

USER MANUAL
DEHUMIDIFIER



WARNINGS

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

FOR CUSTOMERS

Thank you for purchasing our dehumidifier.

ELECCI has been committed to developing powerful and easy-to-use products to bring more convenience to your life. We highly recommend you to keep this user manual for future reference in case of unexpected problems.

Please read this user manual carefully to ensure proper use of the dehumidifier. This dehumidifier is perfect for reducing humidity in family bedrooms, bathrooms,basements, offices, storage rooms and more.

ELECCI dehumidifier reduce the room humidity efficiently, creating a more healthy and comfortable environment for you and your family.

REQUESTING CUSTOMER SERVICE

If there are any problems of the product, please contact Humsure Customer Service at mailto:uselecci@163.com with your Purchase Order ID. We'll help you solve the problems as soon as possible

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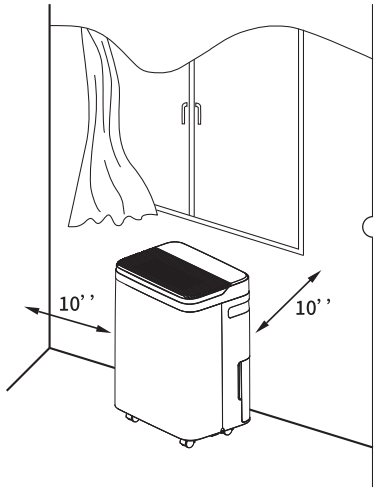
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19 Basic Parameter Information

Placement

a. It’s recommended to operate the dehumidifier at ambient temperature between 41°Fand 95°F(5-35°C). When the ambient temperature is lower than 59°F(15°C), frost may occur and the compressor will stop working. The appliance will defrost automatically. When defrosting is over, it will start working again.

b. Keep the dehumidifier upright on a flat and sturdy surface and make sure there is at least 10-inch space around it.



Notice of Compressor Running Status

It’s a normal phenomenon that the compressor and fan keep running when the ambient humidity reaches the preset RH. The fan stops 5 minutes after the preset RH is reached. The compressor stops when the ambient humidity is 4% lower than the preset RH, and it starts automatically when the ambient humidity level is 4% higher than the preset level. The Return Difference design featuring 4% error range is for better protecting and prolonging lifespan of the appliance.

Notice of Full Tank Detection

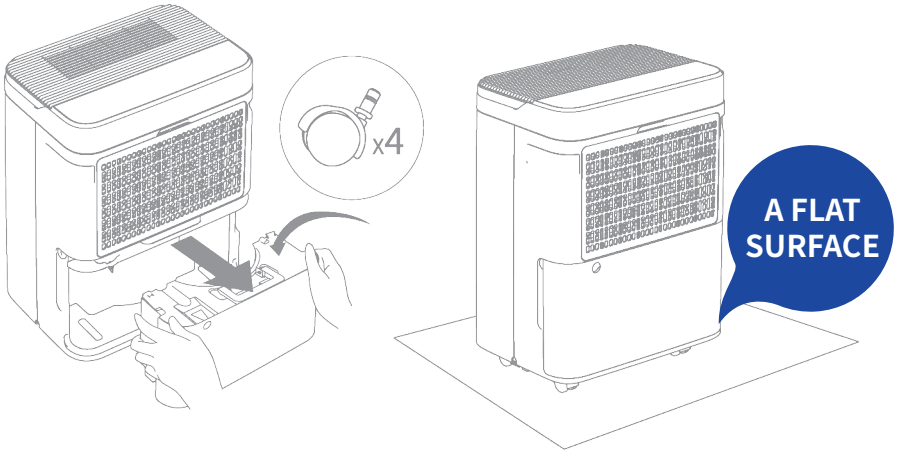
1、There may be a few residual water in the water collecting tray while the tank full indicator light is on. Please wait for several minutes before take out the water tank.
2、The fan will keep working for 5 minutes and the compressor will auto shut off when the tank full indicator light is on for protection. The fan will auto shut off after extra 5-minute work if the water tank is still full.

