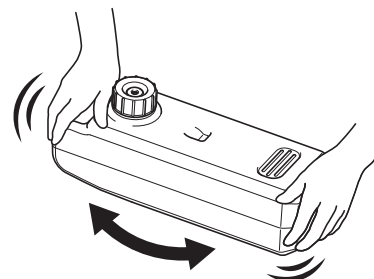
When removing the water tank from this product, lock (ON) the two casters (with lock) of this product before removing it. If you try to remove the water tank with the casters (with lock) unlocked (OFF), the product may move, causing an injury.

How to supply water (continued)

3. Remove the water inlet/outlet cap from the water tank.



4. Fill the water tank with a small amount of water, attach the water inlet/outlet cap, and then shake it to wash it.

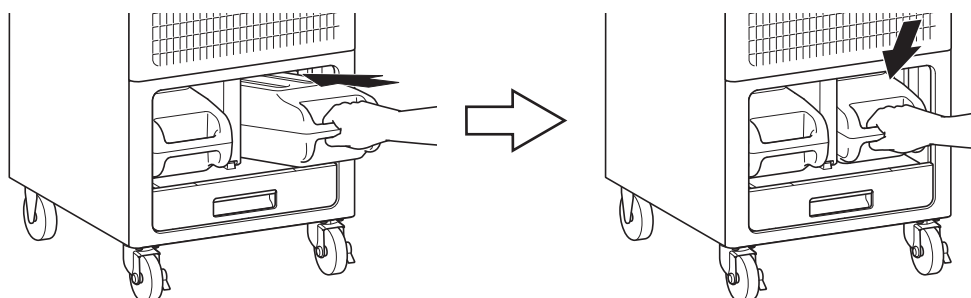


5. Tilt the water inlet/outlet port of the water tank downwards and pour out the water used for rinsing by shaking the tank.

6. Supply tap water.

7. Securely close the water inlet/outlet cap on the water tank.

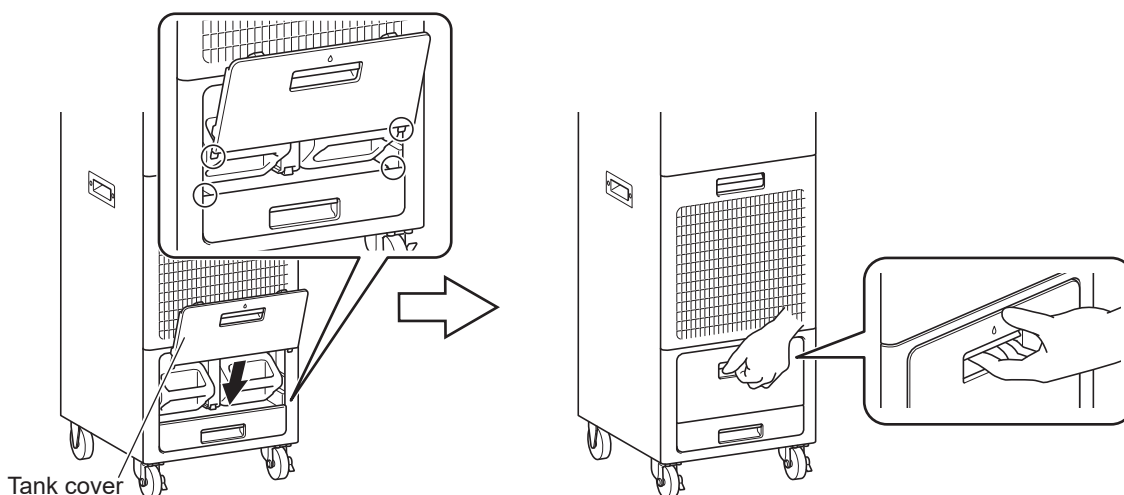
8. Attach the water tank to the main unit.



NOTE

- When carrying a water tank filled with water, use both hands.
- Check that there are no water leaks from the water tank or sub tank.
 - * If there is a leak, close the water inlet/outlet cap again, check for cracks or other damage, and then contact the dealer you purchased the product from or Brother customer service. For purchasing optional items, see page 25.

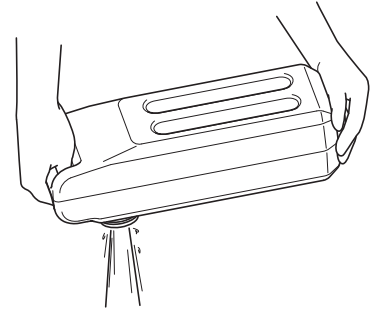
9. Insert the tank cover guide into the main unit, release the lever, and attach the tank cover to the main unit.



How to drain

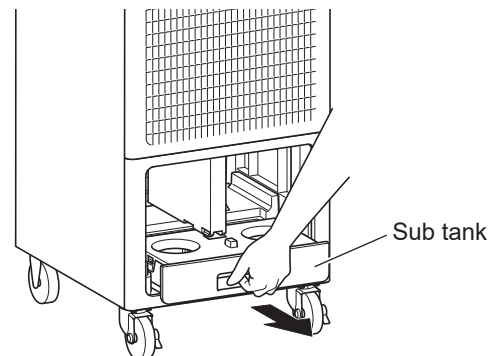
[When draining the water from the water tank]

1. Remove the tank cover. (For more information, see page 6.)
2. Lift the handle of the water tank and pull it towards you to remove it. (For more information, see page 6.)
3. Remove the water inlet/outlet cap from the water tank. (For more information, see page 7.)
4. Drain the water by tilting the water inlet/outlet port of the water tank downwards.
5. Close the water inlet/outlet cap securely.
6. Attach the water tank to the main unit. (For more information, see page 7.)
7. Attach the tank cover. (For more information, see page 7.)



[When draining the water from the sub tank]

1. Remove the tank cover. (For more information, see page 6.)
2. Remove the two water tanks from the main unit. (For more information, see page 6.)
3. Remove the sub tank from the main unit.

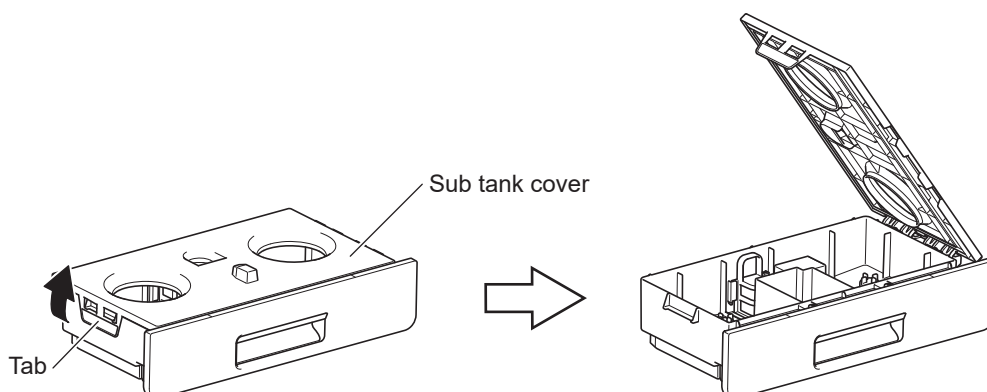


NOTE

When removing the sub tank from the main unit, be sure to remove the tank cover and water tank first before removing the sub tank.

