TOSHIBA

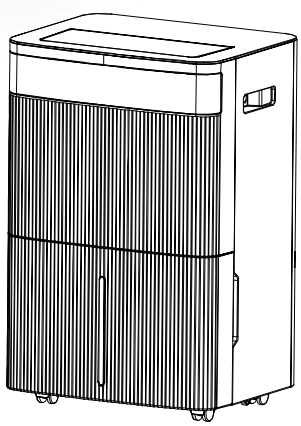
TOSHIBA Compressor Dehumidifier

Instruction Manual
<Family use>



Model

RAD-D200H
RAD-D250H
RAD-D300H



- Thank you for choosing Toshiba Compressor Dehumidifier.
- Please read this Instruction Manual carefully before using the Dehumidifier to ensure proper operation.
- This Manual contains instruction that is essential to the operation of the Dehumidifier, please retain it for future reference.

Compressor Type Dehumidifier differs from air-conditioner that it does not have a cooler function. On the contrary, the room temperature may rise as the Unit produces heat during operation.

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Safety Precautions Strict observation

To prevent injury to user or others and damage to property, please carefully read and observe the following precautions presented in signs and symbols.

Sign	
⚠ **WARNING**	May result in fatal or severe injury.
⚠ **CAUTION**	May result in minor injuries or property damage.

Symbol	
⃠	Prohibited
●	Strict Observation

⚠ WARNING

To prevent fire, electric shock or injury

Strict Observation

Stop using the Dehumidifier immediately if abnormality or malfunction takes place. Abnormal operation of the Dehumidifier may result in fire, electric shock or injury that the Unit should be switched off and unplugged immediately, then contact Toshiba Repairing Service & Parts Centre for check up and repair. Examples of abnormality

- Short circuit
- Foreign objects or liquid inserted
- Water leaks from the Unit
- Power cord and plug overheated or power cord damaged
- Unusual loud operating noise
- Function keys not working
- Burning smells from normal operation

Prohibited

Do not disassemble, repair or modify the Dehumidifier as this may cause fire, electric shock or injury. Please contact Toshiba Repairing Service & Parts Centre for repair.

Prohibited

Do not put the Dehumidifier near heat-generating devices, such as heater, as they may melt the plastic parts of the Unit that causes fire.

Operating Instruction

Prohibited

- Do not place or apply spray near the Dehumidifier, which may cause fire or explosion.
- Do not insert any foreign objects into the swing Louver, Air Intake or Air Outlet, which may result in injury when the internal fan is running at high speed.

- Do not damage or modify the power cord. Power cords that are damaged, modified, trapped under heavy objects, heated up or stretched may cause fire or electric shock.
- Do not use damaged power cord, which may result in short circuit, fire or electric shock. Please consult your dealer or Toshiba Repairing Service & Parts Centre.
- Do not remove the power plug by pulling the power cord as this may damage the power cord and cause short circuit, fire or electric shock.
- Do not move and store the Dehumidifier by pulling the power cord as this may cause short circuit or damage the wiring of the power cord, and result in fire or electric shock.

⚠ WARNING

Power supply, power plug, and power cord



Strict Observation

The following rules must be strictly observed, or it may cause electric shock and fire.

- Exclusively use 220V AC power sockets
- Do not use an extension cord
- Ensure that the plug is fully inserted into the socket
- Dust off and clean the power plug regularly



Prohibited

Do not operate the Dehumidifier in the following abnormal situations

It may result in electric shock, fire, heat generation, short circuit,ignition, and malfunction etc.

- Do not operate the Unit with damaged power plug or power cord and loose power socket.
- Do not damage, bend, stretch, twist, press, modify, and heat up the power cord, or get it caught under the Casters or doors.
- Do not disconnect the power supply until the unit comes to a complete stop. Do not drag the power cord when the unit is operating.



No Wet Hand

Do not plug in or unplug the Dehumidifier with wet hand. Doing so could result in electric shock.

⚠ CAUTION

Set up environment



Strict Observation

Do not operate the Dehumidifier in the following abnormal situations

- Place and use the Dehumidifier on a stable and leveled surface with a slope less than 2°.
- An unleveled surface will cause excess operating noise or vibration, or leave the Unit in a tilted position that the water in the tank may overflow and wet the floor and surrounding objects, which in turn result in electric shock, electric leakage and fire.
- Do not place any objects on or close to the Dehumidifier, it may result in heat generation,fire and malfunction.



Prohibited

Do not install the Dehumidifier in the following setting

- A place where it is likely to come into contact with water such as bathroom. This could cause electric shock, electric leakage and fire.
- Where the unit may be subject to oil or flammable gas leakage. The flammable gas around the Dehumidifier could cause fire or explosion.
- Elevated position such as on a table, as the Dehumidifier may drop and cause damage to the Unit.
- Where the ambient temperature of the Dehumidifier and drain hose is below freezing point. Water inside the drain hose may freeze, that maywet the surrounding objects when it thaws, and result in electric shock, electric leakage or fire. The Water Tank may consequently break and leak.
- Where drugs and chemicals are used, such as hospital, factory, laboratory and beauty salon. Chemicals in the air may affect the performance of the Unit, cause leakage, heat generation, ignition and fire.
- Outdoor location where the Dehumidifier is exposed to direct sunlight or rain that may result in leakage, heat generation, ignition and fire.
- This Dehumidifier is for indoor use only.
- Where space is narrow and enclosed that may cause heat generation or fire.
- Do not use combustion appliances in the path of the airflow of the Dehumidifier, as this may cause incomplete combustion.