BEFORE FIRST USE

BEFORE FIRST USE

To prevent injury and property damage, please read this manual carefully and keep it for future reference.

1.Before first use, please unpack the box, take out the product, and tilt the dehumidifier for at most **45 degrees** to install the casters. Installation completed, please leave the unit standing upright for **2 HOURS** before plugging it in. Please always keep the dehumidifier upright on a flat surface during use.



2.Please inspect if there is component missed or broken before use. If there is, please contact us to get help. If the unit is broken or fails to work under regular service or unintended damage, **please contact us at mailto:uselecci@163.com for help.**

Safety Instructions

Safety Instructions

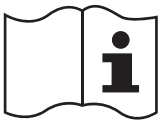
Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
The appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater.
Do not pierce or burn.
Be aware that refrigerants may not contain an odour.



Refrigerant Safety Group A3



Refer operators manual



Read technical manual



Read operators

Qualification of workers
Every working procedure that affects safety means shall only be carried out by competent persons.
Examples for such working procedures are:
• breaking into the refrigerating circuit;
• opening of sealed components;
• opening of ventilated enclosures.
Checks to the area
Prior to beginning work on systems containing FLAMMABLE REFRIGERANTS, safety checks are necessary to ensure that the risk of ignition is minimised.
Work procedure
Work shall be undertaken under a controlled procedure so as to minimise the risk of a flammable gas or vapour being present while the work is being performed.

General work area
All maintenance staff and others working in the local area shall be instructed on the nature of work being carried out. Work in confined spaces shall be avoided.
Checking for presence of refrigerant
The area shall be checked with an appropriate refrigerant detector prior to and during work, to ensure the technician is aware of potentially toxic or flammable atmospheres. Ensure that the leak detection equipment being used is suitable for use with all applicable refrigerants, i.e. non-sparking, adequately sealed or intrinsically safe.
Presence of fire extinguisher
If any hot work is to be conducted on the refrigerating equipment or any associated parts, appropriate fire extinguishing equipment shall be available to hand. Have a dry powder or CO2 fire extinguisher adjacent to the charging area.
No ignition sources
No person carrying out work in relation to a REFRIGERATING SYSTEM which involves exposing any pipe work shall use any sources of ignition in such a manner that it may lead to the risk of fire or explosion. All possible ignition sources, including cigarette smoking, should be kept sufficiently far away from the site of installation, repairing, removing and disposal, during which refrigerant can possibly be released to the surrounding space. Prior to work taking place, the area around the equipment is to be surveyed to make sure that there are no flammable hazards or ignition risks. “No Smoking” signs shall be displayed.
Ventilated area
Ensure that the area is in the open or that it is adequately ventilated before breaking into the system or conducting any hot work. A degree of ventilation shall continue during the period that the work is carried out. The ventilation should safely disperse any released refrigerant and preferably expel it externally into the atmosphere.
Checks to the refrigerating equipment
Where electrical components are being changed, they shall be fit for the purpose and to the correct specification. At all times the manufacturer’ s maintenance and service guidelines shall be followed. If in doubt, consult the manufacturer’ s technical department for assistance.
The following checks shall be applied to installations using FLAMMABLE REFRIGERANTS:
– the actual REFRIGERANT CHARGE is in accordance with the room size within which the refrigerant containing parts are installed;
– the ventilation machinery and outlets are operating adequately and are not obstructed;
– if an indirect refrigerating circuit is being used, the secondary circuit shall be checked for the presence of refrigerant;
– marking to the equipment continues to be visible and legible. Markings and signs that are illegible shall be corrected;
– refrigerating pipe or components are installed in a position where they are

unlikely to be exposed to any substance which may corrode refrigerant containing components, unless the components are constructed of materials which are inherently resistant to being corroded or are suitably protected against being so corroded.

