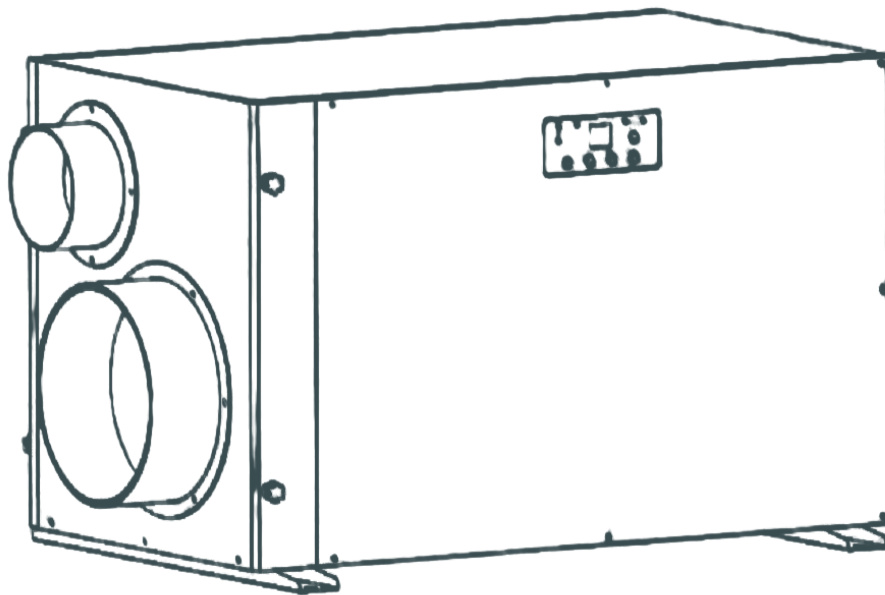




DEHUMIDIFIER

USER'S MANUAL



HX-70DH

HX-90DH

HX-120DH

Installation Requirements

The area where the dehumidifier is located should be sealed with a vapor barrier.

If the unit is installed in a crawl space, all vents should be sealed.

For the best air diffusion, install the unit so that a side panel faces the wall.

For proper ventilation, neither the inlet nor discharge should be positioned directly against a wall. The inlet requires a minimum clearance of 12 inches and the discharge requires a minimum clearance of 36 inches.

The dehumidifiers are only intended for operation when the unit is upright and level with the feet on the ground.

Installation

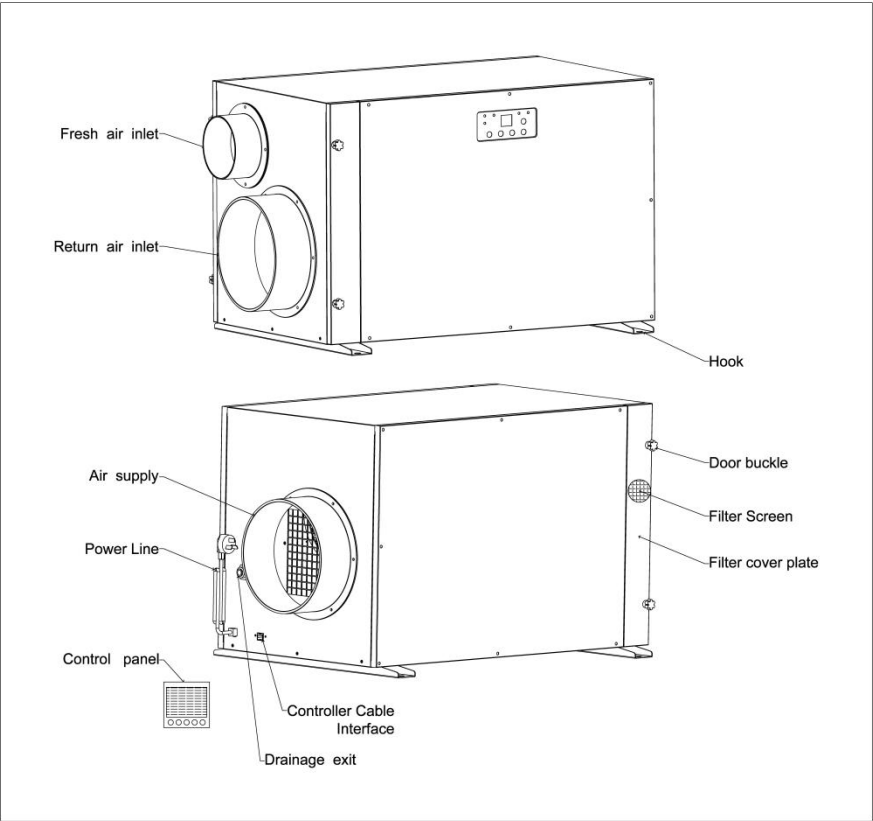
1. Place your dehumidifier on a flat surface.