(Cont·)3

Safety Precautions (Cont.)

⚠ CAUTION

Power plug and power cord



Strict Observation

- Do not remove the power plug by pulling the power cord, but by grabbing hold of the plug, as mishandling may cause result in fire caused by electric shock and short circuit.



Unplugging

- Unplug the Unit from the power source when not using it for an extended period of time. Insufficient insulation may cause electric shock, electric leakage and fire.



Prohibited

Do not use the Unit for the following purposes

- Food, pharmaceuticals, artworks, data storage, and special purpose. Doing so may deteriorate the quality of the items stored.
- Water from the Dehumidifier is not suitable for human or animal consumption as it is hazardous to health.



Prohibited

- This Dehumidifier should be kept away from infant, children, elderly person or anyone who cannot operate the Unit independently.
  Pointing airflow from the Unit directly at a body for a prolonged period of time may be harmful to health and cause dehydration.

Maintenance



Unplugging

- Unplug only after the unit comes to a complete stop. Otherwise, the plug may be damaged and cause electric shock.



Strict Observation

- After running the Dehumidifier for a long period of time, Air Intake and Drainage Hose should be taken down to clean regularly.
  Otherwise, overheating or leakage may occur.
  Please check for leakage underneath the Unit after using the Unit in the same spot for a long period of time.
  Leakage will wet the floor and ruin surrounding items.



Prohibited

- Do not wash the Dehumidifier with water
  This may cause electric leakage and electric shock.

Operating the Dehumidifier



Strict Observation

- Check the Drainage Hose during the Continuous Drainage Operation. Wetting furniture may result in electric shock, electric leakage, and fire.
- Check to ensure the drain hose is free of bent and properly inserted.



Prohibited

- Do not put objects filled with water, such as vase, on the Unit.This may cause electric shock, electric leakage and fire.
- Do not tilt or drop the Dehumidifier or it may result in damage, leakage, electric shock and malfunction.
- Do not remove the Float from the Water Tank.
  This may cause intermittent operation of the Unit, leakage that wet the surrounding items, electric shock and electric leakage.
- Do not block the Air Intake and Air Outlet.
  Do not cover the Air Intake and Outlet with laundry.
  This may cause heat generation, fire, and damage to the clothing.
- Do not point the airflow directly at plants.
- Do not use pesticide spray or volatile thinner to wipe the body of the Unit.
  This may cause damage to the Unit and leakage that wet the property, or short circuit that result in fire or electric shock.
- Please do not sit or climb on top of the machine, it may Injury caused by slipping or falling.

Moving the Unit and Storage



Strict Observation

- Before moving the unit, always switch it off, unplug and remove water from the Water Tank, and firmly hold the Handle to lift it.
  Mishandling may wet the surroundingitems, electric shock, electric leakage and fire.



Prohibited

- Stop pushing forward if the Casters are unable to roll smoothly.This may cause damage to the flooring or carpet.
- Do not move or store the unit in horizontal position
  This may cause damage, electric leakage, electric shock, malfunction and abnormal noises.

Safety Precautions (Cont.)

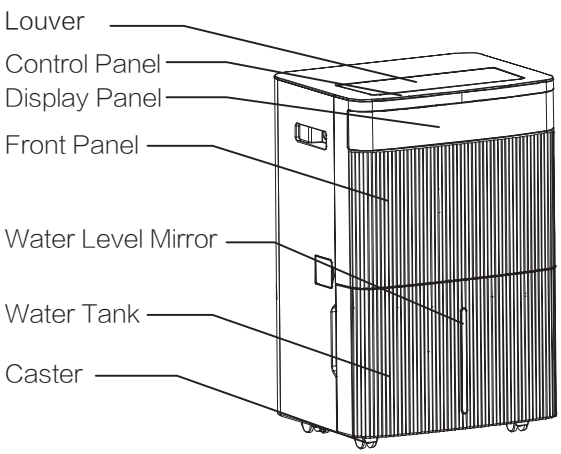
⚠Safety Warning

Maintenance:

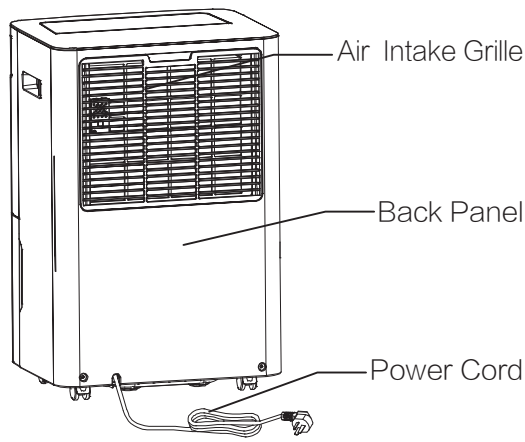
- ▲ Prior to cleaning or other maintenance, the appliance must be disconnected from the supply mains.
- ▲ Unintended use of the appliance or damage to the housing may result in the escape of dangerous UV radiation. UV radiation may, even in small doses, cause harm to the eyes and skin.
- ▲ The appliance must be disconnected from the supply before replacing the UV light.
- ▲ Before opening doors and access panels bearing the ultraviolet radiation hazard symbol for the conducting user maintenance, it is recommended to disconnect the power.
- ▲ UV light model: OL-UV1C16-5V, DC 5V, 1.6mW.
- ▲ UV barriers bearing the ultraviolet radiation hazard symbol should not be removed.
- ▲ Do not operate the UV light outside of the appliance.