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Checks to electrical devices

Repair and maintenance to electrical components shall include initial safety checks and component inspection procedures. If a fault exists that could compromise safety, then no electrical supply shall be connected to the circuit until it is satisfactorily dealt with. If the fault cannot be corrected immediately but it is necessary to continue operation, an adequate temporary solution shall be used. This shall be reported to the owner of the equipment so all parties are advised.

Initial safety checks shall include:

• that capacitors are discharged: this shall be done in a safe manner to avoid possibility of sparking;

• that no live electrical components and wiring are exposed while charging, recovering or purging the system;

• that there is continuity of earth bonding.

Repairs to sealed components

Sealed electrical components shall be replaced.

Cabling

Check that cabling will not be subject to wear, corrosion, excessive pressure, vibration, sharp edges or any other adverse environmental effects. The check shall also take into account the effects of aging or continual vibration from sources such as compressors or fans.

Detection of flammable refrigerants
Under no circumstances shall potential sources of ignition be used in the searching for or detection of refrigerant leaks. A halide torch (or any other detector using a naked flame) shall not be used.
The following leak detection methods are deemed acceptable for all refrigerant systems.
Electronic leak detectors may be used to detect refrigerant leaks but, in the case of FLAMMABLE REFRIGERANTS, the sensitivity may not be adequate, or may need re-calibration. (Detection equipment shall be calibrated in a refrigerant-free area.) Ensure that the detector is not a potential source of ignition and is suitable for the refrigerant used. Leak detection equipment shall be set at a percentage of the LFL of the refrigerant and shall be calibrated to the refrigerant employed, and the appropriate percentage of gas (25 % maximum) is confirmed.
Leak detection fluids are also suitable for use with most refrigerants but the use of detergents containing chlorine shall be avoided as the chlorine may react with the refrigerant and corrode the copper pipe-work.
If a leak is suspected, all naked flames shall be removed/extinguished.
If a leakage of refrigerant is found which requires brazing, all of the refrigerant shall be recovered from the system, or isolated (by means of shut off valves) in a part of the system remote from the leak. Removal of refrigerant shall be according to Removal and evacuation.
Removal and evacuation
When breaking into the refrigerant circuit to make repairs – or for any other purpose –conventional procedures shall be used. However, for flammable refrigerants it is important that best practice be followed, since flammability is a consideration. The following procedure shall be adhered to:
– safely remove refrigerant following local and national regulations;
– evacuate;
– purge the circuit with inert gas ;
– evacuate;
– continuously flush or purge with inert gas when using flame to open circuit; and
– open the circuit.
The refrigerant charge shall be recovered into the correct recovery cylinders if venting is not allowed by local and national codes. For appliances containing flammable refrigerants, the system shall be purged with oxygen-free nitrogen to render the appliance safe for flammable refrigerants. This process might need to be repeated several times. Compressed air or oxygen shall not be used for purging refrigerant systems.
For appliances containing flammable refrigerants, refrigerants purging shall be achieved by breaking the vacuum in the system with oxygen-free nitrogen and continuing to fill until the working pressure is achieved, then venting to atmosphere, and finally pulling tdown to a vacuum. This process shall be repeated until no refrigerant is within the system. When the final oxygen-free

nitrogen charge is used, the system shall be vented down to atmospheric pressure to enable work to take place. The outlet for the vacuum pump shall not be close to any potential ignition sources, and ventilation shall be available.

Charging procedures

In addition to conventional charging procedures, the following requirements shall be followed.

• Ensure that contamination of different refrigerants does not occur when using charging equipment. Hoses or lines shall be as short as possible to minimise the amount of refrigerant contained in them.

• Cylinders shall be kept in an appropriate position according to the instructions.

• Ensure that the REFRIGERATING SYSTEM is earthed prior to charging the system with refrigerant.

• Label the system when charging is complete (if not already).

• Extreme care shall be taken not to overfill the REFRIGERATING SYSTEM.

Prior to recharging the system, it shall be pressure-tested with the appropriate purging gas. The system shall be leak-tested on completion of charging but prior to commissioning. A follow up leak test shall be carried out prior to leaving the site.

