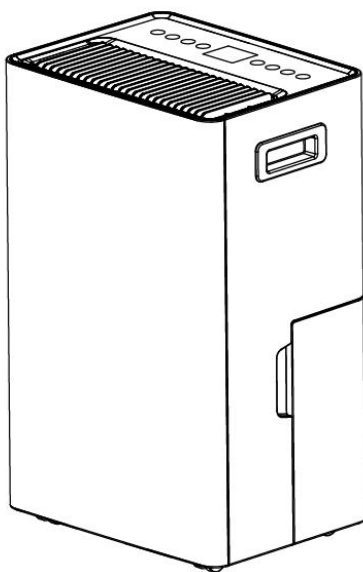


DEHUMIDIFIER

USER MANUAL

PD8R-03AE-F



Please read this manual before use.

Manufacturer's / Importer name:

Address:

WARNING

The red color mark on the refrigerant servicing port need to be replaced when service puncturing.

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 bur.

Be aware that refrigerants may not contain an odour.



SAFETY INFORMATION

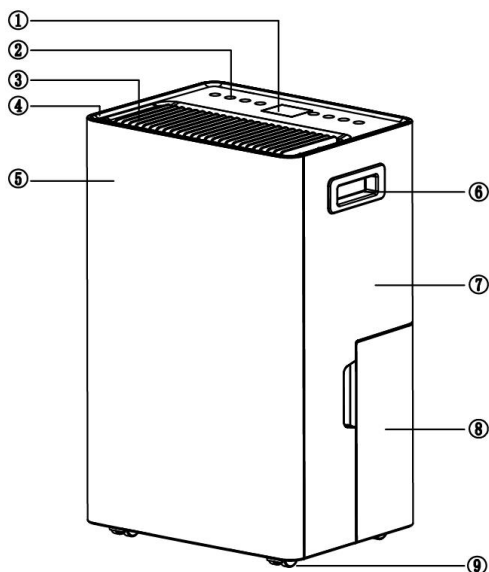
1. Please read the manual carefully before the first time using this product, and storage the unit in safe place to avoid electricity leakage, flaming or person injure.
2. Do not put this product in the water or any other liquids.
3. Stop using this appliance in below situations, or the product might be damaged: power cord and wire is broken, the unit is dropped or break down.
4. Please ask professional service agent to repair the product. Improper repair might cause damage to users.
5. Disconnect the appliance from power supply before moving or cleaning the product, and also when the product is not in used.
6. Please operate the product with specified electricity voltage.
7. Please use this product only for household appliance and follow the designed purpose.
8. Do not put any stuff on the product.
9. In order to avoid water leakage, please clean the water tank before moving the product.
10. Do not incline the product, or leaking water may damage the product.
11. 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.

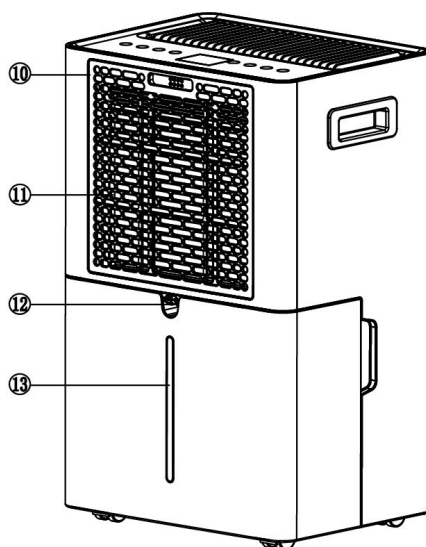
12. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.
13. Children should be supervised to ensure that they do not play with the appliance
14. Please keep the product from the wall or other barriers in a minimum distance of 50 cm.
15. The applicable operating temperature range for this unit is **41-95°F**.
16. Please install the appliance following the country wiring laws.

