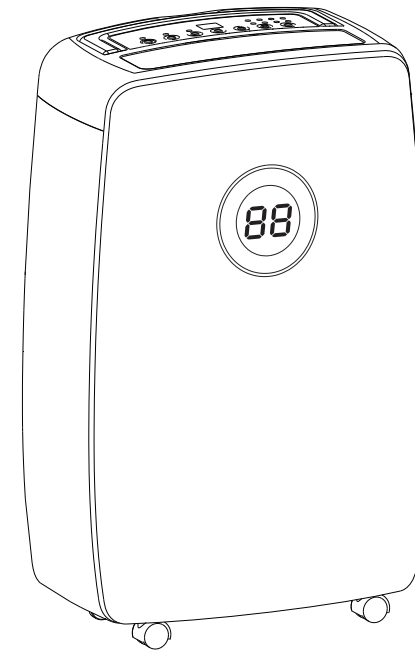


# KANEDA

## KD-202




**Dehumidifier**

Instruction Manual






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 Thank you very much for purchasing our Dehumidifier.  
 Please read this manual instruction carefully before  
 operating your dehumidifier.  
 This manual contains further important instructions for  
 proper operation. Please save it for your further  
 reference.

## Precautions

For first time use, please wait for 8 hours before connecting it to a power socket.  
 Please also read "Precautions" carefully before operating your dehumidifier.  
 The warnings and the cautions stated in "Precautions" must be observed for safe operation

-  Warning means improper handling may result in a death or a serious injury to a person.
-  Cautions means improper handling may result in an injury or damage to properties.
-  Shows Prohibition
-  Shows Compulsion
-  Shows Caution

## Warnings

- In case of any abnormality, be sure to turn off the dehumidifier, disconnect the plug and make contact to the seller of your appliance.  
(Abnormal operation may result in a failure of the unit, electric shock, fire, or the like.)
- Never attempt to turn off the dehumidifier by disconnecting the plug.
- Never modify the dehumidifier. Do not attempt to disassemble or service the unit by yourself.
- Keep your hands dry while plugging into or pulling off the plug to avoid electric shock.
- Ac220 volt current is applied to this equipment.
- Remove any dust from the blades of the power plug and insert the plug into an outlet securely.
- To avoid the risk of fire or explosion, do not spray to the dehumidifier. Do not put any inflammables or chemicals near the unit.
- To prevent resin parts from melting or catching on fire, do not place the dehumidifier near heating appliances.
- Do not connect the dehumidifier to an outlet having the electrical ratings below the dehumidifier's.



- The power cord must not be damaged or modified. Do not put any hot or heavy thing on the cord. Do not pull it out, or bundle it during operation.



Prohibit

- To avoid damages to the power cord, do not pinch the cord in a door.



Prohibit

- Never put rods or objects into the openings of the dehumidifier. Because this unit contains a fan running at high speed, contact with the moving fan will cause serious injury.



Prohibit

- Dispose water that has been collected in the tank.  
(Accidentally drinking of the water or using it for other purpose may cause illness and / or unforeseen accidents.)



Throw away

Risk of electric shock disconnect power before servicing unit by factory, servicing agent or authorized person. Do not attempt to repair it by yourself.



Warning

- "The appliance shall be installed in accordance with national wiring regulations"
- "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."
- "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."
- "Children should be supervised to ensure that they do not play with the appliance."



Warning

## Cautions

- The dehumidifier must be used on a level and stable surface.
- To prevent freezing, do not use the dehumidifier at ambient temperature below 0°C
- Do not use the dehumidifier outside. Exposure to direct sunlight or rain may result in overheating, electric shock and fire.
- Do not put water vase on the dehumidifier  
(In case of any spill of water, the water gets into the unit and deteriorates the insulation, it may cause overheating, electric shock or a fire.)
- Never attempt to use the dehumidifier for special uses, such as food or preservation of art objects, or the like. The deterioration of preserving quality may be caused.
- Do not use the dehumidifier where any leakage of oil or flammable gas may take place.



Use in flat ground



Prohibit



Prohibit



Prohibit



Prohibit



Prohibit

- Do not use the unit in places storing chemicals.



