



HURRIKAN

INSTRUCTION MANUAL

COMMERCIAL DEHUMIDIFIER



Please read this manual before operating and save it for future reference. Every dehumidifier is covered with a 1-year free warranty offered by **Hurrikan** that is automatically valid from the date of purchase. To extend the warranty or express any questions or concerns, please email us at support@hurrikan.us



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HURRIKAN's STORY

Hurrikan is an American luxury home appliance and specialty retailer headquartered in New York City. In 2022, Hurrikan introduced the industry-leading commercial dehumidifier as we know it today. We're proud to build on our legacy as the leader in dehumidifier traceability with responsibly sourced, expertly crafted dehumidifiers that celebrate technology in all its forms.

Our Origin

The outbreak of COVID-19 in early 2020 brought an online shopping boom and a new lockdown lifestyle, consequently increasing the demand for large buildings for either storage or dwelling needs. As a household dehumidifier manufacturer ourselves, we sensed the pressing need for commercial dehumidifiers that could maintain an appropriate humidity condition for good storage or living. Therefore, we started to extend beyond producing household dehumidifiers into the commercial field, in an attempt to not only create a solution but to also challenge the monotonous designs embodied by the existing commercial dehumidifiers.

To convey our message, we blended in a touch of creativeness into the appliances' designs. We drew inspiration from luxury clothing, and therefore, elegance and boldness had become our antithesis to appliances' predominating tedious design. With the brand concept "sweep away the unwanted", we hope to invigorate everyone not to be bothered by the depressing moments, but instead to boldly overcome whatever that comes before us.

Our Style

Guided by our unique perspective, we challenge commercial dehumidifiers' predominant boring design, adopting boldness in our product design instead. Specifically, we hope to make our product "sweep away the unwanted" by integrating high-performance components. Our Hurrikan is unique for achieving a balance between appearing elegant and being powerful. Hurrikan represents a revolution: the brand transforms a field that was previously cumbersome into a stage for boldness, bringing new aesthetic standards to appliance design.

Our Logo

Hurricane is central to Hurrikan's product designs: it epitomizes nature's almighty force and symbolizes the perpetual pursuit of power, clearness, and relentlessness. Hurrikan's logo design thus resembles tornado, bearing an elegantly modest but implicitly robust appearance. Hurricane as the design element also perfectly aligns with Hurrikan's ideal-to lead a vigorous, bold, and cleansed life.

1 Cautions

BEFORE YOU BEGIN

This commercial dehumidifier removes excess moisture from storage spaces and large buildings.

The environmentally friendly R32 is used as the refrigerant. R32 has no damaging influence on the ozone layer (ODP), has a negligible greenhouse effect (GWP), and is available worldwide. Because of its efficient energy properties, R32 is highly suitable as a coolant for this product. Precautions must be taken into consideration due to the coolant's flammability.

IMPORTANT SYMBOLS



This unit uses a flammable refrigerant.

If the refrigerant leaks or comes in contact with fire or a heating source, it will create harmful gas and there will be a risk of fire.



Read the **INSTRUCTION MANUAL** carefully before operation.



Service personnel are required to carefully read the **INSTRUCTION MANUAL** before operation.

This instruction manual contains instructions and notes on the operation and use of this unit.

Do not use unofficial components or accessories that may result in a risk of fire, electric shock, or injury to people.

For your safety and benefit, please keep this manual handy for future reference.

THE FOLLOWING SHOULD ALWAYS BE OBSERVED FOR SAFETY

- This appliance can be used by children older than eight, people with reduced physical, sensory, or mental capabilities, and people who lack experience and knowledge if they have been given supervision or instruction concerning the use of this product in a safe way, and if they understand the hazards involved. Children shall not play with this appliance. Cleaning and maintenance should not be done by children without supervision.
- This appliance is designed to be used indoors, not outdoors.
- This appliance is designed for using R32 (propane) gas as the designated refrigerant only.
- The refrigerant loop is sealed. Only a qualified technician should attempt to service.
- Do not discharge the refrigerant into the atmosphere.
- R32 (propane) is flammable and heavier than air. It accumulates first in low areas but can be circulated by the fans.
- If propane gas is present or even suspected, do not allow untrained personnel to attempt to find the cause.
- The propane gas used in this appliance has no odor.
- The lack of smell does not indicate a lack of escaped gas.
- If a leak is detected, immediately evacuate all people from the indoor space. Ventilate the room and contact the local fire department to inform them about the propane leakage.
- Do not let any person back into the space until qualified service technicians have arrived and informed that it is safe now to return to the space.
- No open flames, cigarettes, or other possible sources of ignition should be used inside or in the vicinity of this appliance.
- This appliance's components are designed for propane and the non-incentive and non-sparking conditions. Components should only be replaced with identical parts.
- FAILURE TO ABIDE BY THIS SAFETY WARNING LIST MIGHT RESULT IN AN EXPLOSION, DEATH, INJURY, OR PROPERTY DAMAGE.

