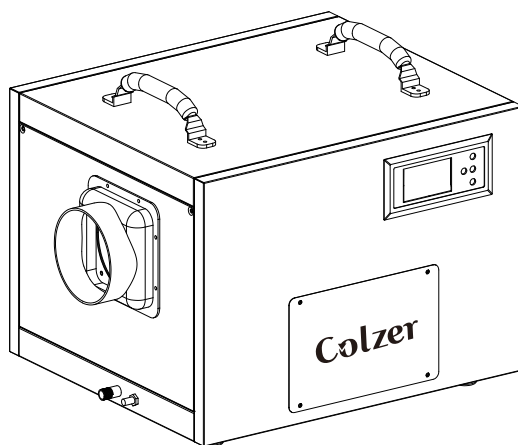


COLZER Dehumidifier User Manual



Model No.:CD70P, CD120P

Please read this user manual before operating and save for future reference.

Welcome

Thanks for choosing COLZER dehumidifier!

COLZER is dedicated to keeping people healthy, comfortable and more enjoyable by offering quality appliances range from dehumidifiers, air purifiers, humidifiers to refrigerators, wine coolers, ice makers, and more. From breathing easier in your office to upgrading your kitchen appliances, we hope COLZER could help you every step of the way.

We do hope you'll enjoy the dehumidifier you purchased from us.

Before plugging in your new dehumidifier, we suggest that you read this user manual as it contains important safety information, operation instructions, troubleshooting, maintenance tips, and warranty information to ensure the reliability and longevity of your dehumidifier.

We also kindly ask you to take a few minutes to register your product at

<https://colzer.com/pages/join-vip> for more efficient support as well as updates, promos, and other cool stuff. Although greatly appreciated, product registration is not required to activate any warranty.

It is our goal that you are always happy with what you bought from us, so please let us know if your buying experience was anything short of excellent.

We're always just an email away

To access customer support, please email to service@colzer.com with your purchase order ID to help us address the problem faster and serve you better.

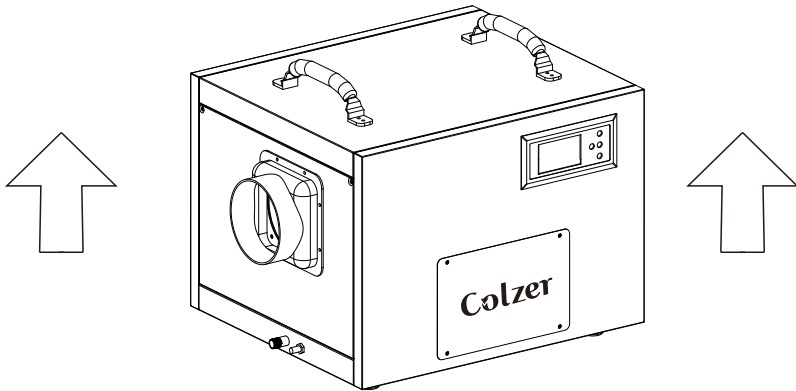
Thank you again!



BEFORE FIRST USE:

Please leave the dehumidifier sitting outside the box for **24 HOURS** before plugging it in.

The dehumidifiers may have been tilted or placed upside down during shipping. Leave the dehumidifier sitting for 24 hours so the oil in the compressor can settle from the move, not doing so can affect the performance or lifespan of the dehumidifier.



