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PUREAIRO

DUAL X

Installation & Operations Manual

Key features:

- Smart Wi-Fi & APP control
- Built-in Condensate Pump
- Environmental R410A Refrigerant
- Water-Full Protection
- Automatic Humidistat Control
- Rotary Compressor
- MERV-8 Filter



**WARNING**

Please read and understand these warnings and instructions before using the machine.
Do not operate this device with the case opened or canceled.

WARNING

Do not adjust or correct the machine in any way. Only use and replace parts authorized by ALORAIR products. Modify or use approved parts It may cause danger or damage the machine, and the warranty will become invalid. You should contact your dealer for assistance in this regard.

**WARNING**

Make sure to unplug the power plug before servicing.

**RISK OF ELECTRIC SHOCK**

Before opening the machine cover, make sure to unplug the power cord. Make sure the power cord is properly grounded. Check that the power cord is not damaged. If the plug is damaged, do not use the machine.



Be careful that moving parts can injure your hands. Make sure the power plug has been unplugged before servicing.



The surface of the device may be hot. Allow the equipment to cool before performing maintenance procedures.

TABLE OF CONTENTS

Overview	02
Features	02
Specifications	02
Operation Notes Guidelines	03
Operation	04
Troubleshooting	09
Maintenance	10
Wiring Diagram	12
Warranty	12

OVERVIEW

DUAL X has an extremely high water-repellent capacity, which makes the machine an authorized machine to meet recovery needs. The flexible installation makes it ideal for almost all applications. It is the best choice for all urgent post-water injection repair tasks (elimination of moisture and early prevention of mold growth). Its wide range of applications include flooding and restoration, carpet cleaning, laundry, merchants, garages, etc... or anywhere you need to extract moisture at a professional level.

New generation surface scratch resistance polyethylene shell 25% than the previous generation. The self-developed rotating shell design is easy to maintain and beyond imagination. Telescopic handles and rubber tires are stacked together for easy transportation. Under the condition of unchanged performance, the volume of the whole machine is 40% smaller. Simplified user controls include a large LCD display and APP control. It can control the dehumidifier at home anytime and anywhere, plus the built-in pump to pump water through the dehumidifier more intelligently.

FEATURES

- 1 Smart Wi-Fi & APP control
- 2 Easy clean – shell can be opened to access all components
- 3 Easy to store wires and hoses
- 4 Built-in Condensate Pump
- 5 Environmental R410A Refrigerant
- 6 Sturdy handle-Large Diameter Wheels
- 7 Microchannel Cold a Heat Exchanger
- 8 Rotational Molded Body
- 9 Superior Stacking
- 10 Rotary Compressor
- 11 Ducting Options
- 12 Water-Full Protection
- 13 Automatic Humidistat Control
- 14 Quick Connection to Cable/Hose
- 15 Memory Starting
- 16 MERV-8 Filter
- 17 Low Temperature

SPECIFICATIONS

Water removal per day (26°C-60%, AHAM)	37
Water removal per day (30°C-80%)	48 L
Power	6.1A/2.8A, 220V / 50Hz
Size For	1,300 Sq.Ft
Airflow	150 CFM, 250 CMH
COP	3.0 L/KWh
Unit Dimensions (L×W×H)	380 x 372 x 587 mm
Weight	32 KG
Functioning Humidity Range	25 ~ 80%
Temperature Range	1 ~ 40°C
Sound Level	58 dBA

OPERATION NOTES GUIDELINES

The unit should be operated stored and transported on stable surfaces. For efficiency purposes, the windows and the doors should be closed avoid placing the unit in a place where the air outlet and inlet are blocked.