1 Cautions

IMPORTANT SAFETY TIPS

Your safety is the most important thing we concern!

WARNING: Please read the following tips carefully and fully understand them before operating your appliance.

OPERATIONAL PRECAUTIONS

WARNING: to reduce the risk of fire, electric shock, or injury to people or property:

- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified people to avoid any hazard.
- This appliance should be disconnected from its power source during service.
- Always operate the unit from a power source of equal voltage, frequency, and rating as indicated on the product identification plate.
- Always use a power outlet that is grounded.
- Unplug the power cord when cleaning or when not in use.
- Do not operate with wet hands. Prevent water from spilling onto the appliance.
- Do not immerse or expose the unit to rain, moisture, or any other liquid.
- Do not leave the unit running unattended. Do not tilt or turn over the unit.
- Do not unplug while the unit is operating.
- Do not unplug by pulling on the power cord.
- Do not use an extension cord or an adapter plug.
- Do not put objects on the unit.
- Do not climb or sit on the unit.
- Do not insert fingers or other objects into the air outlet.
- Do not touch the air inlet/outlet.
- Do not operate the appliance if it is dropped, damaged, or showing signs of product malfunction.
- Do not clean the appliance with any chemicals.
- Ensure the unit is far away from fire, inflammable, or explosive objects.
- The unit shall be installed in accordance with national wiring regulations.
- Do not use means other than those recommended by the manufacturer to accelerate the defrosting process or to clean.
- The appliance shall be stored in a room without continuously operating sources. (for example: open flames, operating gas appliances, or operating electric heaters.)
- The appliance shall be stored in the way that prevents mechanical damage.
- Do not piece or burn the unit, even after use.
- Be aware that refrigerants may not have odor.
- Pipework shall be protected from physical damage and shall not be installed in an unventilated space that is smaller than 4 m².
- Comply with national gas regulations.
- Keep any required ventilation openings clear of obstruction.
- The appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation.

WARNING Any person who is involved with working on or breaking into a refrigerant circuit should hold a current valid certificate from an industry-accredited assessment authority, which authorizes their competence to handle refrigerants safely in accordance with an industry-recognized assessment specification.

WARNING Servicing shall only be performed as recommended by the manufacturer. Maintenance and repair that require the assistance of other skilled personnel shall be carried out under the supervision of the person competent in the use of flammable refrigerants.

1 Cautions

SAFETY PRECAUTIONS ON SERVICING

Please follow these warnings when servicing an appliance with R32.

1. Area safety check

Prior to beginning work on systems containing flammable refrigerants, safety checks are necessary to minimize the risk of ignition. Prior to repairing the refrigerating system, the following precautions shall be complied.

2. Work procedure

Work shall be undertaken under a controlled procedure so as to minimize the risk of exposure to a flammable gas or vapor during the process.

3. General work area

All maintenance staff and others working in the local area shall be instructed on the nature of work being carried out. Work in confined spaces shall be avoided. The area around the workspace shall be sectioned off. Ensure that the conditions within the area have been made safe by the control of flammable material.

4. Checking for the presence of refrigerant

The area shall be checked with an appropriate refrigerant detector prior to and during the work, to ensure the technician's awareness of potentially flammable atmosphere. Ensure that the leak detection equipment used is suitable for use with flammable refrigerants, i.e. no sparking, adequately sealed or intrinsically safe.

5. Presence of fire extinguisher

If any high-temperature operation is to be conducted on the refrigeration equipment or any of its associated parts, appropriate fire extinguishing equipment shall be available to hand. Have a dry powder or CO2 fire extinguisher adjacent to the charging area.