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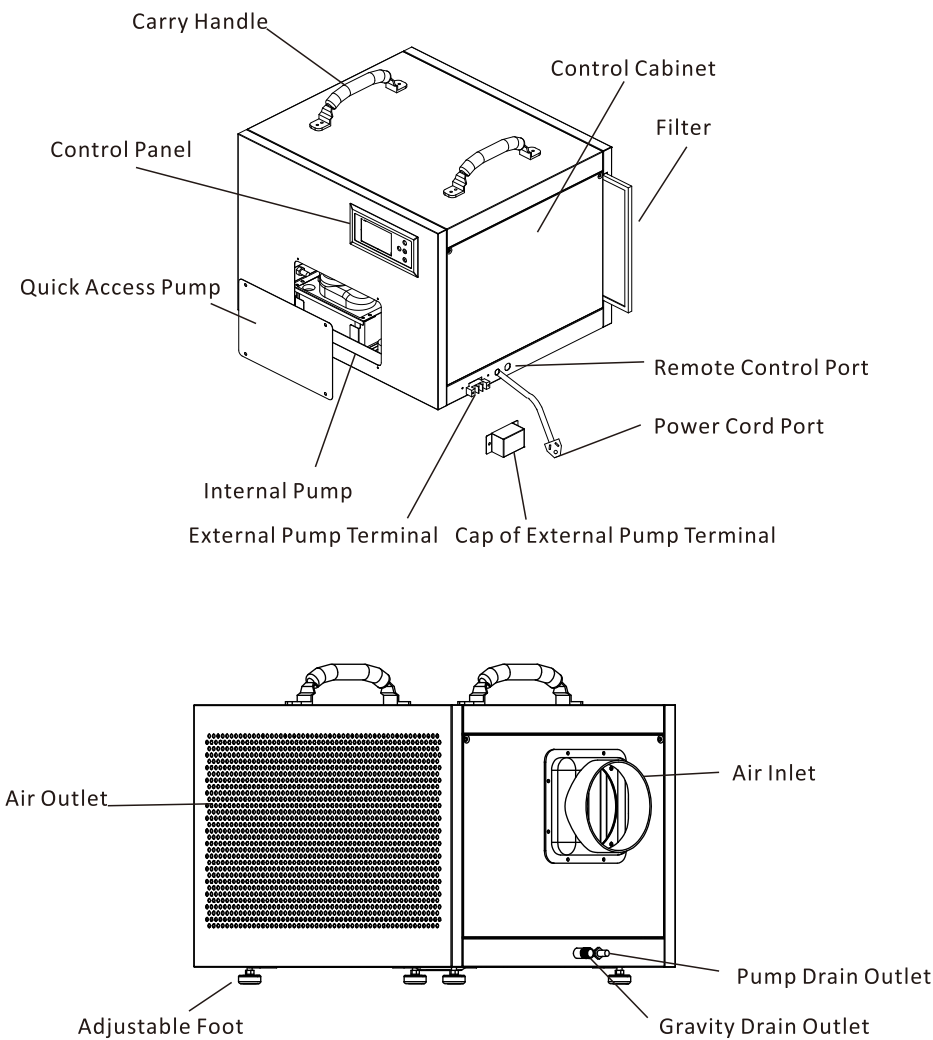
SAFETY INFORMATION

To prevent injury and property damage, the following instructions must be followed when using the dehumidifier.

1. Install the dehumidifier properly on a floor, table, or shelf that is level and strong enough to support it when the water bucket is full.
2. Do not place the dehumidifier near a heater.
3. Do not use the dehumidifier near flammable gas or combustibles, such as gasoline, benzene, thinner, etc.
4. Always plug into a grounded outlet properly.
5. Do not use if the power cord is broken or damaged.
6. Do not use the socket if it is loose or damaged.
7. Do not place a heavy object on the power cord and make sure that the cord is not compressed.
8. Do not modify power cord length.
9. Do not operate the dehumidifier with wet hands.
10. Do not place flower vases or other water containers on top of the dehumidifier.
11. Do not climb on or sit on the dehumidifier.
12. Do not operate or turn off the dehumidifier by plugging in or unplugging the dehumidifier.
Use the control panel instead.
13. Disconnect the power if strange sounds, odors, or smoke come from the dehumidifier.
14. Hold the plug by the head when taking it out.
15. Make sure to turn off and unplug the dehumidifier before cleaning.
16. Use a soft cloth to clean. Do not use wax, thinner, or a strong detergent.
17. Do not clean the dehumidifier with water. If water enters the dehumidifier, turn off the dehumidifier immediately.
18. Care should be taken when using the dehumidifier in a room with the following persons:
infants, children, the elderly and people not sensitive to humidity
19. Never insert your finger or other foreign objects into grills or openings. Take special care to warn children of these dangers.
20. Turn off and disconnect the power when not using the dehumidifier for a long time.



PARTS IDENTIFICATION



NOTE: DO NOT OBSTRUCT THE AIR INLET AND/OR OUTLET.