Component Parts

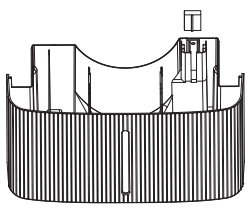
Front



Rear



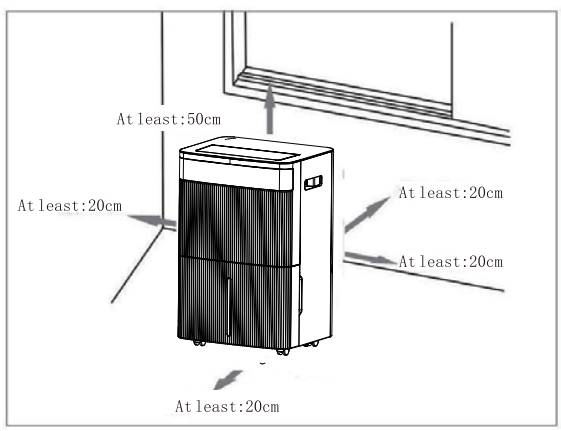
Water Tank



Do not remove the Float from the Water Tank, or otherwise the Dehumidifier cannot detect the water level that may cause leakage and malfunction.

Installation setting

Keep enough space around the Dehumidifier to ensure effective operation. Please place the Unit according to the specifications shown in the diagram to the right. Insufficient space may impact on the performance of the Dehumidifier.

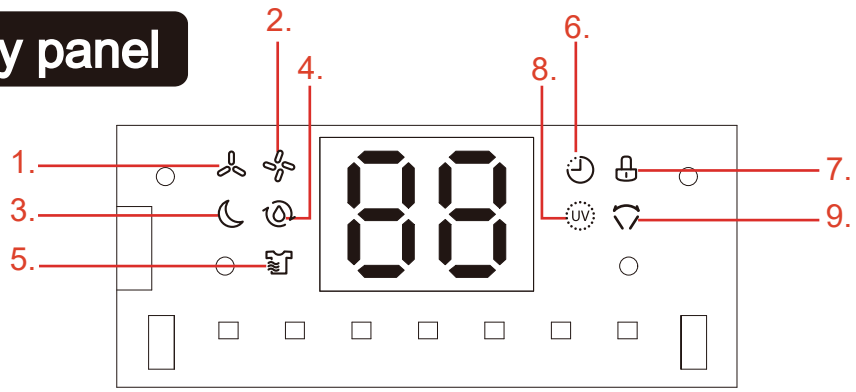


Caution

- Drain the Water Tank before use.
- Minimise the frequency of opening and closing doors and windows to save energy.
- Keep enough space around the Dehumidifier. Allow at least 50cm of air space above the Unit and at least 20 cm on four sides, as shown in the diagram.
- Operating noise: It is recommended to place the Dehumidifier on top of a mat or rubber slab to reduce vibration and noise, which may also prevent creating carpet depression or dents on wood flooring.

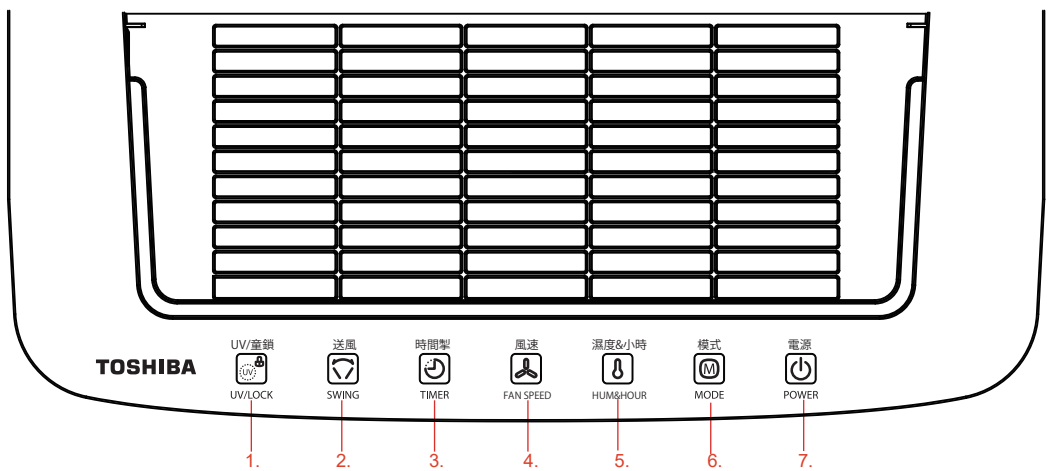
Component Parts (Cont.)

