

Shinco®

Manual of dehumidifier

Model No. SDX1-80P/S3



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Important Notice

- **Thank you a lot for choosing Shinco's dehumidifier, let it be a member of your family to protect the health of the whole family.**
- **Please read the manual carefully before you use the dehumidifier, it will help you operate the machine better, so as to achieve the best effect and extend the life of the machine.**

Important Notice 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.
- Please check if there is any damage around the machine, if the machine is damaged. Please contact customer service immediately.

Important Notice For First Time Use

- When you open the machine, the machine will turn on in **automatic mode**, and the default dehumidification is **50%** which means when the room humidity drops to 50%, the machine will automatically shut down.
- The dehumidifiers are lightweight and easy to move. They are designed to extract unwanted humidity while saving money due to their power saving logic. They feature an intelligent humidistat where the desired relative humidity can be adjusted in increments of 5% between **30% and 80%** ensuring your room is not dried too much and power is not wasted.
- The "Compressor" circuit has an automatic **3 minutes** time delayed start if the unit is turned off and on quickly. This prevents overheating of the compressor and possible circuit breaker tripping. Make sure the tank is fitted correctly otherwise unit will not turn on.
- When the unit is started, the fan begins to pull moisture-laden air across the dehumidifying coils. The coils condense or draw moisture from the air, and air flows through the top louvers into the room as dry, warm air. Moisture removed from air is collected in a bucket on the rear of the dehumidifier. **Therefore, it is normal for the dehumidifier to discharge hot air.**

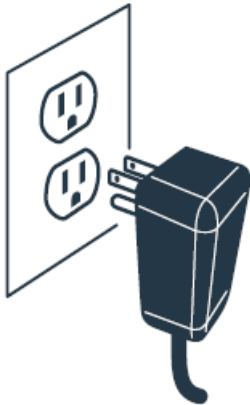
Important Safety Instructions

Warning

- Carefully read the instructions before operating the unit.
- This appliance is for indoor use only and intended for use in a domestic environment only. Any other use is not recommended by the manufacturer and may cause fire, electrical shocks or other injury to user or property.
- If you are in any doubt about the suitability of your electrical supply, have it checked and if necessary, modified by a qualified electrician.
- This dehumidifier has been tested and is safe to use. However, as with any electrical appliance, use it with care.
- Disconnect the power before dismantling, assembling or cleaning.
- Avoid touching any moving parts within the appliance.
- Never insert fingers, pencils or any other objects through the guard.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities. It is also not intended for use by those with a 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.
- Do not leave children unsupervised with this appliance.
- Do not clean the unit by spraying it or immersing it in water.
- Never connect the unit to an electrical outlet using an extension cord. If a power outlet is not available, one should be installed by a qualified electrician.
- Never operate this appliance if the cord, power adapter or plug is damaged. Ensure the power cord is not stretched or exposed to sharp objects/edges.
- A damaged power supply cord should be replaced by the manufacturer or a qualified electrician in order to avoid a hazard.
- Any service other than regular cleaning or filter replacement should be performed by an authorised service representative. Failure to comply could result in a voided warranty.
- Do not use the appliance for any purpose other than its intended use.
- Do not tilt the unit while in use. The unit is designed to work only in vertical position.
- This dehumidifier must always be stored and transported upright, otherwise irreparable damage may be caused to the compressor; if in doubt we suggest waiting at least 24 hours before starting the unit.
- Avoid restarting the dehumidifier unless 5 minutes have passed since being turned off. This prevents damage to the compressor.
- Never use the plug as a switch to start or turn off the dehumidifier. Use the provided POWER button located on the control panel.
- Always place the unit on a dry and stable surface.
- Do not dry laundry above the unit to prevent water entering the dehumidifier. Place the laundry at least 1 meter away from your dehumidifier.
- Before moving the appliance, the water tank should be emptied.
- The handle on the appliance is designed to aid in its movement and should not be used to support the full weight of the dehumidifier. When carrying the unit, it should be kept upright and sufficiently supported from its base.
- The appliance must be placed in a room without sources of ignition (for example: open flames, an operating gas appliance or an operating electric heater).
- Do not use or store the appliance in an unventilated space with an area smaller than 43 sq.ft (4m²) per unit.