6. No ignition sources

Don't carry out work in relation to a refrigeration system that is exposed to any pipework that contains flammable refrigerant using any sources of ignition in order to avoid the risk of fire or explosion. All possible ignition sources, including cigarette, should be kept far away from the site of installation, repairing, removing, and disposal. Prior to work, ensure that the surrounding area has no flammable hazard or ignition risks, and the "No Smoking" sign shall be displayed.

7. Ventilated area

Ensure that the area is open or adequately ventilated before breaking into the system or conducting any high-temperature operation. Please keep ventilation during the process. The ventilation should safely disperse any released refrigerant and preferably expel it externally into the atmosphere.

8. Refrigeration equipment check

When electrical components are being changed, they shall be suitable for the purpose and be aligned with the correct specification according to the maintenance and service guidelines. If you encounter any problem, please feel free to consult the manufacturer for assistance. The following checks shall be applied to installations using flammable refrigerants:

- The charge size is in accordance with the room size within which the refrigerant-containing parts are installed.
- The ventilation machinery and outlets are operating adequately and are not obstructed.

2 PRODUCT DESCRIPTION

OL90-D059AW
Instruction Manual

The dehumidifier is used to remove excessive moisture from the air. The resulting reduction in relative humidity protects buildings and their contents from the adverse effects of excess humidity.