Prohibit

- Be careful that any heating appliance is not exposed to the wind from the dehumidifier.



Prohibit

- Do not use the dehumidifier as a chair or a footstool.



Prohibit

- For safety purpose, disconnect the power plug if the unit is not use for a long time.



- Be sure to firmly hold of the power plug when plugging in and out of an outlet.



- In case of using the dehumidifier in a closet, be sure to prevent children from getting in the closet.



Prohibit

- Do not remove the float lever from the water tank.



Prohibit

- Do not block up the air intakes and the air outlets. Do not cover the unit with washed clothes.



Prohibit

- Prior to continuous operation for a long duration, periodical checking is required especially for the air clean filter, the drain hose, or the like.  
(And make sure that the drain hose is set properly without a rising slope.)



Schedule check out

- Turn off the unit and disconnect the power plug before starting any cleaning or other routine maintenance.



- To avoid the risk or electric shock, never sprinkle or spill water on the dehumidifier when cleaning.



Prohibit

- Turn off the unit and empty the water tank when moving the unit. Be sure to hold the handle when moving.



Shut off operation and drain water when moving

## Operation and Performance

### Defrosting operation

If operated this dehumidifier at room temperature less than 23°C frost will appear in the evaporator. The defrosting function will auto operate (5-10 minutes) at the interval of every 30 minutes or more.

- The dehumidifying function stop during the defrosting operation.
- Do not disconnect the plug of the unit or turn off the unit during the defrosting operation.

This dehumidifier is not suitable for keeping the humidity very low ( approx. 30%)

This dehumidifier is designed to remove uncomfortable humidity in daily life and used for auxiliary drying of washed clothes indoors. This is not suitable for keeping the humidity very low.

### Room temperature rises during the operation

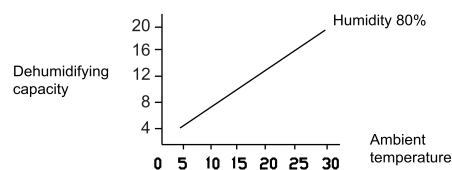
This dehumidifier does not have cooling function. It produces heat during the operation and room temperature rises by 1°C to 4°C. The temperature gets higher while it is operated in a closet, or the like. Furthermore, room temperature rises because doors and windows are closed and heat is produced from other appliance in the room and the sun radiation.

### Capacity of dehumidifying

The below chart show dehumidifying capacity each day, which is on based of ambient temperature 30°C, relative humidity 80%, with air outlet fully open. The capacity of dehumidifying will be different based on different temperature & relative humidity.

