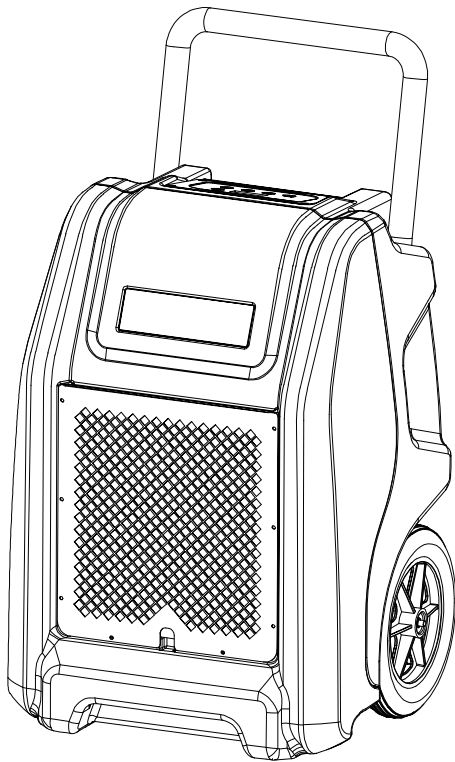


origin

# INSTRUCTION MANUAL

O<sup>53p</sup>

Industrial Dehumidifier



THANK YOU FOR CHOOSING THIS PRODUCT, SAVE THIS MANUAL FOR FUTURE REFERENCE

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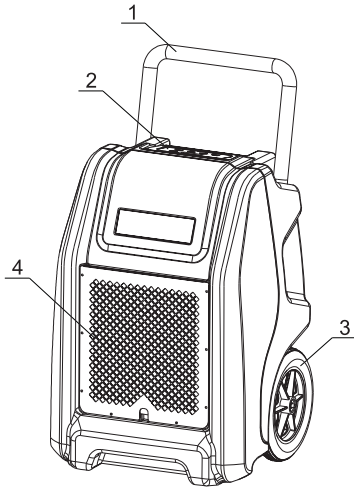
# Safety Instructions



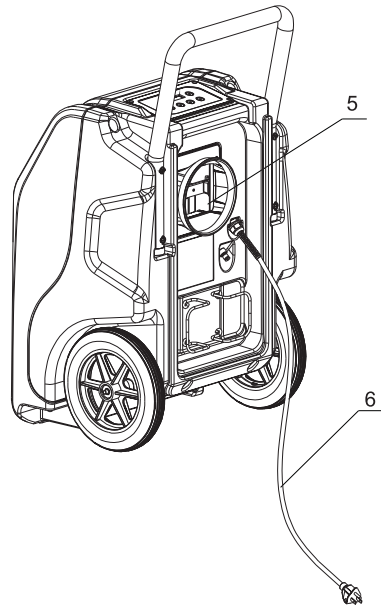
## WARNING

- Check the voltage and make sure it meets the technical specification of the machine.
- This machine can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the machine. Cleaning and user maintenance shall not be made by children without supervision.
- The machine must always stand upright.
- The machine must stand upright for at least 1 hour before it is used for the first time.
- Never sit, cover or place foreign objects on the product.
- Make sure that the air filter is clean and fitted correctly before turning the machine on.  
Never use the product if the mains lead, plug or any other part is damaged or does not work properly.
- Never try to dismantle or repair the machine yourself.
- Never plug in or unplug the product with wet hands.
- Never insert foreign objects into the machine.
- Unplug the product immediately if it emits strange noises, odours or smoke.
- Make sure that no foreign objects cover or block the air inlet/outlet. Blockages can lead to fires, electric shocks or damage to the product.
- Unplug the product when it is not in use.
- Before the machine is moved, make sure it is switched off, unplugged and that the water tank is empty.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified person in order to avoid a hazard.
- The appliance shall be installed in accordance with national wiring regulations.
- The machine is designed A-weighted sound pressure level below 70 dB.

# Structure Diagram



- 1. Handle
- 2. Control Panel
- 3. Wheel



- 4. Air Inlet Grille
- 5. Exhaust Grille
- 6. Power Cord



## WARNING

**DO NOT OBSTRUCT THE AIR INLET OR OUTLET**

# Setting Up Instructions



## IMPORTANT

Place dehumidifier in the upright position. When transporting a dehumidifier to site, allow the dehumidifier to stand for 30 minutes before switching ON. This is necessary to allow the refrigerant system to stabilise and avoid system damage.

### SETTING UP THE DEHUMIDIFIER:

Operate the dehumidifier in an enclosed area as this creates a drying chamber. Close all doors, windows or areas that open to external areas to maximize the dehumidifier's water removal efficiency. Keep traffic through the drying chamber to a minimum. Place the dehumidifier in the centre of the room away from walls and furnishings. **DO NOT** allow the airflows to be obstructed.

