



Intertek
3073615

AIRREX[®]

AIRREX DEHUMIDIFIER

USER'S MANUAL

MODEL : ADH-8000

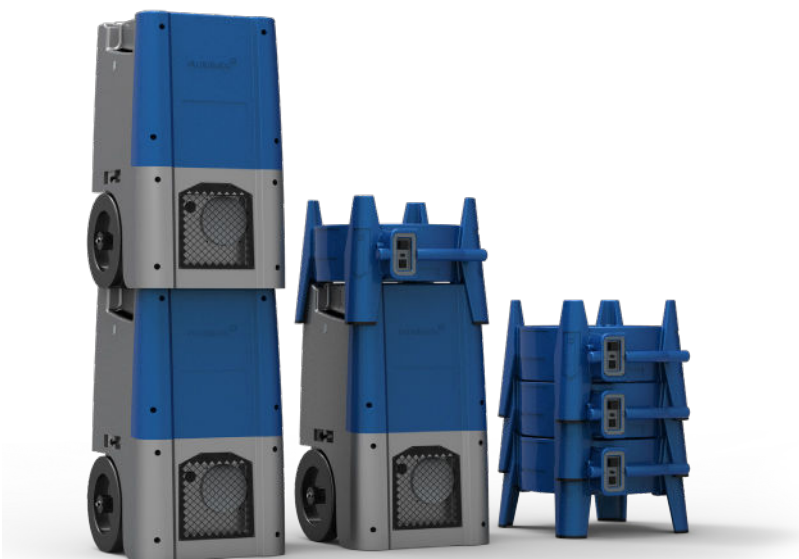


- ▶ Thank you for purchasing the unit. Before operation, please read this user's manual carefully.
- ▶ Keep this manual on hand for reference.
- ▶ This unit is specified for use on the rated voltage power supply.
- ▶ It is essential that you read 'SAFETY INSTRUCTIONS' carefully before use and follow them at all times.
- ▶ The warranty form is on the last page. Please complete it now and keep it in a safe place.
- ▶ We have a policy of continual improving on our products. The contents (features and specifications) in this manual are therefore subject to change without notice.

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The following instructions are to ensure user's safety and to prevent any physical injury or material damage. Please read carefully and follow all instructions. There are two sections to these instructions: WARNING and CAUTION.



SAFETY INSTRUCTIONS

WARNING

- Use a circuit breaker that fits the capacity. (It may cause fire and electric shock)
- Before cleaning, disconnect the unit. (Otherwise risk of electric shock)
- Do not use a damaged power cable. (Short, fire or shock hazard)
- Do not use an extension lead unless of the approved type. (Risk of fire and / or electric shock)
- Do not place anything on top of the machine. (This could cause electric shock, malfunction or injury)
- Do not kink or sharply bend the power cable nor put any weight on it. (The insulation may be damaged causing fire or electric shock)
- Turn off control panel after turn off circuit breaker first. (Risk of electric shock and / or malfunction)
- Do not use this unit on unstable or inclined surfaces. Always use on solid flat floor. (Risk of falling causing injury, fire or malfunction)

The following symbols are for your guidance:

= You must NOT. = You MUST.

Keep this manual in a visible location near the unit for easy reference.

INSTALLATION

WARNINGS REGARDING PROPER LOCATION FOR INSTALLATION



WARNING

Do not use the unit in explosive environments or in areas where flammable gas leakage may occur.

Do not use the unit in areas where it will be exposed to rain or water.

Do not use the unit in a corrosive atmosphere.

Do not install the unit on uneven or sloping surface. The unit may roll or topple over even if the casters are set to the locked position.

MOVING THE UNIT

Unlock the casters and push the unit to a flat surface and set the caster brakes to the locked position.

PLUGGING IN THE UNIT

Check the prongs and surface of the power cord plug for dust/dirt. If dust and/or dirt are present, wipe off with a clean, dry cloth.

Check the power cord, plug and prongs for damage or overload.

If any damage or overload is found, contact a qualified repair technician or a qualified electrician to perform replacement or repair of the power cord, plug or prongs.



WARNING

If the power cord or plug is damaged, repair should only be performed by qualified electrical personnel.



WARNING

Do not connect/disconnect the power cord or attempt to operate buttons with wet hands. This could result in electrical shock.