Display panel



Display light icon meaning:

1. Low wind speed pattern 2. High wind speed pattern 3. Sleep mode pattern
4. Dehumidification mode pattern 5. Dry clothes mode pattern
6. Timer pattern 7. Child lock pattern 8. UV light pattern 9. Air circulation pattern



Control panel

Key Function

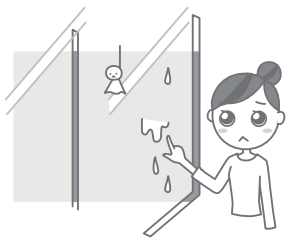
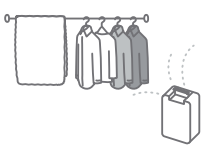
1.UV/ Child Lock
Press this key alone to choose to turn the UV function on or off.
Press and hold for 3 seconds to choose to lock or unlock the child lock.
2. Swing button
Press this button to turn on/off the swing function.
3. Timer button
Press the timing key to set timing / check timing / cancel timing
In the non timing state: press the timing key to enter the timing setting state. The digital screen flashes to display the timing time. During the flashing period of the digital screen, press the hour key to adjust the timing time (0 ~ 24h).
In the timing state: press the timing key, and the digital screen flashes to display the remaining timing time. Press the timing key again during the flashing period of the digital screen to cancel the timing.
4.Fan Speed button
Press this button to switch the fan speed between high and low fan speed cycle, and the corresponding indicator light will be on.

(Cont·)7

5.HUM button
Press this button to set humidity .
To humidity adjusting , press one time to add 5% humidity value, the humidity adjusting follow the order as below : 30% - 35% - 40% - 45% - 50% - 55% - 60% - 65% - 70% - 75% - 80% - 30% cycle.
To timing,press one time to add 1 hours timing value, the timing follow the order as below:
00-01-02-03-04-05-06-07-08-09-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-00 cycle.
6.Mode button
Press the mode button to switch between Auto and Laundry Drying Mode.the corresponding indicator will light up.
Auto mode:
when environmental humidity > set humidity +3%, the fan starts and the fan operates at the set wind speed.
When environmental humidity < set humidity -3%, the press stops and the fan stops after a delay of 30 seconds.
In the dehumidification mode (automatic dehumidification mode), both the fan speed and humidity Settings can be adjusted.
Laundry Drying Mode:
In this mode,The machine will continue to run in high fan speed , fan speed is adjustable,humidity setting can not be adjusted.
Sleep mode:
Long press MODE button to turn on sleep function.
In sleep mode, except sleeping mode indicator light, other indicator lights and display screen will be off or darken.Press any button will restored in normal display. Other functions are the same as auto dehumidify -ing mode.
In sleeping mode, the fault code is not displayed, the wind speed and the humidity is adjustable.
In standy mode, when the water tank is full , the machine will not alarm, the “FL” to remind that the water tank is full and you need to empty the water tank.
7.Power
Press to turn the dehumidifier on or off.

Function Options

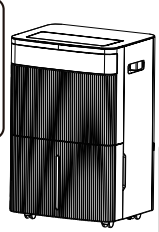
- Please refer to P11-13 (How to Operate) for detailed instruction.

Situation	Operation Mode
To dehumidify To remove moisture and suppress the mildew growth on the ceiling and wall. 	To keep the optimal humidity of a space • Automatic Mode When Hr>Hs+3%, the press starts and the fan operates at the set wind speed. When Hr<Hs−3%, the press stops and the fan stops after a delay of 30 seconds. In the dehumidification mode (automatic dehumidification mode), both the fan speed and humidity Settings can be adjusted. • Laundry Drying Mode In this Mode, regardless of the current humidity, the compressor turns on and the Fan operates at High Speed, with the Fan Speed adjustable.
To dry laundry 	To dry laundry with warm dry air • Select high or low fan speed. • Place the laundry at the spot where the warm dry air can reach to. (Page 9)

Caution

- During normal operation, the Dehumidifier may make different operating noises and heat up the bottom of the Unit.

The Unit makes a cracking popping noise from the cooling system at the back when it starts operating but it quiets down after warm-up.



The Unit makes a buzzing noise when the compressor (placed at the bottom of the Unit) turns on.

The bottom part of the Unit heats up as a result of the operation of the compressor.

Laundry Drying

Proper use of the Laundry Drying Mode

- Hang and space the laundry evenly
  Pointing airflow from the Unit directly at the laundry and spacing the laundry evenly could shorten the laundry drying time.
- Position of the Dehumidifier
  Shifting the position of the Dehumidifier and the laundry to shorten the drying time.
- Sort the laundry according to fabric type and thickness and position the laundry accordingly.
  - Heavyweight clothing takes a long time to dry so it should face the Air Outlet directly.
  - Denim jeans and dress takes a short time to dry that it could be placed further away from the Unit.
  - Lightweight clothing takes a short time to dry that it could be placed further away from the Unit.
- Take down the laundry as soon as it is dry
  On humid or rainy days, laundry should be taken down as soon as it is dry, or otherwise it will absorb moisture from the air.

Tips

- The drying time will be longer in the following situations:
  - The laundry is in high volume
  - The laundry is heavy weight cloth
  - The room temperature is low
  - Insufficient space between the laundry
  - The room for drying laundry is big

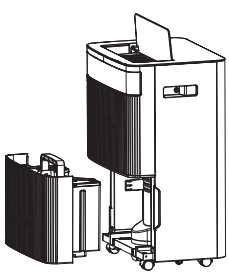
Preparation and Confirmation

Water Tank Insertion

The Unit cannot operate if the Water Tank is not properly inserted or when it is full of water.

Taking out the Tank

Hold the sides of the water tank with both hands respect -ively and pull it out forcefully.