OPERATING INSTRUCTION

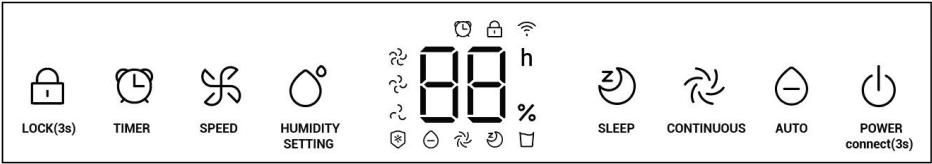
1. Digital Display
2. Control panel
3. Air outlet
4. Top Cover
5. Front Case
6. Handle
7. Back Case
8. Water tanks
9. Castors



10. Filter Case
11. Air Inlet
12. Drain Hole
13. Water level window



CONTROL PANEL DESCRIPTION



Digital Display Window Indicator Instructions

Indicator light icon	indicator light color	Indicator description
	White	Displays ambient humidity, set humidity, hour, and error code
	White	Humidity setting mode
	White	Continuous
	White	Sleep
	White	High fan
	White	Mid- fan
	White	Low fan speed
	White	Defrost
	White	Timer
	White	Child lock
	White	Networking
	White	Time set (hour).
	White	Humidity unit
	Red	Water tank full

OPERATING INSTRUCTION

1. **Power button** :

Press this key to turn "on" and "off" the unit

2. **AUTO button** :

Default power on - [Auto mode: 40%].

- a. You can set the humidity by yourself, press the "humidity setting button" to adjust the operation, please refer to the "humidity button" Instructions.
- b. When the indoor humidity is lower than the set humidity, the compressor will stop running and the fan will continue to run. When the indoor humidity is higher than the set humidity, the compressor will operate again.

3. **Continuous button** :

The machine enters the continuous operation state, and the wind speed is set to high speed and cannot be adjusted.

4. **Sleep button** :

- a. The machine enters the continuous operation state, and the wind speed is set to low **speed** and cannot be adjusted.
- b. All patterns and **indicators** will reduce brightness.
- c. After opening the sleep mode, press any key to wake up, and all patterns and fingers will be restored, after waking up indicates the brightness of the lamp. If no operation is performed within 30 seconds after awakening, the brightness will be reduced

again.

- d. After waking up, press the mode button again within 30 seconds to leave sleep mode.

5. Humidity setting key :

- a. It can be operated only in [Humidity Setting] mode.
- b. Set the desired humidity. Set the humidity in the order: 30% > 35% > 40% > 45% > 50% > 55% > 60% > 65% > 70% > 75% > 80% > 85% > 90%, this cycle.
- C. Press and hold for 1 second to change the humidity.

6. Fan speed button :

Press speed button, High fan.→Mid-fan→Low fan. By default,the fan speed is middle, the corresponding indicator will light up.

7. Timer key :

- A. Set an appointment to turn on or off time (1-24 hours), when there is a set appointment time, timing pattern steady on.
- Note: When the set time is 0 hours, it is regarded as the shutdown time.
- b. In the off state, set the time for scheduled startup, and in the on state, scheduled shutdown.
 - c. Hold down for 1 second to change the setting time continuously.
 - d. Press the power button before the set time, the set time will be cancelled
 - e. In the startup state, the display will return the ambient humidity after the time is set.

8. Lock key :

Long press [lock Key] for 3 seconds, the lock function is opened,

the lock pattern is steady on, and all keys are invalid. Long press [lock button] again for 3 seconds to turn off the lock function, the lock pattern is extinguished, and all keys return to normal operation.

9. Distribution network

(please keep the phone in the Wi-Fi connected state)

- a. After power is on, the device is in the distribution network state. When connecting to the network, the Wi-Fi light begins to blink . After work, the Wi-Fi pattern is steady on; The connection failed, and the Wi-Fi pattern went out.
- b. If you cannot connect to the network, please confirm the WIFI signal strength before manually distributing the network.
- c. Manual network distribution: After the device is powered on, hold down the power button for 3 seconds to enter the manual network distribution mode, and the Wi-Fi module reloads new and device connection.

