

# Operating Instructions Dehumidifier

## Model No. **GCM33H**

This product is for indoor use only

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Correct use will help you save electricity

Warranty card included Separately

Thank you for purchasing this KDK product.



- Please read these operating instructions carefully, in order to use the product correctly and in a safe manner.
- Also, be sure to read the "Safety precautions" section (pages 2~4), before use.
- Make sure that the correct information is written on the warranty card, including the date of purchase and the name of the distributor. Keep the warranty documentation in a safe place along with the operating instructions for future reference.

# Safely precautions




Always pay attention to these precautions


To prevent users and others bodily harm or property losses, we are explaining the precautions must be observed.



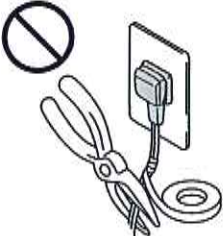
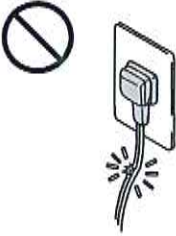
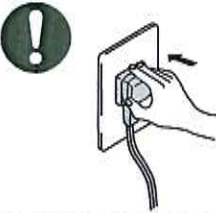


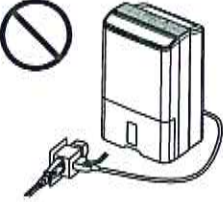

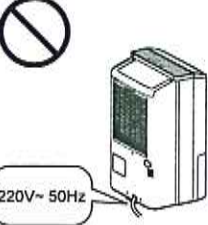
■ Ignoring the symbols incorrect operation, can result in harm or level of damage, described in the following two categories.

	<b>WARNING</b>	This symbol indicates the "Possibility of death or serious injury".
	<b>CAUTION</b>	This symbol indicates the "Possibility of injury or damage to property".

■ Meanings of symbols that always observed are as shown below.

	This symbol indicates an action that "requires caution".
	This symbol indicates a "never do this" action.
	This symbol indicates an "always do this" action.

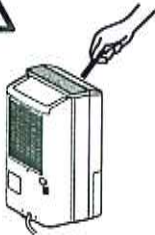
 **WARNING**

<p>■ Do not do anything that may damage the power cord or power plug.</p>   <p>Do not damage, modify, bend strongly, pull, place heavy objects on top or binding with nylon yarn or wire on power plug. If using damaged power cord, may result in electric shock, short circuit, causing fire.</p> <p>● 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.</p>	<p>■ Avoid the power cord if it is damaged or modified</p>  <p>Damage from heavy objects placed on top, heating, or pulling could cause fire or electric shock.</p>	<p>■ Do not use a damaged power cord</p>  <p>Using damaged power cord, electric shocks or fire may occur. Please consult with the dealership or service station.</p>	<p>■ Insert the power plug completely</p>  <p>If the power plug is not inserted securely, fire due to overheating may occur.</p> <p>● Do not use damaged power plugs or loose wall sockets.</p>
<p>■ Do not unplug the power plug with wet hands.</p>   <p>Electric shocks may occur.</p>	<p>■ Do not use overloaded the rated current of the power outlet and wiring equipment.</p>  <p>Use too many branch lines will exceed the rated current, it may cause a fire by overheating.</p>	<p>■ Do not start or stop the unit by plugging or unplugging the power plug.</p>  <p>It may cause fire or electric shocks by overheating.</p>	<p>■ Do not use the voltage other than as specified for unit.</p>  <p>220V~ 50Hz</p> <p>It may cause fire or electric shocks by overheating.</p>



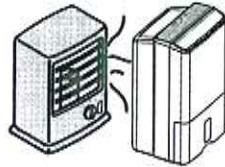
## ⚠ WARNING

- Do not insert fingers or other objects into the air inlet or outlet.



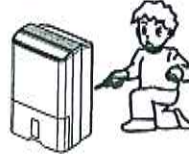
The rotating fan inside the unit could cause injury.

- Do not place the unit near a heater.



Plastic parts may melt and cause fire.

- Never try to repair the unit by yourself.



Fire or electric shock may occur.

- Please consult the purchasing dealership or service station for repairs.

- Switch off and then unplug out the power plug when error occurs (smoke etc.)

- Incorrect On/Off operations.
- Switch electric leakage or fuse burned frequently.
- Power cord or power plug heats up abnormally.
- Burning smell or abnormal noise during operation.
- Water leakage from the unit.
- Other abnormal faulty condition.

It may cause fire or electric shock by overheating.

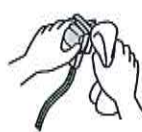
- Please consult the purchasing dealership or service station.

- Do not unplug roughly.



Unplug roughly may damage the power cord, cause electric shock, short circuit fire.

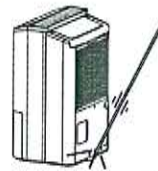
- Periodically clean the dust and dirt on the power plug.



If dust accumulates on the power plug, humidity may cause damage to insulation and may result in fire.

- Unplug the power plug and wipe it with dry cloth. If not using the unit, unplug the power plug.

- Do not stretch the power cord.



It may cause short circuit or broken wires (which may cause fire or electric shock.)

- Do not pull on the power cord when carrying or storing the unit.



It may damage the wires inside the cord, and fire or electric shock may occur.

## ⚠ CAUTION

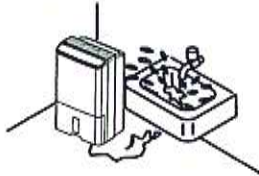
- Monitor indoor temperature during prolonged operation.



During operation, heat from the unit may cause indoor temperature to rise, operating in closed room may cause discomfort.

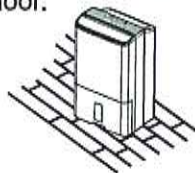
- Pay particular attention if infants or the elderly are present.

- Do not operate in areas where water may be easily splashed onto the unit.



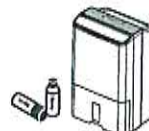
Fire or electric shock may occur

- Place the unit on level and sturdy floor.



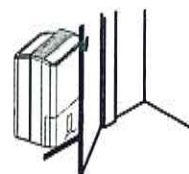
If the unit tilts, water will overflow, and wet the property potentially causing fire or electric shock.

- Do not use unit near flammable gas.



If flammable gases permeate the surrounding space, it may cause fire.

- Do not use in confined spaces such as closets.



If there is insufficient ventilation, overheating and fire may occur.

- Do not use in places exposed to direct sunlight, wind or rain.



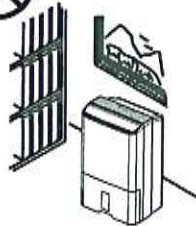
Resulting heat may cause fire or electric shock.

# Safety Precautions

This unit is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experiences and knowledge, unless they have been given supervision or instruction concerning use of the unit by a person responsible for the safety. Children should be supervised to ensure that they do not play with the unit.

## CAUTION

- Do not use in place where there are artworks or academic documents.



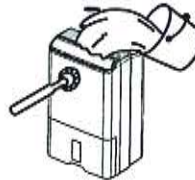
Deterioration of stored articles may occur.

- Do not place flower vases or other water container on top of the unit.



Water may spill into the unit and fire or electric shock may occur.

- Do not wash the Dehumidifier directly with water.



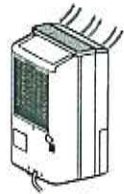
Water leakage may cause electric shock.

- Do not clean your product by spraying insecticides to it or wiping it with benzene or thinner.



Fire, Electric shock, damage to household items caused by water leakage may occur.

- Do not place any heat or flame producing instrument in air outlet of the unit.