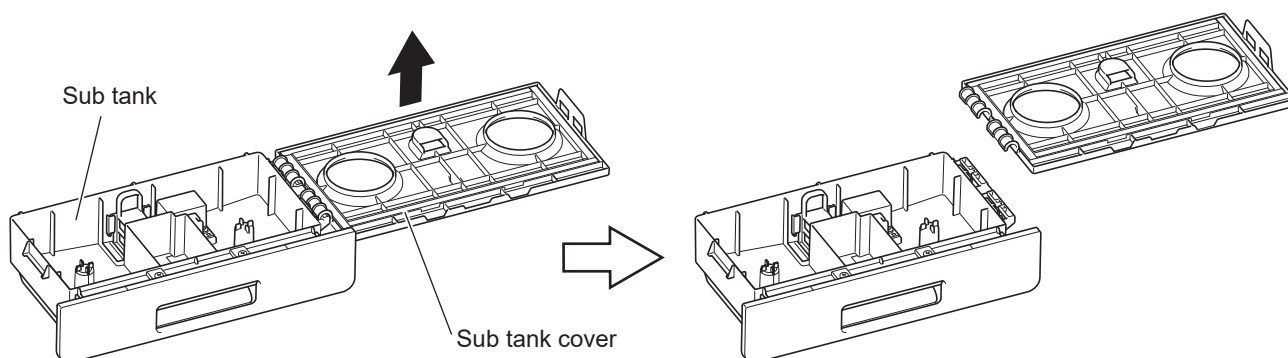
The sub tank cannot be removed while the water tank remains attached.

4. Lift the tab on the left side and open the sub tank cover.

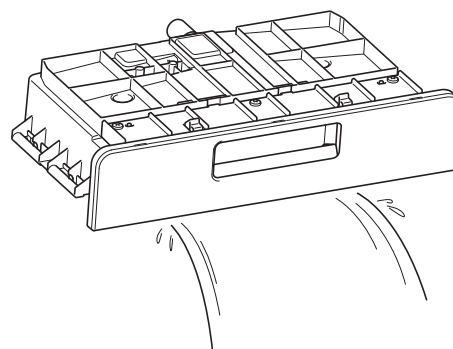


How to drain (continued)

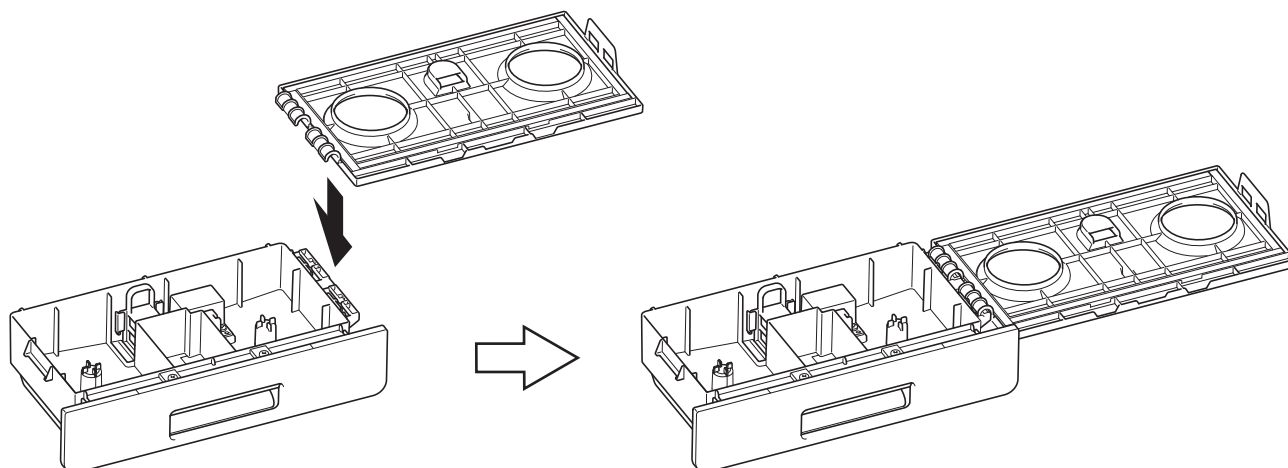
5. Open the sub tank cover completely and remove it upwards.



6. Drain the water from the sub tank.



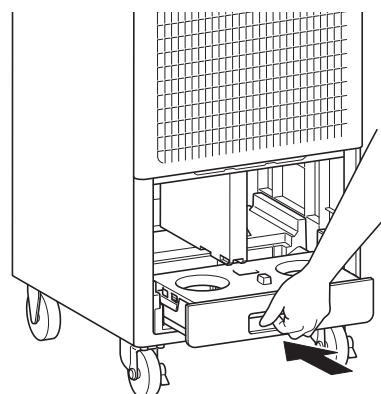
7. Attach the sub tank cover to the sub tank.



8. Close the sub tank cover and attach the tab.

9. Attach the sub tank to the main unit.

* Be sure to insert it all the way.



How to drain (continued)

10. Attach the water tank to the main unit. (For more information, see page 7.)

11. Attach the tank cover. (For more information, see page 7.)

IMPORTANT

- If you do not use the unit every day, use the automatic stop function to dry the inside of the unit when the operation is finished to dry it out. After the drying operation, be sure to drain the remaining water from the water tank and sub tank. If you leave water in the water tank or sub tank, it may cause odours due to decay or microbial growth.
 - When transporting or moving this product, drain the water from the water tank and sub tank before moving it.
-

2. First of All, Let's Try

Starting operation

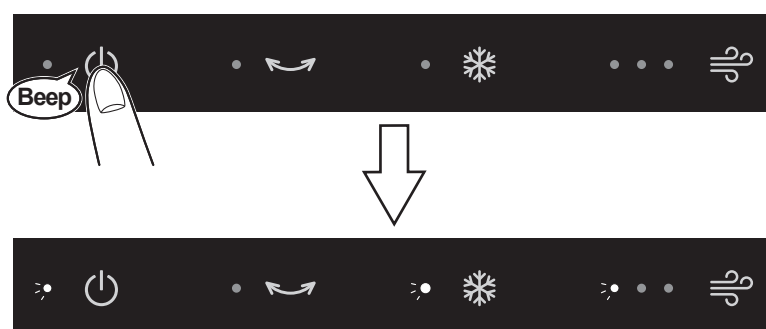
⚠ CAUTION

Make sure the main unit is placed on a level surface and that the casters (with locks) are locked (ON) in two places. (For more information, see page 5.)