- Do not place the unit against a vapor barrier.
- Do not use anything to support the unit at the base. Place it directly on the floor.
- If the unit was placed in any position other than upright, set it upright and allow it to stand for two hours before turning it on.

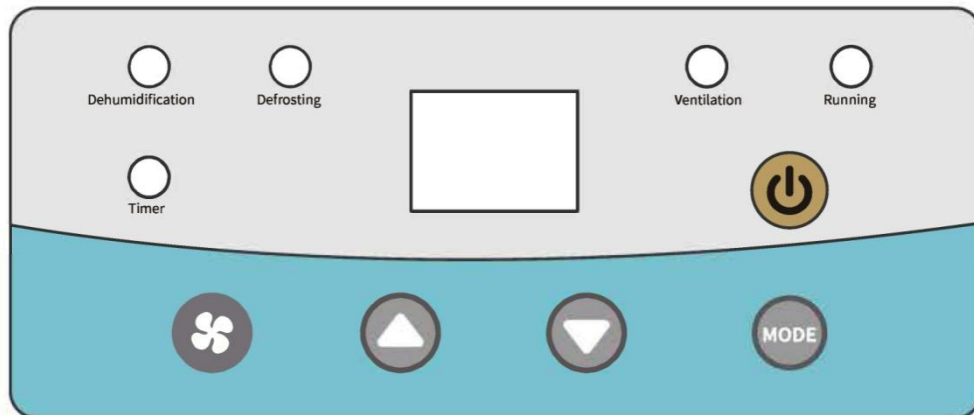
2. Arrange the drainage line.

- Route the drain hose to a suitable drainage point outside.
- Ensure there are no loops or dips in the drainage hose.
- Seal off the area where the dehumidifier is located with a vapor barrier.
- If the unit is installed in a crawl space, seal all openings.
- Do not place the inlet or outlet directly against a wall to ensure proper ventilation.
- Maintain 12 inches of clearance at the inlet and 36 inches of clearance at the discharge.
- Position the unit so that the side panel faces the wall for the best air diffusion.
- Your dehumidifier is designed to operate upright and level on the ground with the feet on the floor.
- Perform maintenance only when the power is switched off or the unit is unplugged.

Units Parts Diagram

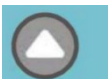
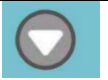
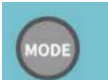


Keys and Display Symbols



Functions of Keys:

Indicator light	Description
Running	Machine on state: The light is on. Machine off state: The light is off.
Ventilation	Machine is in ventilation mode: The light is on. Machine is not in ventilation mode: The light is off.
Dehumidification	Machine on state: 1. Light is on when the compressor is working. 2. Light is off when the compressor is not working. 3. In ventilation Mode, the compressor does not work, so the light is also off. Machine off state: This light is off.
Defrosting	Machine on state: Light is on when the unit enters the automatic defrost process or when the defrost sensor is defective. Machine off state: This light is off.
Timer	Timer on state: This light is on. Timer off state: This light is off.
Buttons and Icons	Description
Display Window	1. In normal operation, displays the ambient humidity. 2. When setting humidity, the display flashes and shows the set value. 3. When setting the timer, the display flashes and shows the timer hours. 4. When setting the fan speed, the display flashes F1 (High Speed) or F2 (Low Speed). 5. If a fault occurs, an error code will be displayed.