10. Water full indication

When the water full pattern lights up, it means that the water is full, the whole machine stops running, and the water tank is emptied, and then the machine starts running.

11. Defrosting tips

When the defrosting indicator is on, it indicates that the defrosting action begins, the compressor stops running, and the fan continues to run.

WARNING

1. When operating the dehumidifier, please do not set the humidity higher than ambient humidity.
2. When “Water Full” indicating light illuminates, please pour the water out of the tank and put it back. Then the product will resume working.
3. When the product shut down, please wait at least 3 minutes before restarting the unit to prevent damaging the compressor.
4. The applicable operating temperature range for this unit is 41-95°F.
5. If the dehumidifier can't start (the operating light does not illuminate), or the dehumidifier shut down unreasonably, please make sure whether the plug is connected firmly to power supply. If the plug and power supply are in normal condition, please wait for 10 minutes before restarting the unit (the unit takes 10 minutes to reposition). Please ask your local distributor service station to repair if the unit still cannot be turned on after 10 minutes.
6. When the dehumidifier is operating, it's normal that the working compressor cause some heat and bring the ambient temperature up.
7. When the product is defrosting, the related indicating light illuminates. The compressor stops while defrosting but the motor keeps running.
8. The unit shows the ambient humidity when it's operating. If the ambient humidity is higher than RH90%, the display shows “HI”; if the ambient humidity is lower than RH30%, the display shows “LO”
9. Qualification of the working personnel formaintenance,service and repair operationsshould according to UL 60335-2 -40、CAN/C-SA-C22.2 No.60335-2-40:22 Annex HH.Every working procedure that affects safety means shall only be carried out by compe-tent persons according to Annex HH. Specialtraining additionalto usual refrigerating equip.ment

repair procedures is required when equipment with FLAMMABLE REFRIGERANTS is affected.

10. 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.

DRAINING INSTRUCTION

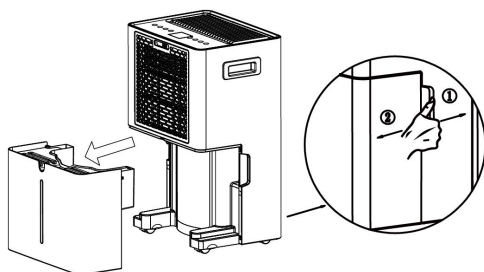
Draining water can be storage in the water tank, or be continuous drained by PVC tube.

(The PVC tube is not included in the product.)

USAGE OF WATER TANK

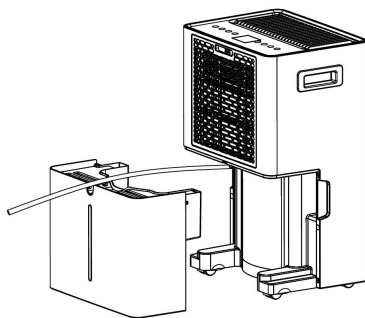
When dehumidifying, the condensing water would be drained into water tank. The unit stops working and illuminates the indicating light when the water tank is full of water. Please pour out the water that time.

1. To take out the water tank, please put the thumb on point ①, and use other fingers to pull the tank as ② direction. After taking out the tank, please pour the water out.
2. Put the water tank back.
3. Press Power key to turn on the unit.



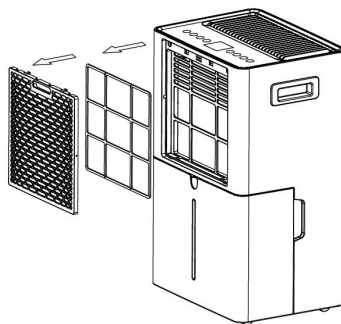
Water tank cover installation

As shown in the following steps, first place the water tank cover at an Angle under the water tank clip position (as shown in the steps ②), and then lower the water tank cover to position 1 and 2 as shown in the enlarged figure of the step ③.