OPERATION INSTRUCTIONS

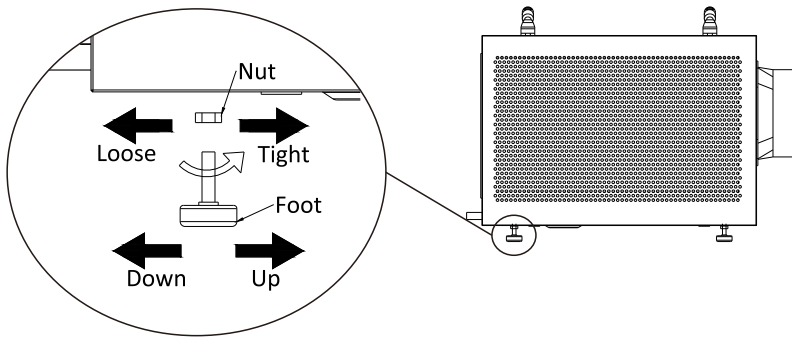
1. Position Your Dehumidifier

Install the dehumidifier horizontally to minimize vibration and or noise.

You can adjust the feet to level the dehumidifier.

To adjust the feet,

- Turn the nut in a clockwise direction to get the nut loosen;
- Turn the foot in a clockwise direction to get the foot down or turn the foot in a counterclockwise direction to get the foot up;
- Turn the nut in a counterclockwise direction to fix the foot.



For best results, operate your dehumidifiers in an enclosed area.

Close all doors and windows that open to the outside to maximize water removal efficiency.

Place your dehumidifier away from obstructions, and keep it away from anything that could block airflow into and out of the unit.

2.Plug in

IMPORTANT

Please let the dehumidifier sit outside the box for **24 hours** before initial plugging in.

Uncoil the power cord and plug it firmly into a properly grounded 110-120 volt AC outlet.

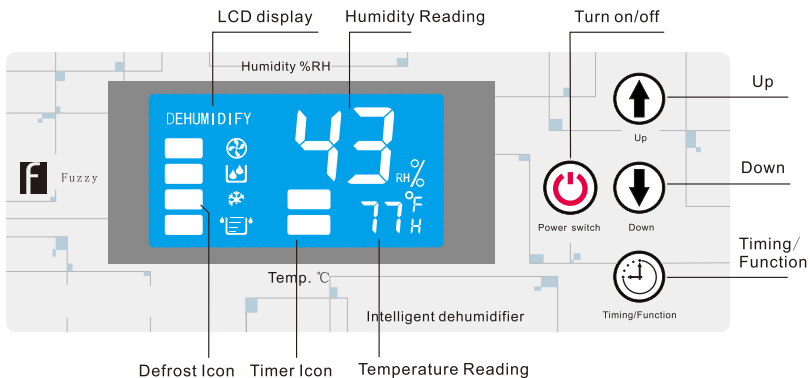
After plugged in, the control panel will light up for 1-2 seconds and then goes off, which is the normal self-diagnose process and does not require any user intervention.

3. Turn the Dehumidifier On

Press the **POWER** button to turn the dehumidifier on. Typically, the dehumidifier will run in the default setting with set humidity 30% at low fan speed .

4. Understand the Control Panel

The control panel on the dehumidifier has an LCD screen and 4 buttons. Press the POWER Button to turn the dehumidifier on. The LCD screen will light up and display the readouts as below.



(1)What is on the LCD Screen?

Big Font Digital Number (43 RH% on the above illustration) is humidity percentage reading of the inlet air that the dehumidifier detects which is similar to the room humidity level. When you are pressing the ↑ or ↓ button to set a desired humidity percentage value, the big font digital number will turn to display the setting value and flash.

Small Font Digital Number (77°F on the above illustration) is temperature reading of the inlet air which is similar to the room temperature. However, if the timer function is being set or has been activated, the small font digital number will turn to display the timer setting value or time remaining.

Running **Running Icon:** Running icon flickers typically because the compressor has not kicked in. It usually happens 1) when the dehumidifier is under the 3-minute compressor delay status; 2) when the dehumidifier is programmed to delay-start (AUTO ON TIMER).



Wet Controller Icon: Wet Controller Icon flickers when the room humidity level (inlet humidity reading) is 3% lower than the set humidity.

1) When you see the “wet controller” icon illuminating while setting up, it typically means the set humidity level is not 3% lower than the inlet humidity reading. Please make sure the set humidity value is at least 3% (10% recommended) lower than the inlet humidity reading.

2) In Humidistat Mode, if you see “wet controller” icon illuminating after running the dehumidifier for a while, it means the dehumidifier has got the room humidity down to the set point and the dehumidifier enters into standby mode.



Defrosting Icon: The dehumidifier begins to defrost when the frost has accumulated on the interior of the dehumidifier. When the dehumidifier is defrosting, the fan is running, but the compressor is not, the defrost icon is flashing. The dehumidifying function will cease until the frost has melted. When defrosting is complete, the defrosting icon will disappear and the dehumidifier begins to dehumidify again automatically.