Incomplete combustion may cause carbon monoxide poisoning.

- Do not cover the air inlet or air outlet with cloths or towels.



Air circulation will decrease and overheating or fire may occur.

- Do not sit or climb on the unit.



You may fall over, and injury may occur.

- Do not move or transport the unit by holding the louvers.

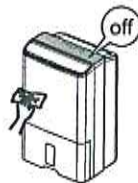


The unit may fall down and injury may occur.

- When moving the Dehumidifier, turn off the unit and empty the water in the water tank.

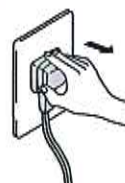


- When the unit is to be cleaned, switch off and unplug.



The high-speed rotation of the fan inside may cause injury.

- If unit will remain unused for a long period, unplug the power plug, for safety.



Accumulation of dust and foreign objects may lead to heat and fire may occur.

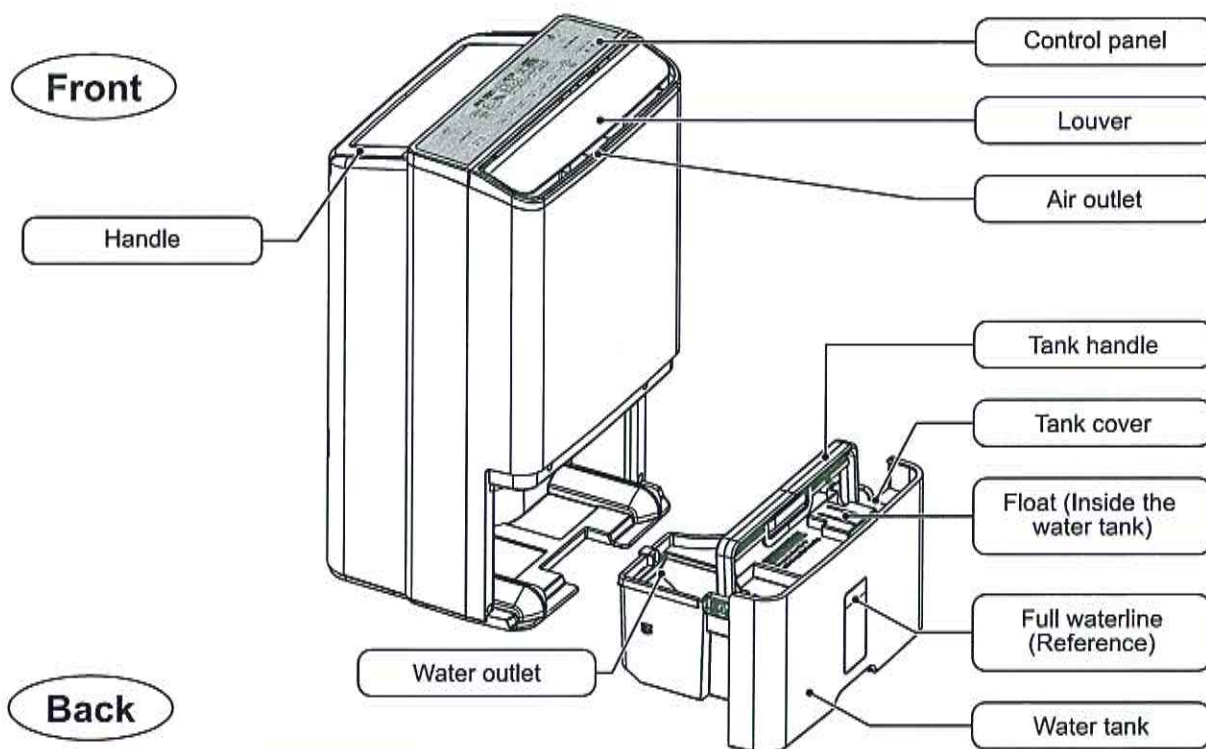
- After prolonged use, perform periodic inspection.



Particularly the air filter and drains should be checked routinely to avoid overheating and leakage, resulting in house fires and items wetted.



# Parts Name

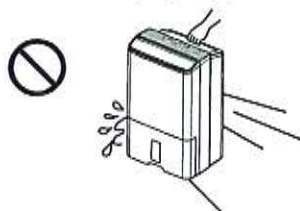


## Note

Caster  
(On the bottom of unit/4 pieces)

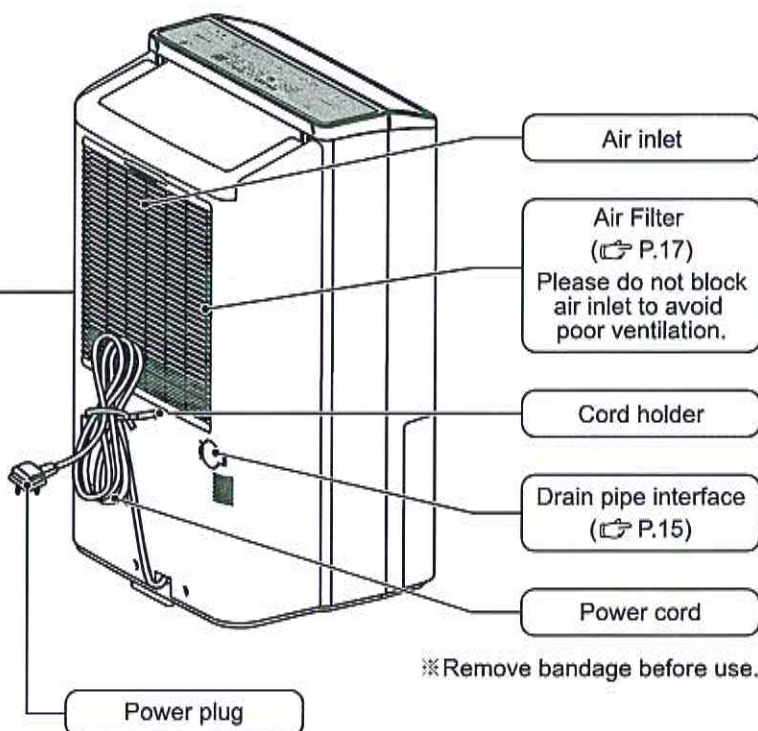
## CAUTION

- Do not move roughly on the carpet, or when tank is filled with water. (May cause the unit to fall or spill water thus dampen the house and property.)



## Where to use

- At least 20 cm distance from the wall. (Walls and furniture near unit, may be stained by electrostatic.)
- At least 1 m distance from any TV, radio (To prevent screen interference, noise)



# Parts Name

## Control panel

The diagram shows the control panel with the following labels:

- Auto stop Indicator (P.10)
- ECO Indicator (P.10)
- Air flow scope key and display area (P.11)
- Air volume key / display area (P.8)
- Function selection key and display area (P.8)
- Laundry display area (P.10)
- Full Tank indicator (P.14)
- Cloth moisture Indicator (P.10)
- Purifying 抑菌・除臭 (nanoe)
- Clean, deodorization key / nanoe indicator (P.13)
- Timer button and indicator (P.14)
- Louver button and indicator (P.11)
- Humidity button and indicator (P.9)
- Cloth drying key (P.10) / display area / key lock (P.19)
- Power off/on button (P.8~P.10)

**LCD indicator**

**Unpowered**

Timer	Auto	Auto
hr	Hi	Mild
Shutdown	Mid	% Cont. Keep Dry
	Lo	Humidity Fan Normal

**Powered (Function Selected)**

Wave	Timer	Auto	Now	Auto
Wide	12 hr	Hi	60%	Mild
Spot	Shutdown	Mid	Humidity	Cont. Keep Dry
		Lo	Fan	Normal

**Water Full Alert**

Timer	Full	Auto	Auto
hr		Hi	Mild
Shutdown		Mid	% Cont. Keep Dry
		Lo	Humidity Fan Normal

The LCD indicator turns orange for 10 seconds then goes off. The water **Full** display and indicator keeps on flashing. If the water full alert is ON, the buzzer beeps for 6 seconds together with the orange indicator.