NOTE

Make sure there is enough space for ventilation equipment. If used in a small enclosed space, the humidity increases, disabling the cooling capacity from being fully utilised. (When combined with a forced ventilation device, such as a ventilator, it is effective at improving the cooling capacity.)

When you press the "ON/OFF" button, a beep sounds, the "ON/OFF" lamp, the "Cool Air" lamp, and the "Air Volume" lamp light up, and operation starts.

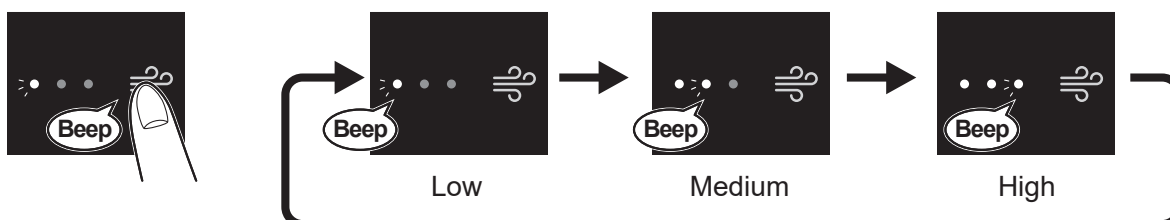


Tips

Depending on the usage environment, it may take some time for cool air to start coming out after operation has started.

Changing the air volume

Each time you press the "Air Volume" button, a beep sounds and the air volume and lamp changes between three levels.



Tips

When operation starts, the product works at the air volume set the last time it was used.

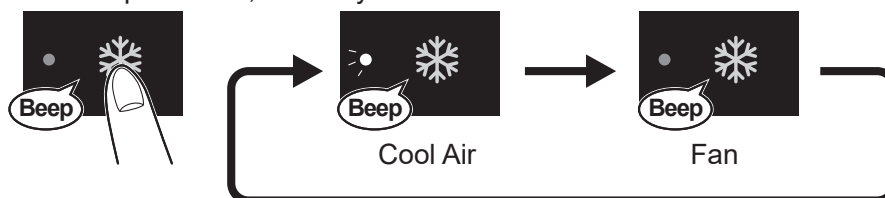
Changing the cool air and fan modes

Each time you press the "Cool Air" button, a beep sounds and the cool air and fan changes alternately.

When operation starts, the product is set to Cool Air mode, so set it to your preferred mode.

Cool Air mode: The lamp lights up, and the fan and pump are activated to perform the cool air operation.

Fan mode: The lamp turns off, and only the fan is activated to blow air.



Muting the operation sound

Hold down the "Cool Air" button to switch to Mute mode.

In Mute mode, the buzzer to notify you when water needs to be added does not activate.

If you hold down the "Cool Air" button in Mute mode, Mute mode is cancelled.

* If an error occurs, an error sound sounds regardless of Mute mode. (For more information, see page 24.)

Tips

When operation starts, the product works in the mode set previously.

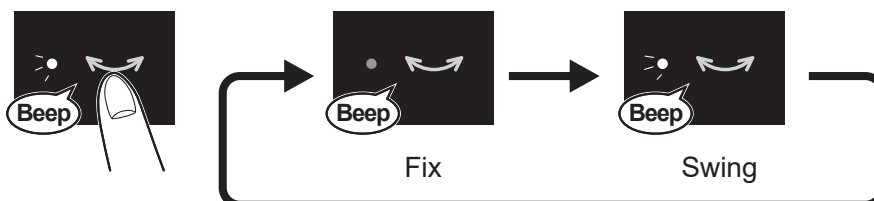
Changing the airflow direction

[Changing the airflow direction left and right]

Press the "Swing" button to change the airflow direction left and right.

When the lamp is lit, the unit swings and the airflow direction continues to change left and right.

Press the "Swing" button and turn off the lamp to lock the airflow direction.

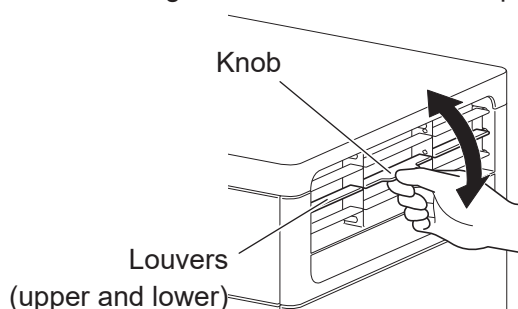


Tips

When operation starts, the product works in the same airflow direction as the last time it was stopped. Swing must be reset.

[Changing the airflow direction up and down]

Hold the louver knob to change the airflow direction to up and down.

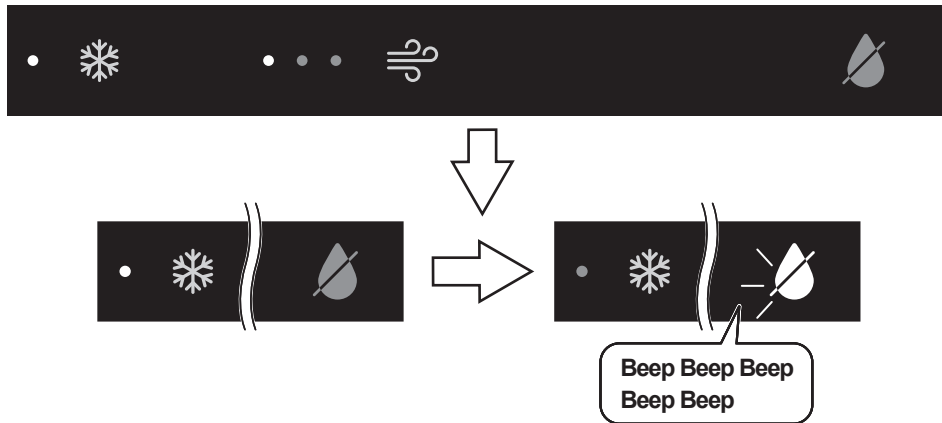


Timing of water supply

If the water in the tank runs out during operation in Cool Air mode, the "Water Supply" lamp lights up and a buzzer activates for 10 seconds to notify you. After that, the buzzer activates every 5 minutes for 30 minutes. To turn off the buzzer, switch to Mute mode. (For more information, see page 12.)

The "Water Supply" lamp remains lit until water is added.

The pump inside the product stops, and the mode is automatically switched to Fan mode.