Decommissioning

Before carrying out this procedure, it is essential that the technician is completely familiar with the equipment and all its detail. It is recommended good practice that all refrigerants are recovered safely. Prior to the task being carried out, an oil and refrigerant sample shall be taken in case analysis is required prior to re-use of recovered refrigerant. It is essential that electrical power is available before the task is commenced.

a) Become familiar with the equipment and its operation.

b) Isolate system electrically.

c) Before attempting the procedure, ensure that:

• mechanical handling equipment is available, if required, for handling refrigerant cylinders;

• all personal protective equipment is available and being used correctly;

• the recovery process is supervised at all times by a competent person;

• recovery equipment and cylinders conform to the appropriate standards.

d) Pump down refrigerant system, if possible.

e) If a vacuum is not possible, make a manifold so that refrigerant can be removed from various parts of the system.

f) Make sure that cylinder is situated on the scales before recovery takes place.

g) Start the recovery machine and operate in accordance with instructions.

h) Do not overfill cylinders (no more than 80 % volume liquid charge).

i) Do not exceed the maximum working pressure of the cylinder, even temporarily.

j) When the cylinders have been filled correctly and the process completed, make sure that the cylinders and the equipment are removed from site prompt

ly and all isolation valves on the equipment are closed off.
k) Recovered refrigerant shall not be charged into another REFRIGERATING SYSTEM unless it has been cleaned and checked.

Labelling

Equipment shall be labelled stating that it has been de-commissioned and emptied of refrigerant.The label shall be dated and signed. For appliances containing FLAMMABLE REFRIGERANTS, ensure that there are labels on the equipment stating the equipment contains FLAMMABLE REFRIGERANT.

Recovery

When removing refrigerant from a system, either for servicing or decommissioning, it is recommended good practice that all refrigerants are removed safely.

When transferring refrigerant into cylinders, ensure that only appropriate refrigerant recovery cylinders are employed. Ensure that the correct number of cylinders for holding the total system charge is available. All cylinders to be used are designated for the recovered refrigerant and labelled for that refrigerant (i.e. special cylinders for the recovery of refrigerant). Cylinders shall be complete with pressure-relief valve and associated shut-off valves in good working order. Empty recovery cylinders are evacuated and, if possible, cooled before recovery occurs.

The recovery equipment shall be in good working order with a set of instructions concerning the equipment that is at hand and shall be suitable for the recovery of the flammable refrigerant. If in doubt, the manufacturer should be consulted.

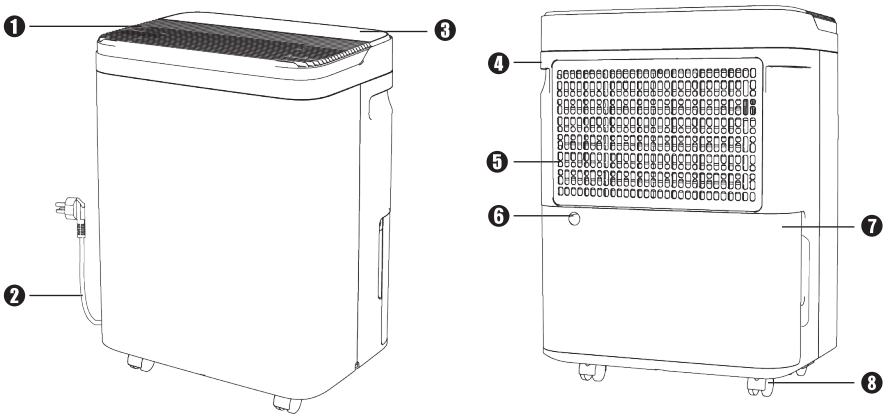
In addition, a set of calibrated weighing scales shall be available and in good working order. Hoses shall be complete with leak-free disconnect couplings and in good condition.

The recovered refrigerant shall be processed according to local legislation in the correct recovery cylinder, and the relevant waste transfer note arranged. Do not mix refrigerants in recovery units and especially not in cylinders.