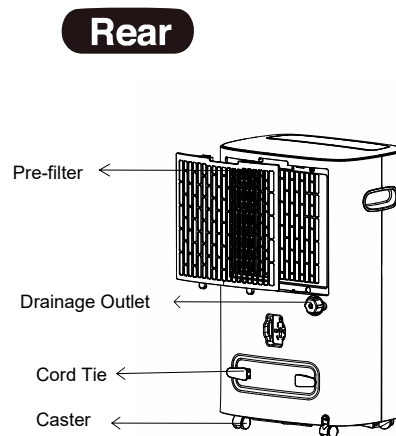
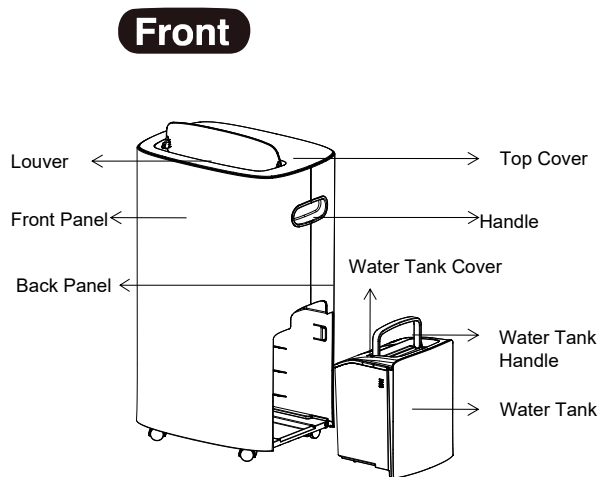
- If the appliance is installed, used or stored in an unventilated room, the room must be such as to prevent stagnation of possible leaks of refrigerant gas as there could be a danger of fire or explosion once the refrigerant comes into contact with electric heaters, stoves or other sources of ignition.
- Do not use the product and contact the retailer for advice, if damage has occurred to the unit which may have compromised the refrigerant system.
- Any repairs or maintenance must only be carried out on the unit by a suitably qualified engineer. Before opening and servicing the unit, the authorized engineer must be in possession of a copy of the manufacturer's service manual and must follow the safety information contained within it to ensure all hazards are minimized.
- The refrigerant system should not be perforated or punctured.
- Do not place the unit next to heat sources (e.g. electrical fires, fireplaces, etc.)
- Avoid mishandling the dehumidifier. Dropping, throwing the unit can cause damage to its internals and increases the risks of operating it.
- Do not store or use gasoline, petrol, paint, solvents or other flammable vapours or liquids in the vicinity of this dehumidifier or any other appliance.
- This dehumidifier must not be used in spaces where there is a high concentration of gases, solvent or other volatile organic compounds; in very dusty environments; in any domestic, commercial or industrial environment where the air composition is flammable.

Electrical Information

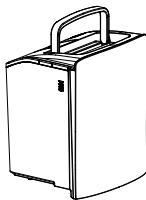


- Be sure the dehumidifier is properly grounded. To minimize shock and fire hazards, proper grounding is important. This power cord is equipped with a three-prong grounding plug for protection against shock hazards.
- Your dehumidifier must be used in a properly grounded wall socket. If your wall socket is not adequately grounded or protected by a time delay fuse or circuit breaker, have a qualified electrician install the proper socket.
- Avoid fire hazard or electric shock. Do not use an extension cord or an adapter plug. Do not remove any prong from the power cord.

Component Parts



Water Tank



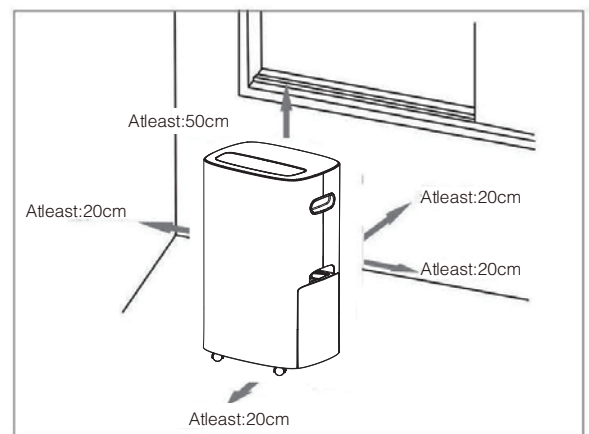
Do not remove the Float from the Water Tank, or otherwise the Dehumidifier cannot detect the water level that may cause leakage and malfunction.

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.