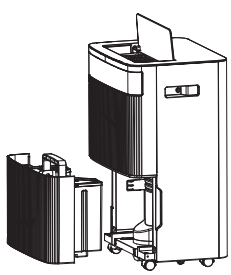


Inserting the Tank

❶ Put the water tank cover on,and rotate the water tank handle down.

❷ Gently put the water tank back to the correct position, and then restart the dehumidifier

- Please tidy the handle of the water tank and gently put the water tank back in place.



Caution

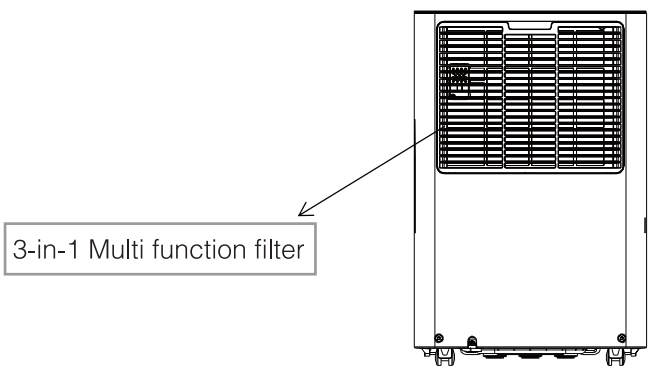
- Confirm that the water tank cover and water tank drain are installed, otherwise water may leak.
- When the water tank is full, please empty the water in the tank.

Filter installation method

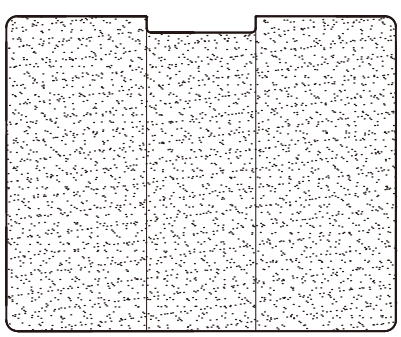
Install the 3-in-1 Multi function filter onto the filter frame, so that the intake air can be purified.

- Remove the filter frame behind the fuselage.
- Install the 3-in-1 Multi function filter into the filter frame.
- Put the filter frame back into the machine.

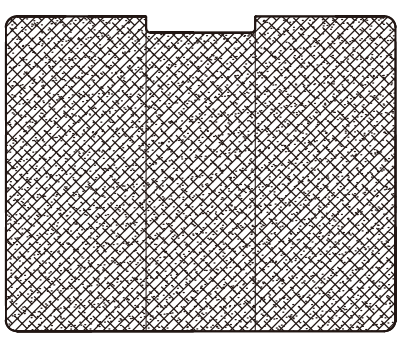
Note: The dehumidification performance will be decreased after adding the filter. You can remove the 3-in-1 Multi function filter during dehumidification to achieve the best dehumidification result.



Note: When installing, the side of the filter screen with the plastic surface should face outward.



Inward



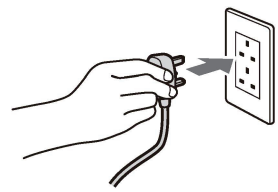
With plastic net (Outward)

How to Operate

Warning	Prohibited
	Power cord cannot be damaged, bent, stretched, tied up or trapped under heavy objects, got caught under the casters or doors, modified, or heated up. It may result in electric shock, fire, heat generation, short circuit and ignition.

Plug In

- Startup sound “DING”



Power Switch

- Press the switch to turn on or off the Dehumidifier.

Modes of Operation

- Press the mode button to switch between Auto and Laundry Drying Mode.
  Auto mode - continuously dehumidify mode cycle, press once to switch the mode from one to another, the corresponding indicator will light up.
  Auto mode:
  when environmental humidity ⩾ set humidity +3%, the fan starts working and compressor starts working after 3 seconds.
  When environmental humidity ⩽ set humidity -3%, the compressor stops working and fan stops working after 30 seconds’ delay.Both fan speed and humidity setting can be adjusted under Auto mode.
  Continuously dehumidify mode:
  In this mode,The machine will continue to run in high fan speed , fan speed is adjustable,humidity setting can not be adjusted.
  Sleep mode:
  Long press MODE button to turn on sleep function.
  In sleep mode, except sleeping mode indicator light, other indicator lights and display screen will be off or darken.Press any button will restored in normal display. Other functions are the same as auto dehumidify -ing mode.
  In sleeping mode, the fault code is not displayed, the wind speed and the humidity is adjustable.
  In sleeping mode, when the water tank is full , the machine will not alarm, the display “FL” to remind that the water tank is full and you need to empty the water tank.

Humidity/Hour key

- Press and hold the "Adjust" key for a long time to switch and flash the ambient temperature. After 5 seconds, the ambient humidity or timing will still be displayed.
  Press this button to set the humidity and timing time:
  In the dehumidification mode (automatic dehumidification mode), for humidity adjustment, pressing once can increase the humidity value by 5%.
  The specific adjustment sequence is as follows: 30%-35%-40%-45%-50%-55%-60%-65%-70%-75% 80%-30% (cycle period).

How to Operate (Cont.)



Fan Speed

- Fan Speed can be adjusted in both Automatic Mode and Laundry Drying Mode between High airflow mode and Low airflow mode.