 Power	Turns the machine on or off.
 Fan Speed	Switches between high and low fan speed.
 Increase	Adjusts values depending on current setting: • Increase Humidity: 30% - 80% RH • Increase Timer: 00 – 23 Hours
 Decrease	Adjusts values depending on current setting: • Decrease Humidity: 30% - 80% RH • Decrease Timer: 00 – 23 Hours
 Mode	Press repeatedly to switch settings: 1. First Press: Enter humidity settings. 2. Second Press: Switch between Dehumidification mode and Ventilation Mode. 3. Third Press: Enter timer settings. 4. Fourth Press: Exit settings.

Timer Hours Setting:

- When the machine is in standby mode, press the MODE button one time to enter the Timer ON setting. Use the Increase and Decrease buttons to set the desired time. The adjustable range is 00 – 23 hours.
- When the machine is running, press the MODE button three times to enter the Timer OFF setting. Use the Increase and Decrease buttons to set the desired time. The adjustable range is 00 – 23 hours.

Extra functions:

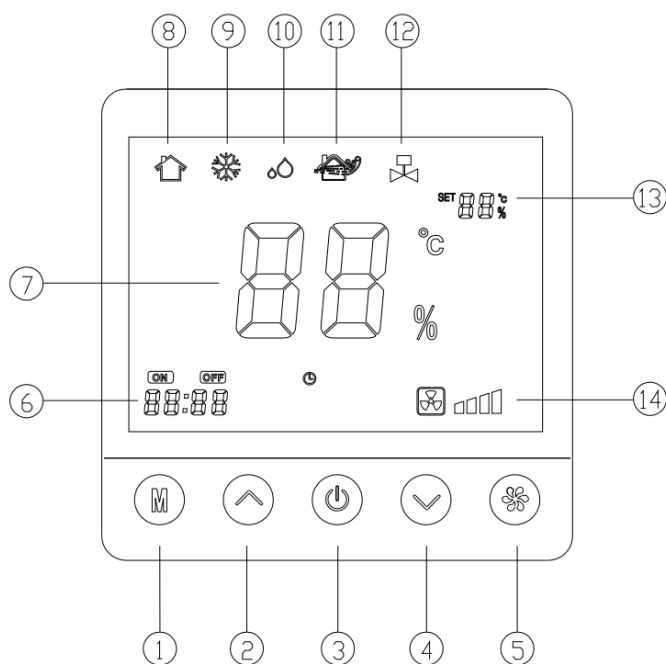
- **Dehumidification Mode:**
In this mode, both the compressor and fan operate, allowing the machine to remove moisture from the air.

- **Ventilation Mode:**
In this mode, the compressor does not operate. Only the fan runs to circulate natural air.
- **Compressor Protection:**
When the compressor restarts, there will be a 3 minute delay to protect the system.
- **Auto Restart Function:**
If the power is interrupted and then restored, the machine will restart automatically and resume the previous settings.

Wall Mounted Controller

The device can also be controlled using a wall mounted controller.

If your dehumidifier is installed in your crawl space, the wall mounted controller can be installed in your living area or garage for convenient access. This allows you to easily monitor and control the dehumidifier without entering the crawl space. Similar to a remote control, the wall mounted controller enables you to operate the unit from a distance.



No.	Description
1	M key (Mode Key)
2	Up key
3	Power key
4	Down key
5	Wind speed key
6	Delay switch display area
7	Ambient humidity display area
8	Boot icon
9	Defrost icon
10	Dehumidification icon
11	Ventilation icon
12	Water pump on icon
13	Set the humidity display area
14	Wind speed display area

Automatic Defrosting Function

At low temperatures, the unit will start the automatic defrost process. During this time, the fan continues to operate, while the compressor temporality stops. The defrost indicator light will illuminate red during the defrost cycle.

