

KESNOS

Home Dehumidifier

Please read the manual carefully
before using the unit

PD220B

USER MANUAL

FOR CUSTOMERS

Thank you for purchasing our dehumidifier.

Kesnos wishes that our products and services can bring convenience to your work and life. We highly recommend that you keep the manual for reference if you encounter unexpected events using the unit. Please read the manual carefully to ensure the proper use of the dehumidifier.

Our company's dehumidifiers are widely used in family bedrooms, bathrooms, basements, offices, storage rooms, etc.

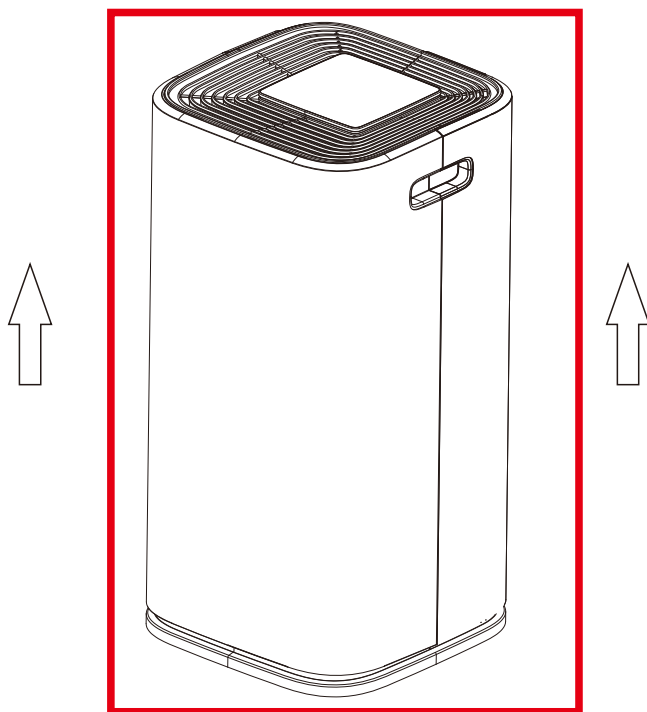
The dehumidifier from **Kesnos** operates quickly and efficiently to reduce room's humidity and bring you a healthy and comfortable life.

To Access Customer Support Faster

If there is any problem of the product, please contact Kesnos Customer Service at support@kesnos.com with your purchase Order ID to help us address the problem faster.

BEFORE FIRST USE:

To prevent any internal damage, it is very important to keep refrigeration units (like this one) upright throughout their journey. Please leave it standing upright and outside the box for **24 HOURS** before plugging it in.



需工厂替换成220B产品直立的图片

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Statement

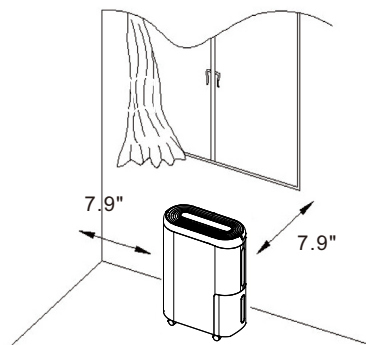
The graphics and functions provided in this manual may not be the same as the actual product. Please always refer to the actual product. The model of the machine on the manual is for reference only. Please operate the machine based on the actual product. The right to interpret the relevant terms belongs to the company.

PRECAUTIONS FOR USE

Safety notes:

For your safety, please read the manual carefully and keep the manual to serve as a reference for product usage. This product is for home use only. Please use this product according to the installation and operation of this manual.