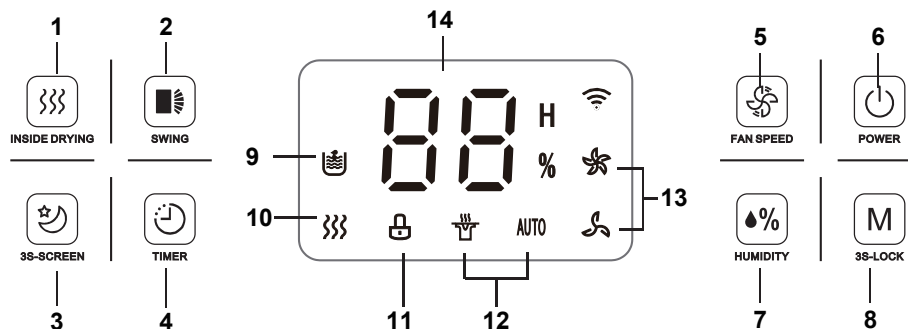
Caution

- 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.)

Control panel



Key Function

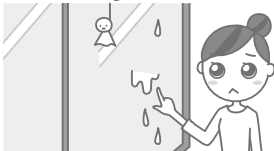
1. Functional Key: Internal drying function of the body; Negative ion function;
2. Swing key: Swing function of louver;
3. Sleep key: Sleep key: Sleep mode;
4. Timer key: Timing setup;
5. Fan speed key: Fan speed adjustment;
6. Power key: Turn on/off the machine;
7. Humidity adjustment key: Humidity set between 30% and 80% in circle;
8. Mode key: Dehumidifying and dry cloth function.

Display icon

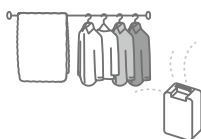
9. Full water tank icon: this icon will be displayed when the water tank is full.
10. Drying icon inside the machine: this icon indicating the operation of drying function inside the machine, press the negative ion key to activate the function.
11. Child lock icon: this icon indicating the on/off of child lock function, long press the mode button for 3 seconds to display the icon;
12. Mode icon: these icons are indicate the operating mode correspondingly, the left icon is the laundry mode icon; the right icon is the auto mode icon
13. Fan speed icon: these icons indicate the operating fan speed; the upper icon is the high fan speed option; the lower icon is the low fan speed option;
14. Digital display: indicating the ambient humidity of standby and operating status respectively; setting the humidity level in auto mode; timer setting in timing mode.

Function Options

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

Situation	Operation Mode
<p>To dehumidify</p> <p>To remove moisture and suppress the mildew growth on the ceiling and wall.</p> 	<p>To keep the optimal humidity of a space</p> <ul style="list-style-type: none"> • Automatic Mode <p>In this Mode, the Unit operates intermittently. When the current humidity is higher than the preset humidity level by 5%, the compressor turns on and the Fan starts operating with the preset Fan Speed. When the current humidity is lower than the preset humidity level by 5%, the compressor stops operating, Fan stops running. When the current humidity is within the $\pm 5\%$ range of the preset humidity level, the Unit operates at the default operation mode with the humidity level preset at 50%.</p> <ul style="list-style-type: none"> • Laundry Drying Mode <p>In this Mode, regardless of the current humidity, the compressor turns on and the Fan operates at High Speed, with the Fan Speed adjustable.</p>

To dry laundry



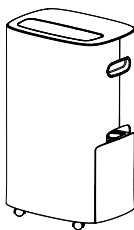
To dry laundry with warm dry air

- Select high or low fan speed.
- Place the laundry at the spot where the warm dry air can reach to.

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.

Internal Dry Operation

The Internal Dry Operation can dry the inside of the Unit to suppress mildew growth. This function can be activated by pressing the Internal Dry Operation function key, and deactivated by pressing the same function key again.

Drying Laundry

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
 - Insufficient space between the laundry
 - The laundry is heavy weight cloth
 - The room for drying laundry is big
 - The room temperature is low

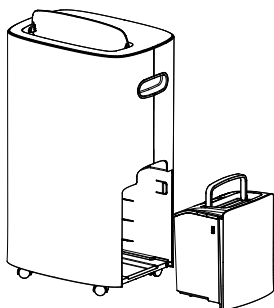
Preparation and Confirmation

Water Tank Insertion

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

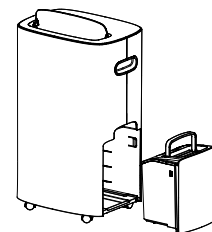
Taking out the Tank

Put your hand into the clasp above the side tank, and gently remove the tank.