2.1 FEATURES



Powerful and Efficient
moisture removal



Two drainage methods:
Continuous & Automatic/Pump



Humidity Monitor showing
current air humidity



Temperature Monitor showing
current ambient temperature



A 24-hour timer for automatic
operation time setting



Child Lock preventing
unwanted injuries



Air Filter for
dust removal



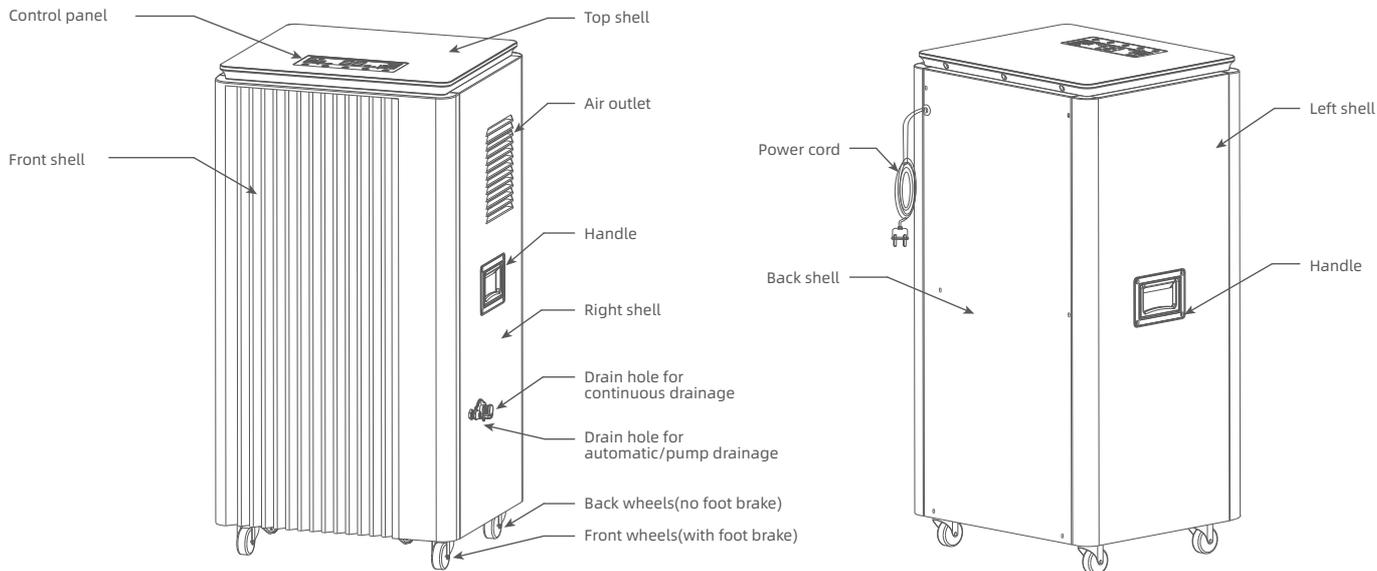
Quiet fan for
quiet operation

2.2 PARAMETERS

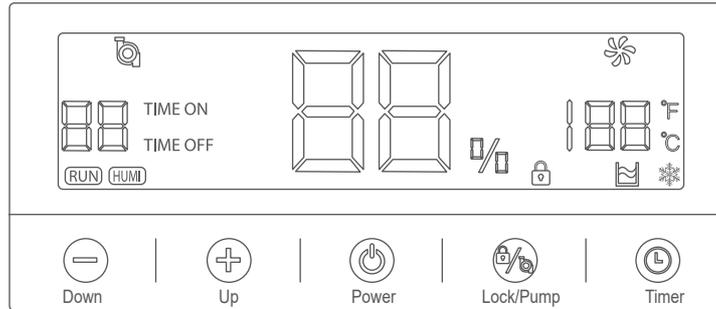
Model	OL90-D059AW	Refrigerant/Charge	R32/10.41oz
Power Supply	115V~60Hz	Low Side Pressure	260psi
Dehumidification Capacity	109Pints/D (80°F/60%RH)	High Side Pressure	550psi
	190Pints/D (86°F/80%RH)	BCSC	15A
	296Pints/D (90°F/95%RH)	Compressor Input	RLA:9.95A/LRA:51A
Rated Input Current	8.5A (80°F/60%RH)	Fan Motor Power	1.22A/0.185HP
MAX Input Current	9.9A (86°F/80%RH)		

2 PRODUCT DESCRIPTION

2.3. PRODUCT DISPLAY



3 OPERATION



3.1. BUTTONS



Power
Press this button to turn the unit on/ off. The operation indicator will light up when the unit is on.



Timer
When the timer is off, press this button to activate the timer, where the set time is shown as flashing on the left side of the LED control panel. Press the "Up" or "Down" button to increase or decrease the timer within a 24-hour time frame. When the timer is on, press this button to see the remaining set length of operation time, and press this button again to cancel the timer.



Lock/Pump
A quick press of this button will turn on/off the automatic/pump drainage. A long press (3 seconds) of this button will turn on/off the child-lock function. A long simultaneous press of this button and the "Timer" button will activate automatic/pump drainage enforceably, immediately draining away all water collected in the pump's water tank (automatic/pump drainage usually only starts draining when the tank is full).



UP
Each press of this button will increase the set humidity level/timer by 5%/1 hour within the range of 20-90%/0-24 hours.
Press the "Up" and "Down" button simultaneously to switch between the Celsius and Fahrenheit unit for ambient temperature display.



DOWN
Each press of this button will decrease the set humidity level/timer by 5%/1 hour within the range of 20-90%/0-24 hours.
Press the "Up" and "Down" button simultaneously to switch between the Celsius and Fahrenheit unit for ambient temperature display.

3 OPERATION

3.2. INDICATORS

 : Set/Ambient humidity level (displays "FL" when pump's water tank is full)	 : Ambient temperature
 : Timer	 : Child lock
 : Dehumidifying state is on	 : Water Full Indicator
 : Set humidity level has been reached	 : Defrosting Indicator
 : Fan	 : Pump (flashes when the pump is draining)

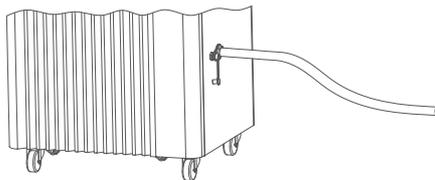
NOTE:

The dehumidifier will beep for 5 times and shut down automatically when pump's water tank is full, and will resume working when the tank is emptied.

4 DRAINAGE

1. Continuous Drainage

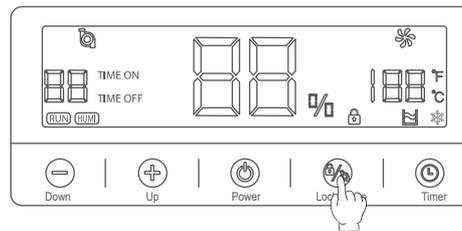
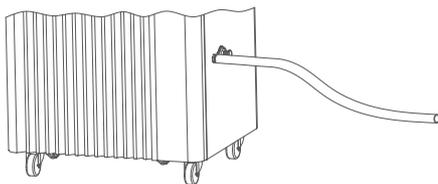
- Remove the rubber stopcock blocking the drain hole for continuous drainage. Plug a PVC drain hose into this hole to enable continuous drainage. You may connect the other end of the hose to any drainage area you desire.