SAFETY INSTRUCTIONS

CAUTION

- Do not place this unit on uneven, unstable or inclined surface.
(This could cause malfunction)
- When storing this unit, keep it in a dry, cool place.
(To prevent corrosion and malfunction)
- If not being used for some time or if lightening is present, always disconnect power.
(To prevent risk of electric shock, short circuit or fire)
- Do not spray water onto this unit nor use solvents
such as benzene, thinner or alcohol for cleaning.
(There is a risk of electric shock and / or short circuit)
- Designed for indoor use.

GENERAL ADVICE BEFORE USE

- * Ensure the safety of the location in which the unit is to be used.
- * Ensure the floor or ground is smooth and round.
- * Ensure at least 20 inch space all around the unit.
- * Never use the unit at more than 2° incline.
- * You have to connect standard power cable.

If the power cable is damaged, it must be replaced by the manufacturer,
its service agent or qualified person in order to avoid a hazard.

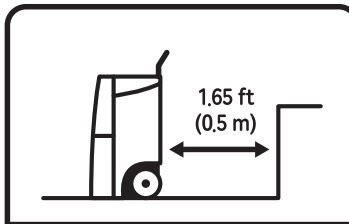


Waste electrical and electronic products must be disposed separately from normal household waste.
When you dispose of such products, please recycle where facilities exist. Follow the guidance of
your local authority and/or ask the shop where you purchased the product.

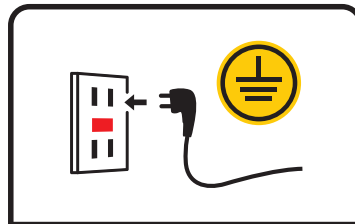
PRECAUTIONS BEFORE USE



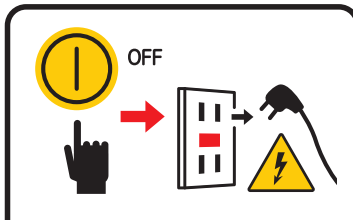
UPRIGHT and less than 30° on the move, operate on flat surface.



Open the air intake. at least 1.65 ft(0.5 m) away from the wall.



Ground connection, use ground plug and socket. Have to use 'GFCI' socket outlet.



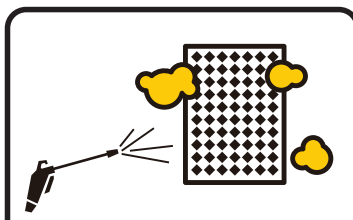
Turn off the power before unplugging. Don't unplug the cable.



Only use it below 95°F(35°C). Avoid direct sunlight.



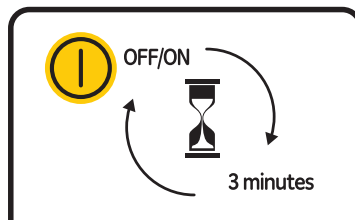
Use only for indoor usage.



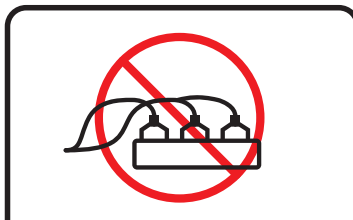
Clean the filter frequently to avoid low efficiency.



Do not use heavy things to carry.



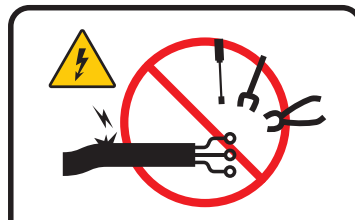
3 minutes delay circuit is activated to protect compressor when it is switched off and turned on.



Use a single outlet as much as possible.



Use cable as straight and short as possible.



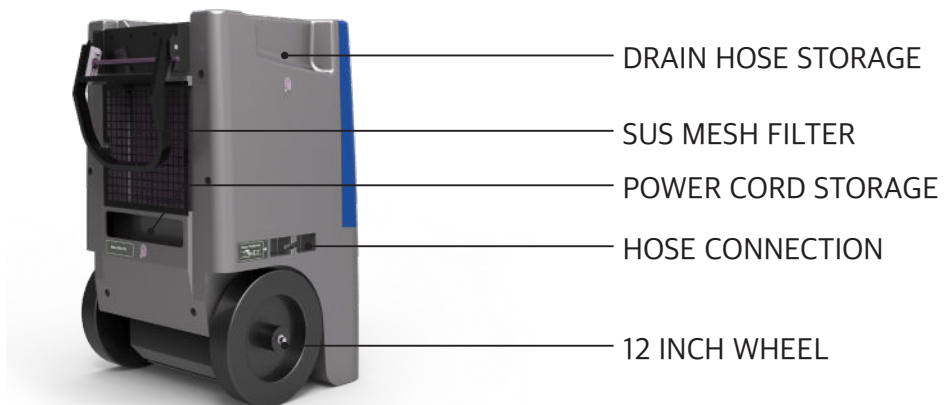
Replace the damaged power cord with a new one instead of repairing it.