If compressors or compressor oils are to be removed, ensure that they have been evacuated to an acceptable level to make certain that flammable refrigerant does not remain within the lubricant. The compressor body shall not be heated by an open flame or other ignition sources to accelerate this process.

When oil is drained from a system, it shall be carried out safely.

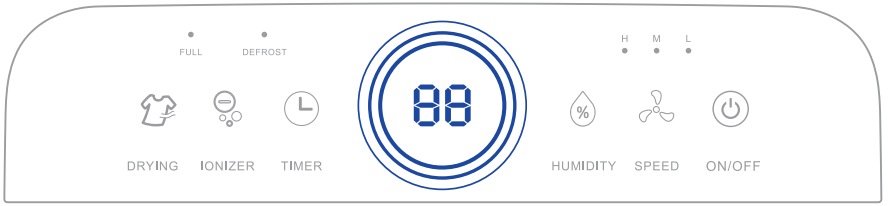
PARTS DESCRIPTION



① **Air Outlet Grille**
② **Power Cord**
③ **Control Panel**
④ **Handle**
⑤ **Filter / Air Intake Grille**
⑥ **Continuous Drainage Hole**
⑦ **Water Tank**
⑧ **Caster**

OPERATION

Plug the unit in after keep it standing upright for 2 hours.



ON/OFF

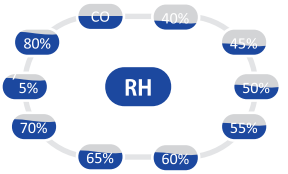
Press ⏻ to turn on the dehumidifier. Press ⏻ the button again to turn off the unit when not in use.

Press to select a fan speed from **L (Low), M (Medium) and H (High)**, and the indicator light will turn on accordingly.

SPEED

HUMIDIT

Turn off DRYING mode, Press to set the humidity level ranging from RH 40% to RH 80% and CO (Continuous Operation) in 5% increments.



Press to set the timing of Auto start or Auto stop from 0 to 24 hours in 1 hour increment.
NOTE: Please make sure the unit is plugged in before setting timing.

TIMER

DRYING

Press to initiate drying mode. This mode defaults to unadjustable CO (Continuous Operation) status and high fan speed.

Press to remove harmful substances created by the electromagnetic wave.

IONIZER

Indicator Lights

Ambient humidity ⩽ 60%

60% < Ambient humidity < 79%

Ambient humidity ⩾ 80%

FULL Indicator Light

When the water tank is full, not in place or taken out, the FULL indicator light will remain red and the unit will beep.



DEFROST Indicator Light

The unit will automatically defrost with the DEFROST indicator light on when the room temperature is lower than 32°F. The unit does not dehumidify under DEFROST mode.



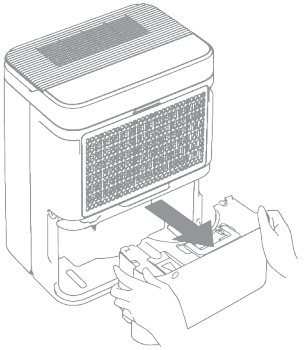
H & M & L Indicator Lights

Controlled by the SPEED button, the three indicator lights show the current fan speed.

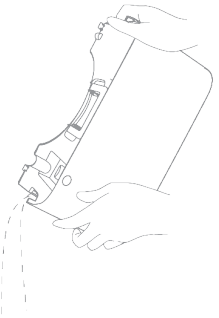


Drainage Methods

Manual drainage

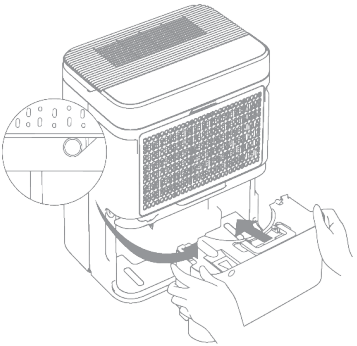


① Hold the tank handle from both sides and pull the tank out from the unit when the unit beeps and the FULL indicator turns on.