Timer

- Press this key alone to set the timer/query the timer/cancel the timer.
- When starting up press the timer key to set the timer,query the timer or cancel the timer.
  In non-timed state:Press the timed key to enter the timed setting state.The digital display screen flashes to show the timing.
  During the flashing of the digital display screen,press the adjustment key to adjust the timing(O to 24 hours).In the timing state:Press the timing key,and the digital display screen will flash to show the remaining timing time.Press the timer button again during the flashing of the digital display screen to cancel the timer.
  For timing, the timing value can be increased by 1 hour each time. The timing sequence is as follows: 00-01-02-03-04-05-06-07-08-09-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-00 (Cycle period).

  During the timer period, the timer indicator lights up. When the timer ends, the timer indicator turns off.
  Setting a timer on/off does not change the current on/off state; the timer setting is valid only for the last timer setting. Pressing a key to turn the power on/off will clear all timer settings.
  Timed start-up: When the machine is turned off, press the timer control button to set the time.



Air supply button

- Press this button to turn on/off the air supply function.



UV/LOCK

- Press this key alone to choose to turn on or off the UV function.
- Press and hold for 3 seconds to choose to unlock or unlock the child lock.

How to Operate (Cont.)

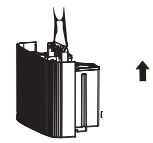
How to empty the Water Tank

Moisture in the air is condensed and drops into the Water Tank.

- When the water tank is full, the machine stops running and the full water status is indicated by "FL". After the water is drained, the water tank returns to its original state, and the entire machine can resume operation.

1 Pull out the Water Tank slowly to prevent splash.

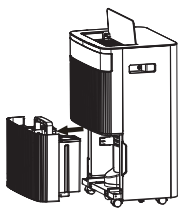
2 Grab the Handle of the Water Tank to lift it slowly.



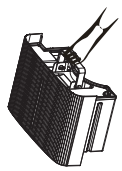
Caution

Pulling out the Water Tank

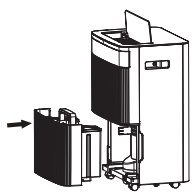
- Water residual around the Drainage Outlet may drip down that have to be wiped away.



3 Tilt the Water Tank to slowly release the water.



4 Insert the Water Tank back into the Unit.



Please go to P14 for Continuous Drainage

Moving the Dehumidifier

⚠ Caution

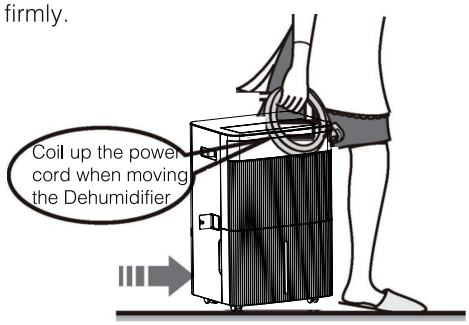
Prohibited

Stop moving the Unit when the Casters are stuck by flooring or carpet, and go sideways.

- Lift the Unit up to go over bumpy areas and where the casters get stuck easily.

1 Switch off the Unit, unplug it and remove water from the Water Tank.

2 Coil up the power cord and transport the Unit by grasping the Handle firmly.



- Be cautious to keep the power cord from getting caught in the casters. Lift the Unit up by holding the Handle firmly to go over stairs or change direction of movement.

Tips

- Placing the Dehumidifier in the same spot for a long period of time may leave depression on carpet or dents on wood flooring.

Continuous Drainage

⚠ Caution

Tips

A hose has to be properly installed for Continuous Drainage operation, or it may result in dampening the surrounding objects, electric shock, electric leakage or fire.

- Check to make sure the hose is free of bends, and is not placed hole-side up.

Prohibited

Do not drain water continuously if the ambient temperature of the Dehumidifier and drain hose is below 0°C. Water inside the Unit and hose may freeze that may wet the surrounding objects when it thaws, and result in electric shock, electric leakage and fire. Water Tank may consequently break and leak.

If a drain is available, the Dehumidifier can continuously drain water by installing a hose.
This would enable the Unit to operate for a long period of time without the need to empty the Water Tank.

Specification of the drain hose
(Plastic hose readily available in the market)

Length: The length of the drain hose is suggested to be under 0.6 m. The end of the hose is placed below the Drainage Outlet by a minimum of 10 cm. Keep the hose free from clog to ensure proper drainage.

Internal Diameter: 11 millimeters

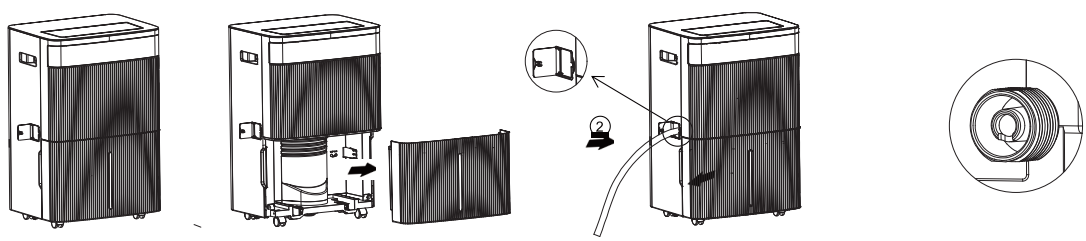
Caution

- Do not use expandable hose, as the hose may not be drained completely.