WARNING: the end of the hose should not be submerged in water to prevent it from being blocked or damaged.

2. Automatic/Pump Drainage

- Use the rubber stopcock to block the drain hole for continuous drainage.
- Remove the rubber stopcock blocking the drain hole for automatic/pump drainage. Plug a PVC drain hose into this hole to enable automatic/pump drainage. You may connect the other end of the hose to any drainage area you desire.
- Press the "Lock/Pump" button to activate automatic/pump drainage. The Pump indicator will light up. The dehumidifier will start draining when the pump's tank is full. (NOTE: a simultaneous press of the "Lock/Pump" button and "Timer" button will make the dehumidifier start draining regardless of the tank's condition)



WARNING: the end of the hose should not be submerged in water to prevent it from being blocked or damaged.

5 MAINTENANCE

5.1. CLEANING

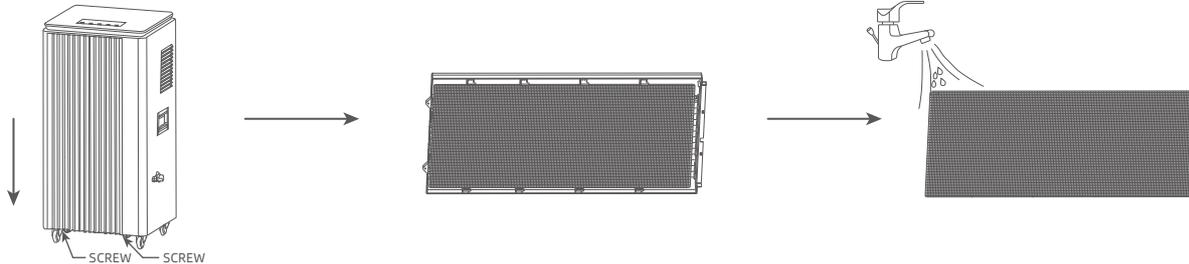
1. Body Cleaning

Use a soft and slightly moist cloth to clean the dehumidifier's body. Do not use cleanser, steel balls, chemically treated dust-proof cloth, gasoline, benzene, thinners, or other chemical solvents in case of damage or distortion.

WARNING: Before cleaning or conducting maintenance, please turn off and unplug the machine to avoid the risk of electrocution.

2. Filter Cleaning

- Loosen the two screws located at the bottom of the dehumidifier's front shell. Push the front shell downward to separate it from the machine's body.
- Take the filter out of the front shell.
- Use a vacuum cleaner to gently absorb the dust on the filter's surface.
- If the filter is dirty, wash it with water and a soft detergent, and dry it thoroughly afterwards.
- Put the filter back in the front shell. Push the front shell upward to attach it back to the machine's body.
- Tighten the two screws located at the bottom of the dehumidifier's front shell.



WARNING: It is strongly advised to rinse the filter every two weeks. Any dust blocking the filter will potentially affect the machine's functionality.

5.2. LOCATION

1. Place the appliance on a firm and horizontal surface.
2. Never install the appliance at a place that could be subject to:
 - Heat sources such as radiators, heat registers, stoves or other products that produce heat.
 - Possible splashing of oil or water
 - Direct sunlight
 - Mechanical vibration or shock
 - Excessive dust
 - Lack of ventilation, such as cabinet or bookcase
 - Uneven surface

6 TROUBLE SHOOTING

1. Functioning Temperature: 41°F ≤ Ambient Temperature ≤ 100°F

When the ambient temp is lower or higher than the functioning temp, the dehumidifier stops functioning.

When 41°F ≤ Ambient temperature ≤ 61°F, the compressor automatically defrosts at intervals; during defrosting, the compressor stops and the fan keeps running.

2. Before Calling for Service

Before contacting the customer service, please review the following troubleshooting list that includes common problems that are not the result of a defect in workmanship or materials.