Tips

Even if there is no water in the water tank, air comes out in Fan mode if the unit is operating.

[How to cancel]

1. Supply water to the water tank while operating. (For more information, see page 6.)
2. Press the "Cool Air" button to switch to Cool Air mode.
 - * The "Water Supply" lamp turns off.



Stopping operation

[Automatic stop function]

Press the "ON/OFF" button while the unit is running.

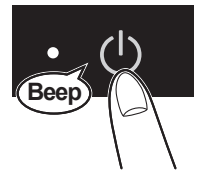
- * The automatic stop function activates, and the unit starts drying operation. The "ON/OFF" lamp flashes, and the air volume lamp lights up according to the selected air volume. Operation automatically stops after 30 minutes.
- * The pump stops while the automatic stop function is active, and the unit operates in Fan mode to dry the inside of the unit.



[Forced stop function]

Hold down the "ON/OFF" button while the unit is running or while the automatic stop function is active.

- * The "ON/OFF" light turns off, and the system forcibly stops all operations.



IMPORTANT

If the unit is forced to end operation after using the Cool Air mode, the inside of the unit may not be dried fully this may cause dampness and odours.

If the forced stop function is frequently repeated, it may cause water to overflow from the sub tank.

NOTE

Do not pull the power plug out of the outlet while the unit is operating except under abnormal circumstances.

3. How to Clean

NOTE

- Do not use cleaning sprays or alcohol when cleaning the main unit.
- Perform maintenance as needed by checking the condition of the air filter, cooling unit, sub-tank, and water supply filter for dirt.
- Cleaning them early makes it easier to remove dirt and help maintain cooling performance.
- Be sure to clean the unit before using it after a long period of storage and before storing it after it has been used.

■ Guideline for cleaning frequency

* The cleaning frequency varies depending on the usage environment and conditions.

Draining the remaining water in the water tank and sub tank (page 8)	Daily
Cleaning the air filter (page 15)	Once every two weeks
Cleaning the cooling unit (page 17)	Once every two weeks
Cleaning the sub tank (page 21)	Once every two weeks
Cleaning the water supply filter (page 22)	Once every two weeks

Cleaning the air filter

! WARNING

Always make sure the power plug is securely unplugged from the electrical socket.

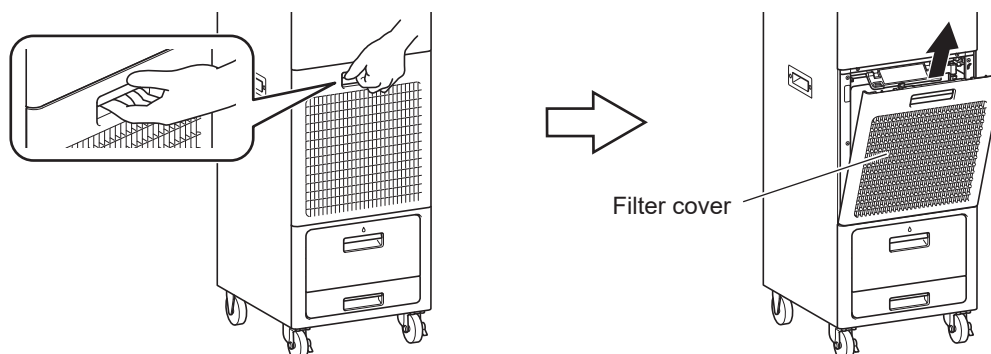
! CAUTION

- Make sure the main unit is placed on a level surface and that the casters (with locks) are locked (ON) in two places.
- Please allow the unit to perform it's cleaning routine after pressing the "ON/OFF" button before maintenance. This will avoid excess water leakage during maintenance.

IMPORTANT

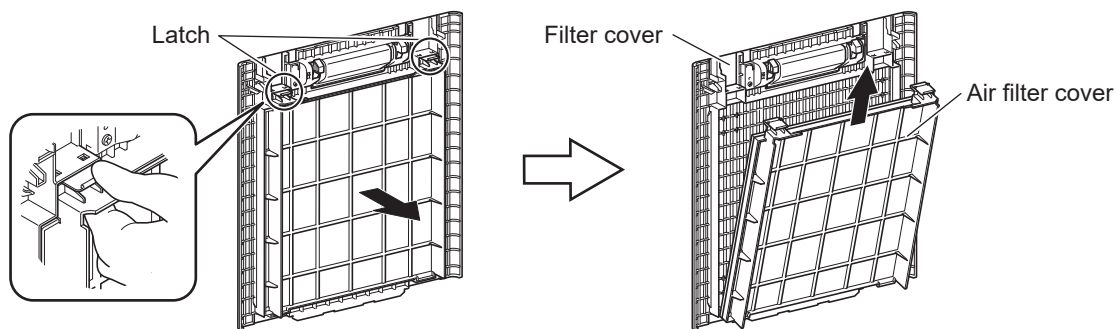
If the air filter becomes very dirty, it may cause a reduction in cooling performance and airflow volume, so clean the air filter approximately once every two weeks.

1. Pull the filter cover lever to remove it from the unit.

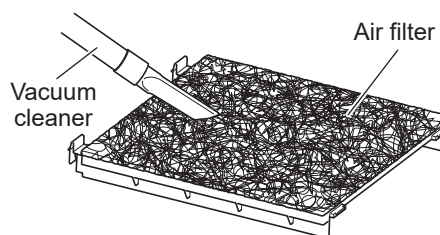


Cleaning the air filter (continued)

2. Pinch the two latches to remove the air filter cover from the filter cover.



3. Vacuum the dust off the air filter or wash it thoroughly with water or lukewarm water.

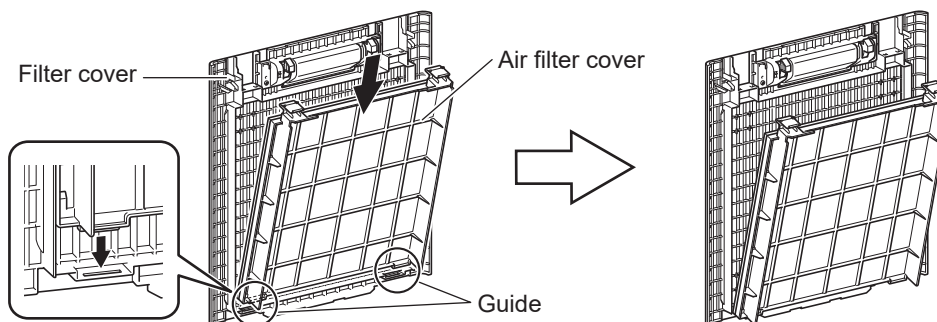


4. After cleaning, rinse thoroughly with water and dry.

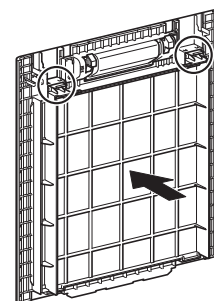
IMPORTANT

- DO NOT use organic solvents, such as paint thinner or trichloroethylene for cleaning.
 - If the air filter is damaged or torn, it may not function correctly. If the air filter is damaged or torn, replace it immediately. Doing so may cause the unit to malfunction.
-

