

DEHUMIDIFIER USER MANUAL



Please keep this manual for further reference

Dear customers:

Thank you for selecting this unit from our vast line of dehumidifiers.

Please take a few minutes to read this manual prior to plugging it in.

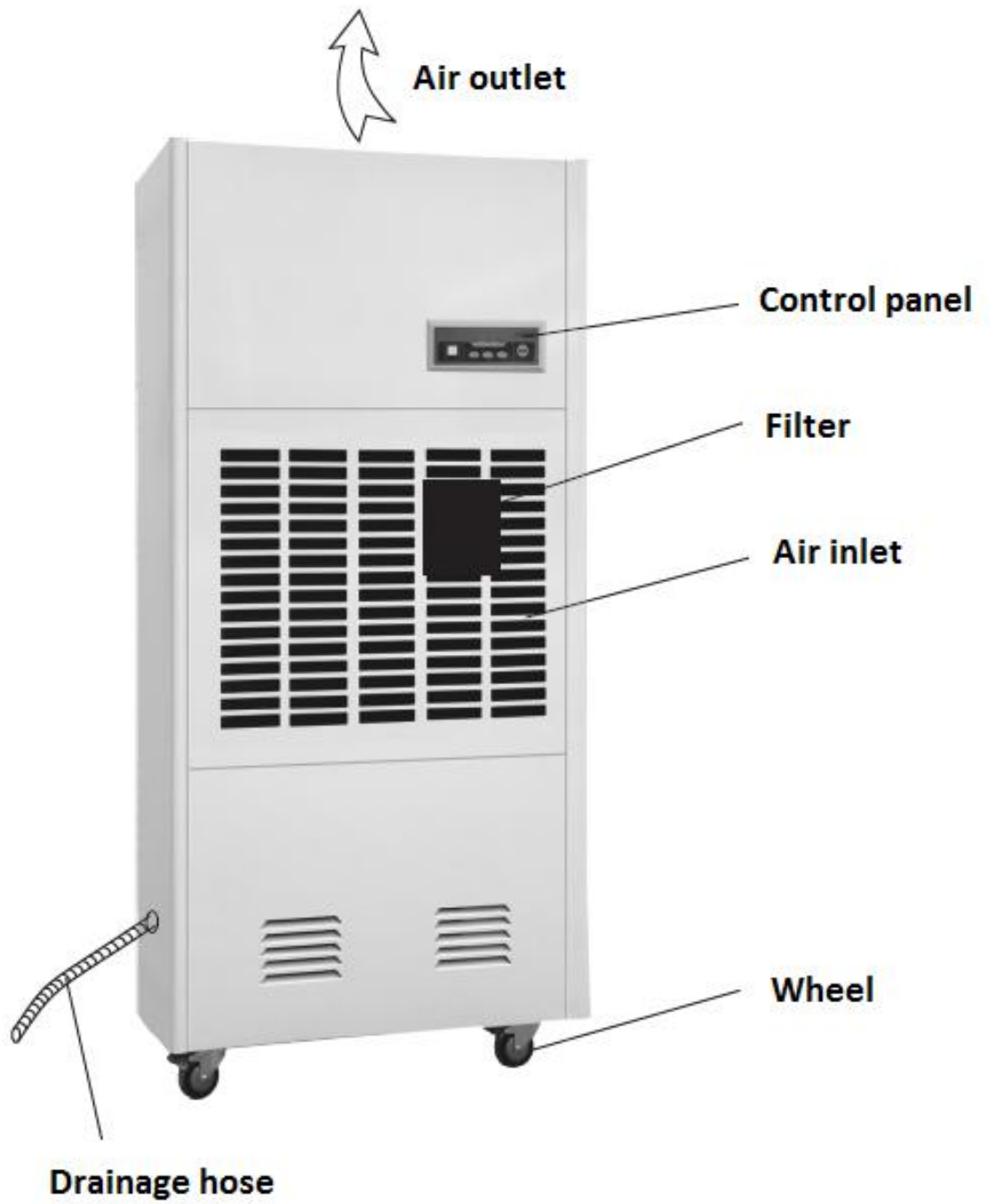
It will be important to keep and refer to this manual as it will explain overall proper use and maintenance.