## Note

### Display of humidity

\* It displays "Hi" if the humidity is higher than 85 % and display "Lo" if the humidity is less than 24 %

Hi %    Lo %

### Check

\* [Rep] When indicator flashes and error code "11" prompts, check the following:

- When unit is tipped over.
  - ① Unplug the power plug.
  - ② Set the unit back upright (wipe away any spilled water).
  - ③ Let the unit stand for half a day or more without using it. (to dry the unit inside completely in case any water has spilled inside)
  - ④ Insert the power plug again and restart the unit.
- Does the unit tilt?
  - Unplug the power plug and then reconnect it.
- Is magnet or metal placed atop the machine?
  - Remove magnet or metal object, Unplug the power and then reconnect it.

\* It indicates unit failure when the [Rep] indicator do not flashing (For example)

Case Rep 01, 02, ..... 11  
+ 02 %    There are eleven fault codes

- Please unplug the power plug immediately, and consult service station to repair the unit.

### Full

\* [Full] When Full Tank indicator is flashing, it indicates that the tank is full of water or not placed in the correct position, all operations will stop automatically if the tank is not emptied or placed back. When the tank is full of water, LCD backlight will be in red for around 10 seconds and then goes off.

### Defrost

\* [Def] When Defrost indicator is flashing, the unit is defrosting.  
→ Only the Power off/ on button works. Other buttons will be disabled.

### Mildew prevention

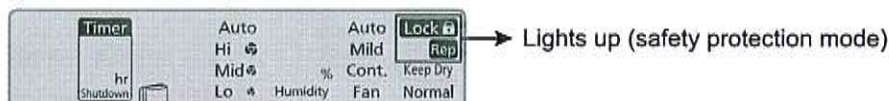
\* **Power off mildew prevention:**  
\* The product may run 3 minutes in fan mode after operation stopped (by manual or timer settings) to dry its internal side for mildew prevention. Press Power off/on key when in this mode to cancel this function.  
\* This function may not get enabled due to compressor operation time.

### Protection

- To prevent you from forgetting to switch off the unit, operation will stop automatically if no button is pressed for 24 hours.
- If room temperature is higher than 32 °C, the air volume will increase automatically in order to protect the unit.
- The unit should be operated within an indoor temperature range of 7~40 °C. Operation out of this range may cause some undesired problem.
- The unit will stop operation when power failure occurs, and return to standby mode after power recovery. To ensure compressor life, do not operate within 3 minutes after switching off the unit.

### Safety protection

- In case there is foreign matter, water, or dust entered your product or you press and hold on or more of its keys for 17 seconds the safety protection mode begins. Its original use status retains. No other key, except the "Power off/on" key, functions in this mode.
  - \* The safety protection mode may run up to 10 hours and then auto power off (or by pressing "Power off/on" key).
  - \* Once "Lock" and "Rep" indicator light up, remove any foreign matter, water, and dirt or your hand from the product to exit this mode.



### Comfort

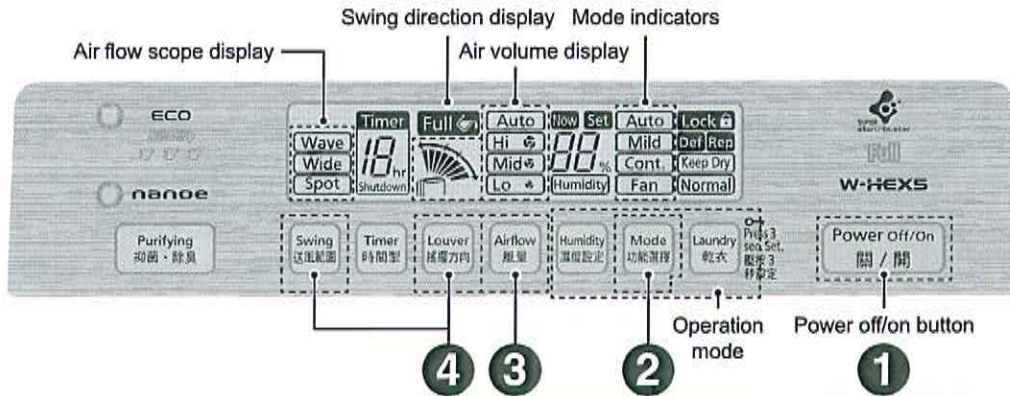
- The dehumidifier is used for daily life, such as the removal of unpleasant humidity and laundry drying. However, if ambient humidity is under 50 %, unit cannot help maintain a comfortable humidity environment.

### Attention

- Avoid leaving any operating dehumidifier unattended.
- Recommend to have a regular inspection on the dehumidifier by a Qualified Person.



# Operation mode / Air volume selection



**1** Insert the power plug  
Turn on the unit



**2** Press to select



**3** Air volume selection

**4** Select the Air direction → P.11



**Auto** To keep humidity at a comfortable level

- Humidity sensor detects the ambient level and keeps indoor humidity at the most suitable level for human body. However, the feeling of humidity varies from person to person; the dehumidifying mode is available for adjusting the humidity if needed.
- The Dehumidifier operates during high ambient humidity, and stops at low ambient humidity.
- Humidity level will be adjusted automatically according to the indoor temperature.

**Mild** Maintain humidity level (approximately 65%)

**Cont.** To force Continuous Dehumidifying (when humidity level cannot be controlled)

**Fan** To clean and restrain bacteria (Refer to: Effectiveness of Filter P.18) (Dehumidifying operation is stopped at this time)

## Air volume selection (Laundry/Mode/Humidity)

(select operation mode P8~P10 before selecting settings)

**To change air volume**

Press to select

**Auto** The best operation air volume in factory default settings

**Hi** For fast drying, dehumidification, and fan operation

**Mid** For economy drying, dehumidification, and fan operation

**Lo** For quiet drying, dehumidification, and fan operation

**To stop operation**



- The product may run 3 minutes in fan mode after operation stopped to dry its internal side. (power off mildew prevention p.7)
- Please unplug the power plug at least 3 minutes after stopping the operation.

**To use timed power off (P.14)**



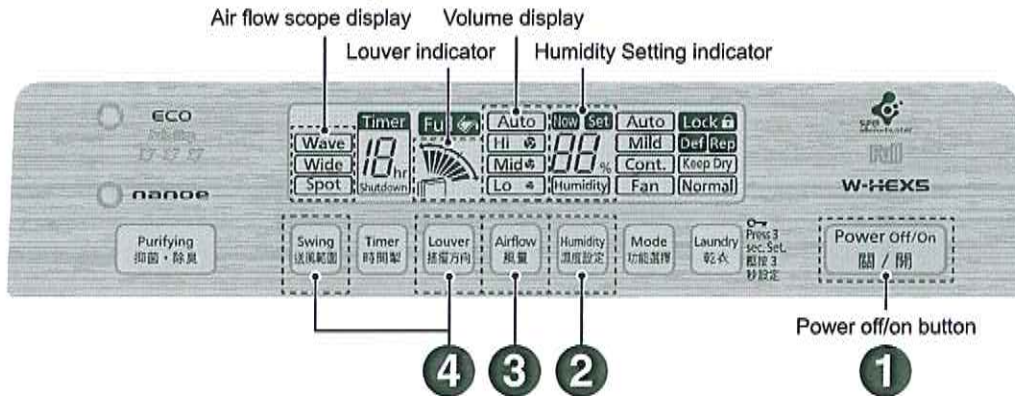
**When Full Tank Indicator is flashing (P.14)**

- Operation will stop → Please empty the tank

**Your product may enter protection mode with air volume and direction in case room temperature goes above 32°C. (system sounds three beeps if you try to press air volume and direction key)**



# To set humidity



- 1 Insert the power plug  
Turn on the unit



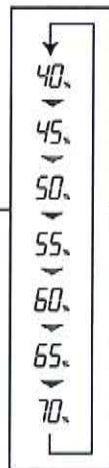
- 2 Press to select



- 3 Air volume selection → (P.8)



- 4 Select the Air direction → (P.11)



Want to set your desired humidity.