Note: The frequent defrost process indicates that the room temperature is too cold.

Therefore, if the room temperature is lower than 60°F, please consider adding heat to promote proper drying.



Fan Icon: The fan icon illuminates when the fan is running.



Water Droplets Icon: The water droplets icon illuminates when the compressor kicks in, which means the dehumidifier is dehumidifying. When the compressor delays to start due to the 3-minutes delay system, this icon flickers.



Timer Icon: Timer icon illuminates when the timer function is enabled.

(2) Understand the Control Buttons

Power Button: Press to turn the dehumidifier ON or OFF.

Up Button: Press ↑ to increase the set-point of humidity level or timer.

Down Button: Press ↓ to decrease the set-point of humidity level or timer.

Timing/Function Button: Press once to check the settings. Press and hold for 3 seconds to enter Timer setting system.

5. General Operation Quick Guide

(1) Turn the dehumidifier on

Press the Power Switch to turn the dehumidifier on.



(2) Set a desired humidity percentage value

Press ↑ or ↓ button to set your desired humidity percentage value between 10%-98% in increment of 1%. 40%-60% is a general humidity setting guide. After selected the target value, press Timing/Function Button to confirm your setting, or let the setting be registered automatically after 5 seconds of no operations on the control panel.

Note:

- The dehumidifier with a humidistat will stop and start automatically to maintain room humidity level within a range of $\pm 3\%$ of the set point.

For example, if the set humidity is 50%,

- when the inlet humidity level the dehumidifier detects is 47%, 3% lower than the set humidity, the dehumidifier will automatically stop and enter into "wet controller" mode.
- when the inlet humidity level the dehumidifier detects raises to 53%, 3% higher than the set humidity, it will automatically restart.
- However, if the set humidity level is equal to or lower than 30, the dehumidifier will enter CONTINUOUS MODE where the dehumidifier will run continuously.

(1) Turn the dehumidifier off

Press the Power Switch to turn the dehumidifier off.

Note: To protect the compressor, the fan will continue to operate for 5 seconds after the dehumidifier has shut off. So please do not disconnect the power cord to force the dehumidifier to stop. Always use the power button.

6. Timer Setting

The TIMER function enables you to either delay AUTO-ON or delay AUTO-OFF the dehumidifier in the choice from 1 hour to 24 hours.

- **Setting an AUTO-ON timer:** When the dehumidifier is off, selecting Timer will turn the dehumidifier on in the hours that will be set.
- **Setting an AUTO-OFF timer:** When the dehumidifier is on, selecting Timer will turn the dehumidifier off in the hours that will be set.

Follow the below steps to set the TIMER:

- 1) Press and hold the Timing/Function Button for about 3 seconds, until you see the TIMER icon lights up and the small font digital number changes into **00** _h and flashes;
- 2) Adjust the timer setting by pressing ↑ or ↓ button repeatedly to change the delay timer at 1-hour increments, up to 24 hours.
- 3) After selected the target timer value, press Timing/Function Button to confirm your setting, or let the setting be registered automatically after 5 seconds of no operations on the control panel.

4)The small font readout will count down the time remaining (8,7,6, etc.) until the dehumidifier either starts or stops.

5)To disable the timer function, manually turn ON/OFF the dehumidifier, or set the timer to **00** μ .

Note:

- Before entering the AUTO ON TIMER setting, make sure power is being supplied to the dehumidifier.
- For the AUTO ON setting, please turn on the dehumidifier to select a desired humidity level. Otherwise, the humidity maintained will be the same as the previous setting.
- You can only set AUTO ON timer when the dehumidifier is off or set AUTO OFF timer when the dehumidifier is on, but not be able to set both AUTO ON and AUTO OFF timer at the same time.
- The TIMER will ONLY function one time instead of cycling the dehumidifier on or off indefinitely.
- The TIMER function will be disabled when the dehumidifier has been powered on/off manually.
- Set the timer as 00, the timer function will not be activated.

7. Drain Collected Water

(1) Drain by Internal Pump

The dehumidifier has an internal pump that helps to drain the condensation water freely.

When using the pump feature,

- The Gravity Drain Outlet needs to be sealed by the included stopper;
- Connect the drain hose to the Pump Drain Outlet;
- Place the unattached end of the hose in a sink, bucket, pump sump, or out of a window – anywhere that water can drain out safely. (Ensure there are no kinks or other obstructions that will stop the water to flow.)