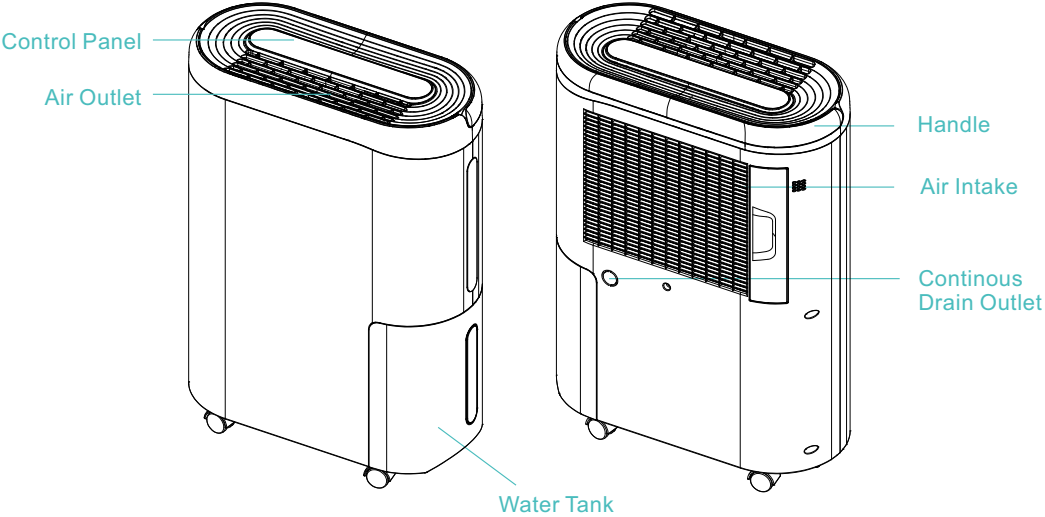
- Before cleaning the dehumidifier, turn off the power and unplug it from the power outlet.
- Please do not place the machine near heat or flammable dangerous goods.
- Do not insert your fingers or sticks into the air inlet or outlet.
- Always keep the machine on even surfaces, avoid placing the machine on uneven or sloping ground.
- Do not spray water, insecticides or flammable liquids on the unit.
- This machine should not be placed in a confined and narrow space.
- When the power cord is damaged, it must be replaced by a technician approved by the company.
- When using the dry clothes function, the clothes should be kept at least 15.7inches away from the air outlet to prevent water from entering the machine and damage the machine.
- The machine power wiring must be in accordance with national wiring rules, and, power line should be connected to the reliable external Naught wire.
- The fixed wiring of the machine connection must be equipped with an all-pole disconnect device (air switch) with at least 0.118inches contact opening distance
- Model specification of safety tube: 3.15A
- This dehumidifier is designed to operate with a working environment between 41°F (5°C) and 95°F (35°C).
- When using dehumidifier, other objects surrounding the machine at least need to keep a distance of 7.9inches(20cm). As the picture show:



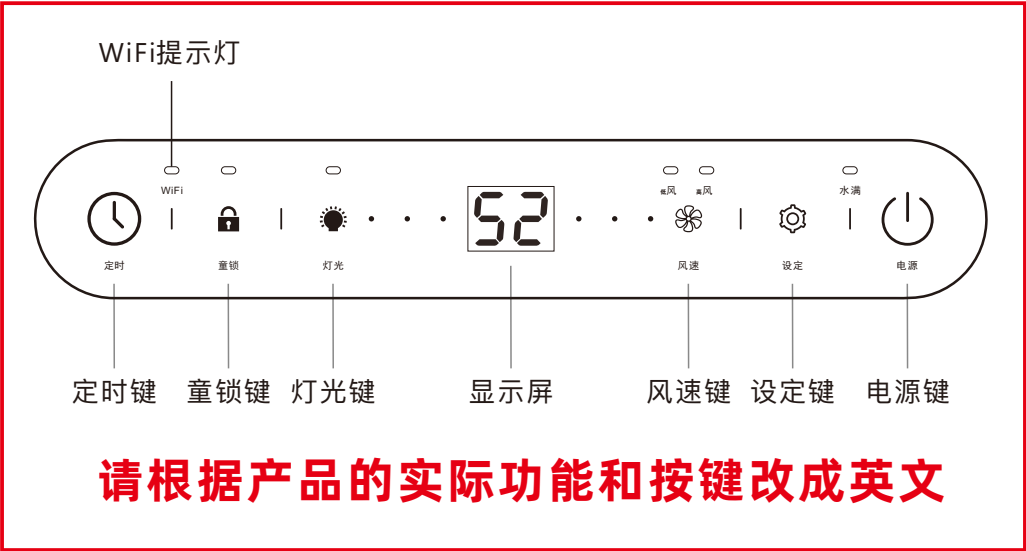
Parts
Description


Front

Rear




1. Control Panel






Timer Button

Press to initiate the auto start and auto stop feature




Power Button

Press to turn the dehumidifier on and off




Child Lock

Press the button and hold for 2 seconds and the control panel will be locked




Dehumidify Button

Control the humidity setting up/down



Lighting Button

Control the LED panel's light on/off



Speed Button

Control the fan speed

2.Setting

Setting Humidity

The humidity level can be set within a range of 30%RH to 80%RH in 5% increments.

- -When it starts work, it will first automatically detect and show the room's humidity . In dehumidification mode (other modes are invalid), Press the "Dehumidify" button to change the humidity selection in 5% increments. "88" Flash and show the setting humidity.

When the "88" flashing , you can set the humidity within a range of 30%RH to 80%RH in 5% increments. Press "Dehumidify Button" to make the humidity setting increase by 5%RH.

After you don't operate the machine 5S, "88" the will show the actual room humidity.

- -When the humidity level is higher or drops to the level you have set, the dehumidifier will automatically begin to work or stop.
- -When the humidity level is set at 30%RH, the dehumidifier will be work at continuous dehumidifying mode.

Timer Setting

This setting is to set when to turn on or turn off the machine automatically.

When the machine is on Power OFF Status, the timer you set is for when to turn on the machine; When the machine is on Power ON Status, the timer you set is for when to turn off the machine;

1. Press the "TIMER" button to select the timer by 1-hour increments.
You can set the timer up to 24 hours. It will start to do the countdown when you start the timer.
2. Press and hold the "TIMER" button for several seconds to make the selection of the timer faster.
3. If the time is set to 00, this is called the invalid time.
4. If you set the timer successfully, the light "🕒" will light up. The led screen will show several seconds time, and show the current humidity.

Speed Button

Controls the fan speed. Press to select either High or Low fan speed. Higher fan speed will result in quicker moisture removal. Set the fan control to High for maximum moisture removal. When the humidity has been reduced and quiet operation is preferred, set the fan control to Low.

Light Function Settings

1. In the power on state, press the [Lighting] button to make the backlight on and press the button one more time to make the backlight off.
2. If the light function is turned on except the "Power" button and the "Lighting" button on, other backlight indicators are turned off.



LOCK(2S)

When the unit is turned on, press "LOCK" and hold on for 2 seconds, the control panel will be locked together with the other buttons. To unlock the control panel, press and hold the "LOCK" button again for 2 seconds.

Power Off Memory Function

- The device automatically restores the working state after power on.
- If the device is turned on and a power interruption occurred, after starting the unit again, it will keep the parameters or settings that was setup.
- If the device is turned off and power interruption occurred, the device will still be in a power off status when turned on.

Overflow Protection

When the bucket full of water, the machine will turn off automatically. The indicator light  will flash. After you empty the water from the bucket the indicator light  will turn off. The machine will restart to work.











Auto Defrost Feature

When the dehumidifier is running at a lower temperature, the system will automatically determine whether there is a presence of frost. If the machine determines there is a presence of a frost, it will defrost automatically.

Defrost Action

The fan runs at high wind speed when the compressor stops.