- The word "Set" will display for around 5 seconds when you set your desired humidity by pressing the "Humidity" button, then it shows the current humidity and the word "Now".
- to display the current humidity and the term "Now"
- Humidity sensor detects the ambient level and keeps indoor humidity at the set humidity.
- The unit operates during high ambient humidity, and stop at low ambient humidity.

- To change air volume (P.8)



- To use timed power off (P.14)



- To stop operation

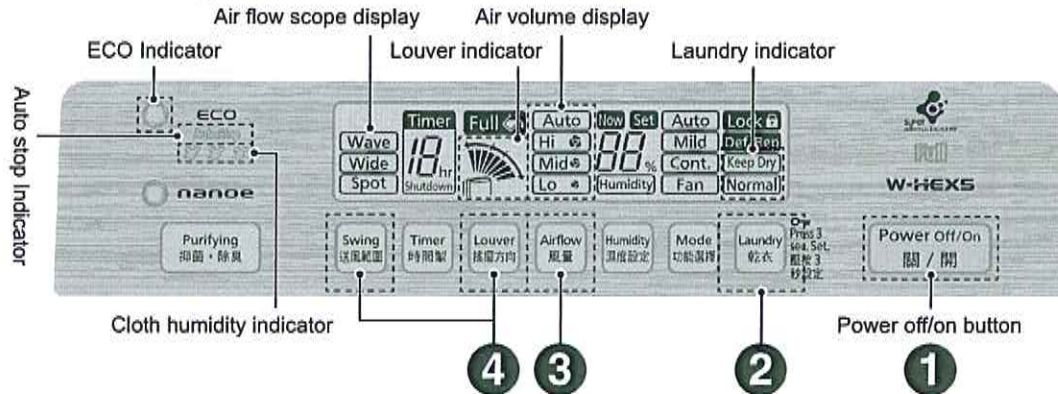


- When Full Tank indicator is flashing (P.14)

- Operation will stop → Please empty the tank

- The product may run 3 minutes in fan mode after operation stopped to dry its internal side. (power off mildew prevention p.7)
- Please unplug the power plug at least 3 minutes after stopping the operation.

# Laundry mode



- 1** Insert the power plug  
Turn on the unit
- 2** Press to select
- 3** Air volume selection
- 4** Select the Air direction

## To stop operation

- The product may run 3 minutes in fan mode after operation stopped to dry its internal side. (power off mildew prevention p.7)
- Please unplug the power plug at least 3 minutes after stopping the operation.

## When using timer (P.14)

- The ECO Indicator, Auto Stop Indicator, Laundry Humidity Indicator will turn off in this mode.

## When Full Tank Indicator is flashing (P.14)

- Operation will stop → Please empty the tank

### ECO

- During operation, the ECO Indicator, Auto Stop Indicator, Laundry Humidity Indicator will be ON simultaneously and OFF after the drying process is completed.
- It can detect the changes of temperature and humidity, so the unit will operate in accordance with the quantity of laundry and the prediction of dry condition.
- For more information → refer to "About Laundry Drying" (P.18)

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- After completion of laundry drying, [Keep Dry] + [Normal] indicators OFF, Humidity Indicator will come on, and continues automatic operation.
- The ECO Indicator and Auto Stop Indicator lights off and Laundry Humidity Indicator lights up in this mode.

### Intelligent dryness monitoring system ( )

- This function is valid for cloth drying.
- It tells drying status of cloths.

Laundry starts

↓

Approximately 1/3 dryness

↓

Approximately 2/3 dryness

↓

Laundry completed (※Keep Drying Operation)

↓

Operation completed

※ After laundry completed, in order to prevent humidity returns to the laundry, please maintain laundry condition.

- Based on type of laundry, quantity, and method of hanging, and room condition, etc, there may be variation of dry conditions.
- If user is not satisfied with the dry condition, [Keep Drying] Function may be chosen as an option.

### nanoe™ indicator

- To refresh cloths with deodorization and sterilization nanoe™ function will be enabled automatically by system in cloth drying mode. The LED indicator lights up and cannot be cleared manually. The system beeps two times if you try to operate the "Purifying" button.



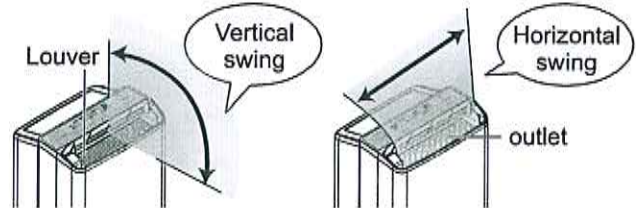
# Air Direction Selection



Please refer to pages below for air direction selection!

P.12

Select operation mode P8~P10 before selecting air direction.

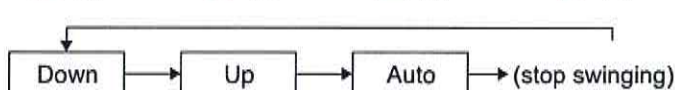
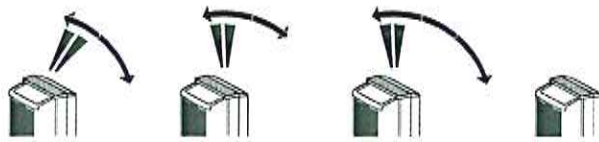


## Operation

The swing can be set to match the height of the place where you would like the air to reach.

### To swing louver

Running



### To fix the louver

Select Auto to enable louver swing. When it reaches the desired location, press the



- The swing direction indicator lights off and the louver stops swinging and starts blowing in one direction.

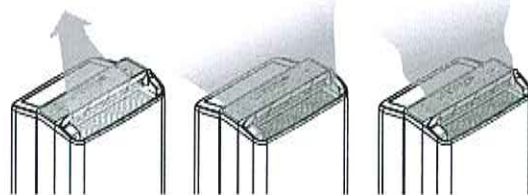
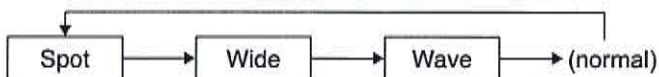
### Note

- Do not move the louver while swinging operation is in progress. (The swing range will change.)

Vertical swing

The swing can be set to match the width of the place where you would like the air to reach.

Running



- Focus air in one direction
- Send air in wide range from left to right
- Send air in center as well as left hand and right hand side

- If you do not select a horizontal swing setting, the dry air outlet will expel air along its entire width.

Horizontal swing

## Air direction setting example

### Tips for drying effectively

- ① Place the dehumidifier at a place that all clothes can be reached evenly.
- ② Leave space between each item of clothing so that air can circulate freely.
- ③ Leave a distance of 40 cm or more between the dehumidifier and the clothes, depending on the amount of clothes.