NOTE:

- If you use a bucket or other container for water collection, check it regularly to prevent overflows.
- The drain hose for the water pump can drain vertically up to 16ft. More than 16ft may cause water back up to the pump resulting in leakage.
- If the drain hose is too long, water may not drain completely, which can lead to stagnant water and mildew build up inside the hose.
- Before moving the dehumidifier, please remove the stopper from the Gravity Drain Outlet to completely drain the condensation in the internal water tray to avoid water leakage.

(2)Drain by Gravity

The collected condensation water can be drained by gravity. When using gravity to drain,

- The Pump Drain Outlet needs to be sealed by the included stopper;
- Connect the drain hose to the Gravity Drain Outlet;
- Place the unattached end of the hose to a suitable drainage facility. The drainage facility should be lower than the drain outlet of the dehumidifier. (Ensure there are no kinks or other obstructions that will stop the water to flow.)



8. Smart Functions

(1)3 Minutes Compressor Delay Mechanism

To avoid any damage to the dehumidifier, the dehumidifier will not start operation following a complete cycle until after 3 minutes. Operation will automatically start after 3 minutes. In other word, if you turn the dehumidifier off and then restart it immediately, the compressor will not kick in until 3 minutes later. During this period, you can see the RUNNING icon flashing on the LCD screen until the compressor kicks in.

(2)Auto Defrost

When the frost builds up on the evaporator coils, the compressor will cycle off and the fan will continue to run until the frost disappears. When the dehumidifier is defrosting, you can see the DEFROSTING icon light up on the LCD screen.

(3)Auto-Restart

If the dehumidifier shuts off unexpectedly due to power outage, the dehumidifier will restart with the previous function settings automatically when the power resumes.

(4)Temperature Protection Function

When the room temperature is higher than 113°F, the dehumidifier will automatically enter into HIGH-TEMPERATURE PROTECTION SYSTEM where the LCD screen displays an "HH" message and the compressor stops.

When the room temperature is lower than 40°F, the dehumidifier will automatically enter into LOW-TEMPERATURE PROTECTION SYSTEM where the LCD screen displays an "LL" message and the dehumidifier stops working.

Note: When you see HH or LL message under normal circumstances, please contact the customer service at service@colzer.com to get technical support.



MAINTENANCE



To avoid possible electric shock, ensure to turn the dehumidifier off and disconnect the plug from the power source before performing any cleaning or maintenance.

(1)Cleaning the Dehumidifier

Clean the dehumidifier housing with a soft damp cloth. Do not submerge or place water on the dehumidifier or control panel. Water may damage the electronic components of the dehumidifier. Do not use chemical solvents such as benzene, alcohol, gasoline or other heavy-duty cleaners. The surface may become damaged or deformed.

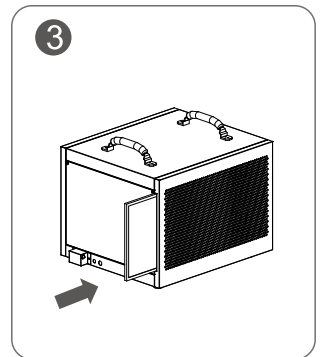
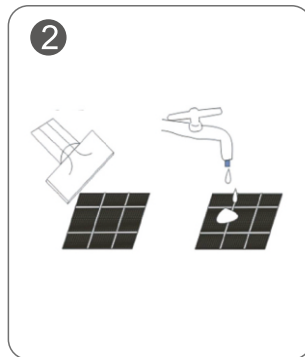
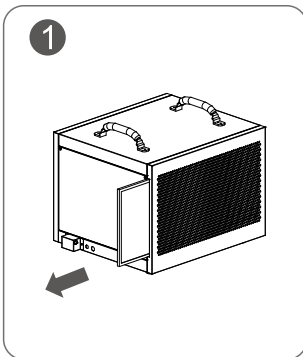
(2)Cleaning the Air Filter