Inserting the Tank

- ① Put the water tank cover on, and rotate the water tank handle down.
 - ② 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.

How to Operate (Dehumidification and Internal Dry Operation)



Warning

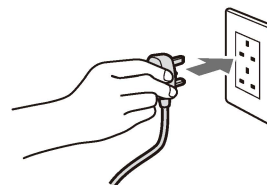


Prohibited

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.

1 Plug In

- Alarm beeps once.



2 Power Switch

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

3 Modes of Operation

- Choose between Automatic Mode and Laundry Drying Mode when turning on the Dehumidifier. The corresponding indicator of the Mode chosen will illuminate.
- The Child Lock function can be activated and deactivated by pressing and holding the switch for 3 seconds.

4 Humidity Selector

- The humidity level can be set in Automatic Mode, with increment or decrement by 5% between 30-80%.

How to Operate (Cont.)

5 Fan Speed

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

6 Swing

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

7 Function

- Press Function button to activate the internal dry function.
-

8 Sleep

- Press and hold this button for 3 seconds to turn on/off the display.
-

9 Timer

- Press Timer button to set up Timer for switching the Unit on and off at specific times, within a 24 hour period.
- The Unit can be set to turn on and off at specific times during the operation of the unit.
- The Unit can be set to turn on at specific time when it is not operating.
- Timer setting can be cancelled by pressing the Timer button when asked to confirm the Timer setting. The On and Off Timer can be set within a 24 hour period, with 1 hour as the unit of time.

How to Operate

How to empty the Water Tank

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

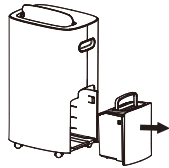
- When the Water Tank is full, the Dehumidifier stops operating, illuminates the 'Full' indicator and beeps to alert.

1 Pull out the Water Tank slowly to prevent splash.

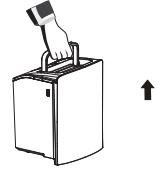
Caution

Pulling out the Water Tank

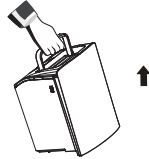
- Alarm set off
- Water residual around the Drainage Outlet may drip down that have to be wiped away.



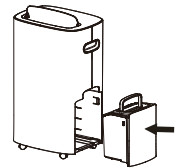
2 Grab the Handle of the Water Tank to lift it slowly.



3 Tilt the Water Tank to slowly release the water.



4 Insert the Water Tank back into the Unit.



Please go to P13 for Continuous Drainage

Moving the Dehumidifier



Caution



Prohibited

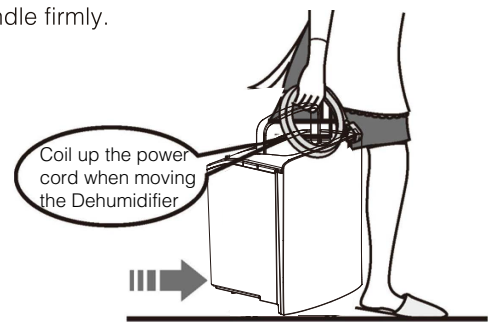
Stop moving the Unit when the Casters are stuck by flooring or carpet, and go sideways.

- 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.



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, Prohibited 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: Internal and external diameter of the hose are 9 mm and 13 mm respectively.

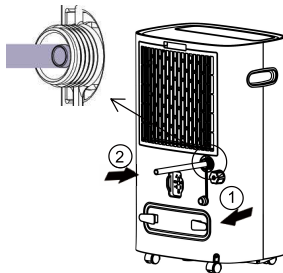
Caution

- 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.

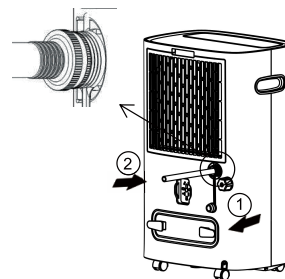
1

Remove the Lid and valve of the Drainage Outlet from the back of the Unit, and insert the 9 mm hose onto the Drainage Outlet.

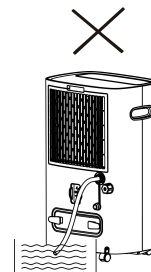
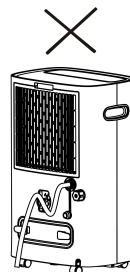
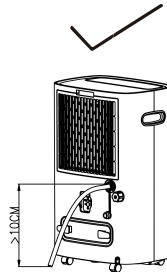


2

Remove the Lid and valve of the Drainage Outlet from the back of the Unit, and insert the screw type garden tube onto the screw type Drainage Outlet.