3. Display Status Description

- When the device is currently powered on, when turning it off only the "POWER" will light up indicating device is in "Standby" status.
- Timer indicate light “”: If the timer is setup properly, the indicator will light up, when the timer is not setup properly the indicator light will be showing off.
- The lighting button “”: When use the light up function the light will up, if don't use the light will off.
- High- speed indicate light “”: If you set the unit to high speed fan mode, it indicator will light up.
- Low-speed indicate light “”: If you set the unit on low speed fan mode, it indicator will light up.
- Dehumidify mode light indicator “ DEHUMIDIFY ”: When the machine starts to dehumidify, the indicator light will be showing.
- Dry clothes light indicate “ DRY CLOTHES ”: when dry clothes mode is selected, it will be on, otherwise it will be off.
- Water full light indicator “ ”When the water tank or bucket is full, this indicator will be flashing.
- LOCK indicator light “”: The indicator will light up if the control panel is locked successfully, if not the indicator will not show up.
- In the instance of having problems, the device will alarm and " " it will flash and show the error or fault code.
(The alarm error or fault code and the humidity rotation will appear)
- When the dehumidifier working normally "  ", will show the current humidity.

备注：请根据实际状态显示检查上面的显示图标是否正确，如果不正确，请更正

4. Instructions for Drying Clothes

The dehumidifier can be used for drying clothes in rainy weather.

Step 1.

Hang the washed clothes in a small space such as cloakroom, bathroom, or storage room.

Note: Keep away the unit from the water drip from the washed clothes.

Step 2.

Open the dehumidifier and set the humidity level at 30%RH. It is best if you let the air outlet of the dehumidifier to blow air to the clothes directly.

1. The drying effect will vary from the thickness of clothes, the number of clothes and the size of the drying space. Theoretically, the effect will be better when clothes are few, thin and space is small.

2. The drying process would take 3-8 hours, and we suggest that continuous drainage mode is more suitable when drying clothes.

5. Error&Protection Code

Number	Error Code	Name of the Fault	Note
1	E1	Humidity sensor error	
2	E2	Defrost temperature sensor error	
3	E4	Temperature sensor error	
4	E7	Bucket is full, empty the bucket	

备注：请根据实际产品检查是否有E7提示，如果没有，则这行删除

Attention

When the machine signals the alarm, it will flash or display the alarm, in case there are multiple error on the unit, it will show the error in a turn display behavior.

1. If the display reads "E1", "E2" or "E4" error codes, please turn off and unplug the unit, and check for any obstructions. Plug it in again and restart the dehumidifier.
2. When one of the above malfunctions occurs, the buzzer will alarm for a few seconds. Press any key during the alarm to release the alarm sound. If the malfunction is still present, please don't hesitate to contact Kesnos Customer Service email: support@kesnos.com for help.

Note:

Before starting the machine, please ensure that the air outlet has been opened, otherwise the machine will overheat. Do not pull out the power cord directly to stop the machine.