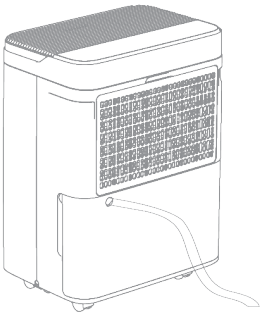


② Pour the water out from the hole on the top of the water tank and then put it back in place.

Continuous drainage



① Take out the water tank and observe the continuous drainage hole.

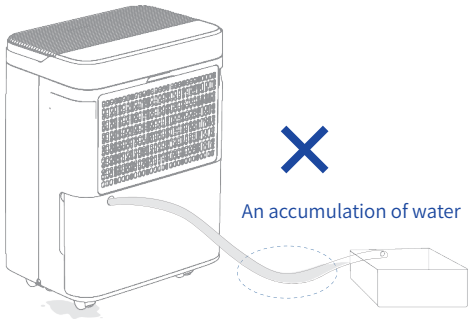


② Plug in the drain hose securely and then put the water tank back in place. Keep the hose downward to ensure proper drainage.

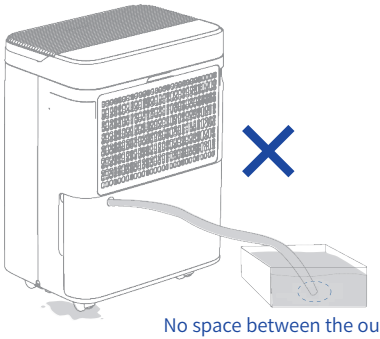
Notice for Continuous Drainage

Wrong Use Methods

① If there is a U shape or a V shape between two ends of the hose, the increasing accumulation of water in the valley may stop water from draining to the water collecting vessel. It eventually leads to a backflow to water tank or a water leak from other lower parts of the appliance.



② If there is no space between the outlet of hose and the water collecting vessel, the increasing pressure of water caused by raising water level may result in a failure of drainage from the appliance. It eventually leads to a backflow to water tank or a water leak from other lower parts of the appliance.

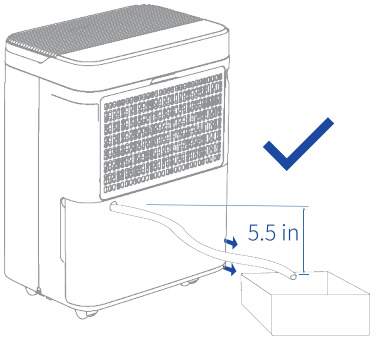


No space between the outlet of hose and the vessel

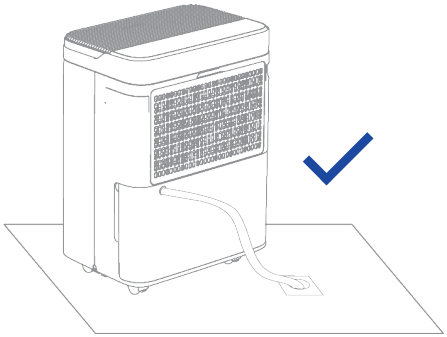
Advised Use Methods

① This method is applicable for external water collecting vessel, please note the following:

1.Keep the hose downward.
2.Make sure the drainage outlet of the appliance is always higher than the maximum water level of the water collecting vessel or water may flow backward.
3.Make sure there is always a height difference of 5.5 in between the outlet of hose and the drainage outlet of the appliance. The outlet of hose should be 5.5 in lower all the time.



② This method is applicable for floor drain. Well connect the hose to the appliance and place the other end to the floor drain.