<b>Cloth drying</b>	Dry cloths at lower part	Swing direction <b>Down</b> Air range <b>Wide</b> *1	
	Dry cloths at upper part	Swing direction <b>Up</b> Air range <b>Wide</b> *1	
	Dry cloths at both upper and lower part	Swing direction <b>Auto</b> Air range <b>Wide</b> *1	
	Dry cloths of small quantity	Swing direction <b>Auto</b> *2 Air range <b>Spot</b>	
<b>Dehumidification</b>	Wardrobe and shoe cabin, etc.	Swing direction <b>Auto</b> *2 Air range <b>Wide</b>	<p>● Leather items such as shoes can not be dried with a dehumidifier. (They will become warped or damaged.)</p>
	Ceilings and walls, etc.	Swing direction <b>Up</b> Air range <b>Wide</b>	

\* 1: If there are items which are difficult to be dried, placing in between other items, use the "Wave" setting to make drying more effective.

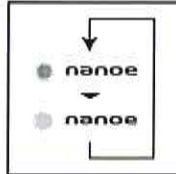
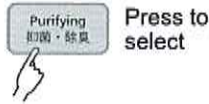
\* 2: Choose either "Up" or "Down" depending on how high the clothes are hanging and how high the closet is.



# nanoe™ bacteriostasis and deodorization

## nanoe™ (Laundry/Mode/Humidity)

### ■ To clean and deodorize during operation



### ■ During "cloth drying"

To refresh cloths, with deodorization and sterilization nanoe™ function will be enabled automatically. The LED indicator lights up and cannot be cleared manually. The system beeps if you try to operate the "Purifying" button. If sound set OFF, there is no beep.

### ■ In "Mode" and "Humidity"

The nanoe™ function may be switched on/off as desired.

## About nanoe™

### Environment conditions for generation

- The nanoe™ is generated from indoor air which may fail to run successfully due to various temperature and humidity conditions.
- Generation conditions  
Indoor temperature: 5°C~35°C with dew temperature above 2°C.  
Relative humidity: 30%~85%

### Little amount of ozone

- The generation of nanoe™ ion may be accompanied with little amount of ozone. It's far less than ozone level existing in natural forest and bears virtually no impact on human body.
- In case of odor of ozone, disable the "cleaning and deodorization" function.

### ■ nanoe™

nanoe™ nano water ion (nanoe™ ion hereafter) is a charged clean water ion by separating water molecules with high voltage. The nanoe™ ion technology features sterilization\*※1, allergens inhibition※2, fungi elimination※3 and deodorization※4 for skin healthy space.

★ Floating fungi: Results after 4 hours test in 25 cubic meter closed space instead of practical outcome in daily life environment.

★ Adhering fungi: Results after 8 hours test in 23 cubic meter closed space instead of practical outcome in daily life environment.

Deodorization effects vary with ambient environment (temperature, humidity), operation hours, deodorization, type of fabrics.

- Standalone test and practical use effectiveness may differ from each other due to conditions and use method.
- This device is not a medical equipment.

#### ※1 <Floating fungi>

- Experimental organization: Foundation Kitasato Environmental Science Center
- Experimental methods: Placed in test room of 25 cubic meter and count bacteria collected
- Sterilization method: Releasing nano water ion
- Subjects: Floating fungi
- Results: More than 99% floating fungi killed after 4 hours "BSHF 24\_0301\_1"

#### <Adhering fungi>

- Experimental organization: Foundation Kitasato Environmental Science Center
- Experimental methods: Count bacteria adhere to standard cloths in 23 cubic meter room
- Sterilization method: Releasing nano water ion
- Subjects: Bacteria adhere to standard cloths
- Results: More than 99.9% bacteria adhere to standard cloths killed after 8 hours "No. 13044083003-01"

#### ※2 ● Experimental organization: Matsushita Electric Works Analysis Center (Corporation)

- Experimental methods: Placed in test room of 23 cubic meter and test by ELISA method
- Removal method: Releasing nano water ion
- Subjects: Pollen (cedar)
- Results: More than 88% allergic substance inhibited in 8 hours "BAA33-130402-F01"

#### ※3 ● Experimental organization: The Japan Food Research Laboratories

- Experimental methods: Measuring changes in fungi in test room of 23 cubic meter
- Sterilization method: Releasing nano water ion
- Subjects: planktonic fungi
- Results: Positive effects in 8 hours "No. 13044083002-01"

#### ※4 ● Experimental organization: Matsushita Electric Works Analysis Center (Corporation)


- Experimental methods: Verify with 6-grade odor intensity table in test room of 23 cubic meter
- Deodorization method: Releasing nano water ion
- Subjects: Adhering cigarette odor
- Results: Odor intensity dropped to grade 1.2 in 2 hours "BAA33-130125-D01".

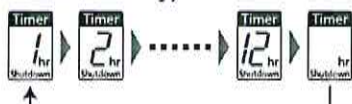
Note: The nanoe™ and nanoe™ logo is trademark of Matsushita Electric Industrial Co., Ltd.



# Timer / Handling of louver falling off / Handling of full water tank

## To use timer for power off

- Press  button during operation to set up desired auto power off time. Press this key to cycle through from 1 to 12 hours (press and hold it to cycle automatically).



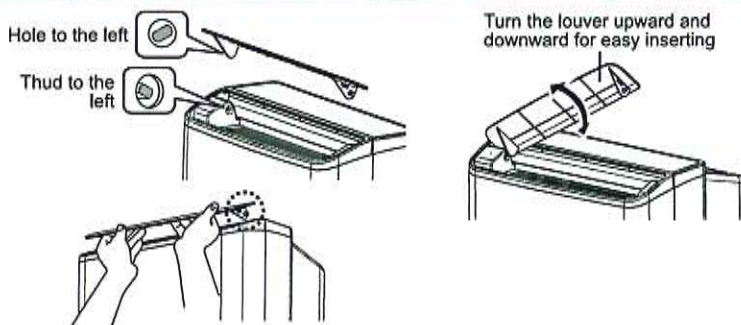
- The timer displays remaining time once it is set. Take example. For timer set to 9 hours and with 8 hours to go, it displays 8 hours.
- The timer keeps count down once it is set even after the water tank is full and operation aborted.
- Set timer in cloth drying mode will prevent ECO indicator, auto stop indicator, and cloth humidity indicator from lighting up.

## Handling of louver falling off


### Louver fall off

#### Installation of louver

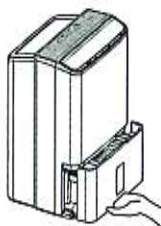
- 1 Point and insert holes to the left to thud at left side of your product
- 2 The louver is flat and slightly bent at its center part.
- 3 Insert right hand side of it to machine body.