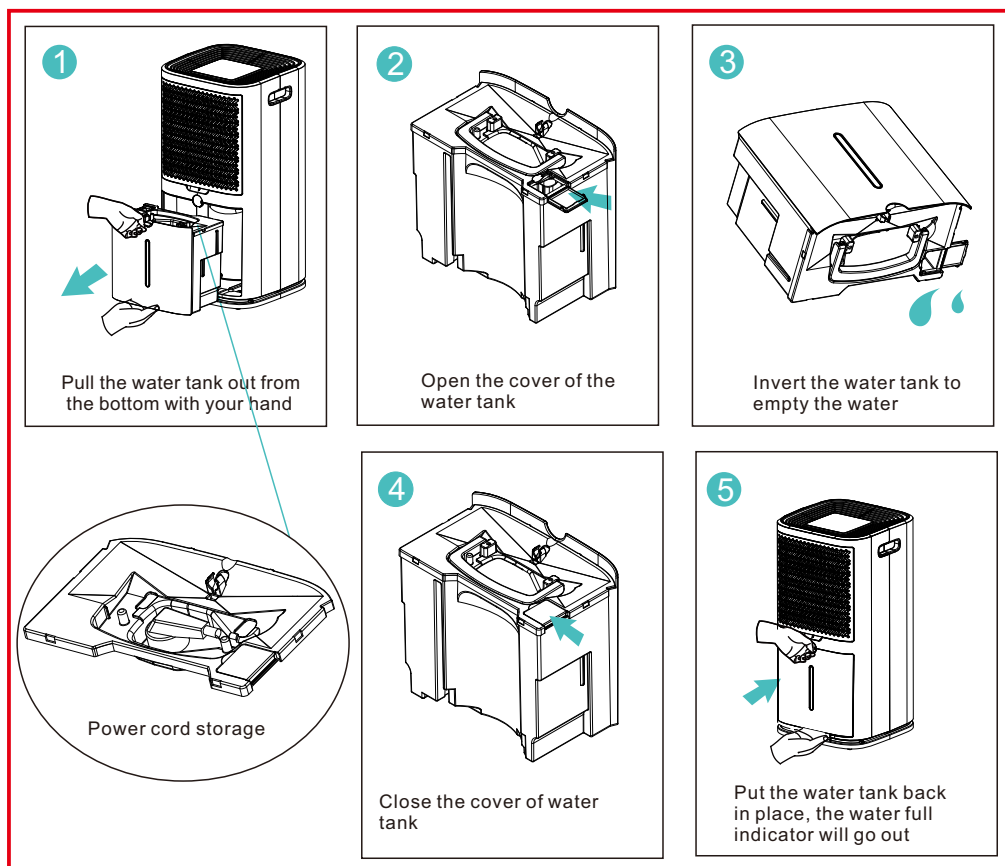
6. Empty the Tank or Bucket

There are two ways to remove collected water.

Use the Bucket

When the water tank is already full, the Full Tank Alert indicator will light up, the dehumidifier will automatically shut down until the tank has been emptied and placed back to the unit.

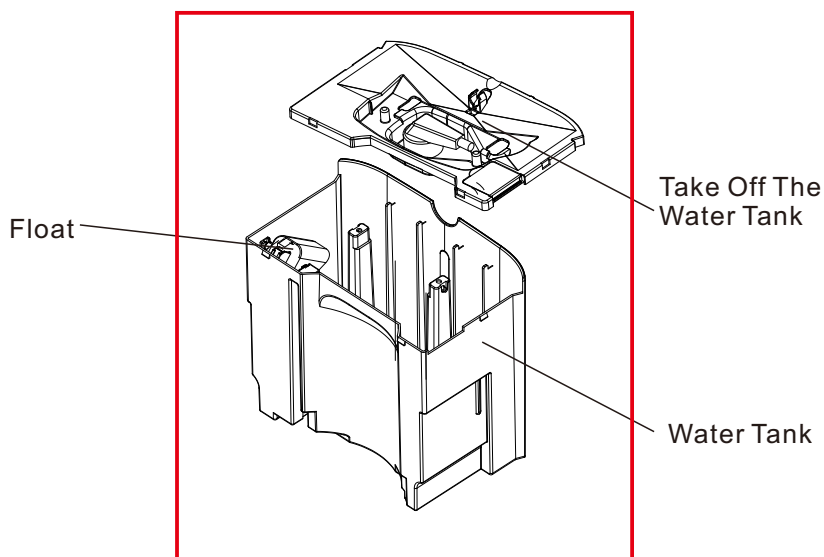
Ways to Empty the Water Tank



备注：请换成220B产品实际结构图

Note:

- Do not remove the float from the water tank. If the float in the water tank is removed, the sensor may not be able to determine the water level stored in the tank properly that may lead to water overflow leak from the water tank.
- If the water tank is dirty, just use cold water or warm water to clean it. Do not use detergent, steel wool, chemically treated dust cloth, gasoline, benzene, thinner or other solvents. Otherwise, it may damage the water tank and cause it to leak.
- When placing back the water tank, use your hands to press the tank back in its place. If the water tank is not placed properly, sensors or protections from water overflow may not operate as expected.