EXTERIOR DESCRIPTION

FRONT VIEW



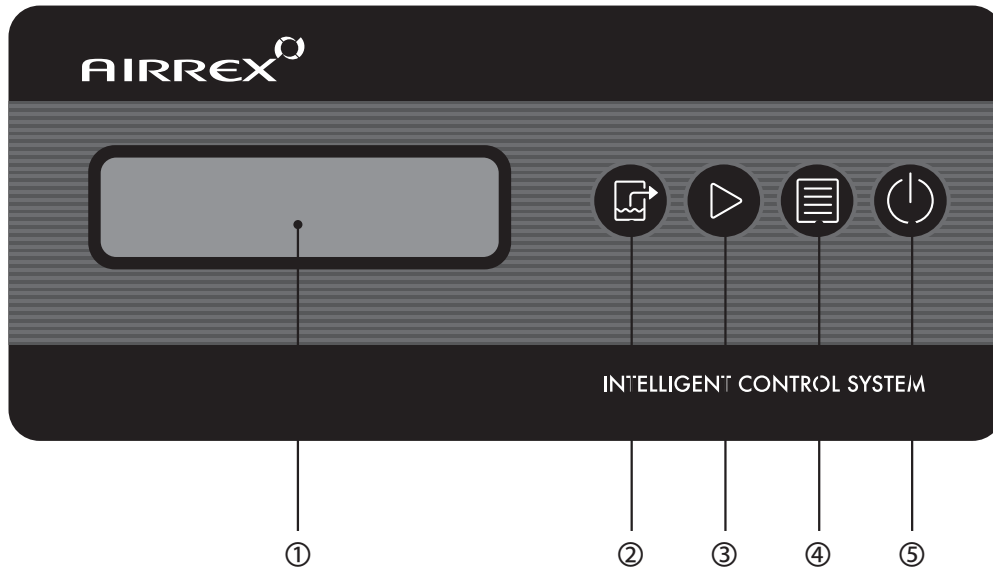
BACK & SIDE VIEW



SPECIFICATIONS

MODEL		ADH-8000
Capacity	gal/day	Maximum 25.4 (86°F 80%)
		AHAM 15.9 (80°F 60%)
Power supply		115 V~, 60 Hz, 1 Ph
Air Flow	ft ³ /min	554
Power Consumption	kW	1.17
Current Consumption	A	10.25
Refrigerant	lb	R-410A / 1.43
Dimensions (WxDxH)	inch	20 x 20 x 33.5
Weight	lb	118
Air Filter		Sus Mesh
Safety Device		▶ High pressure switch ▶ Low pressure switch
		▶ 3 min. compressor delay timer ▶ Fan motor protection
		▶ Automatic full tank shut-off ▶ Thermostat protector for compressor
Power Cord	Device	PLUG
	Length	25 ft
Operating Range		(34°F ~ 86°F, ~ 90%), (87.8°F ~ 100.4°F, ~ 60%)
High Pressure	psi	441
Low Pressure	psi	128

CONTROL PANEL FUNCTIONS



- ① LCD Display : Display current humidity, setting humidity and another function can be set.
- ② Purge Pump : If you move dehumidifiers to another place it is necessary to empty condensate water in tank. so press 'PURGE PUMP' button to empty water in tank.
- ③ Change : This button can change SET. (ex) HI ↔ LO)
- ④ Menu : This button can move or select MENU.
- ⑤ Power : If you push 'POWER' button, This dehumidifier can Turn ON or Turn OFF.

※ Depending on the model, the contents can be changed.

HUMIDITY CONTROL OPERATION

HUMIDISTAT
SETPOINT 45% >



1. Press 'MENU BUTTON' for moving screen 'HUMIDISTAT SETPOINT'.

HUMIDISTAT
SETPOINT 40% >



2. Default of setting humidity is 40%.

HUMIDISTAT
SETPOINT 50% >



3. When press '▶BUTTON', 5unit increase from 40%.

4. 40%→45%→50%→...85%→90%→40%→45%... repeat.