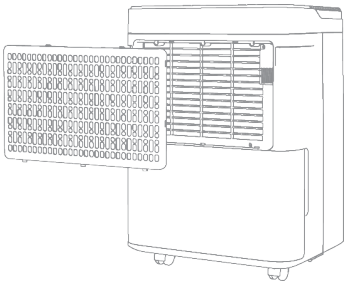


CLEANING & CARE

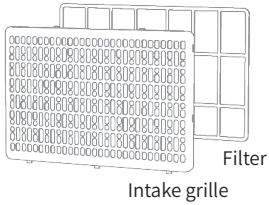
Notice for Cleaning

1、Turn off and disconnect the dehumidifier before cleaning.
2、Clean the dehumidifier 1 hour after turn it off.
3、Do not splash water directly onto the dehumidifier.
4、Clean with a soft cloth. Do not use wax, thinner, or detergents.
5、Clean the air intake grille and air outlet grille with a vacuum or brush.
6、Clean the filter and the water tank every 3-6 months.

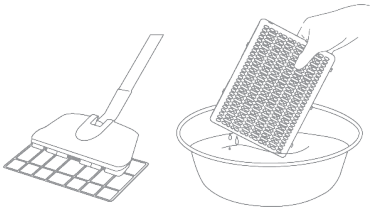
Filter Cleaning



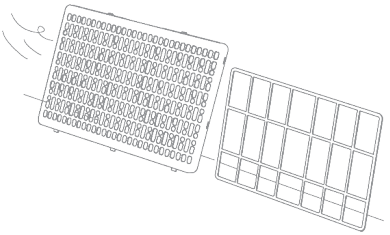
1、Take off the air intake grille on the back of the dehumidifier.



2、Take off the filter on the air intake grille.

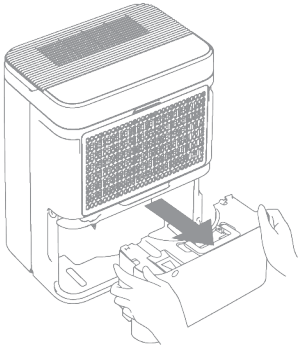


3、Clean the dust on the filter and air intake grille with a vacuum, and then wash them with warm water.

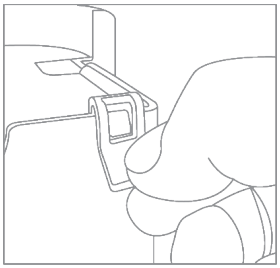


4、Air the filter and the air intake grille and then reinstall them on the dehumidifier.

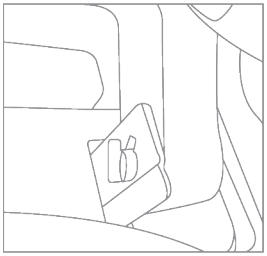
Water Tank Cleaning



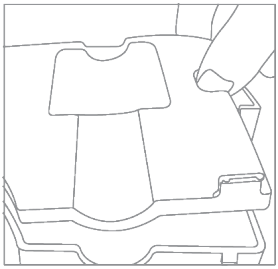
1、Hold the tank handle from both sides to pull out the water tank.



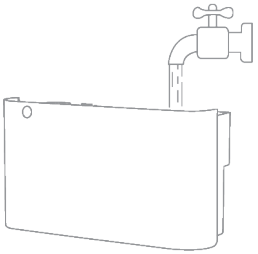
2、Gently unsnap the plastic buckles on both top sides of the tank.



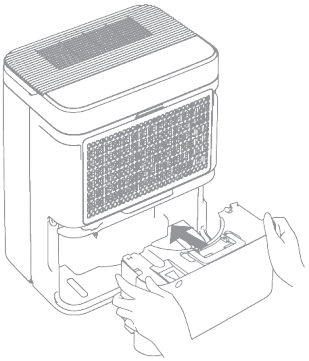
3、Keep the 2 sides of the handle aligned with the 2 holes on the plastic pieces and gently draw it out.



4、Uncover the lid from the water outlet.



5、Rinse the tank with clean water.



6、Dry the exterior of the tank and assemble the parts. First the lid, then the handle and finally the plastic buckles. Assembly done, put the water tank back to the dehumidifier.

Dehumidifier Storing

Please store your dehumidifier when it is not in use for a long while.