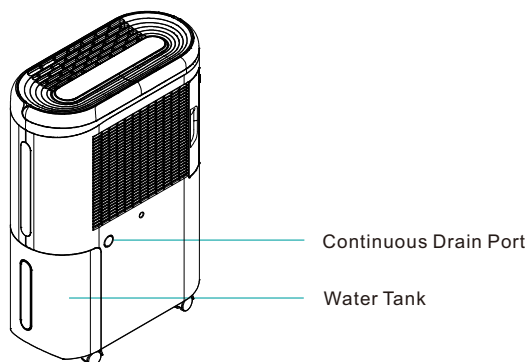
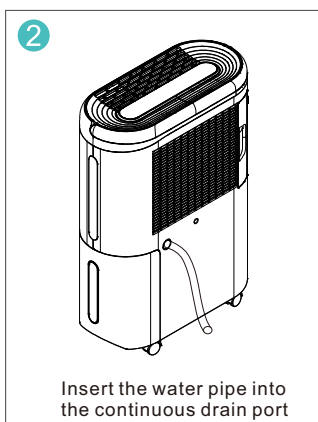
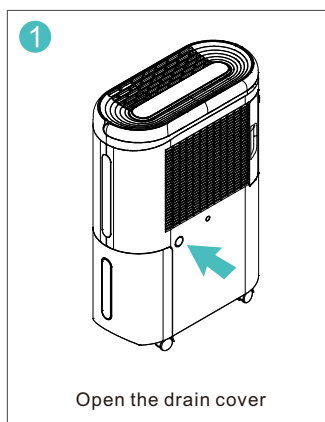


备注：请换成220B产品实际结构图

备注： 请检查下排水口直径是否正确

7. Continuous Drainage

Remove the power supply, take out the water tank, open the drain cover, insert the water pipe into the continuous drain port and push it back into the water tank. Connect the drain hose supply to start the operation. The water outlet of the water pipe should be lower than the continuous drainage port by more than 3.9inches(10cm), and the water pipe cannot be bent.(Note: The continuous drain port diameter is **0.63 inch(16mm).**)



CLEANING AND MAINTENANCE

⚠ WARNING:

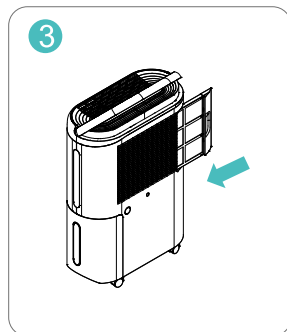
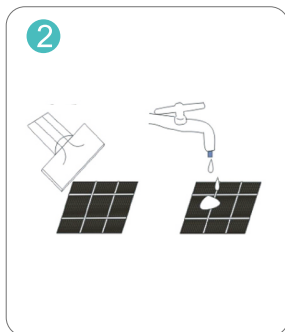
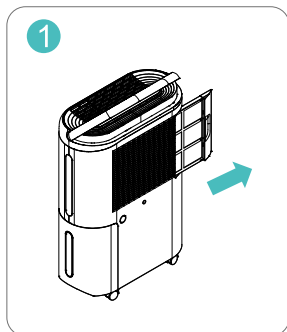
Turn the dehumidifier off and remove the plug from the wall outlet before cleaning.

A- Cleaning the dehumidifier body

Please use only a soft and a bit wet textile or cloth to clean it.

B- Cleaning filter

- 1 Pull out the filter.
- 2 Clean the filter: Use a vacuum cleaner to gently remove the dust from the surface of the filter. If the filter is very dirty, wipe it with warm water and a mild detergent and dry it completely.
- 3 Slowly insert the filter back into the fuselage.



C-Dehumidifier storage

When you want to store the dehumidifier because you don't use it for a long time. Please pay attention to the following steps:

1. Empty the water in the water tank.
2. Roll up the power cord and tie it up.
3. Clean the filter.
4. Place the machine in a cool and dry environment.

TROUBLESHOOTING

Check the information below for troubleshooting steps that will save you time to resolve issues that may happen with the unit. The list includes most common issues. Listed below are not result of defective unit, crafts or materials in the unit. If all troubleshooting steps has been exhausted and issue is still occurring, feel free to get in touch with Kesnos Customer Service to get further assistance.