## Handling of full water tank

- The product stops operation automatically when water in tanks reaches the full level (about 5.2 liter). The LCD indicator turns orange for 10 seconds then goes off. The water  display and indicator keeps on flashing. (If the water full alert is ON (P18), the buzzer beeps for 5 seconds together with the orange indicator.)
- Please empty water tank as described below

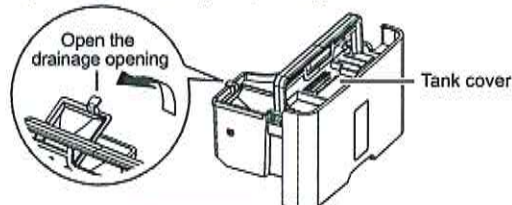
- 1 Hold the machine body steady with one hand and gently remove water tank out of it with another hand
  - Without hitting each other (cause to failure)



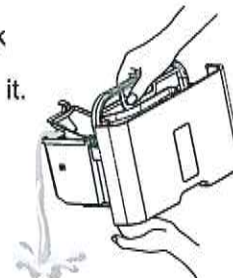
- 2 Move water tank handle to drainage position



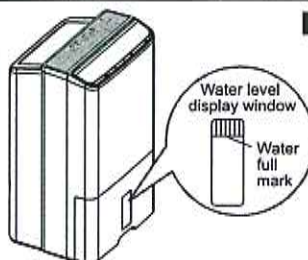
- 3 Pull up the water tank cover to open the drainage opening.



- 4 Hold water tank handle and its bottom to drain it.



When  is flashing...



#### Water tank installation

Close the drainage opening, insert water tank into place

- Close both water tank cover and drainage opening for installation (or the water tank may fail to install into place and may lead to water leak)
- Push water tank into place. In case of damaged poorly installed water tank the water full indicator may fail to flash and system operation may fail to start. Please remove the water tank and install again.



# How to drain continuously

- You may connect a hose to this product for continuous drainage if applicable (call your service center or dealer for continuous drainage installation or removal)

## CAUTION

- Secure drainage hose firmly.



Keep drainage hose from bending and elevation difference for good drainage. Poor drainage may lead to water leak and wet floor.

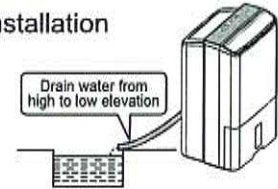
- Keep temperature around drainage hose above zero Celsius



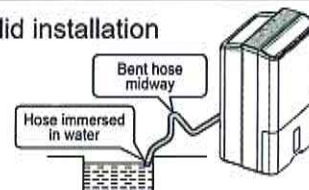
Or water in drainage hose may get frozen. This may block the hose from drainage and lead to water leak and wet floor.

## Drainage hose installation

### Valid installation



### Invalid installation



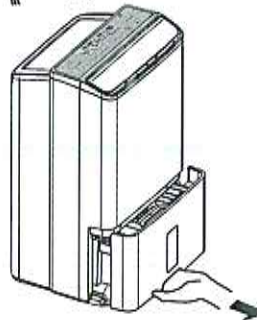
## Required accessories

- Plastic water hose  
Length: 30cm longer than distance from dehumidifier to drainage opening  
Inner diameter: 15mm

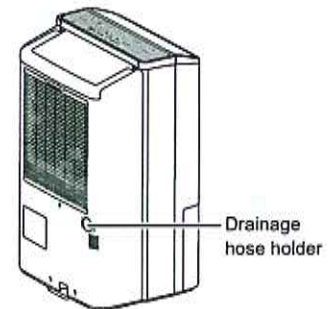
### Note

Temperature difference in between water in drainage hose and environment may lead to water condensed on surface of drainage hose. Take insulation measures if necessary.

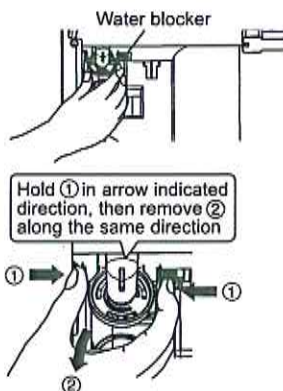
## 1 Remove power plug and water tank



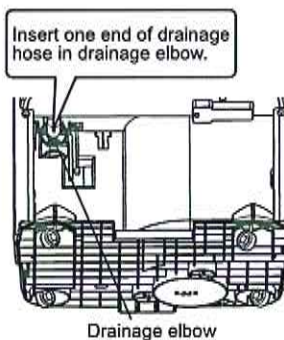
## 2 Open up drainage hose holder (turn it 90 degree outward instead of removing it)



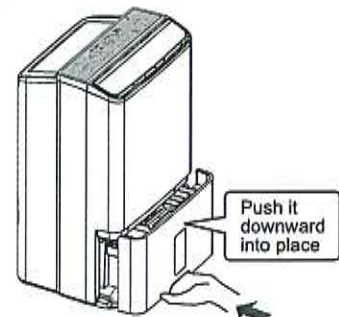
## 3 Remove water blocker



## 4 Install drainage hose



## 5 Install water tank



- Invalid installation may lead to operation failure

Note: Please call your service center or dealer to un-install it as invalid installation may lead to water leak out of water tank.

# Maintenance



Empty the water tank before doing any maintenance work!

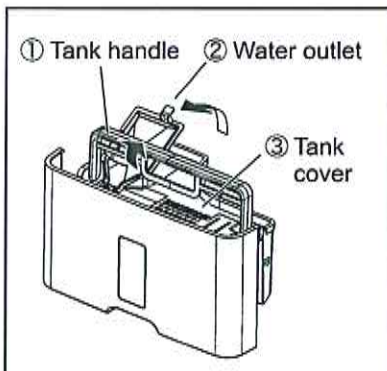
- Cleaning agents such as those shown at left should not be used.
- If using a chemically-treated cloth, be sure to read the instructions of the cloth.



- Please disconnect the power plug and empty the tank. (see P.14 for how to empty the tank)

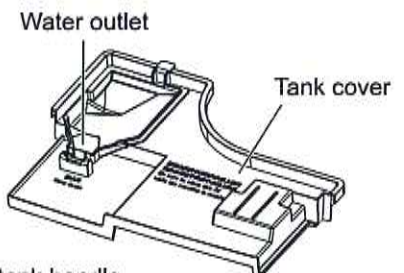
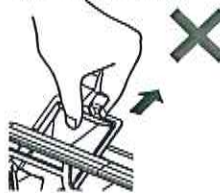
## Water tank: Once per month

- Wash water tank and tank cover with clean water 2-3 times.
- You don't need to remove the float, just clean it with water.

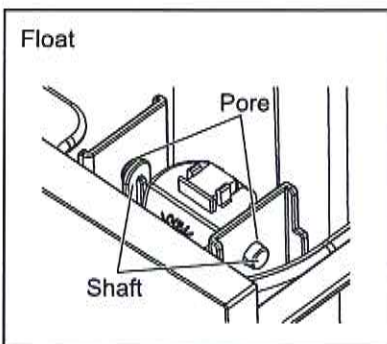


- To remove the tank cover
  - ① Turn water tank handle up
  - ② Open the water outlet
  - ③ Pull water tank cover upward

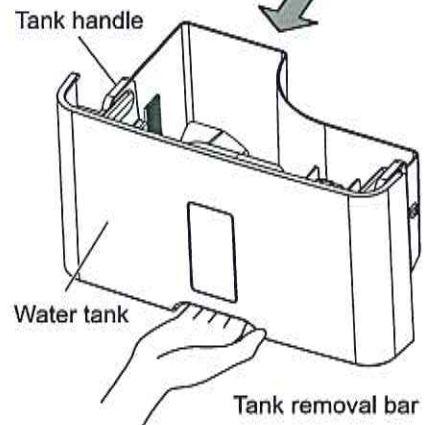
- Do not strongly pull on the water outlet.



(turn tank handle upward before removing or replacing it)



- Float
  - Clean dirt around shaft with water (to prevent float from malfunctions)
  - DO NOT remove float (invalid installation of it may lead to operation failure and water leak) → Insert both axis in hole as illustrated in figure to the left when float falls off.