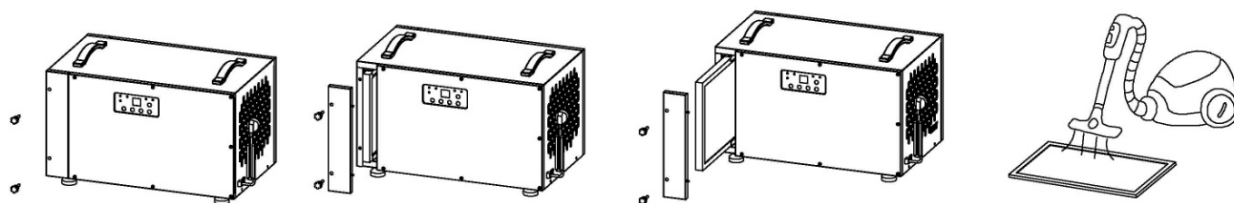
Maintenance

⚠WARNING: Always unplug the unit before performing any maintenance.

Cleaning the Machine Body

- Use a soft, damp cloth to clean the exterior of unit.
- Do not use any soap, solvents or harsh chemicals, as they may damage the surface.

Filter Cleaning / Replacement



1. Unplug the unit.
2. Unscrew the two hand-twist locks by turning them counterclockwise.
3. Remove the filter cover.
4. Pull out the filter.
5. Clean the filter with a vacuum or replace it if necessary.

🔧 NOTE: The filter should be replaced every 1500 hours of operation.

Important Instructions

- The compressor will start three minutes after the dehumidifier is turned on.
- During the defrost cycle, the fan continues to operate, while the compressor temporarily stops.
- The filter should be replaced every 1500 hours of operation.
- Maintain a safe distance between the unit and the wall, especially around the air inlet and outlet.
- Unplug the device if it will not be used for an extended period.
- Do not tilt the device more than 45°, either during operation or when moving it.
- If the dehumidifier has been tilted accidentally, leave it upright and unused for at least 12 hours before operating it again.

Specifications

Model	HX-70DH	HX-90DH	HX-120DH
Working Temperature	41-95°F	41-95°F	41-95°F
Dehumidification Capacity	70pints/day (80.6°F ,60%RH)	90pints/day (80.6°F ,60%RH)	120pints/day (80.6°F ,60%RH)
Voltage	AC110V/60HZ/1P	AC110V/60HZ/1P	AC110V/60HZ/1P
Power	400W	600W	850W
Cooling Agent	R32	R32	R32
Air Volume	265 CFM	412 CFM	559 CFM
Maximum Discharge Pressure	652 psi	652 psi	652 psi
Maximum Suction Pressure	174 psi	174 psi	174 psi
Drainage Method	Condensate pump	Condensate pump	Condensate pump
Dimensions (in.)	25.98*15.75*13.58	34.25*18.11*18.70	34.25*19.69*18.70
Weight	48.50 lbs.	59.52 lbs.	70.55 lbs.

Error Code

ERROR	REASON	SOLUTION
E1	Coil Sensor Error	Replace the coil sensor
E2	Moisture Sensor Error	Replace the moisture sensor
E3	Temperature Sensor Error	Replace the temperature sensor

*** If an error occurs, the display will show the respective code.**

Error Analysis

ERROR	ERROR	SOLUTION
Dehumidifier does not work.	1. Device has no power. 2. Mains plug is not plugged in properly. 3. Display shows error code E4.	1. Turn on the power supply. 2. Connect the mains plug properly. 3. Empty the water collection container.
Poor Dehumidification Performance	1. Air in- or outlet is covered. 2. Room is not closed. Low humidity or low temperature.	1. Uncover Air in- and outlet. 2. Close all doors and windows. 3. Note: Low room temperature can reduce dehumidification efficiency.
High Noise Level	1. Device is not on even ground. 2. Air in- or outlet is covered.	1. Place the device on even ground. 2. Uncover Air in- and outlet.

Warranty

- First two years: Covers parts only
- Note: Shipping charges for returning defective products for repair or replacement are not included.