Problem	Cause	Solution
Dehumidifier does not work	The power cord is unplugged.	Make sure that the unit's plug is inserted properly into the power outlet.
	Is the TankFull indicator blinking? (The tank is full or in a wrong position.)	Empty the water in the water tank and then reposition the tank.
	Is the room temperature above 95°F (35°C) or below 41°F (5°C).	This product does not apply to over hot or cold environment, the machine will automatically protection, it is a normal phenomenon.
	Is the room temperature between 41°F(5°C) and 68°F(20°C) ?	When running under lower ambient temperature, the machine will automatically defrost, it is a normal phenomenon. Wait until the defrost process finish, it will restart dehumidifying again.
	The dehumidifier is in the defrosting process.	It is normal the compressor ceases while defrosting process. Wait until the defrost process finish, it will restart dehumidifying again.
	Does the room humidity is lower than or reach the preset humidity level? (The room humidity has reached the preset humidity level, the dehumidifier enters into Standby Mode and the the LCD and indicators will flashing.)	Please set the humidity 5% decrease by degrees than the room humidity or set the humidity to 30%.

TROUBLESHOOTING

	There is prevent frequent start function in the machine. Dose the machine stop working just now?	Please wait for more than 3 minutes.
	Room humidity is low.	The dehumidifier is designed to work in the humidity rane of 30%-80%.Above or below the work humidity range, it will not work.
Dehumidifier does not dry the air as it should	The air filter is dirty.	Clean the air filter.
	Is the air inlet or air outlet obstructed?	Remove the obstruction from the air inlet or outlet.
	The dehumidifier size is too small for application.	Increase the quantity of dehumidifier. Or change a higher capacity dehumidifier.
	Poor air circulation.	Please leave about 7.9inch(20cm) around the porduct.
	Did not allow enough time to remove the moisture.	Allow enough time to remove the moisture. When first installed, allow at least 3-4 days to maintain the desired RH.
	The room has not been sealed properly.	Check that all doors, windows and other openings are securely closed.
	The air filter is clogged.	Wash the filter.
	Room temperature is too low, or below 41°F (5°C) (The machine will not work and or poor dehumidify efficiency in low tempreture).	Please wait the temperature rises above 5°C or higher.

TROUBLESHOOTING

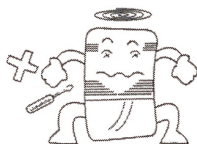
The dehumidifier makes loud noise when operating	The dehumidifier is not positioned level.	Move the machine to a horizontal position.
	Is there blocking around the air inlet? The air filter is clogged.	Clean up the dirty form the on the air outlet and intake.
	Is the filter installed correctly?	Please check whethether the filter packaing bag removed and install correctly.
Dehumidifier operates continuously	Check if the dehumidifier is in CONTINUOUS MODE.	Don't set the humidity too low. Typically, 40-50% are good settings to use.
	Room humidity is too high.	Change humidity settings. Or change a higher capacity dehumidifier.
	Doors and windows are open.	Ensure that all doors, windows and other openings are closed.
Overflow of water on floor	The the water tank 's float been stunk.	Move the float and let it can be swang freely.
	The magnet on the float comes off.	Put the magnet in right position.
	Hose to connector or hose connection may be loose.	Connect the hose with the drain outlet tightly.
	The water bucket has not been installed properly.	Re-install the water bucket properly.

If the dehumifier is still not working properly as expected and the troubleshooting steps or solutions above may not resolve the issue. Please unplug the power and shut down the dehumidifier then contact Kesnos customer service support@kesnos.com

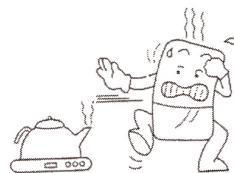
SAFETY NOTE



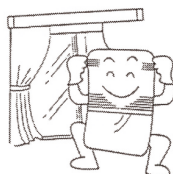
1. When using, please do not put the machine at the soft and uneven ground, avoid vibration and movement.