1 Drain Hose Notes

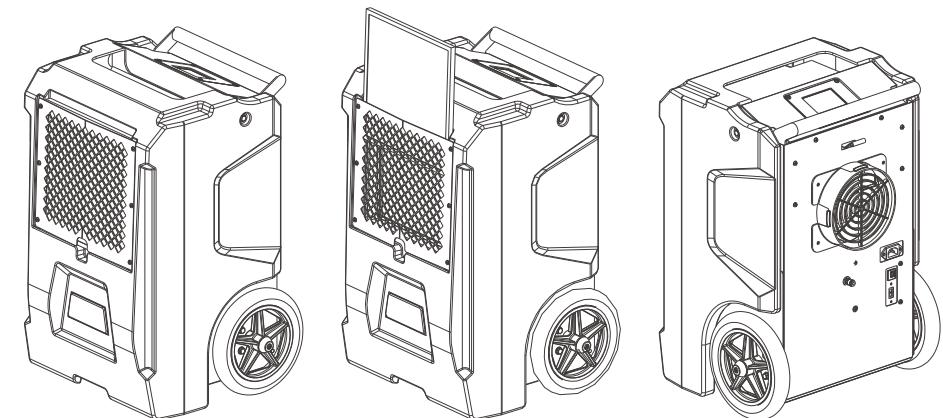
- It comes with a drain line connection that is easily plugged in the unit .
- The drain line may be directed into the drain or the sink .
- For proper drainage, uncoil the hose before you deploy it to use.
- The end of the hose should never be placed at the height of 15 feet.
- Always ensure that the drain hose is not blocked before you embark on using it.

2 Transportation Notes

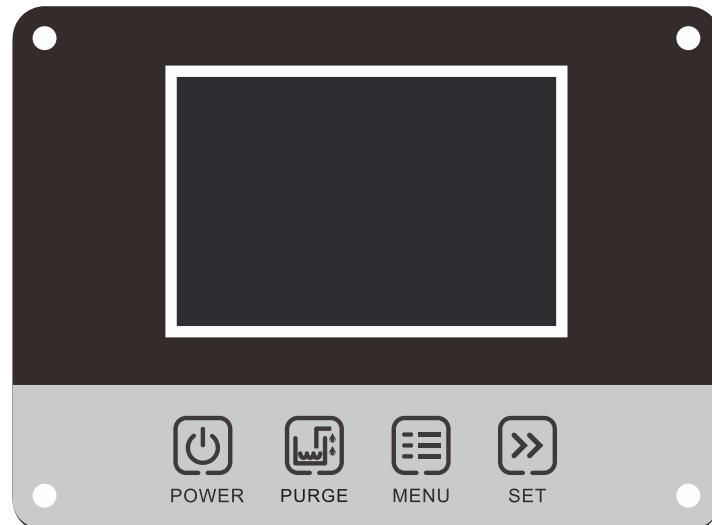
- During transportation, you must secure the dehumidifier using elastic bands
- If the unit is transported vertically, let it stand in a normal position for not less than 30 minutes before using it.

3 How it works

- The dehumidifier uses an integral humidistat in monitoring the conditioned space. As soon as the conditions get beyond the desired level, the air is energized. The compressor will then push it across the evaporator coils. The coil is cooler than the dew point. So the water vapor will be forced to condensate into liquid. The cool air will then be reheated before it is distributed into the room.



OPERATION



 Press the **POWER** button to turn the dehumidifier ON and OFF.

 Press the **PURGE** button to purge the machine.

 Press the **MENU** button to advance to the next screen or to enter a value.

 Press the **SET** button to scroll through a available values.

STARTUP

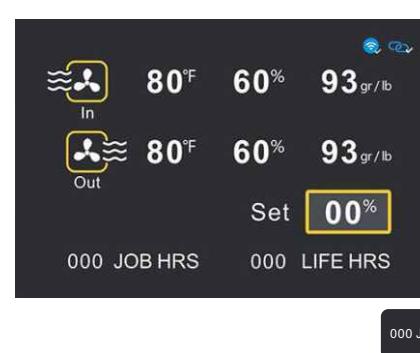
1 When the unit is plugged in you will see the CADPXS LOGO.