5. Insert the two guides on the air filter cover into the filter cover and attach the air filter cover.

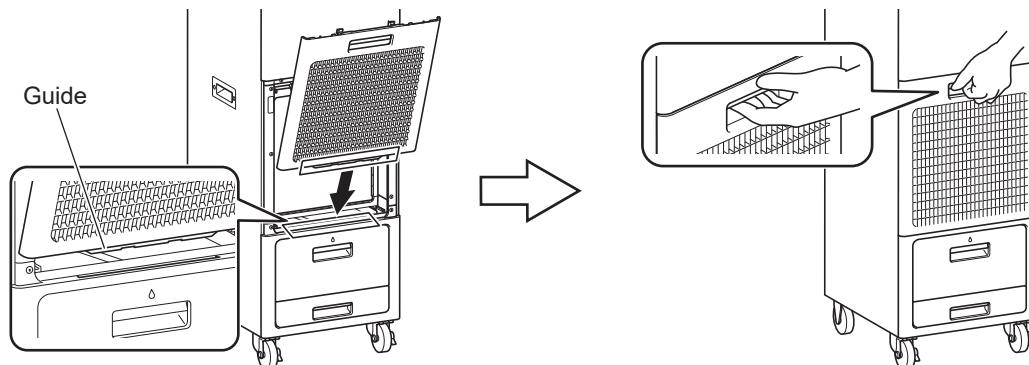


6. Secure the two latches on the air filter cover to the filter cover.



Cleaning the air filter (continued)

7. Insert the filter cover guide into the main unit, release the lever, and attach the filter cover to the main unit.



Tips

Close the filter cover until you hear a click.

If you press the "ON/OFF" button when the filter cover is not completely closed, all LEDs on the operation panel light up, and the unit does not work.

Press the "ON/OFF" button again with the filter cover closed.

Cleaning the cooling unit

! WARNING

DO NOT remove the filter cover while the product is operating.
You may be injured if you touch the rotating parts.

! CAUTION

Make sure the main unit is placed on a level surface and that the casters (with locks) are locked (ON) in two places.

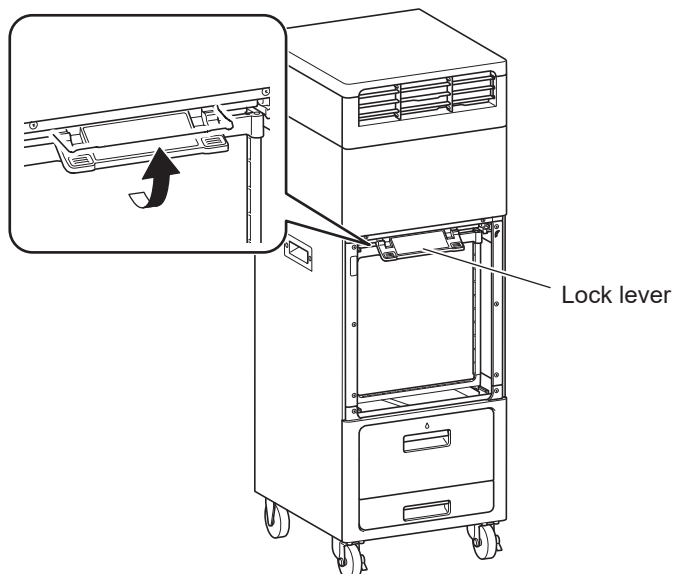
IMPORTANT

If the cooling unit becomes very dirty, it may cause a reduction in cooling performance and airflow volume, so clean the cooling unit approximately once every two weeks.

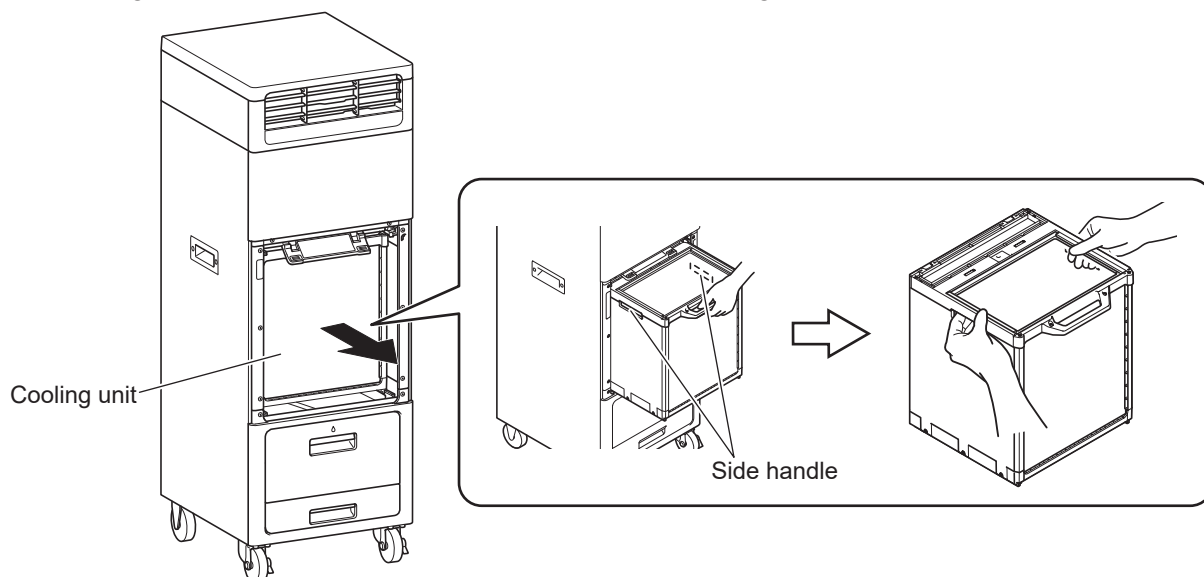


Cleaning the cooling unit (continued)

1. Remove the filter cover from the main unit. (For more information, see page 15.)
2. Raise the lock lever.



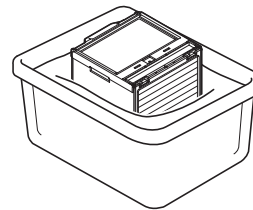
3. Pull out the cooling unit with one hand until you can see the handle on the side of the cooling unit, then use both hands to remove the cooling unit.



Cleaning the cooling unit (continued)

4. Dissolve baking soda or citric acid thoroughly in lukewarm water (below 40°C) and soak the cooling unit for about 30 minutes to wash.