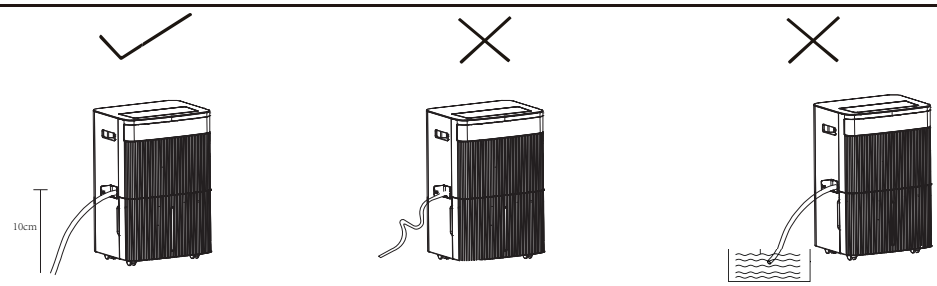
Stop the Dehumidifier before taking the following steps, and unplug it from the power socket.

1 After removing the water tank，Open the drain cover on the side of the Fuselage.

2 Connect the 11-millimeter threaded pipe to the drain，Use both hands to push the threaded pipe from the outside of the machine body to the inside. After installing the pipe, put the water tank back.



Caution



This Dehumidifier can continuously drain water by attaching a drain hose (with an internal diameter of 11 mm) onto the Drainage Outlet, saving the trouble of emptying the Water Tank.

Maintenance Tips

Warning


No Wet Hand

Do not plug in or unplug the Dehumidifier with wet hand.
Doing so could result in electric shock.

Caution


Unplugging

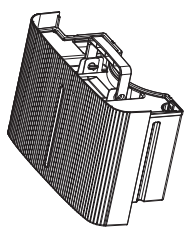
Turn off the Unit and unplug the power cord
before cleaning it to prevent electric shock.


Prohibited

Do not remove the Float from the Water Tank.
Doing so could result in inoperability, leakage,
dampening surrounding objects, electric shock, and electric leakage.

Main Body

Use soft and slightly damp cloth to wipe the Unit.



·Wipe dust off the Power Plug regularly.

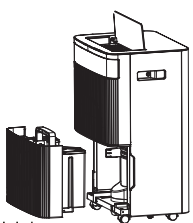
·Remove stubborn dirt with soft cloth and neutral kitchen detergent.

·Clean Control Panel only with a dry cloth, and use no water.

·Do not use gasoline, thinners, alcohol, cleansing powder, or brush to prevent deforming or scratching the Unit.

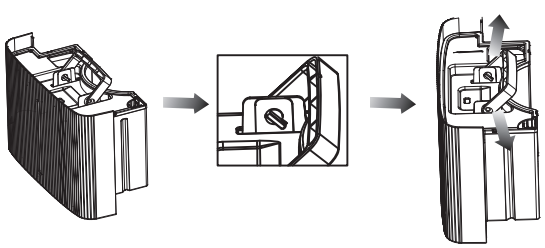
Water Tank

1 Pull out the Water Tank from the Unit.



2 Remove the Water Tank Lid.

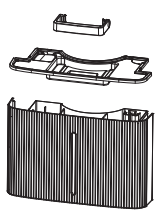
- Remove the water from the tank by puling it out through the handle limit slot.
  The water tank cover is opened upwards.
- Removing the Tank Handle
  Lift the handle from a horizontal position to the desired angle.
  Find the correct tank handle retaining groove as shown in the figure.
  Once you have found the retaining groove, apply pressure outward with both hands simultaneously to remove the tank handle.



3 Clean the interior and the Lid of the Tank.

- Do not brush the Tank to prevent scratches.

4 Wipe dry the exterior of the Water Tank, put the Lid back on and insert the Water Tank into the Unit.Press down the Water Tank Handle and
- Lid to ensure proper installation.

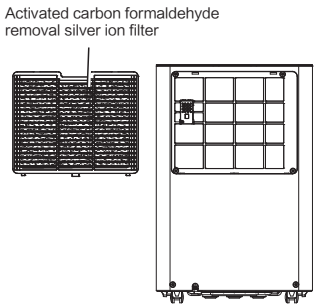


5 Insert the Water Tank back into the Unit.

- Hold the Water Tank horizontally and push it inside gently to install the Tank.

Maintenance Tips (Cont.)

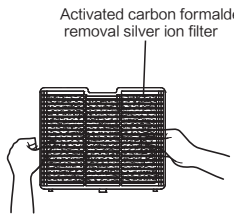
Activated carbon formaldehyde removal silver ion filter
(once every 2 weeks)



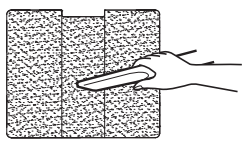
1 The dirt of the filter can be cleaned by a vacuum cleaner

- Slow down the suction power of the vacuum cleaner.

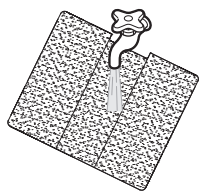
2 Remove the filter frame and take out the Activated carbon formaldehyde removal silver ion filter



3 Use a vacuum cleaner to clean up the dust on the Activated carbon formaldehyde removal silver ion filter and then wash it with water.



4 Wipe dry water with a towel and dry it in a well-ventilated place.



- Install after fully drying.