5. Limits of setting humidity.

Current Humidity	Setting Humidity
30% - 90%	40% - 90%

Dehumidifier operates when current humidity is more than setting humidity.

Dehumidifying stops when current humidity is less than setting humidity.

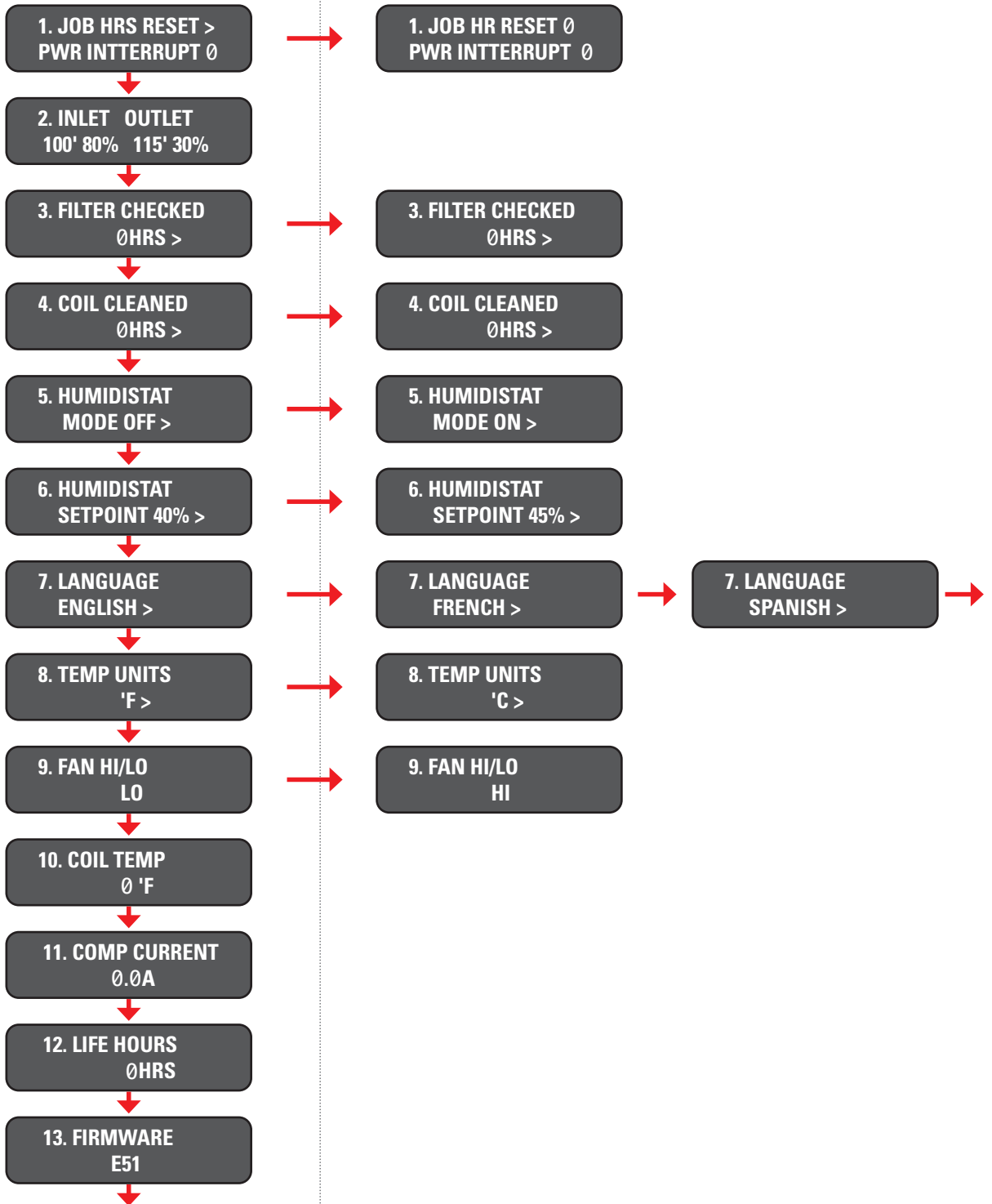
OPERATION



Press the button, change the screen in the below order.



Press the button, change the screen in the right order.