Caution



This Dehumidifier can continuously drain water by attaching a drain hose (with an internal diameter of 9 mm) onto the Drainage Outlet, saving the trouble of emptying the Water Tank. It is also possible to attach a screw type garden tube of an external diameter of 1 1/16 inch (1.0625 inch or 26.98 cm) and a screw pitch of 11.5 TPI.

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.



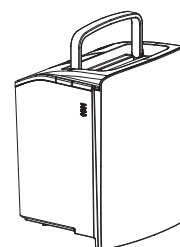
Prohibited

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.

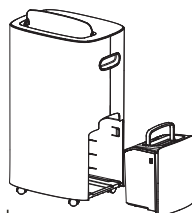
- Wipe dust off the Power Plug regularly.
- Remove stubborn dirt with soft cloth and neutral kitchen detergent.
- Clean Control Panel only with a dry cloth, and use no water.
- Do not use gasoline, thinners, alcohol, cleansing powder, or brush to prevent deforming or scratching the Unit.



Water Tank

1

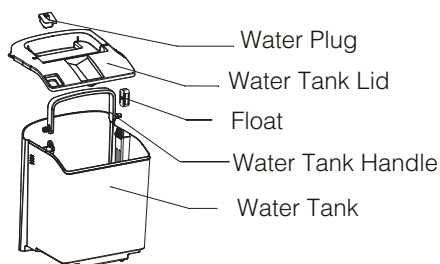
Pull out the Water Tank from the Unit.



2

Remove the Water Tank Lid.

- Lift the Lid to open.



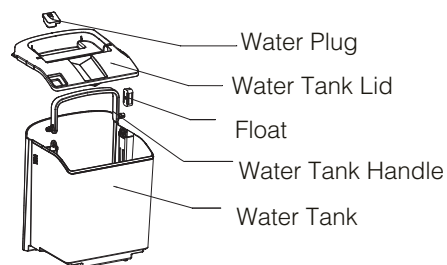
3

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

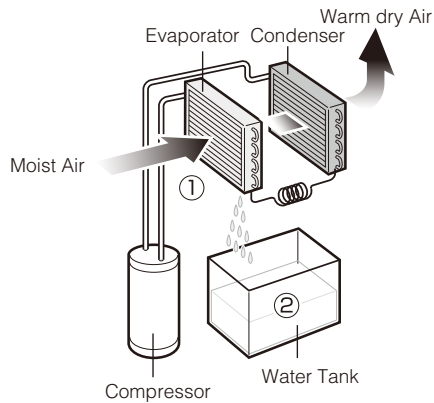
Insert the Water Tank back into the Unit.

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

Operation and Performance

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.

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 5-32°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 abnormal operating 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
E1	Coil Sensor failure
E2	Ambient Temperature Sensor failure
P1	Defrosting Operation activated
CL	Drying Inside Operation activated
LC	Child Lock Mode activated

Specifications

1. Product Parameters

Model	SDX1-80P/S3
Power source	115V~60Hz
Moisture Removal (65°F,60%RH)	22 Pints/Day(10.4L/Day)
Moisture Removal (80°F,60%RH)	32Pints/Day(14.7L/Day)
Moisture Removal (86°F,60%RH)	63Pints/Day(29.8L/Day)
Highest Moisture Removal	86Pints/Day(40.7L/Day)
Input Power(65°F,60%RH)	200W
Total Current	3.0A
IEF(65°F,60%RH)	2.0L/kW/H
Motor Fla	0.32A
Motor Compressor(RIa/Lra)	2.6A/14.0A
Refrigerant	R32/225g
Maximun Allowable Pressure	5.0MPa
High Pressure	3.8MPa
Low Pressure	1.5MPa

The dehumidification performance will be decreased after adding the 3-in-1 Multi function filter.

2. Fuse Parameters

Voltage: 250 VAC

Current: 2A



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.

Warranty

TO OBTAIN WARRANTY SERVICE:

Please contact us by email.

Sales support: **service@shinco.net**

WARRANTY PERIOD:

Labor: 1 Year from the Date of Purchase.

Parts: 1 Year from the Date of Purchase.

Jiangsu Yoau Intelligent Technology Co.,Ltd
reserves rights to upgrade products without user
notice.