



Dehumidifier LMHU-A102

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1. Safety Measures

- Read the instructions carefully given in the manual and pay attention to following safety measures.
- Have a glance at the construction manual for future reference.
- Check if the main voltage matches the label on the device
- Do not pull the main plug to unplug the device from the socket
- The sockets must be properly and securely earthed.
- Should not cover the building dryer when it is been used, do not put clothes or other objects on it. Only use the dryer on sturdy and even ground
- Repairs must be carried out by qualified experts with appropriate knowledge about the product.
- Do not use adapters, supplementary connections, or plug-in connectors to connect the device to the power supply.
- Do not put any heat like radiation or any heaters near the device.
- Keep the product protected from direct sunlight and adverse weather conditions, such as wind, storms, and rain.
- Avoid using the product near chemicals and acids, as they may damage the collection container or potentially the entire device.
- Disconnect the device from the power source if it will not be used for an extended period or when you need to clean it.
- When using permanent drainage, ensure the hose is straight and water flows freely, and avoid using it in freezing temperatures.
- "Be careful not to damage or run over the cables when moving the device.
- Protect the device from splashing water.
- Unplug the device if problems like smell of burning occur while using it.
- Only the earthed sockets must be used with 220-240V.
- Ensure that neither the dryer, the power plug, nor the socket is dusty.
- This appliance is designed for use by skilled or trained individuals in commercial settings, light industries, farms, or by non-experts for commercial purposes.
- The A-weighted emission sound pressure level at workstations does not exceed 70dB, and the peak C-weighted instantaneous sound pressure value at workstations does not exceed 63Pa.
- The product should be used on the back from the wall at a distance of at least 30cm, the side away from the wall at least 50 cm.
- This appliance is not meant for use by individuals, including children, who have limited physical, sensory, or mental abilities, or who lack experience and knowledge unless they are supervised or instructed on how to use it by someone responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons to avoid a hazard.
- If the humidity of the working environment is less than 30%, the use of the dehumidifier is not recommended.
- Waste electrical products should not be disposed of with household waste.
- Kindly recycle where facilities exist.
- Check with your local authority or local store for recycling advice

2. Introduction

Dehumidifier LMHU-A102 extracts up to 138 liters of moisture per day at a temperature of 30°C. It is designed based on air principal theory, optimizing airflow for efficient dehumidification. Our unit includes a delayed startup feature to prevent damage during power fluctuations. Features a filter that prevents dirt and debris from entering the machine. It is equipped with handles, universal wheels, and larger wheels for easy movement.

3. Features

- Thermal Protection Program
- Failure indication and alarm
- Easy to operate
- High-quality compressor
- Self-defrosting
- Precise digital control system

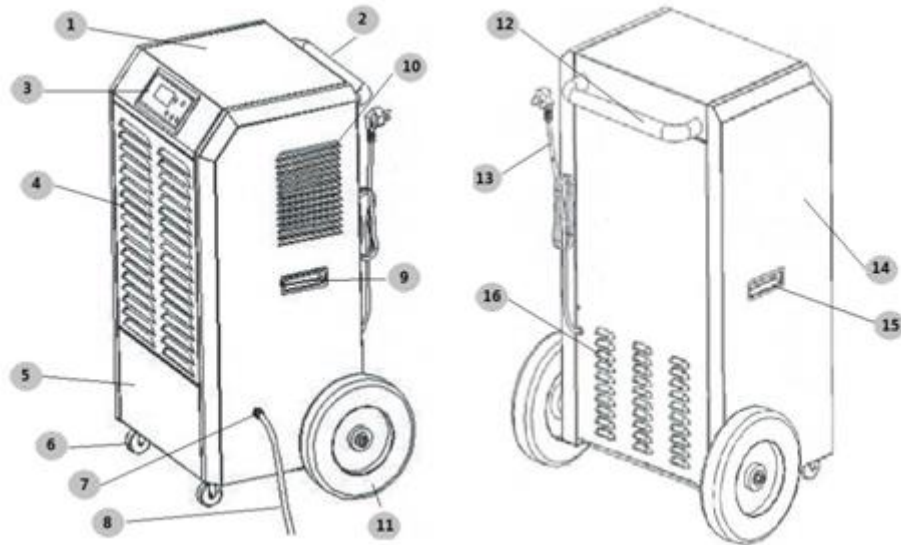
4. Specifications

Model Name	LMHU-A102
Dehumidifying Capacity	138L/D at 30°C and 80%RH
Working Temperature	5 to 38°C
Circulating Air	1300M ³ /h
Refrigerant	R290 (300g)
Drainage Method	Direct drainage
Noise Level	≤58dB
Applicable Space	120 to 160 sq. M with a ceiling height of 2.6 to 3m.
Power consumption	1300W
Power supply	220 to 240V/50Hz/1PH
Dimensions	640 × 490 × 850 mm
Weight	47kg