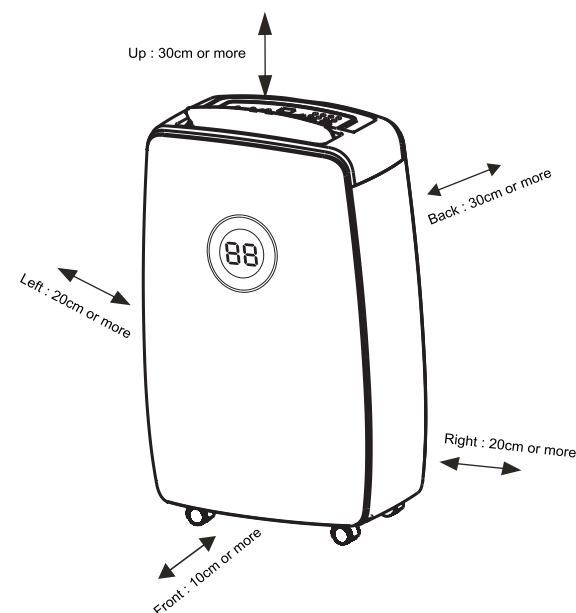
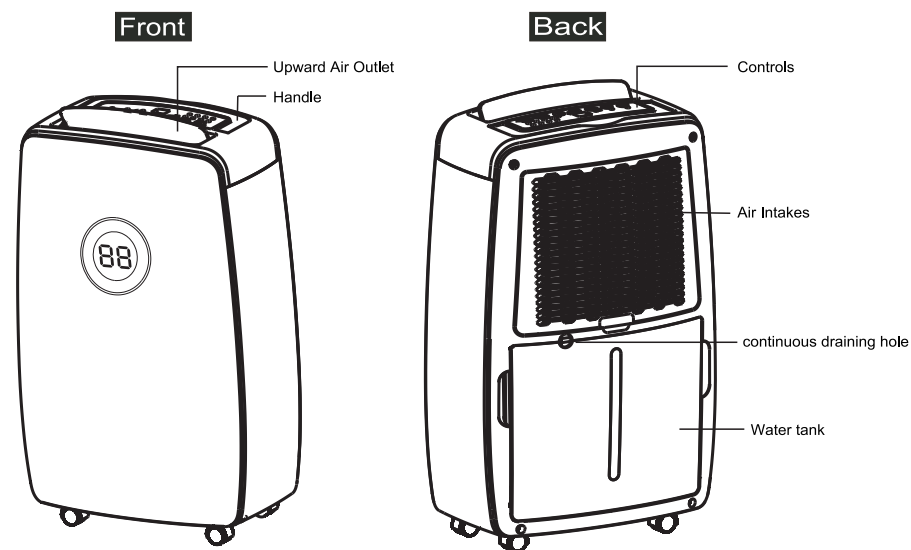
If ambient temperature keeps the same, the capacity of dehumidifying is higher when relative humidity is high and vice versa. If relative humidity keeps the same, the capacity of dehumidifying is higher when ambient temperature is high and vice versa.

If the dehumidifier is placed in a closet, within a short period of time after it operates, the capacity of dehumidifying drops rapidly, because the humidity in the closet had already dropped tremendously.



- When ambient humidity < 50% , indicator light turns orange.
- When ambient humidity ≤ 70% , indicator light turns green.
- When ambient humidity > 70% , indicator light turns red.

## Parts Names and Functions

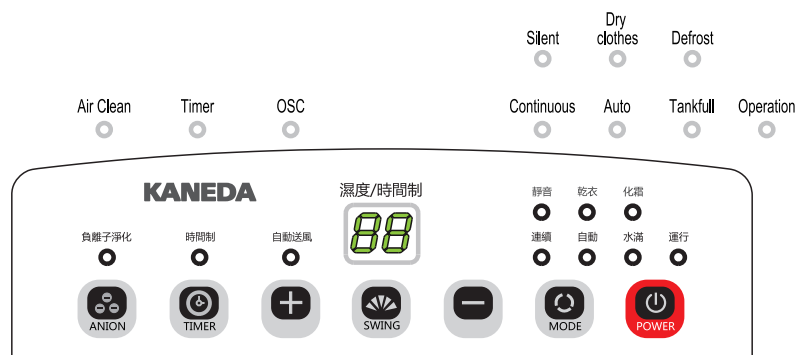


### Installation

For efficient operation of the dehumidifier, spacing are required as shown below.



## Controls



## Operation guide :

### ◆ How to operate

1. Plug in the dehumidifier to an outlet.
2. Press power switch "⏻", operation indicator light on.

### ◆ How to stop operation

Press power switch "⏻" during operation, it will cut off power stop operation and all indicator lights goes off.  
 (Warning : Don't disconnecting the plug when operation. Be sure turn off the dehumidifier and then disconnect the plug, avoid damage electrical components and cut down life of products)

### ◆ Mode function :

Press mode switch to select the modes of operation, the switching sequence is :



Remark : First times system default selection is "Automatic", system will memory the last working mode when power off normally, and will continue to work as the last working mode.

### Silent mode :

On this mode, wind speed is low and humidity is adjustable.

### Dry clothes mode :

On this mode, wind speed is high for dehumidifying strongly and humidity is not adjustable.

### Continuous mode :

On this mode, dehumidity can be adjusted between 35%-80%-CO, the dehumidity will operated continuously. (whilst ambient humidity  $\geq$  35% it works , whilst ambient humidity  $\leq$  35%, it stop working.