2 The display will inform the machine is in shutdown mode, press the "Power button" to turn on.



3 When the machine is in dehumidification mode, the display will show:



IN: Temperature, Humidity, GPP of the current inlet. GPP= Grains per pound (GR/LB)



OUT: Temperature, Humidity, GPP of the current outlet. GPP= Grains per pound (GR/LB)



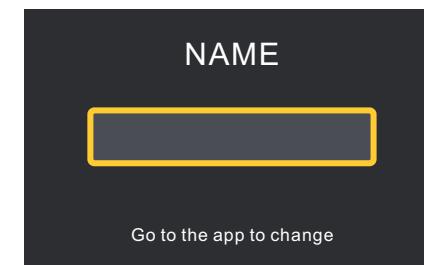
SET: The humidity value currently Set (the machine will stand by after the humidity reaches the Set value)

000 JOB HRS

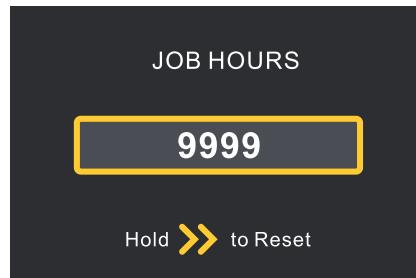
000 LIFE HRS

Job hours and Life hours display

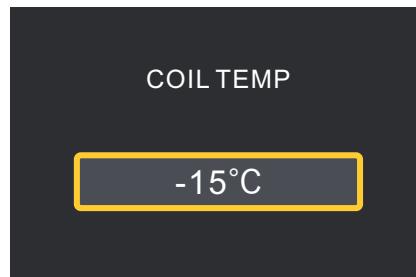
4.1 Press the **MENU** button to enter the submenu. Device name displayed on the screen. Go to the APP to change only applicable to an app-controlled dehumidifier. Press the **MENU** button to confirm selection and advance to the next screen.



4.2 Display the working hours of this time. Press the MENU button to confirm selection and advance to the next screen.



4.3 The screen displays the Coil temp. Press the MENU button to confirm selection and advance to the next screen.

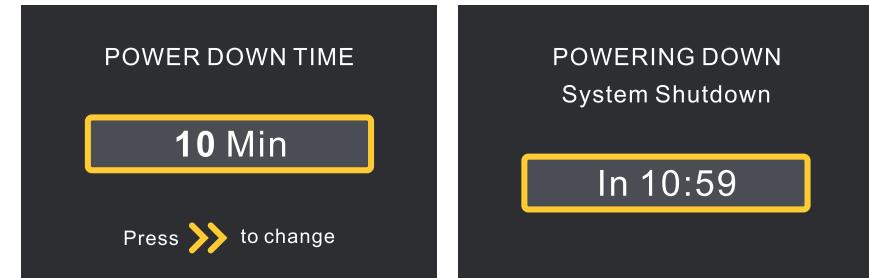


4.4 Wifi Hotspot

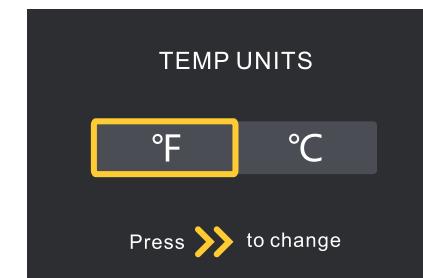
Factory setting is "OFF", press "set button" to enable Wifi hotspot and switch ON/OFF. The device can transmit data and receive APP commands. The icon flickers when connected to the main interface. After a successful connection, the icon displays normally. Only applicable to APP-controlled dehumidifier. Press the MENU button to confirm selection and advance to the next screen.



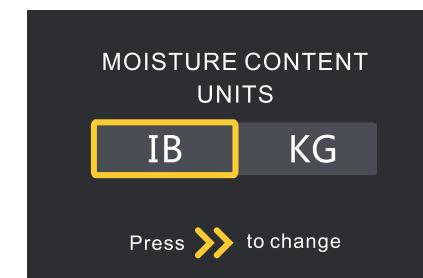
4.5 Press the "power button" to turn off the dehumidifier, the dehumidifier will go through a shutdown cycle. The shutdown cycle can be adjusted according to "Settings", and the shutdown cycle can be adjusted from 3 minutes to 20 minutes to better drain the water.