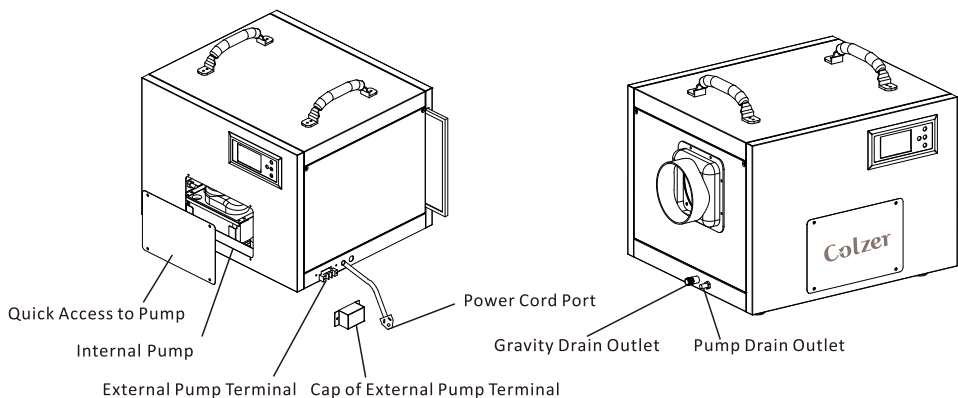
The working performance of the dehumidifier will be greatly reduced if the filter becomes blocked. The air filter should be cleaned approximately every 2 weeks and may require more frequent cleaning if there is significant dander or fur in the air. The air filter is located behind the inlet grill.

Follow the steps below to clean the filter:

- Use a vacuum cleaner with a soft brush attachment to remove any large debris or dust build-up from the filter.
- Wash the filter in lukewarm, soapy water, below 40°C (104°F), or use a neutral cleaning agent.
- Rinse the filter with clean water and dry thoroughly.
- Re-install the filter.

NOTE: DO NOT operate the dehumidifier without a filter because dirt and lint will clog it, hence reducing performance.





(3) Pump Maintenance

If the dehumidifier stops working and displays an E7 error, which means a pump malfunction, please follow the below steps to resume the operation.

- ① Turn off the dehumidifier and unplug it;
- ② Remove the stopper from the Gravity Drain Outlet and plug it into the Pump Drain Outlet;
- ③ Connect the hose to the Gravity Drain Outlet to drain the condensation in the internal water tray out;
(Make sure to run the hose down to a suitable drainage facility that is lower than the Gravity Drain Outlet of the dehumidifier.)
- ④ There 3 optional drainage methods to resume the operation as below:
 - (A) Use the Gravity Drainage: After draining out the condensation in the internal water tray, re-plug the dehumidifier and restart the dehumidifier, the dehumidifier will run and drain automatically by gravity. (Make sure to run the hose down to a suitable drainage facility that is lower than the Gravity Drain Outlet of the dehumidifier, so the condensation can be drained out by gravity.)
 - (B) Connect the dehumidifier to an External Pump to Drain:
 - After draining out the condensation in the internal water tray, remove the cap of the External Pump terminal and plug the external pump into the dehumidifier;
 - Place the other end of the hose that collected to the Gravity Drain Outlet to the external pump inlet and let the external pump drain the condensation water to your desired drainage facility.
 - (C) Replace the Internal Pump to Regain the Internal Pump Function:
 - After draining out the condensation in the internal water tray, remove the pump cover on the side of the dehumidifier;
 - use a screwdriver to unscrew the fixing frame that fixes the water pump;
 - Disconnect the water pipe that connects to the pump;
 - Place the new pump in, fix it in the fixing frame, connect the water pipe back;
 - Test whether the pump works and no water leakage;
 - Replace the pump cover in the dehumidifier, and then start the dehumidifier to test to make sure the pump replacement works well.

SPECIFICATION

Name	Dehumidifier	
Model No.	CD70P	CD120P
Voltage/Frequency	AC 110-120V ~ 60Hz	AC 110-120V ~ 60Hz
Rate Power(95°F, 90%)	900W	1640W
Rate Current(95°F, 90%)	8.0A	14.5A
Moisture Removal (65°F, 60%)	50 Pints/Day(23.6L/Day)	78 Pints/Day(37.5L/Day)
Moisture Removal (80°F, 60%)	70 Pints/Day(33.2L/Day)	120 Pints/Day(56.8L/Day)
Moisture Removal (86°F, 80%)	116 Pints/Day(54.9L/Day)	179 Pints/Day(85.9L/Day)
Moisture Removal (95°F, 90%)	145 Pints/Day(68.6L/Day)	212Pints/Day(100L/Day)
Input Power (65°F, 60%)	515W	950W
Input Current (65°F, 60%)	4.7A	8.7A
IEF (65°F, 60%)	1.80 liters/kWh	1.50 liters/kWh
Motor FLA	0.9a	1.3a
Motor Compressor	RLA:6.4A LRA:30A	RLA:11.8A LRA:58A
Refrigerant	R410A/14.1oz(400g)	R410A/19.4oz(550g)
Max. Allowable Pressure	601PSIG(4.15MPa)	601PSIG(4.15MPa)
High PRESSURE	508PSIG(3.5MPa)	508PSIG(3.5MPa)
Low Pressure	240PSIG(1.65MPa)	240PSIG(1.65MPa)
Air Outlet Duct Size	150mm	200mm
Dimensions	(577mm+76mm)×500mm×415mm	(647mm+90mm)×536mm×477mm
Weight	43kg	52kg
Pump Drain Height	5m	5m