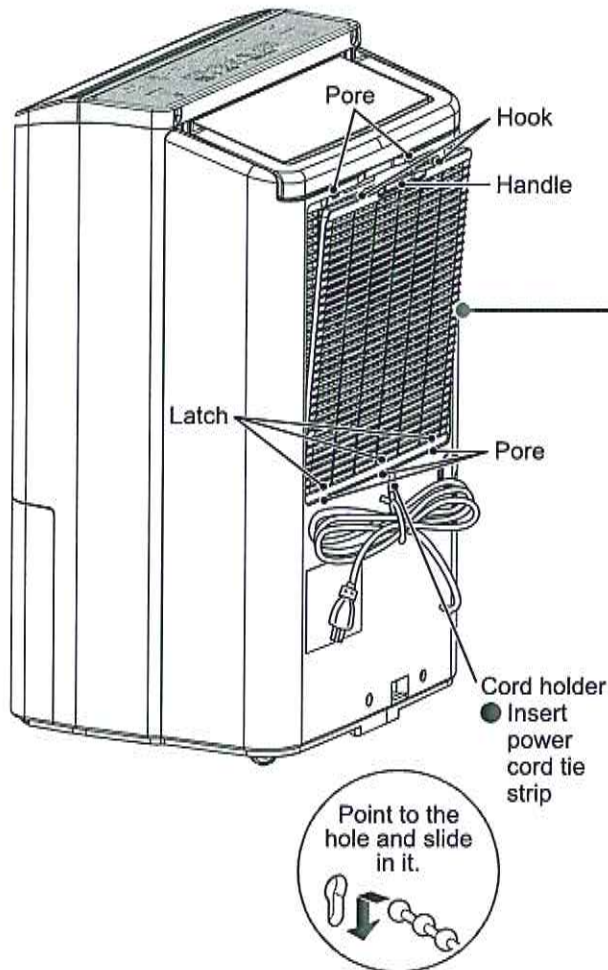


- Remove sticky dirt with thinned neutral detergent
- Inner wall of tank may get black (due to dirt in air which dissolved in water)



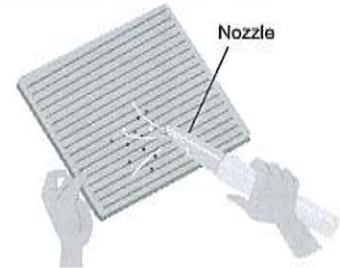
■ Wipe machine body with wrung out wet cloth before wiping with dry cloth again.

- DO NOT leave the body widthwise (this may lead to water leak)
- Remove sticky dirt with thinned neutral detergent

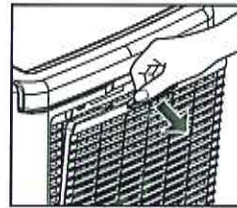


### Filter (clean it biweekly)

Remove dirt with vacuum cleaner

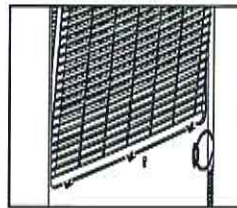


■ How to remove it

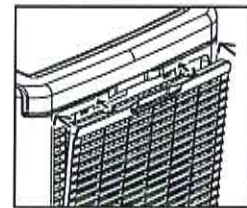


- Pull the handle forward

■ How to install



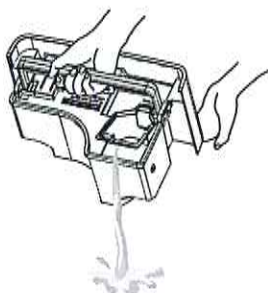
- ① Insert the three lower latches in pores in the body



- ② Press two hooks at upper part into body

- Replace in case of any damage.
- Regular maintenance (dehumidification capacity may drop, power bill may rise, and more failures may follow due to dirt and clogged filter)

### For machine not to use for long time



- ① Select function Fan and set it to run for 4 hours and power off automatically afterwards.
- ② Remove power plug, leave it for one day, empty the water tank afterwards (p.14).
- ③ Clean body, water tank, and filter.
- ④ Cover body with plastic bag.
- ⑤ Store dehumidifier in place of low humidity, good ventilation, and flat surface. (leave it tilted may lead to failure and water leak)

## About Laundry mode

### About ECO

Select Normal along with Air (Auto, Hi, Mid, or Lo) to start the drying operation. The ECO indicator, auto stop indicator, and cloth humidity indicator light up during drying and off afterwards. (p.10)

Detect changes in temperature, humidity; run and auto stop operation according to amount of cloths and estimated drying status.

- Reference operation hours before auto stop.

Model No.	GCM33H		
Volume of cloths	Drying operation hours		
	Auto /Mid	Hi	Lo
2-4 kg roughly	3.7~5.2	3.4~5.0	4.2~6.1
4-6 kg roughly	5.4~7.4	5.2~7.2	6.1~8.0

Test conditions: Temperature at 20°C; humidity at 80%, room size at 20 square meters (results as tested by this company)

- Actual operation time, power consumption, dehumidification level may vary with conditions of environment, type, amount, hanging pattern of cloths, room size.
- To dry cloths with dehumidifier it's better to do it in space small and well closed for less energy waste. Operation stops after about 10 hours.

## Effectiveness of Filter

The filter contains super alleru-buster and antimicrobial agents to help inhibit allergens, bacteria and fungi activity.

### Super alleru-buster

Inhibit growth of allergens (e.g. pollen and dust) trapped in filter

Test Institution: Osaka Municipal Technical Research Institute

Test Method: Using enzyme immunoassays measurement methods for reduction of fine allergens material

Test Results: Allergen activity inhibited

### Antibacterial

May inhibit bacteria \*3 and fungi \*4 caught in filter.

\*3 Test Institution: (fiscal) Japan Food Analysis Center.

Test Method: Use standard agar and agar plate culture method.

Test Results: Inhibit more than 99% bacteria.

\*4 Test Institution: (fiscal) Japan Food Analysis Center.

Test Method: The anti-fungal test method (halo test method).

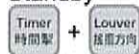
Test Results: Effective fungi resistance under the halo test method.

- Filter may end up with peculiar odor of "Family health green tea extract". This is normal and bears no harm to human body.
- The filter changes light brown afterwards. Frequently used filter may end up with brown spots. This is normal and does not hamper its performance.

## Sound settings

- You can change sound settings only in standby mode
- Factory default: Key sound ON, water full sound OFF
- With memory
- Key sound setting:

Standby



Press and hold both buttons for 3 seconds.

The 1 and 0 indicator alternate flash in 2 seconds interval. Remove your hand when the one you need is flashing to finish the setup operation.

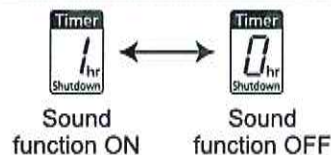
- Water full sound setting:

Standby







Press and hold both buttons for 3 seconds.

The 1 and 0 indicator alternate flash in 2 seconds interval. Remove your hand when the one you need is flashing to finish the setup operation.