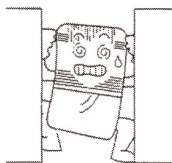
2. Do not insert thin rods and hard objects into the fuselage to avoid malfunction and danger.



3. When using, please keep the machine away from heating furnace, electric kettle and other heat sources.



4. When using, make sure doors and windows are closed to get the best humidity removal effect.



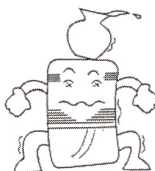
5. Please do not put objects around the body. If the ventilation is blocked, the dehumidification effect will be affected.



6. If do not use the product for a long time, please unplug the power cord.



7. When cleaning the dehumidifier fuselage, please use wet cloth or textile to wipe the unit's surface gently, do not splash water on the unit directly.



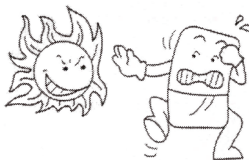
8. Please do not put any object on the dehumidifier.



9. Please clean the filter every two weeks (do not use hot water above 104 °F, gasoline toluene)



10. When on continuous drainage, make sure the drainage pipe is placed horizontally on the ground. Avoid the pipe to be on uneven surface or in an arch position.



11. After cleaning the filter, do not dry the unit under direct sunlight to avoid filter deformation.



12. Before moving and carrying the machine, please first pour out the water in the tank.

TECHNICAL PARAMETERS

Model	PD220B
Power Source	120V~60Hz
Rated Power(80°F,67°F)	300W
Rated Current(80°F,67°F)	2.7A
Moisture Removal(95°F,90%RH)	60 Pints/Day
Input Power(65°F,60%RH)	215W
Input Current(65°F,60%RH)	2.0A
Noise Level(Low Fan)	43dB(A)
Noise Level(High Fan)	45dB(A)
IEF(65°F,60%RH)	1.30 liters/kWh
Motor Fla	0.47A
Motor Compressor	RLA:4.3A LRA:9.9A
Refrigerant	R134a/7.05ozs(200g)
Maximum Allowable Pressure	363PSIG(2.5MPa)
High Pressure	232PSIG(1.6MPa)
Low Pressure	90PSIG(0.62MPa)
Water Tank Capacity	<div></div>
Dimensions	
Weight	

备注：请根据产品实际填写

WARRANTY AND CONTACT US

Warranty

Kesnos offers a 12-month warranty to all of our products, newly purchased and unused, from Kesnos Technology Co., Ltd. or through an authorized reseller, together with the original proof of purchase when a defect occurred, wholly or substantially, or as a result of faulty manufacturing, parts or workmanship during the Warranty Period. The warranty does not apply if damage is caused by other factors, including without limitation of:

- (a) Normal wear and tear;
- (b) Abuse, mishandling, accident or failure to follow operating instructions;
- (c) Exposure to liquid or infiltration of foreign particles;
- (d) Servicing or modification of the product other than by Kesnos.

These are our general terms for the warranty service, but we always urge our customers to reach out to us with any issue, regardless of warranty terms. If you experience an issue with a Kesnos product, please contact us at support@kesnos.com, we will do our best to resolve it for you.

Get Extended Warranty

Register your product within 14 days of your purchase to receive an extra bonus year on your warranty!

1. Visit www.kesnos.com.
2. Enter in your purchase information and opt into our exclusive community.
3. Receive wellness tips, style inspiration, a chance to win free product giveaways, an the inside scoop on Kesnos products in your inbox.

Contact Us



www.kesnos.com



support@kesnos.com

说明书 PD253D (KESNOS)

设计:

审核:

批准:

与02版本差异说明: 整改内容

特别说明: 蓝色内容按照注明的CMYK值印刷:

■ C:65 M:0 Y:30 K:0

虚线框内内容为非印刷内容, 无需印刷;

KESNOS

Home Dehumidifier

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