This dehumidifier is designed to operate with a working environment between 41° F (5° C) and 95° F (35° C). This dehumidifier may not work properly when the room temperature is less than 41° F (5° C) or higher than 95° F (35° C).



TROUBLE SHOOTING

1. Error Codes

Error Code	Error Description	Mark
E0	The 2nd Defrosting Temperature Sensor Fault	Press any button on the control panel will eliminate the audio alert. The dehumidifier can still work to dehumidify.
E1	Humidity Sensor Fault	
E2	The 1st Defrosting Temperature Sensor Fault	
E4	Inlet Temperature Sensor Fault	
EA	The 3rd Temperature Sensor Fault	
Eb (Eb)	The 4th Temperature Sensor Fault	After troubleshooting, unplug the dehumidifier and then re-plug it in to eliminate the alert.
E3	Power Phase Fault (Missing phase or Reverse phase)	
E5	High-Pressure Fault	
E6	Low-Pressure Fault	
E8	Compressor Current Overload Fault	
E9	Fan Current Overload Fault	
E7	The water bucket of the pump is full	
Ec (Ec)	Display Fault	You are unable to control the dehumidifier via the control panel.

When E1, E2, or E4 error displays, you can hear an alarm that could last 15 seconds. In this case, the dehumidifier is still running. You can follow the below steps to eliminate the error message:

- Pressing any button on the control panel to eliminate the alarm.
- Turn off the dehumidifier and unplug it to check if any obstructions.
- Restart the dehumidifier 10 minutes later.

If the ERROR message does not disappear after the restart, immediately contact COLZER customer service at service@colzer.com.

2. Trouble Shooting

The below chart will help you solve common problems that may occur. If the problem you come across can not be fixed after troubleshooting or the problem is not listed in the below troubleshooting chart, please contact COLZER customer service to obtain professional support.



Problem	Possible Cause	Solution
Dehumidifier does not operate	No power to dehumidifier	Plug it into a working outlet
	Not turned on	Turn the dehumidifier on
	Has not set it properly	Make sure the set humidity level is at 3% lower than the inlet humidity reading
	Error code displays	Contact customer service
Dehumidifier collects little water	Insufficient working time	Allow more working time
	Filter is blocked	Clean filter
	Air Inlet or Outlet is blocked	Clear the obstructions
	Low ambient temperature	Heat up the room
	Condensate hose is blocked	Check hose for restrictions
Dehumidifier operating, but room not dry	Doors and windows are open	Seal room from external areas
Noise	The dehumidifier has not been placed properly.	Place the dehumidifier in a horizontal position
	Filter is blocked	Clean filter

Note: It is normal that the dehumidifier pulls warm air out.



WARRANTY

COLZER offers a limited 3-year free warranty on this dehumidifier CD70P/CD120P, with original proof of purchase (typically you maybe only requested to offer the order number instead of an invoice) and where a defect has arisen, wholly or substantially, as a result of faulty manufacture, parts or workmanship during the warranty period.

The warranty does not apply where damage is caused by other factors, including without limitation:

- (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 modifications of the product other than by COLZER.

The COLZER warranty covers all costs related to restoring the proven defective product through repair or replacement of any defective part and necessary labor so that it conforms to its original specifications. A replacement product may be provided instead of repairing a defective product.

COLZER's exclusive obligation under this warranty is limited to such repair or replacement.

We recommend that you register your product on our website <https://colzer.com/pages/join-vip>.

Although greatly appreciated, the product registration is not required to activate any warranty and product registration does not eliminate the need for the original proof of purchase.

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

Website

www.colzer.com

Email

service@colzer.com