5. Applications

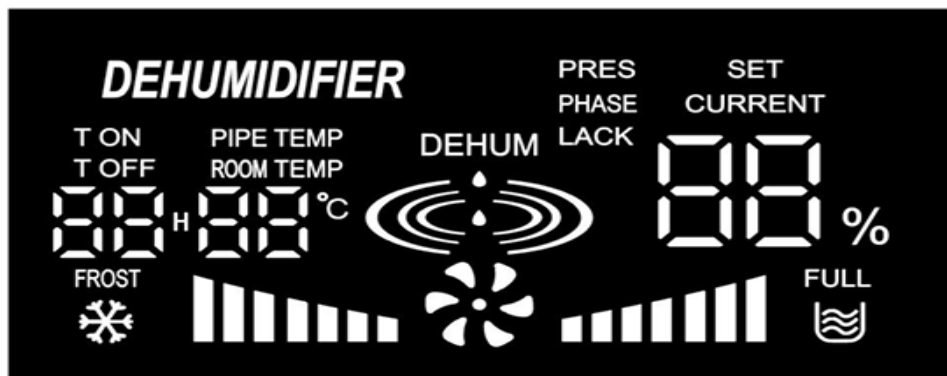
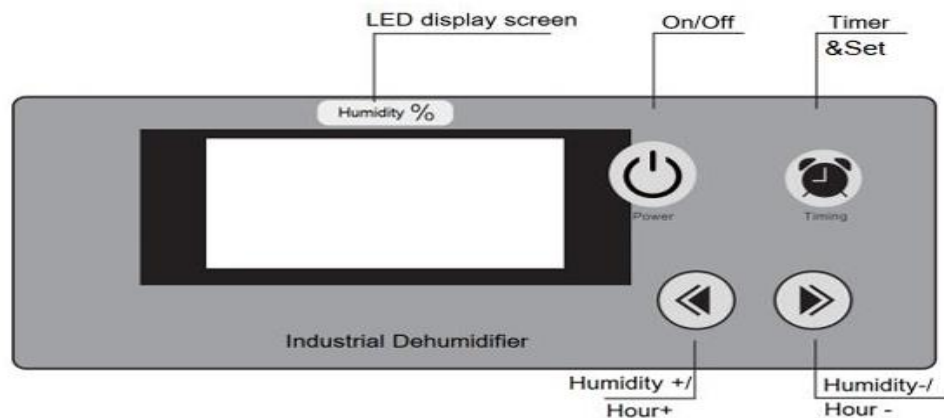
Dehumidifiers prevent Mold and improve air quality in homes, protect products in industrial settings, and maintain freshness in food storage. It is also used in healthcare, laboratories, construction sites, and museums to control humidity levels.

6. Instrument Introduction



1. Top Cover
2. Back handle
3. Control Panel
4. Front air inlet
5. Front down plate
6. Small Wheel
7. Drainage connector
8. Drainage Hose

9. Side Handle
10. Air outlet
11. Big Wheel
12. Back Handle
13. Power cord
14. Right side plate
15. Side Kick out
16. Heat Leakage



Keys and its function:

1. The Power Button is for on and off.

Press this button to turn on the machine. It will enter start-up mode after the buzzer sounds twice. Press this button to turn off the machine. It will enter stop mode after the buzzer sounds once.

2. Timer and Set Button

- Press this button once to enter the RH (humidity) setting mode. Press it twice in a row to enter the Auto-on setting mode. Press it three times in a row to enter the Auto-off setting mode.
- Press this button successfully four times, it enters the mode of defrosting time setting.
- Press this button successfully five times and it back to the original interface.

3. + Button

Press the button once to increase the RH level by 1% each time.

In Auto-on/off setting mode, press the button to increase the number of hours.

4. – Button

Press it directly, to deduct the RH level; 1%/time.

While Auto-on/off setting mode, press it to small the numbers of “Hour.