Prohibited items for Activated carbon formaldehyde removal silver ion filter

a. Do not use water other than tap water for dry cleaning
b. Do not rub the filter
c. Can not be heated and dried
d. Don't dry it under direct sunlight
e. Do not apply physical pressure when dry

Operation and Performance

Dehumidifying capacity

Dehumidifying capacity (Operation at High Fan Speed)

Operating the Dehumidifier under the conditions set out below, the dehumidifying capacity is the amount of moisture removed per day (24 hours): High Fan Speed Operation at a room temperature of 26.7°C, indoor humidity of 60%, with no preset humidity level, and the Louver fully open. Operating with other settings and different Louver swing angle would diminish the dehumidifying capacity.

The correlation among room temperature, humidity and dehumidifying capacity

Dehumidifying capacity at constant room temperature
The amount of dehumidifying increases with increasing humidity level and vice versa. Eg. Humidity level at 60%.

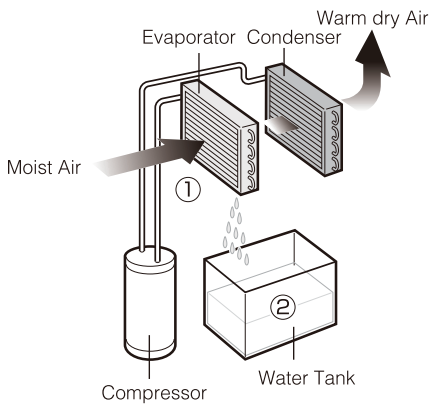
- When the Unit operates at the preset Humidity Level, it stops Dehumidifying The fan stops running. The amount of moisture removed may be small in such a situation but this is not a malfunction.

- When the machine is below the set humidity and the operation mode is [Set Humidity], it will automatically stop the dehumidification operation and the fan will stop running. Although the dehumidification volume will decrease at this time, it is not abnormal.

How does a dehumidifier work?

1 The Unit draws moist air from the environment and cools it with evaporator.

2 As moist air passes through the evaporator coils, moisture freezes and transforms into water droplet that drips down into the Water Tank.



Indoor air passes through the evaporator coils and condenses on the cold coil into water droplets.

Defrost cycle during operation

- During the defrosting process, please do not unplug the power cord or forcibly stop the operation.
- When the ambient temperature is low, the entire machine will enter intelligent defrosting control, and during the defrosting period, the corresponding mode indicator light will flash to display.

Rise of room temperature during operation

The Dehumidifier does not have a cooler function.

- The Unit generates heat during operation that the room temperature may rise by 1°C -4°C.

Operating noise

Do not unplug the power cord to force abort the Defrosting Operation.

The noise of the movement of the refrigerant is rather loud at start-up but it quiets down after warm-up.

Troubleshooting

- Please check the following items of the Dehumidifier before calling for service.

Symptoms and remedies

1. The remedies that could resolve the symptoms listed below.

Symptom	Possible Cause	Remedy
The Unit does not operate	Is the power cord properly inserted?	Plug the power cord fully into the power socket.
	Is the Water Tank full? (Water Tank is full of water or it is not properly inserted)	Empty the Water Tank and insert it back into the Unit.
	Is the ambient temperature too low or too high?	It is recommended to operate the Dehumidifier between an ambient temperature range of 5-35°C.
Poor dehumidification results	Is the temperature or humidity of the room too low?	Low humidity reduces dehumidifying effectiveness.
	Is the Air Outlet or Air Intake clogged?	Remove the items blocking the Air Outlet and Air Intake.
No air comes out	Is the Air Intake blocked?	Clear the items blocking the Air Intake.
The Unit makes abnormaloperating noises	Is the Unit placed on a slope or uneven surface that causes it to tilt or wobble?	Place the Unit on a stable and leveled surface.
	Is the Air Intake blocked?	Clear the items blocking the Air Intake.
	The sound of flowing water	This is caused by the flow of refrigerant inside the Unit.
Water leakage	The drain hose is loosely attached	Securely insert the drain hose.
	The Drainage system is blocked	Unclog the hose.
Frosted up	Low ambient temperature causing the Unit to activate the defrost operation.	This is not a malfunction that defrosting operation could be activated by the Drying Inside Operation.

2. Error message code description

Code	Description
FL	Water Tank Full alarm
EF	Motor feedback failure
E2	Ambient Temperature Sensor failure
E1	Coil Sensor failure

Specifications

1. Product Parameters

Model		RAD-D200H	RAD-D250H	RAD-D300H
Power Supply		220V ~ 50Hz		
Dehumidification Capacity (Litre per day)	26.7°C 60%	13.5	14.9	18
	30°C 80%	22	25	30
Power Consumption (W)	26.7°C 60%	244	260	295
	30°C 80%	280	300	350
Water Tank Capacity (L)		5.5		
Overflow protection capacity (L)		5.2		
Weight (kg)		14.5	14.5	14.5
Dimensions (mm) (W x D x H)		340X265X520		
Operating temperature range		5℃~35℃		

2. Fuse Parameters

Voltage: 250 VAC

Current: 13A



Disposal:

Please do not dispose of this Unit along with other unclassified garbage.
This Unit should be placed separately for special usage.

All data are given for reference only. Please note that technical upgrade may cause the product function to undergo changes without prior notice.