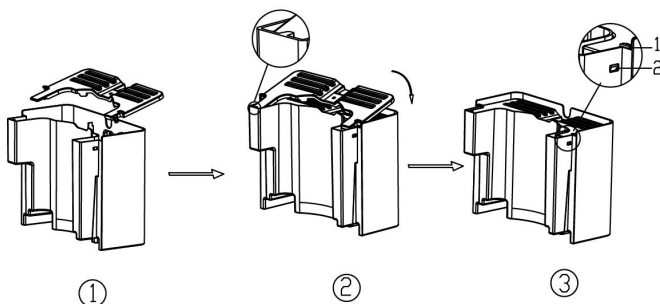
CONTINUOUS DRAINAGE

1. Please take out the water tank to plug a PVC tube to draining hole. Then, put the water tank back to enjoy the continuous draining.
2. Draining tube should be lower than draining hole to let water flow out.



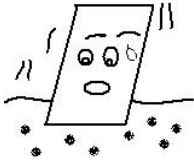
FILTER REMOVAL

1. Take the filter case and filter out together.
2. Remove the filter from filter case.
3. Wash the filter with cool water (cooler than 104°F) every two weeks, and put filter back after it air-dried naturally.

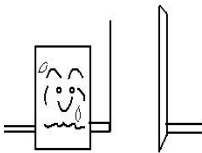


MAINTENANCE INSTRUCTION

- 1.The unit is not allowed to be placed on surface which is soft or not flat. To avoid the operating unit causes noise, vibration, and water/ electricity leakage.
- 2.Never insert any slim rod or hard stuff into the unit which may damage the unit.
- 3.Please disconnect the power cord to the power supply when you turn off the unit or intend to stop using for long time.



- 4.To improve the performance of dehumidifier, please keep the unit in open place, away from barriers which may block the air.
- 5.Please wash the filter with cool water (lower than 104°F) every two weeks. (Note: Never use gasoline, alcohol or hot water to wash the filter.)



Troubleshooting

1. Information on servicing

1) 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. For repair to

the refrigerating system, the following precautions shall be complied with prior to conducting work on the system.

2) 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.

3) 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 flammable atmospheres. Ensure that the leak detection equipment being used is suitable for use with flammable refrigerants, i.e. non-sparking, adequately sealed or intrinsically safe.

4) Presence of fire extinguisher

If any hot work is to be conducted on the refrigeration 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.

5) No ignition sources

No person carrying out work in relation to a refrigeration system which involves exposing any pipe work that contains or has contained flammable refrigerant 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 flammable 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.

6) 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.

7) Checks to the refrigeration 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 charge size 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;
- Refrigeration 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.

8) 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 there no live electrical components and wiring are exposed while charging, recovering or purging the system;
- That there is continuity of earth bonding.

2. Repairs to sealed components

- 1) During repairs to sealed components, all electrical supplies shall be disconnected from the equipment being worked upon prior to any removal of sealed covers, etc. If it is absolutely necessary to have an electrical supply to equipment during servicing, then a permanently operating form of leak detection shall be located at the most critical point to warn of a potentially hazardous situation.
- 2) Particular attention shall be paid to the following to ensure that by working on electrical components, the casing is not altered in such a way that the level of protection is affected. This shall include damage to cables, excessive number of connections, terminals not made to original specification, damage to seals, incorrect fitting of glands, etc.

Ensure that apparatus is mounted securely.

Ensure that seals or sealing materials have not degraded such that they no longer serve the purpose of preventing the ingress of flammable atmospheres. Replacement parts shall be in accordance with the manufacturer's specifications.

NOTE: The use of silicon sealant may inhibit the effectiveness of some types of leak detection equipment. Intrinsically safe components do not have to be isolated prior to working on them.

3. Repair to intrinsically safe components

Do not apply any permanent inductive or capacitance loads to the circuit without ensuring that this will not exceed the permissible voltage and current permitted for the

equipment in use.