- * Use baking soda to remove oily stains and odours, and citric acid to remove water stains and mold.
- * Amount of baking soda used (approximate): 40 g per 1 L
- * Amount of citric acid used (approximate): 6 g per 1 L



IMPORTANT

- DO NOT mix baking soda and citric acid.
- If baking soda or citric acid remains, it may cause odours or malfunction.
- If you continue to use the cooling unit without cleaning it using baking soda or citric acid, its lifespan will shorten. You may have to replace it even before three years have passed.
- Purchase baking soda and citric acid at a pharmacy, home improvement centre, or online, and store them appropriately.
- If it is difficult to remove water stains, soak for a longer period (up to two hours).

5. Wash the cooling unit with tap water.

- * If the cooling element has been removed, wash it with tap water as well.

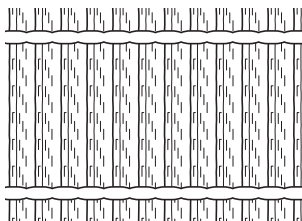
6. Attach the cooling unit to this product.

- * If you have removed the cooling element, first attach it back into the cooling unit.

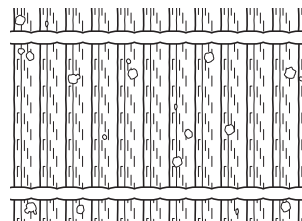
Tips

If white scale (scale) is adhered on the cooling element (see the next page), we recommend washing it with citric acid.

Without scale

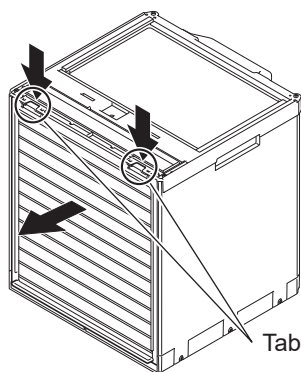


With scale

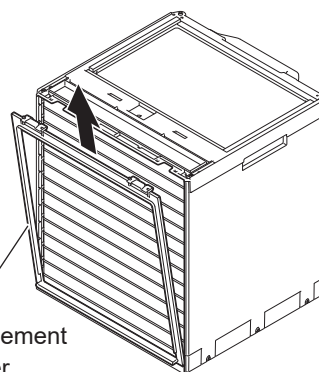


If you can visually check that the white scale (scale) is only on the cooling element, you can remove the cooling element from the cooling unit and wash it.

- (1) Press in the two tabs and remove the cooling element case cover.

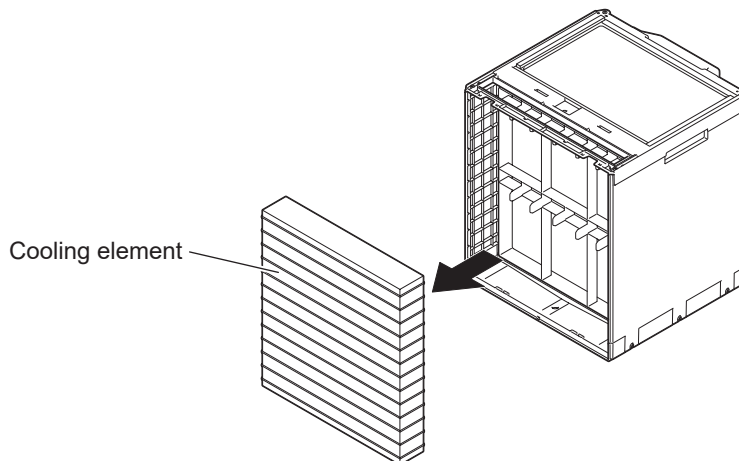


Cooling element case cover



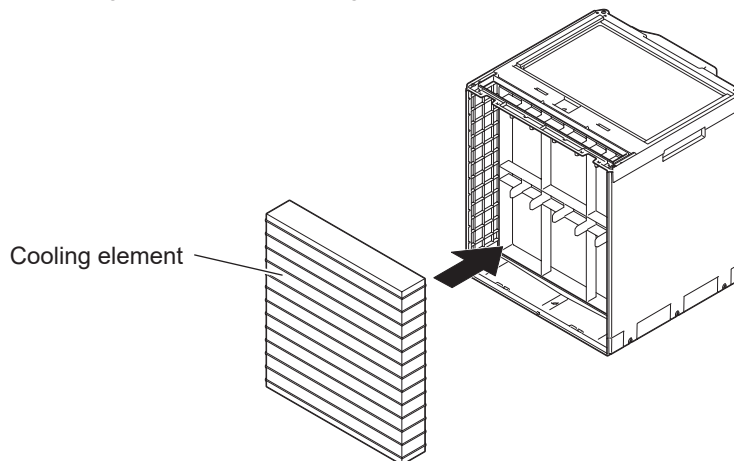
Cleaning the cooling unit (continued)

- (2) Remove the cooling element from the cooling unit.

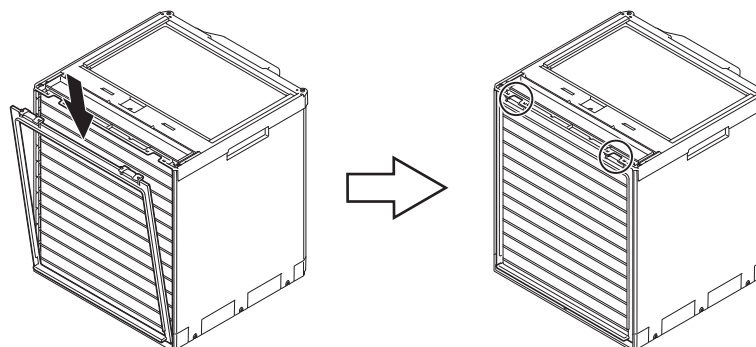


- (3) Thoroughly dissolve citric acid in lukewarm water (below 40°C) and soak the cooling element for about 30 minutes to wash it.

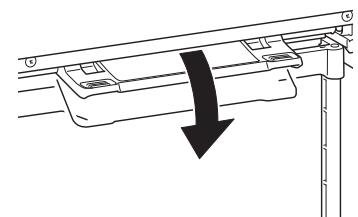
- (4) Attach the cooling element to the cooling unit.



- (5) Fit the two tabs, and attach the cooling element case cover to the cooling unit.



-
7. Lower the lock lever.



Tips

Make sure you lower the lock lever. The filter cover cannot be attached when the lock lever remains raised. If you try to attach the filter cover with the lock lever raised, the parts may be damaged.