Problem	Probable Cause	Solution
Not Working	Power cord not connected properly	Make sure the power cord is properly plugged into the machine and a power source.
	Water Full Indicator On (Pump's water tank is full)	Make sure the pump's tank is properly drained.
	Ambient Temperature too high/low (protection mechanism triggered)	Make sure the machine is under proper temperature (41 ~ 100 °F)
Humidity Level not Dropping	Filter Clogged	Wash the filter thoroughly as instructed
	Intake vent or discharge duct obstructed	Remove any object blocking the intake vent or discharge duct.
No Air Intake	Refrigerant leaked	Contact customer service for repairment
Water leaking	Filter Clogged	Wash the filter thoroughly as instructed
Loud Noise	Drain hose blocked	Remove any obstruction from the hose's end
	Machine tilted or being upside down	Make sure the machine is standing upright
Error Code 'E1'	Filter Clogged	Wash the filter thoroughly as instructed
Error Code 'E2'	Temperature/Humidity sensor problem	Change the sensor
Error Code 'CL'	Temperature sensor problem	Change the sensor
Error Code 'CH'	When the ambient temperature drops below 41°F, this error code will appear, and the compressor and fan will shut down.	
Error Code 'LO'	When the ambient temperature is above 100°F, this error code will appear, and the compressor and fan will shut down.	
Error Code 'HI'	When the ambient humidity drops below 20%, this error code will appear, and the compressor and fan will shut down.	
Error Code 'E4'	When the ambient humidity is above 95%, this error code will appear, but the compressor and fan will keep operating.	
	Water is full or the pump is malfunctioning.	Drain out water or contact customer service for repairment.

WARNING:

If the Water Full indicator is always on, there may be a malfunction in the machine. Please seek technical support from professionals.

If anything unexpected happens, please turn off and unplug the machine immediately, and seek technical support from certified electrical engineers.

7 STORAGE & DISPOSAL

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7.1. STORAGE

If you are not going to use the appliance for an extended period of time (more than a few weeks), it is best to clean and dry it completely before preserving the appliance in a ventilating, dry, corrosive gas-free, and safe indoor space.

The appliance must be kept in an upright position when in storage.

Note: Activating automatic/pump drainage enforceably can quickly dry the appliance.

7.2. DISPOSAL

Do not dispose of electrical appliances as unsorted municipal waste. Instead, use designated collection facilities.

Contact your local government for information regarding the available disposal collection system.



8 WARRANTY

8.1. WARRANTY BRAND CARD



HURRIKAN Protection To Fix Card

We certify the authenticity of this item and confirm that it has been subjected to the most exacting quality control. Its high quality is a symbol of the fine reputation of this trademark.

One-year warranty offered by Hurrikan will be in effect automatically since the date of delivery. If you want to extend the warranty to two years or have any other concerns, please don't hesitate to contact us through email at support@hurrikan.us.

Nous certifions l'authenticité de cet article et confirmons qu'il a été soumis au contrôle qualité le plus exigeant. Sa haute qualité est un symbole de la belle réputation de la Marque.

Vous avez été couvert par une garantie d'un an offerte par Hurrikan, qui est automatiquement valable à compter de la date livraison. Si vous avez des inquiétudes ou souhaitez étendre la garantie à 2 ans, veuillez envoyer un e-mail à Hurrikan à support@hurrikan.us.

8 WARRANTY

8.2. HURRIKAN ONE-YEAR LIMITED WARRANTY POLICY SUMMARY

Each Hurrikan product is covered with a 1-year warranty, starting from the date of delivery. Under this limited warranty, Hurrikan warrants that each Hurrikan product you purchase will be free from any material and workmanship defects under normal use, and products experiencing this type of defects are guaranteed free repairment during the warranty period. Such warranty provision is in addition to rights provided under local consumer laws. Products malfunctioning due to non-manufacturing damage or improper usage are not covered under this warranty, and will face service fee for repairment. Repairment service options are dependent on the country from which the service is requested, and may be restricted to the original country of purchase. International shipping fee might apply, depending on the location.

To obtain the warranted repairment, please fill out this warranty card and contact support@hurrikan.us with a photo/scanned version of the card. You might be required to provide more purchase details, depending on the case. If you wish to extend the warranty or express any questions or concerns, please also email support@hurrikan.us.

8.3. WARRANTY CARD

Product Name	Hurrikan Dehumidifier	Model No.	OL90-D059AW
Purchase Site		Date of Purchase	
Customer Name		Address	
Tel. No.		Email	
Invoice No.		Warranty Period	1 year



COMMERCIAL DEHUMIDIFIER



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