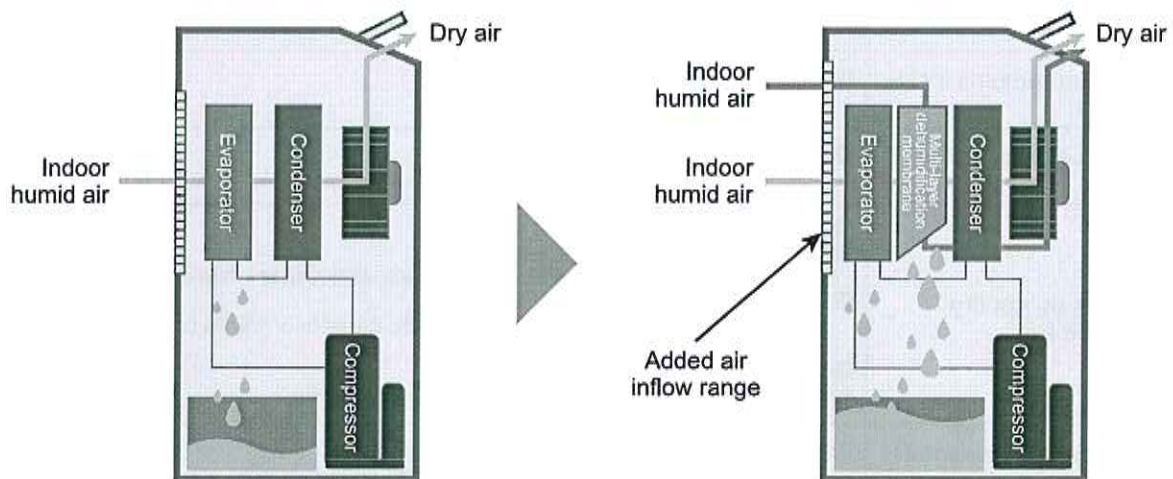


## Key Lock setting

- **Key Lock on**  
During standby or operation, please press  button for 3 seconds to activate the Key Lock.  
When the LCD **Lock**  lights up, all functions are not available.  
(The backlight will light up by pressing any button when locked)
- **Key Lock off**  
During standby or operation, please press  button for 3 seconds to unlock.  
When the LCD **Lock**  goes off. All functions are available.  
★ Key Lock will be automatically released when power failure occurs. The Key Lock must be re-set.  
★ When the tank is full, Key Lock cannot be canceled by pressing the button if the tank is not emptied.

## W-HEXS, the more energy saving dual dehumidification system

Differing from conventional dehumidification system's single air flow direction the W-HEXS comes with multi-layer dehumidification membranes. This not only expands air inlet direction but also improves power efficiency of dehumidification.



Conventional  
dehumidification system

Dehumidification by condenser and evaporator along with compressor

W-HEXS dual  
dehumidification system

Multi-layer dehumidification membrane plus conventional dehumidification system

# Fault!?

Please check the following first.

If the problem persists after taken all these steps, disconnect power plug and call your dealer or service center.

Error	Please ensure its contents
① Buttons do not operate.	<ul style="list-style-type: none"> <li>● Is the Full tank indicator is flashing (P.14), or is Repair indicator flashing? (P.7), Key lock Set? (P.19), Does the Defrost indicator is flashing? (P.7)</li> </ul>
② The Full Tank indicator is flashing even though the tank is not full.	<ul style="list-style-type: none"> <li>● Are the tank and float correctly installed inside the unit? (P.14, P.16)</li> <li>● Was the tank banged against the unit during insertion? (P.14) → Remove the tank and then reinstall it gently.</li> </ul>
③ Water is leaking.	<ul style="list-style-type: none"> <li>● Has the unit been tilted or knocked over?</li> <li>● Was the unit moved while there was still water in the tank? (P.4)</li> <li>● Has the float come off? (P.16)</li> </ul>
④ The tank does not fill up with water. (The unit is not dehumidifying very well.)	<ul style="list-style-type: none"> <li>● Is the filter clogged (P.17), or is something blocking the air inlet or air outlet? (P.4)</li> <li>● Are the room temperature and humidity low? (The unit dehumidifies less as the room temperature and humidity become lower.)</li> <li>● Is the unit set to operate in "Auto" or "Mild" mode? (P.8)</li> <li>● If the temperature is outside the range of 7 °C ~ 40 °C, dehumidifier operation will stop and become blower operation. (P.7)</li> </ul>
⑤ No water remains inside the unit.	<ul style="list-style-type: none"> <li>● Is the Fan mode set? → Fan mode will not retain water.</li> </ul>
⑥ It takes a long time to dry clothes.	<ul style="list-style-type: none"> <li>● Is wet, cold air entering the room? → Keep doors and windows closed as much as possible while drying clothes.</li> </ul>
⑦ Clothes do not dry completely.	<ul style="list-style-type: none"> <li>● Did prior clothes drying cycle complete?</li> <li>● Is wet, cold air entering the room? → Avoid open doors and windows as much as possible while drying clothes.</li> <li>● Is there a heater in use near the unit? (If the surrounding temperature is too high, the sensor will be unable to accurately judge the drying time.)</li> <li>● Is the air blowing onto the all clothes?</li> <li>● Are the clothes hung too closely together or in layers?</li> </ul>
⑧ The humidity does not go down.	<ul style="list-style-type: none"> <li>● Is wet, cold air entering the room? → Avoid opening doors and windows while drying clothes.</li> </ul>
⑨ Condensation forms all the time, even during dehumidifying.	<ul style="list-style-type: none"> <li>● It may not be possible for dehumidifying to be fully effective if you place the dehumidifier in some places such as near windows, or behind furniture where air circulation is poor.</li> </ul>
⑩ The Check indicator flashes with error code [11] displays.	<ul style="list-style-type: none"> <li>● Is machine body tilting? → 1. Disconnect the plug, lift machine body up straight and wipe waters leaked 2. leave the machine idle for more than half a day (to dry the unit inside completely in case any water has spilled inside) 3. connect the plug, run dehumidification again</li> <li>● Is machine body tilted too much? → Unplug the power plug and then reconnect it.</li> <li>● Is magnet or metal placed atop the machine? (P.7)</li> </ul>
⑪ Mal-action	<ul style="list-style-type: none"> <li>● Is the control panel contaminated with foreign matter, droplet, or dust? (P.7)</li> </ul>
⑫ There is hiss, squeak, or water flow sound heard	<ul style="list-style-type: none"> <li>● This is the sound of refrigerant flowing within dehumidifier or nano-ion generation and is not a failure.</li> </ul>

In case of the following, disconnect the power plug and call service center or dealer

Error	Please ensure its contents
⑬ The "Check" indicator lights (without flashing) and prompts error code (P.7 check)	<ul style="list-style-type: none"> <li>● Machine failure, please note down the error code and call service center or dealer.</li> </ul>



# Please contact dealer or service center immediately (Emergency Handling Procedure)

In case of the following situations, remove power cord and call your dealer or service center immediately.

- Poor switch operation.
- Leak switch or fuse cutout frequently.
- Power cord and plug over heated.
- Odor or noise during operation.
- Water leaks from host.
- Other error or failure.

## **WARNING**

Please have your power cord replaced by equipment manufacturer, service center, or qualified technician for your own safety.

## Specifications

Model No.		GCM33H	
Power supply		220 V~ 50 Hz	
Power plug shape		□	
Operating condition	Temperature	26.7 °C	30 °C
	Relative humidity	60 %	80 %
Dehumidification capacity(L/Day)		18	33
Power consumption (W)		268	320
Water tank capacity (L)		The unit automatically stops at around 5.2 litres	
Weight (kg)		18	
Dimensions (WxHxD) (mm)		370X614X298	

- Power consumption by dehumidifier at standby mode: 0.8W. (with power plug connected)

## Customer's record

For model name and production number of this product, please refer to the back side of machine.  
Please record them in the space provided and keep for future reference.

MODEL NO.	SERIAL NO.
DATE OF PURCHASE	DEALER'S NAME
DEALER'S ADDRESS	
TELEPHONE NUMBER	

### KDK Company, Division of PES

Head office : 4017, Takaki-cho, Kasugai, Aichi, Japan

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