8. Attach the filter cover to the main unit. (For more information, see page 17.)

Cleaning the sub tank

IMPORTANT

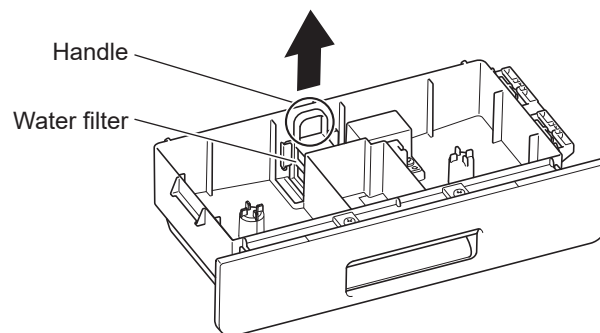
- Drain any remaining water in the sub tank every day.
 - If the sub tank becomes very dirty, it may cause a decrease in the cooling function and air volume, so clean the sub tank approximately once every two weeks.
-

1. Remove the tank cover and water tank. (For more information, see page 6.)
2. Remove the sub tank from the main unit and remove the sub tank cover. (For more information, see page 8.)

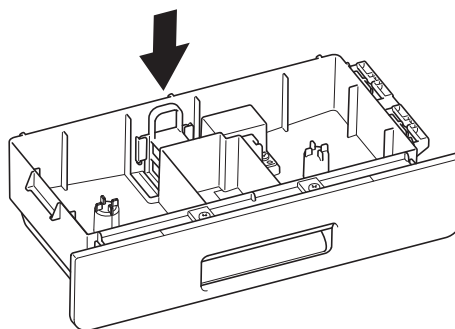
Tips

The water may become coloured when you first started using the unit, however, this is not a malfunction of the product unit.

3. Pull the handle of the water filter up to remove the water filter.



4. Wash the sub tank and sub tank cover with tap water.
5. Attach the water filter.



Tips

Lower the water filter until you hear a click.

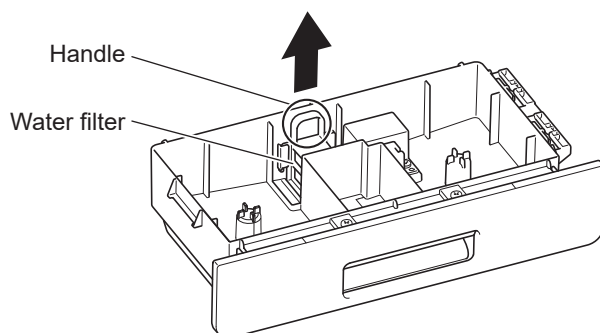
6. Attach the sub tank with the sub tank cover attached to the main unit. (For more information, see page 9.)
7. Attach the water tank and tank cover. (For more information, see page 7.)

Cleaning the water filter

IMPORTANT

If the water filter becomes very dirty, it may cause a reduction in cooling performance and airflow volume, so clean the water filter approximately once every two weeks.

1. Remove the tank cover and water tank. (For more information, see page 6.)
2. Remove the sub tank from the main unit and remove the sub tank cover. (For more information, see page 8.)
3. Pull the handle of the water filter up to remove the water filter.

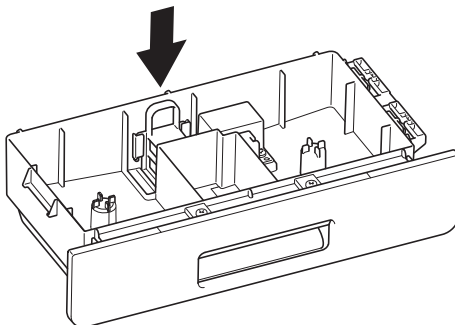


4. Wash the water filter with tap water.

Tips

If the water filter is very dirty, replace it with a new one.

5. Attach the water filter.



Tips

Lower the water filter until you hear a click.

6. Attach the sub tank with the sub tank cover attached to the main unit. (For more information, see page 9.)
7. Attach the water tank and tank cover. (For more information, see page 7.)

4. Troubleshooting

If the solution in the table below is "Contact your dealer" or if the solution does not work even after you followed the solution, contact the dealer where you purchased the product or Brother customer service.

Symptom	Cause	Action
• Does not work at all	• Power is not turned on.	• Turn the power on (page 6)
• The left and right airflow directions remain unchanged.	• The "Swing" button is not pressed. • Malfunction around the louvers.	• Press the "Swing" button. • Contact your dealer.
• Low air volume	• Air filter or cooling element is clogged. • Small space on the intake side	• Clean the air filter or cooling element (page 15, 17) • Ensure a sufficient space (50 cm or more).
• The water supply lamp lights up.	• The tank is low in water.	• Fill with water. (page 6)
• The water supply lamp lights up even though there is water in the water tank	• The lamp does not turn off automatically after water supply. • No water has accumulated in the sub tank immediately after water supply. • The unit is tilted. • The water tank is not securely attached to the unit.	• Press the "Cool Air" button once. • Wait a little while after filling with water, and then press the "Cool Air" button once. • Install on a level surface. • Make sure you insert the water tank all the way to the end of the unit. (page 7)
• No cold air comes out even though there is water in the water tank.	• The unit is tilted. • The unit is in Fan mode. • The water tank is not securely attached to the unit. • The sub tank is not inserted all the way to the end. • Pump malfunction.	• Install so that it is level. • Press the "Cool Air" button to switch to Cool Air mode. *Depending on the usage environment, it may take some time for cool air to start coming out. • Make sure you attach the water tank to the unit. (page 7) • Insert all the way to the end. (page 9) • Contact your dealer.
• Water leaking from the unit	• The unit is not kept level. • Part damage	• Level the unit. • Contact your dealer.
• Vibrations or noises occur.	• Failure in the fan or around the fan	• Contact your dealer.
• There is an unpleasant odour in the cool air.	• Bacteria are growing in the water or circulation path. • The cooling unit has noticeable dirt on it, such as black mold. • Water other than tap water is being used.	• Clean the water tank and sub tank, and supply tap water. (page 6) • Clean or replace the cooling unit. (page 17) • Use tap water.
• Noises are heard.	• The "bubbling" sound is caused by air getting into the water tank when water is supplied from the water tank to the sub tank • The "buzzing" and "zee" sounds are caused by the fan running.	• This is not abnormal. • This is not abnormal. If the sound is louder than usual, clean the air filter and cooling element before use. (page 15, 17)
• An odour is emitted.	• The cooling element and sub tank are dirty.	• Clean the cooling element and sub tank (page 17, 21)

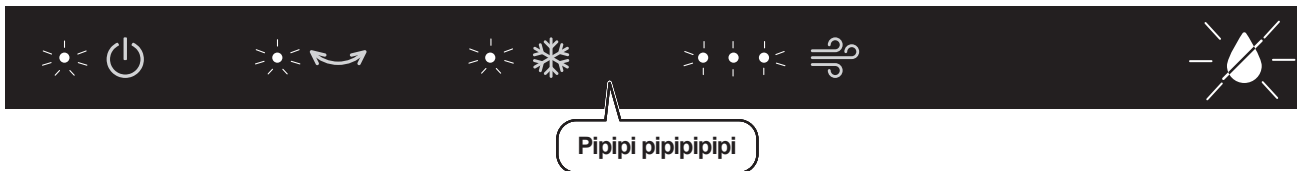
[About when an error occurs]

When an error occurs, an error sound is heard, and all the lights flash. The error sound "Pipipi...pipipipipi" is emitted for 10 seconds.