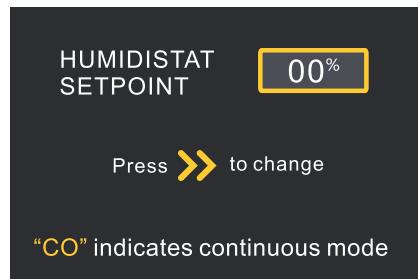
4.6 Press the Set button to toggle the temperature units between °F and °C. Press the MENU button to confirm selection and advance to the next screen.



4.7 Press the "Set button" to switch GPP units between gr/lb. or gr/kg. Press the "MENU button" to confirm the selection and advance to the next screen. GPP= Grains per pound (GR/LB).

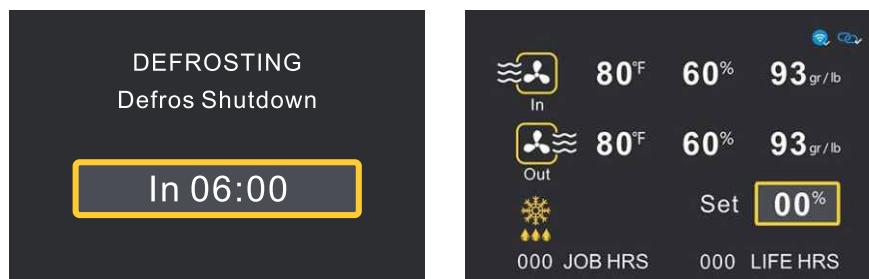


4.8 Press the “Set button” to adjust the set point RH% in 5% increments ranging from 25 to 80% RH. and then. **loop back** to CO. Adjust to CO mode, dehumidifier always running. Press the “MENU button” to confirm selection and advance to the next screen.

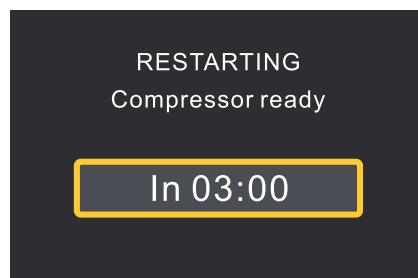


4.9 The display prompts the user that the defrost cycle is in progress.

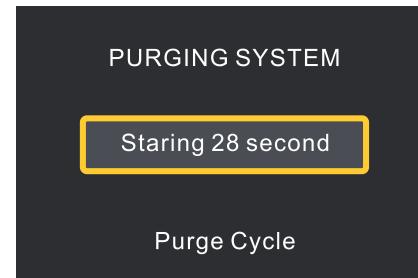
The defrosting status is displayed on the main interface as a flashing icon until the defrosting ends and the defrosting lamp disappears. In the meantime, please wait patiently for the machine to finish frosting.



5.1 The compressor is in a protective condition. During this period, please be patient and wait for the countdown to end. The dehumidifier will automatically turn on after the countdown.



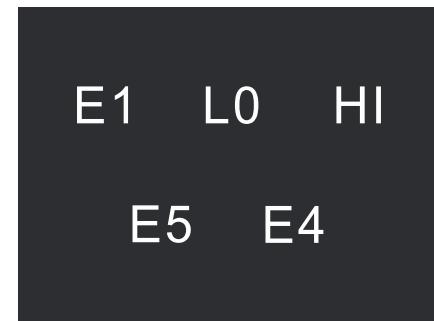
5.2 When the purge button is pressed the display will tell the user on the dashboard that the pump is draining and display a 30-second countdown timer. Until the machine finishes draining, the display will also prompt the user on the dashboard that the machine is draining automatically, and display a 30-second countdown.



TROUBLESHOOTING

If the machine has an error and needs service, the onboard control system will display a diagnostic code. If E1, E4, HI or LO is displayed on the vehicle control screen, please refer to the following:

- 1 **E1:** Humidity Sensor or Communication Error
Solution: Check to ensure that the sensor wire is connected at both ends, if no issues are visible, the sensor may be faulty.
- 2 **E4:** Problem with Pump
Solution: Verify that the pump is properly installed and functioning. If so, unplug the unit for two minutes, then restart.
- 3 **LO:** Room Temperature is below 35.6°F
Solution: Increase the room temperature so it is within operation range (above 35.6°F). If error is still displayed, check the sensor.
- 4 **HI:** Room Temperature is above 105°F
Solution: Decrease the room temperature so it is within operating range (below 105°F). If error is still displayed, check the sensor.
- 5 **E5:** Refrigerant Leak
Solution: Contact us for Assistance.