Intrinsically safe components are the only types that can be worked on while live in the presence of a flammable atmosphere. The test apparatus shall be at the correct rating. Replace components only with parts specified by the manufacturer. Other parts may result in the ignition of refrigerant in the atmosphere from a leak.

4. 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.

5. 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.

6. Leak detection methods

The following leak detection methods are deemed acceptable for systems containing flammable refrigerants.

Electronic leak detectors shall be used to detect flammable refrigerants, but 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 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. Oxygen free nitrogen (OFN) shall then be purged through the system both before and during the brazing process.

7. Removal and evacuation

When breaking into the refrigerant circuit to make repairs – or for any other purpose –conventional procedures shall be used. However, it is important that best practice is followed since flammability is a consideration. The following procedure shall be adhered to:

- Remove refrigerant;
- Purge the circuit with inert gas;
- Evacuate;
- Purge again with inert gas;
- Open the circuit by cutting or brazing.

The refrigerant charge shall be recovered into the correct recovery cylinders. The system shall be “flushed” with OFN to render the unit safe. This process may need to be repeated several times. Compressed air or oxygen shall not be used for this task. Flushing shall be achieved by breaking the vacuum in the system with OFN and continuing to fill until the working pressure is achieved, then venting to atmosphere, and finally pulling down to a vacuum. This process shall be repeated until no refrigerant is within the system. When the final OFN charge is used, the system shall be vented down to atmospheric pressure to enable work to take place. This operation is absolutely vital if brazing operations on the pipe-work are to take place. Ensure that the outlet for the vacuum pump is not close to any ignition sources and there is ventilation available.

8. 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 upright.
- Ensure that the refrigeration 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 refrigeration system. Prior to recharging the system it shall be pressure tested with OFN. 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.

9. 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 reclaimed 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 manufacturer's 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 promptly and all isolation valves on the equipment are closed off.
- k) Recovered refrigerant shall not be charged into another refrigeration system unless it has been cleaned and checked.

10. Labelling

Equipment shall be labelled stating that it has been de-commissioned and emptied of refrigerant. The label shall be dated and signed. Ensure that there are labels on the equipment stating the equipment contains flammable refrigerant.

11. 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 flammable refrigerants. 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. Before using the recovery machine, check that it is in satisfactory working order, has been properly maintained and that any associated electrical components are sealed to prevent ignition in the event of a refrigerant release. Consult manufacturer if in doubt.

The recovered refrigerant shall be returned to the refrigerant supplier 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 evacuation process shall be carried out prior to returning the compressor to the suppliers. Only electric heating to the compressor body shall be employed to accelerate this process. When oil is drained from a system, it shall be carried out safely.

Fuse parameters of the machine

Type: 524 or 5 H Voltage: 250V Current: 3.15 A

TROUBLE SHOOTING

Problems	Cause of problem	Solution
E1	Temperature sensor error	Contact the distributor service station

SPECIFICATIONS

Model	PD25R-06CE
Specification	
Power Supply	120V~60Hz
Rated Power	235W
Total Input Rated Current	2.17A
Rated Capacity(65°F ,60%RH)	15Pints/Day
IEF(65°F ,60%RH)	1.3 L/kWh
Motor FLA	1.09A
Motor Compressor	RLA:2.04A LRA:7.5A
Refrigerant	R290/46g(1.62oz)
Maximum Allowable Pressure	5.0MPa
Maximum Operating Pressure High	2.5MPa
Maximum Operating Pressure Low	1.5MPa
Dimension (W x D x H) mm	314Wx235Dx500H
Applicable temperature	41-95°F

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference

received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could

void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device,

pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection

against harmful interference in a residential installation. This equipment generates uses and can radiate

radio frequency energy and, if not installed and used in accordance with the instructions, may cause

harmful interference to radio communications. However, there is no guarantee that interference will not

occur in a particular installation. If this equipment does cause harmful interference to radio or television

reception, which can be determined by turning the equipment off and on, the user is encouraged to try to

correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator &

your body