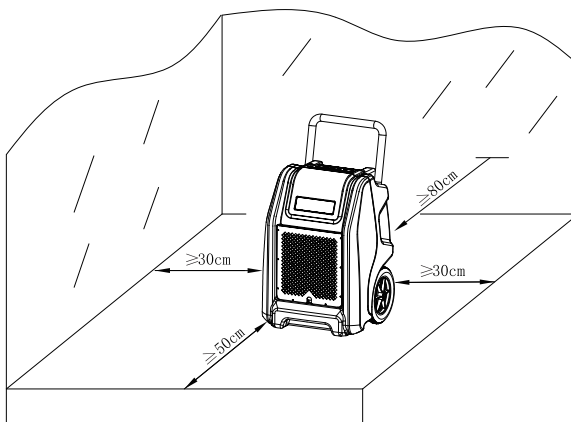


Illustration of correct positioning for best performance

# Setting Up Instructions

## OPERATION FOR GENERAL USE:

Press the ON/OFF key to turn the unit on, it will get into working mode automatically.

After using, press ON/OFF key to turn the unit off, while water pump will turn on automatically for 80 seconds to drain the rest water, and turn off automatically.

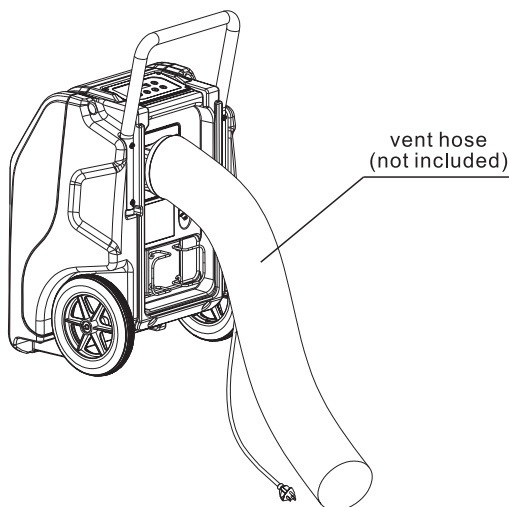
**Attention:**

**DO NOT** switch the power **OFF** by disconnecting at the main socket outlet.

**DO NOT** move the dehumidifier for at least 3 minutes after turning the power **OFF**.

## VENT HOSE FUNCTION (OPTIONAL)

As to a much wetter space, use a vent hose with diameter larger than 155mm Attach the vent hose to the exhaust ring (see below) to speed up drying the wet area.



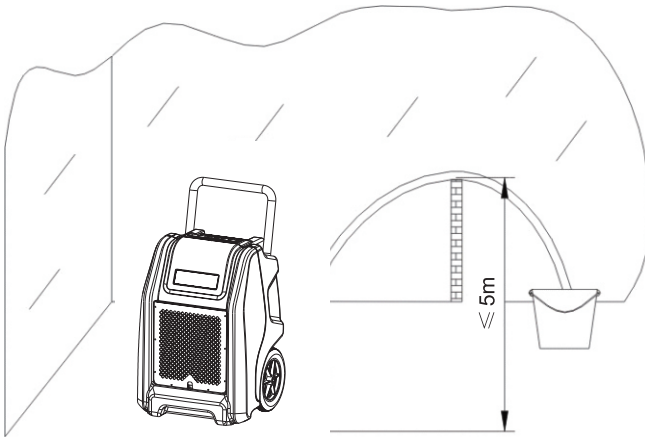
# Setting Up Instructions

## **DRAINAGE:**

The dehumidifier pump connects to a plastic drainage hose. The hose is stored on the back of the appliance. Uncoil the entire hose ensuring there are no kinks or restrictions and place the unattached end into a water vessel or run to outdoors.

Ensure that water which runs to outdoors does NOT create a slip hazard.

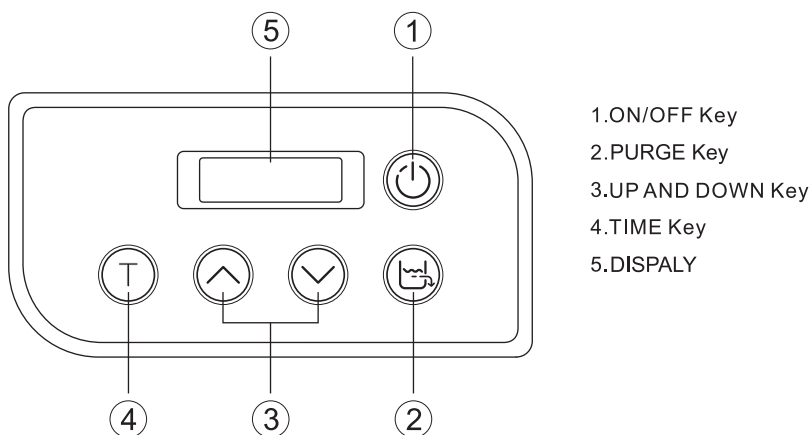
Water vessels **MUST** be checked regularly when used.