7. Operations

- Connect the device to the power source. The device will confirm this connection with an audible signal. Subsequently, the display will present the environmental moisture level.
- The humidity level can be adjusted from a minimum of 10% to a maximum of 90%. During this adjustment, the dehumidifier mode indicator will flash.
- Once you have set the desired humidity level, wait for 5 seconds to allow the dehumidifier to save the setting. The dehumidifier mode indicator will stop flashing, and the dehumidifier will begin operation. The display will then show the updated environmental moisture level.
- Before operating, place the machine on a horizontal, stable surface.
- The appliance shall be installed per national wiring regulations.
- The cord of H05VV-F 3G 1.5mm² with plug connects the appliance.
- The compressor turns itself on three minutes after turning on the dryer.
- The ideal temperature for the dryer to work in is from about +5°C up to about +32°C.
- When the device defrosts the cooling fan works properly but the inserted compressor switches off.
- It is recommended to clean the filter once a month. Carefully clean it with clear warm water.
- Leave a safe distance between the wall and air in and air outlets.
- Unplug the device and attach the mains plug to the product if it is not in use over a longer period.
- At low temperatures the device will start defrosting automatically. During this phase, the cooling fan works properly but the inserted compressor switches itself off.
- The 'Automatic Defrosting' symbol and the 'FAN'-key flash
- Avoid tilting the device more than 45 degrees, both during movement and while it is in operation.
- If the dryer is accidentally tilted, do not use it for 12 hours

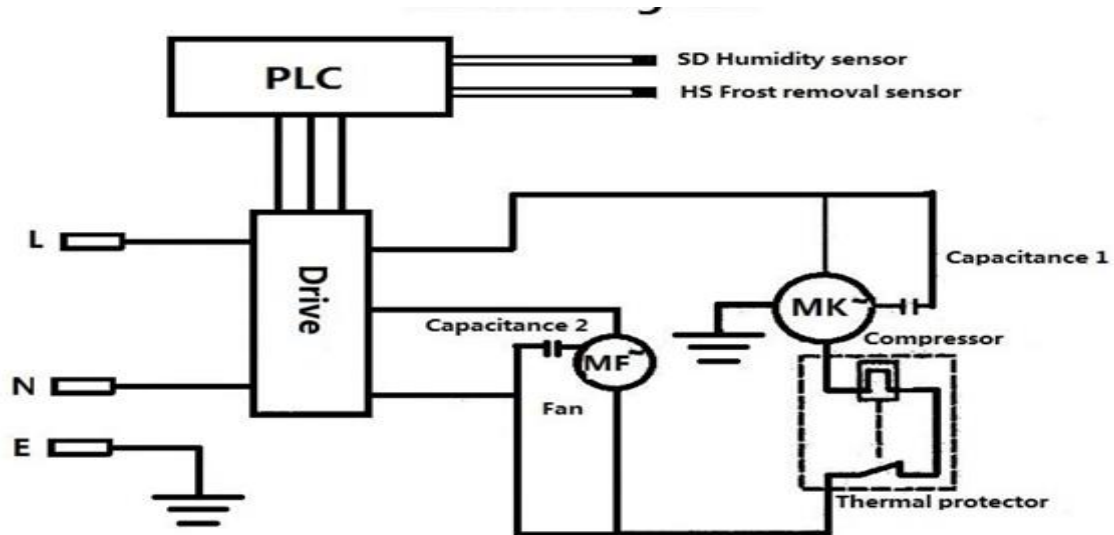
8. Troubleshooting

Problems	Cause	Solution
The dehumidifier cannot work	1. Power cut 2. The power switch is not energized 3. The power cord is not connected. 4. The fuse is melted.	1. Recover the power 2. Energize the power 3. Connect the power cord Replace the fuse
Dehumidification is not ideal	1. Dust accumulated in the air purification filter mesh 2. Object-blocking air inlet and outlet 3. The door or window is open 4. Refrigerant is leaking	1. Clear the filter mesh 2. Remove the blocking object.
Water leak	1. The machine is inclined. 2. The water pipe is blocked.	1. Level the machine 2. Remove the blocking object.
Abnormal noise	1. The machine is not placed solidly 2. The filter mesh is blocked.	1. Place the machine firmly. 2. Clear the filter mesh.

ERROR CODES

Code	Problem	Solution
E1	Temp sensor failure	Change temp sensor
E2	Humidity sensor failure	Change humidity sensor
E3	High-pressure alarm in exhaust air (on 380Vunitonly)	Check fan motor
E4	Low-pressure alarm in return air (on 380Vunitonly)	Check the pressure for refrigerant
E5	Indoor-temp sensor failure	Change Indoor-temp. sensor
E6	Cooling system problem (leakage may happen inside)	Check the pressure of the refrigerant
E7	Too hot indoor	Turn off, and return on while cool

9. Circuit Diagram



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