Wi-Fi connection successful.



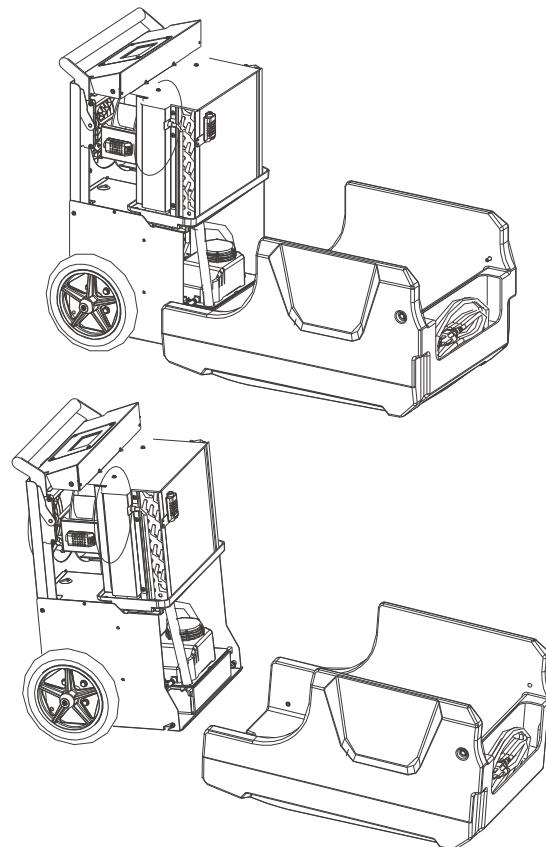
Connection to server failed



Hotspot direct successful icon

MAINTENANCE

- 1 Remove the two screws on the mold cover.
- 2 Rotating shell
- 3 Tilt the machine at a certain angle to remove the casing from the machine
- 4 Clean the inside of the machine. Soap insolvents should not be used.



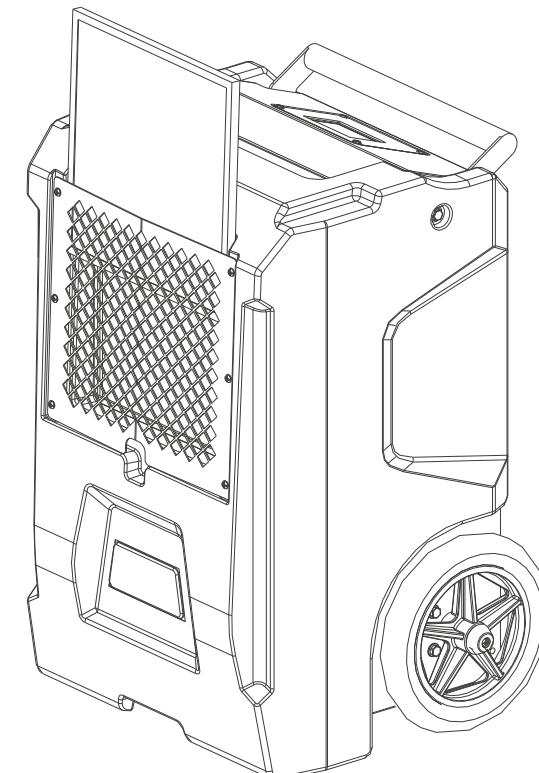
CLEANING THE MACHINE BODY

- 1 Use a soft, damp cloth to clean the exterior parts of the unit. Do not use any soap or solvents.