## **Note:**

- **The drain hose for the water pump can drain up to 5m vertically. More than 5m may cause water back up to the pump resulting in leakage.**
- **When turn off the unit, please take out the water pipe from bucket and empty water inside bucket to avoid the water back flow cause water leakage.**

# Operating Instructions



- 1.ON/OFF Key
- 2.PURGE Key
- 3.UP AND DOWN Key
- 4.TIME Key
- 5.DISPALY

## Display

Once the machine is switched, the display will show the settled humidity (left) and current humidity (right).

## Switching On/Off The Unit

Connect the mains lead to socket.

Press the ON/OFF button once to turn on the unit, Press once again to turn off the unit.

## Empty Water

Press the PURGE button to empty water from the pump reservoir. During normal operation, the pump purges automatically when the reservoir is full.

**Note:** Press the PURGE button to empty the water before moving the machine to avoid water spillage.

## Humidity Setting Control

Press the UP/DOWN button to set the desired humidity (a range of CO, 26% to 90%).  
For each press, the set humidity will be increased / decreased by 1%.

**Note:** If the machine is in CO (continuous) dehumidifying mode, its operation will not be influenced by the change of the ambient.

## Working Hours Checking

Press TIME button once can check the working hours since powered on, press again to check the total working hours.

**Note:** To reset the working hours, press and hold the TIME button for 5 seconds.

**Note:** The total working hours can not be reset. If the time is beyond the range, it will restart counting from Zero.

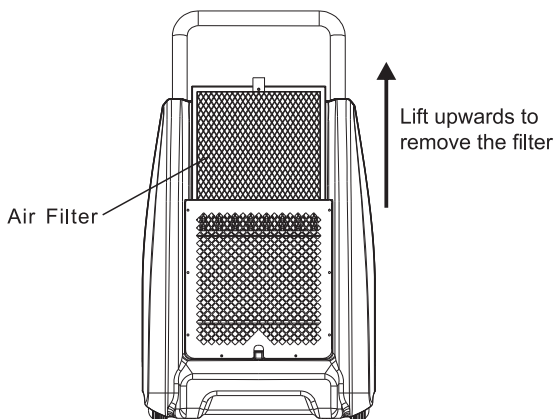


# Maintenance Cleaning The Air Filter

Ensure the dehumidifier is turned OFF and the plug is removed from the power socket before maintenance is carried out.

The working performance of the dehumidifier will be greatly reduced if the filters become blocked.

1. Remove the filter as shown in the diagram.
2. Vacuum any debris from the filter using the vacuum hose and nozzle attachment.
3. Using luke-warm water and a mild detergent wash the filter and allow to dry.
4. Once dry, re-install the filter into the dehumidifier.



# Trouble Shooting

PROBLEM	CAUSE	SOLUTION
Dehumidifier does not operate	No power to appliance	Connect plug to power socket
	Switch not turned on	Switch on
	E4 error is displayed	Check drainage flow
Dehumidifier collects little water	Insufficient working time	Allow more working time
	Filter is blocked	Clean filter
	Low ambient temperature	Increase ambient temperature
	Condensate hose is blocked	Check hose for restrictions
Dehumidifier is operating but room is not drying	Doors and windows are open	Seal room from external areas

**WARNING:**

DO NOT attempt to rectify faults using unqualified personnel.

# Fault Codes

**WARNING:**

In the event of a fault code, contact your service agent.

DISPLAY CODE	E1	E2	E3	E4
<b>Error</b>	Temperature sensor error	Humidity sensor error	Low or no refrigerant	Pump error
<b>Display</b>	Flash every 30 seconds	Flash every 30 seconds	Show E3	Show E4
<b>What is happening</b>	Machine works in CO mode	Machine works in CO mode	Machine will enter into standby mode, only Purge button is valid	Machine will not start working

# Product Specifications

MODEL	O <sup>53p</sup>
Water Removal	53L/day (30°C RH80%)
	30L/day (27°C RH60%)
Power Supply	220-240V~ 50Hz
Power	635W (27°C RH60%)
Current	2.3A (27°C RH60%)
Air Flow	420m³/h
Noise Level	55dB(A)
Refrigerant	R410A/0.31kg
Operating Range	1~38°C
Power Cord	5m
Drainage Pipe	5m
Net Weight	33.5 kg
Dimensions (W × D × H)	505 × 430 × 700 mm