### Automatic mode :

On this mode, humidity auto setting at 55%, wind speed will auto-change as per ambient humidity (ambient  $\geq$  70% is high, ambient humidity  $\leq$  55% is low), humidity is not adjustable.

### ◆ Frosting Indicator :

The indicator light is on when defrosting operate, the compressor will stop working and fan is still working.

### ◆ Tank full Indicator :

When tank is full of water, the indicator light flashes and buzzer sounds, it can be work normal after empty the water of tank.

### ◆ Air clean function :

Press "Air clean" switch during operation, the anion will open and indicator lights on.

### ◆ Timer function :

Press "Timer" switch to program time and the indicator lights on, adjust by "+ -" switch to set the time (0-24 hours). Press again will indicate the remaining time.

### ◆ Humidity setting function :

Under Silent mode , Press "+ -" switch for setting humidity, it can be adjusted from 30%-80%-CO (5% each time)

### ◆ Swing function :

Press "OSC" switch to adjust flap upward, the indicator lights on. Press again to close.

### ◆ Child Lock :

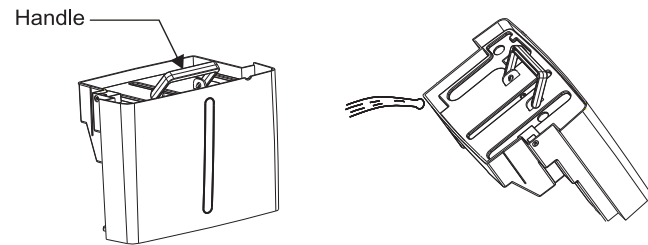
While the dehumidifier is in operation, press "+ -" for 5 seconds, there will be displaying "LC" after a sound "dick". The control keyboard is therefor locked.

## Draining

### When you empty water from a water tank

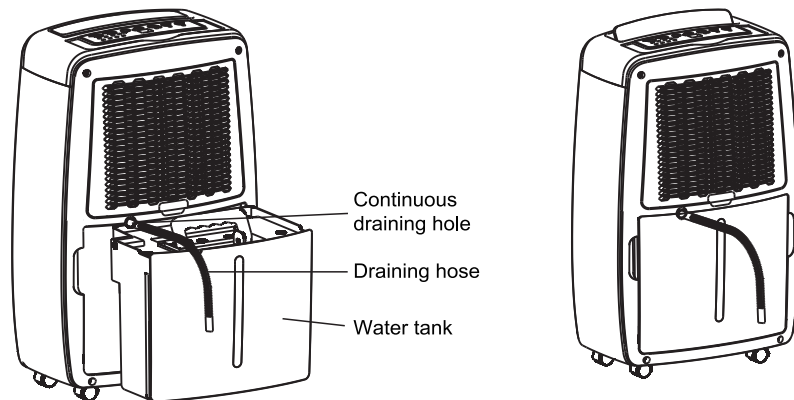
#### A. Use water tank

1. During the dehumidifying operation, water is collected in the water tank. When the tank is full of water, the dehumidifier stops operating automatically and the indication lamp blinks (Red).
2. Remove water tank from the dehumidifier, and hold the tank by the handle and carry it gently, tilt the tank to the direction as shown, and slowly empty the water out of the tank.
3. Re-set the tank in the dehumidifier.



#### B. Continuous draining

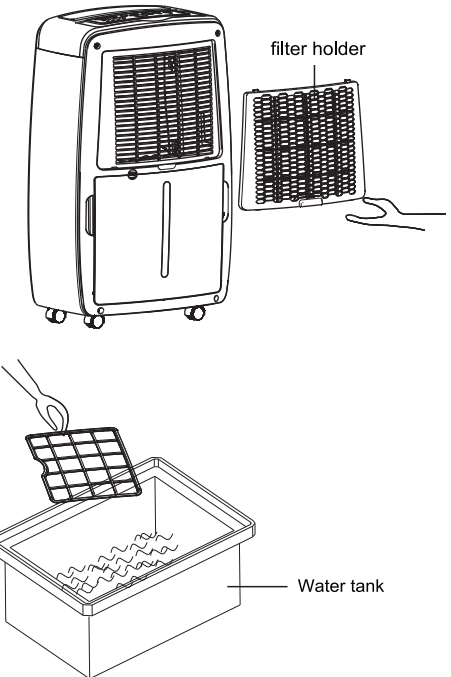
As below photo, take out water tank first, insert an inner diameter 12mm PVC draining hose into continuous draining hole, and then fix back the water tank.