SAFETY INFORMATION

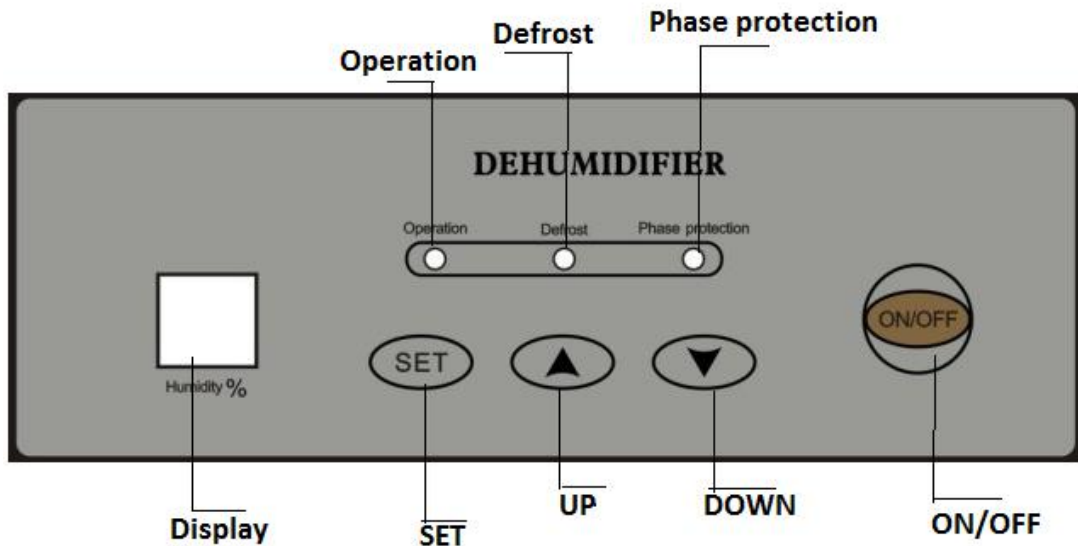
1. Ensure that your power supply matches the units requirements. Refer to the label (metal ID tag) on the unit.
2. In order for proper water evacuation/drainage, this unit must be placed on a level surface. Ensure that the drainage hose is not blocked or kinked in any way.
3. Any and all maintenance must be carried out by qualified HVAC technicians.
4. Avoid placing the unit close to sources of heat.
5. This unit is meant for indoor use only.
6. When cleaning the unit, specifically the "coil" , it is important to only use specialized HVAC cleaners (IE: FOAM) – Any and all non-specific types of acids or cleaners could damage the unit and will void any and all applicable warranties.
7. If and when this unit is transported, it must remain unplugged for 4 hours prior to use. Should the unit have been placed on its side, DO NOT plug it in without waiting a 12 hour period.
8. Ensure to avoid spraying or splashing water on the unit as this may cause the control panel to malfunction.
9. Only use 220V-240V AC connection.
10. This high-output unit is intended to be used in laboratories, hospitals, commercial buildings, greenhouses, homes and/or any other commercial use.

11. The A-weighted emission sound pressure level at workstations will not exceed 70dB, the peak C-weighted instantaneous sound pressure value at workstations will not exceed 63Pa.
12. This unit should be placed in a manner that allows the air to flow freely into the intake (front) and out of the vents (top). For proper functionality, we recommend a minimum of 1 meter.
13. A humidity level of 30% or more is recommended for optimal performance.

PARTS LIST



KEYS AND DISPLAY SYMBOLS



This dehumidifier is automatically controlled via the digital control panel at the front of the unit. Settings are between 10% to 95% R/H.


Key Functions:

1. ON/OFF-key: Turn the device on and off.
2. 'Up/down'-keys: Set the desired moisture level. Keep pressing the up- or down- key (the value will run fluently towards the chosen direction) and let go when the desired value is reached.
3. CPU fault protection features:
 - a. Auto-defrost protection: compressor will essentially go "offline" while allowing the fans to circulate air through the refrigerative coil.
 - b. Compressor Auto-delay function: Once the compressor has

stopped or demand has been reached, there will be a 3 minute time-delay prior to re-starting.

c. Fault code: see the below fault code indication.

PERIOD OF PROCESSING

	1. Waste electrical products should not be disposed of with household waste.
	2. Please recycle where facilities exist.
	3. Check with your local authority or local store for recycling advice.

TECHNICAL INFORMATION

Name	Dehumidifier
Model	DH-5240C
Dehumidify Capacity(30°C,80%RH)	240Liter/Day
Min./Max.Temperature	5-35°C
Refrigerant	R410a
Voltage	220V~240V/60Hz, single phase
Power	4.8KW
Current	25A
Net weight	148kgs

Dimension	470x770x1700mm
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IMPORTANT INSTRUCTION

- Due to the built in time delay, the compressor will only start functioning after 3 minutes.
- The ideal environment temperatures for this unit to function optimally are between +5°C up to about +32°C.
- As previously mentioned, when the unit enters “defrost” mode, the cooling fans will continue to work after the compressor is offline.
- It is highly recommended to clean the filter once a month. Carefully clean it with clear warm water. Improper filter cleaning can void warranty.
- Leave a safe distance between wall and air inlet & air outlet.
- Should a fault code appear, it will be important power off the unit immediately.

AUTOMATIC DEFROSTING FUNCTION

NOTE:

- It is VERY important to avoid tilting the unit more than 45°, Both when operating as well as when transporting.
- If the unit was tilted by accident, DO NOT plug it in without waiting a 12 hour period.

ERROR MESSAGES

ERROR	REASON	SOLUTION
E1	Coil Sensor-Error	Change to defrost mode via timer. Cancel the error code .
E2	Temperature Sensor-Error	Change continuous running mode.
E3	Moisture Sensor-Error	Cancel the error code, temperature is too high
E4	System-Error	Refrigerant leaks / Tube blocked t
E5	Room Temperature is too high	Lower the room temperature and dryer will restart automatically
E6	Lack of phase, phase wrong	Power/Voltage issue.
E7	Current is too high	Correct the current

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

ERROR ANALYSIS

ERROR	ERROR	SOLUTION
Dryer does not work	<ul style="list-style-type: none"> ● Device has no power ● Main plug is not plugged in properly ● Display shows error code E4 	<ul style="list-style-type: none"> ● Ensure unit is plugged in. ● Connect the mains plug properly
Bad Dehumidify Performance	<ul style="list-style-type: none"> ● Filter is dirty ● Air inlet or air outlet is covered. ● Room is not closed. Low moisture and temperature. 	<ul style="list-style-type: none"> ● Clean the filter. ● Uncover Air inlet and outlet ● The lower the room temperature the less efficient the unit will be.
High Noise Level	<ul style="list-style-type: none"> ● Device was not put on even ground ● Air inlet or air outlet is covered 	<ul style="list-style-type: none"> ● Position the device on even ground ● Uncover Air inlet and air outlet