Unplug and plug the power cord back in, then restart the unit. If the error persists, perform the following maintenance steps.

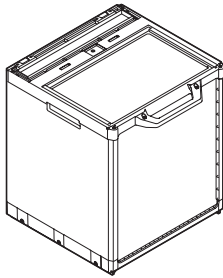
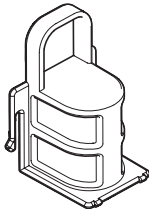
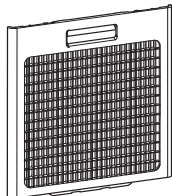
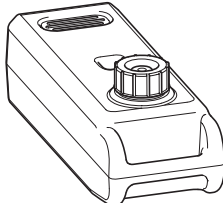
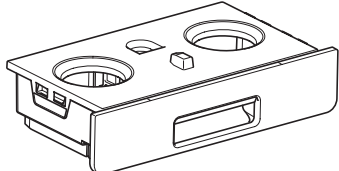
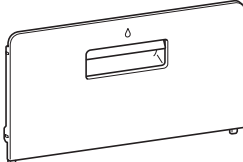
- Cleaning the water filter (page 22)
- Cleaning the air filter (page 15)
- Cleaning the cooling unit (page 17)

If an error sound persists after you performed the above steps, contact the dealer where you purchased the product, or Brother customer service.



5. Accessories

Order the following accessories from the dealer where you purchased the product:

	Product name (Model No.)	Note
Supplies	Cooling unit (7A-1001) 	We recommend replacing the unit every three years (when operated for eight hours a day, six months a year, and cleaned using citric acid once a month). If dirt or water stains become difficult to remove or the unit is severely damaged or misshapen, we recommend replacing the unit within three years.
	Air filter (7A-2001) 	We recommend replacing the unit every three years. If it becomes difficult to remove dirt or if odours develop, we recommend replacing the unit within three years.
	Water filter (7A-3001) 	We recommend replacing the unit every three years. If the filter is clogged with foreign objects or severely damaged, we recommend replacing the unit within three years.
Optional items	Filter cover (7R-2001)  * Including the air filter and air filter cover	Replace parts if they become worn, damaged, or lost.
	Water tank (7R-3001) 	
	Sub tank (7R-4001)  * Including the water filter	
	Tank cover (7R-5001) 	

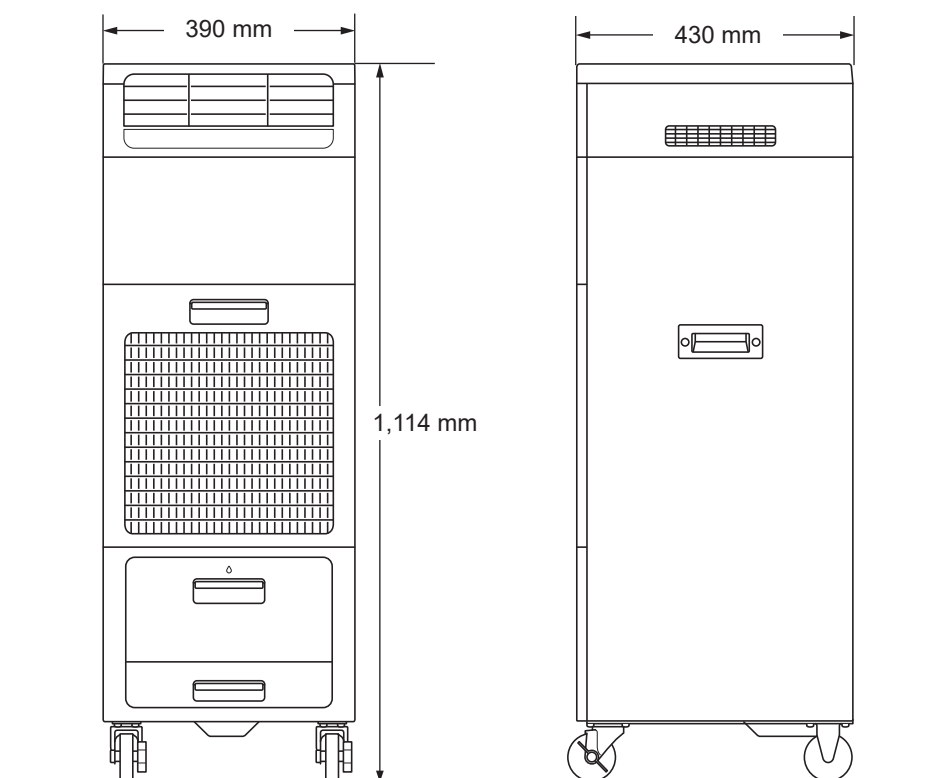
6. Specifications

Product name	Spot Cooler
Model No.	PD-7105
Power supply voltage and frequency	AC 220-240 V, 50/60 Hz
Power consumption	Air volume High: 160 W, Medium: 100 W, Low: 30 W
Air volume	High: 500 m³/h, Medium: 410 m³/h, Low: 220 m³/h
Swing angle	Horizontal (automatic swing): Approximately 100°, Upward (manual adjustment): Approximately 35°, Downward (manual adjustment): Approximately 45°
Water tank capacity	Approximately 10 L (approximately 5.0 L x 2)
Continuous cool air usage time ^{*1}	Approximately 6 hours
Operating noise	Air volume High: 65 dB, Medium: 60 dB, Low: 46 dB
Cord length	2 m
External dimensions (width x depth x height)	390 mm x 430 mm x 1,114 mm (excluding duct opening)
Weight ^{*2}	33 kg

* 1 Air volume Medium at 35°C / 50%

* 2 Tank empty

[Outer diameter dimension]



7. When Storing (When Not Using for a Long Period of Time)

1. Drain all the remaining water from the water tank and sub tank.
2. Perform maintenance according to "3. How to Clean".
3. Operate in Fan mode for about 1.5 hours to dry the inside of the unit, then stop operation.
4. Unplug the power plug from the electrical socket.
5. When the product and parts are dry, put a cover on them to prevent dust from accumulating, and store them upright, not lying down, indoors in a low humidity environment.

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