## Clean the filter

1. Remove the filter holder from the unit.
2. Take out the air clean filter from holder.
3. Wash clear the filter by water.
4. Leave it dry and fix back the filter.

Remark : to ensure the effective operation of the dehumidifier ; suggest cleaning the filter once per week.



## Cautions for use

1. The dehumidifier working temperature range is 5°C - 32°C . Please use it in this range. (Use the unit out of this range, the product will stop to work because of switching protection, this is a normal phenomenon.)
2. When room temperature is less than 5°C, the ambient absolute humidity is quite low, it can not use the dehumidifier.
3. During operation, the inner compressor releases heat, and cause the room temperature rises slightly, this is a normal phenomenon.
4. The dehumidifier will not operate when water tank is full of water.
5. Ensure the float lever works normally ; please don't put anything on the lever.
6. When the dehumidifier can not operate or stop without reason, please check by the following steps :
  - (1) Check the plug or outlet is normally.
  - (2) If step one is OK, please wait 10 minutes and operate it again.
  - (3) If it still cannot be operated, please make contact with the sellers of your appliance.
7. Keep the distance more than 15 centimeters between the inlet, outlet and nearby objects.

## Trouble - Shooting

Prior to requesting to repair, please check for the following :

Malfunction	Points to be checked	Measures to be taken
No operation	Check to see if the power plug is disconnected.	Insert the plug into an electric outlet firmly and securely.
	Check to see if the water tank is full of water.	Empty the water tank.
	Check to see if the water tank is not set properly in position.	Set the tank at the unit properly in position.
Dehumidified volume is small	To see if the filter gets dirty.	Clean the filter as specified.
	Check to see if the air openings are blocked up.	Remove obstacles from the air openings.
	Check to see if the dehumidifier is setting on high humidity.	Adjust the humidity on a low level.
Loud sound while operating	Check to see if the unit is not installed as-specified.	Install the unit on a level and stable floor.
Operation stops during spot dehumidifying	Check to see if the room temperature is higher or lower than the usable operating temperature.	The dehumidifying operation will be started automatically when the temperature resume to its range.
Washed clothes are not dried	Check to see if washed clothes are not exposed to the air from the unit.	Try to expose the washed clothes to the air flow.
	Check to see if the room temperature is too low.	Washed clothes are hard to be dried under low temperature conditions.

Nothing is wrong with your dehumidifier in case of the following phenomena :

Phenomenon	Reason
Operation stops occasionally	The unit is defrosting, or humidity reaches setting range.
Dehumidified volume is small	Dehumidifier volume less when the room temperature is low.
The humidity in a room is still high	The room size may be too large. The doors or the windows of the room may be opened and / or closed frequently. The dehumidifier is used together with a kerosene heater which emits vapor.
Bad smell during operation	Smell is emitted from the walls, furniture or other objects.
Sound is produced within the unit	Circulation of the refrigerant may cause sound until it is stable.
Water is left in the water tank	The water is left because the unit is subjected to dehumidifying test in the factory.
Indicator lights up	When the water tank is full of water.

## Specifications

### Specifications

Model	KD-202
Product	Kaneda Dehumidifier
Power supply / frequency	220V~50Hz , 1Ph
Capacity (Liter / day)	9.9 Liter/day 20 Liter/day
Energy efficiency standard (temperature 26.7°C , dehumidity 60%) (temperature 30.0°C , dehumidity 80%)	
Room temperature °C	5-32°C
Water tank capacity	5.5L
Refrigerant	R134a/185g
Measurement (W x H x D) mm	360x580x220mm
Net Weight (KG)	14.5
Cross Weight (KG)	15.8

The specification may be subject to change without notice for purpose of improvement.