1、Turn off and unplug the unit. Then sort out the power cord.
2、Clean the water tank and the filter, and then wipe the unit with a soft cloth.
3、Reinstall the filter and water tank. Cover the dehumidifier with a plastic bag.
4、Put away the dehumidifier. Keep it upright in a dry and well-ventilated place.

TROUBLESHOOTING

General Problems

PROBLEMS	PROBABLE REASONS	SOLUTIONS
The dehumidifier fails to work.	No power supply.	Make sure there is a power supply.
	The “FULL” indicator light is on.	Empty the tank and put it back in place.
	The ambient humidity is l ower than the set humidity.	Reset the humidity to make it lower than the ambient humidity.
The dehumidifier does not dehumidify or does little.	The filter is dusty.	Clean the filter or clear the air intake grille.
	The area is ventilated.	
	The ambient temperature is too low.	Wait until the ambient temperature i ncreases.
There is noise when the dehumidifier is working.	The dehumidifier is not placed on a flat or sturdy surface.	Place it on a flat and sturdy surface.
	The filter is clogged.	Clean the filter.
	The compressor is operating.	Wait for several minutes until the compressor finishes operating.
There is little airflow coming out of the dehumidifier.	The filter is clogged.	Detach and clean the filter.

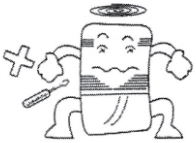
The Display Shows “E1”, “E2” or “H1”.

E1/E2	**The component inside the dehumidifier is under open circuit r short circuit.**
H1	**The indoor temperature is higher than 167°F.**

TROUBLESHOOTING



1 When using the machine, please do not put it on a soft or uneven ground to prevent vibration and movement.



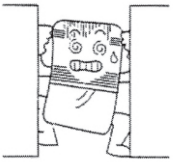
2 Do not insert any thin rods or hard items into the machine to prevent malfunctions and danger.



3 When using the machine, please keep it away from any heating furnaces, electric kettles and other heating sources.



4 When using the machine, please close doors and windows for the optimal moisture removal effect.



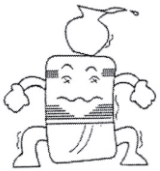
5 Please do not put any objects around the machine. The dehumidification effect will be affected if the ventilation is bad.



6 Please unplug the machine from the power source if you do not use it for a long time.



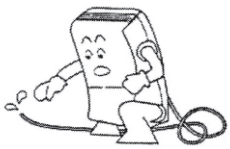
7 When cleaning the machine, please use wet cloth to wipe gently. Do not spray water on it directly.



8 Please do not put any objects on the dehumidifier.



9 Please clean the filter every two weeks. Do not use hot water above 104°F, alcohol, gasoline or toluene.



10 When using the hose to drain continuously, please place the hose horizontally and make sure it is even and not winded.



11 After cleaning the filter, please do not dry it under direct sunlight to prevent it from deforming.



12 Before moving or carrying the machine around, please empty the water tank first.

Basic Parameter Information

Product Model	AP20-2007EE
Power Supply	115V~60Hz
Moisture Removal (65°F,60%RH):	13.5Pt/D (6.4L/D)
Moisture Removal (80°F,60%RH):	21.7Pt/D (10.3L/D)
Moisture Removal (86°F,80%RH):	39Pt/D (18.5L/D)
Highest Moisture removal:	50Pt/D (23.7L/D)
Rated Power / Current	174W/ 1.87A
Operating Ambient Temperature	41-86°F
Compressor	Reciprocating
Refrigerants	R290/85g
Water Tank Volume	4.8L
Product Weight	31.75lb
Form Factor	38×26.8×52cm
Remark	If the technical parameters are subject to change, the nameplate shall prevail

ELECCI

ELECCI

订单号	YC0992601003
文件名称	ELECCI 2007EE说明书
更新时间	20260306
版本号	V-0.0.0
尺寸规格	143×210mm
材质	128g铜版纸
印刷要求	彩印 上油