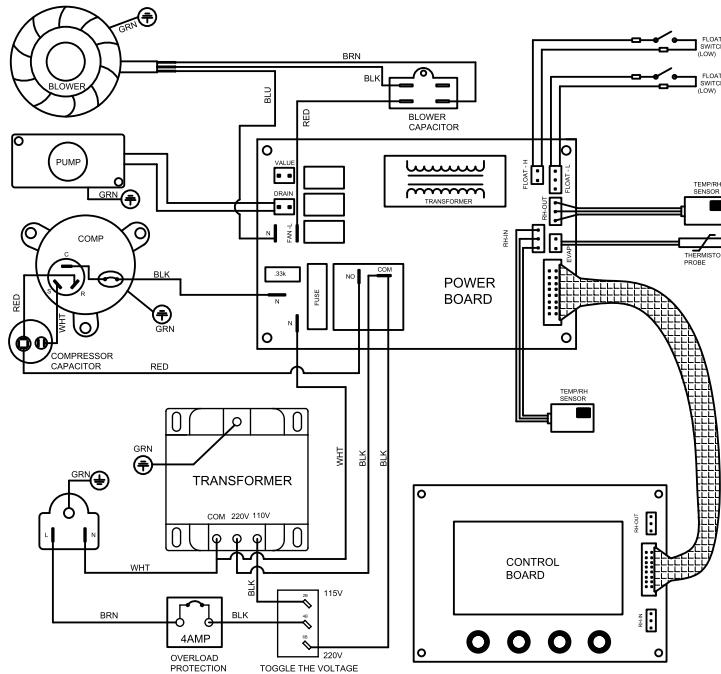
PROCEDURE FOR FILTER MAINTENANCE

The dust and obstacles on the filter should be removed regularly. You may need to clean and replace the filter.

- 1 Unplug the unit
- 2 Remove the filter by sliding it upward from the bottom by hand to remove it
- 3 Check for dirt and build-up
- 4 For MERV-8 or Pre-filter, wash it in warm water or vacuum it. Do not use soap or cleaners. Also, shake it gently and ensure the filters are dry before reinserting it.



WIRING DIAGRAM



WARRANTY

The warranty benefit applies to the original owner only and cannot be assigned or transferred to another person.

Pureairor warrants that one year from the date of purchase, the dehumidifier will operate free from material or workmanship defects. Pureairor will replace or repair any malfunctioning components free of charge.

Pureairor warranties that for 3 years, the refrigeration circuit, evaporator, condenser, and compressor will operate free of workmanship and material defects. Pureairor, at its discretion, will replace the parts considered to be defective or faulty. But this does not include refrigerant, transportation, and labor cost.

The customer's Responsibility

To qualify for the warranty, the customer will need to do the following

Provide maintenance and normal care which is not limited to cleaning the coils, the filters and the pumps.

Remove and reinstall the unit

If the customer cannot return the unit to a certified repair center, the freight shipment will be borne by the customer. They will also pay all the duties related to the shipment, including wrapping, labeling, palletizing, and picking up the unit.

If the product is shipped, the risk of damage or loss will be borne by the customer.

Pureairor Warranty Steps:

As soon as you receive the product, you will need to log into www.Pureairor.com and fill the warranty registration form. You will need to submit the form to us so that we can save and file it. If you do not send the warranty information, the warranty period will be commenced when the shipment took place or the day the goods left our warehouse. Ensure to record the serial number and the date it was installed. This information is vital because it will help us to process the RA number.

If the warranty service is required, the customer must get in touch with Pureairor Tech support team. You can do this by contacting support at sales@pureairor.com. They will then issue a Return Authorization (RA).

- 1 As soon as the RA is issued, the customer will be required to dispatch the product to a certified center to have it repaired. We will then arrange so that the unit is shipped to Pureairor warehouse. This will be done at the expense of customers.
- 2 Once the unit has been received either at the warehouse or repair center, Pureairor will carry out the initial inspection. If the warranty is invalid, the customer will pay for the cost of repairs and the shipping costs associated with the unit's repair.
- 3 The customer may pick the unit after it is dully repaired at their own expense for shipping. Lastly, we will ensure that the unit is rigorously tested before it is sent to the customer.
- 4 If the unit cannot be repaired or fixed and the warranty claim is valid, we will ship a new product to the customer within the same year of warranty starting from the date the replacement took place.
- 5 Once the parts are replaced or repaired, the original warranty period will continue to run until it expires. There will be no extension of the warranty period whatsoever.