'ERROR' and WARNING INDICATORS

**ER1
HIGH PRESSURE**

1. HIGH PRESSURE

When the pressure of the compressor is too high, 'ER1' is displayed.

**ER2
LOW PRESSURE**

2. LOW PRESSURE

When the pressure of the compressor is too low, 'ER2' is displayed.

**ER3
SENSOR CONNECT**

3. DEFROST SENSOR PROBLEM

If the thermistor for defrost is short circuited or cut, 'ER3' is displayed.

**HU
SENSOR CONNECT**

4. HUMIDITY SENSOR

If the Humidity sensor is short circuited or cut, 'HU' is displayed.

**AF
DEFROSTING**

5. DEFROSTING

When the temperature of the evaporator is below -2°C. The solenoid valve operate.

When the temperature of the evaporator is below -4°C. The solenoid valve & compressor stop. Then display 'AF DEFROSTING'.

**TANK FULL
WATER LEVEL**

6. CONDENSATE PUMP TANK FULL

When the water container is full, 'TANK FULL' is displayed.

TROUBLE SHOOTING

TROUBLE	CHECK	REMEDY
NOT WORKING	Power cable correctly connected	Connect cable correctly
	Power button "OFF"	Press POWER button to "ON"
	Breaker on switch board tripped	Check load capacity and reset
POOR COOLING	Filter blocked with dust	Clean Filter
	Dust in heat exchanger	Clean heat exchanger
	Obstacle against inlet side	Remove and allow 1.65 ft clearance
	Ambient temp. too high (over 95°F)	Use only below 95°F

MANUAL PUMPING

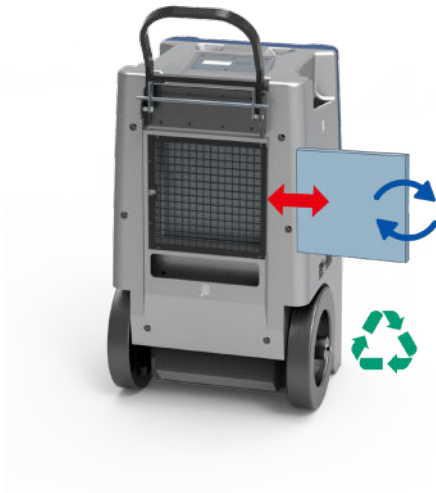
If you move Dehumidifiers to another place it is necessary to empty condensate water in pump. So press purge pump button to empty water in tank.



Press 'PURGE PUMP' Button for empty water in pump.

CLEANING AND MAINTENANCE

CLEANING THE AIR FILTER



1. To remove filter, push it to the right side.
2. Clean the filter with water or compressed air.
3. Clean heat exchanger unit with a vacuum cleaner or compressed air.

HOW TO MOVE



MAINTENANCE



1. Turn "OFF" at control panel, remove plug from socket. Coil and store cable neatly.
2. Keep machine suitably covered to prevent damage by damp, humidity and dust.

MEMO

WARRANTY

(Applicable to first retail purchaser only)

AIRREX unit gives the more reliable performance, comfort and durability the more they are used. They are built under a strict quality assurance regime which includes inspection both during and after production and exhaustive reliability testing.

In the unlikely event you have any problems, please contact your dealer or distributor. If the problem is as a result of a production fault or failure, repairs will be undertaken free of charge during the period of warranty subject to the following warranty conditions:

1. If the problem has been caused by customer error or misuse, abuse or damage, then all repairs will be charged for.
2. This warranty applies to your country.
3. Proof and date of purchase must be supplied.
4. Please complete the details below and keep this warranty in a safe place.
5. All transportation charges back to the dealer are at customer's cost. Keep all original packaging to facilitate return. Return to customer will be at dealer's cost (if genuine warranty claim).

DESCRIPTION	DEHUMIDIFIER		
MODEL	ADH-8000		
DATE OF PURCHASE		PRODUCT SERIAL NO.	

WARRANTY PERIOD	() Months	
DISTRIBUTOR	Name of Company	
	Telephone No.	

CUSTOMER DETAILS	Name :	
	Address :	
	Telephone :	

Manufactured by :
HEPHZIBAH CO.,LTD.
(Juan-dong) 86, Gilpa-ro
71beon-gil, Michuhol-gu,
Incheon, Korea
TEL : +82-32-509-5834
FAX : +82-32-502-5519
E-mail : airrex@hdtek.com
Website : www.airrex.biz

Distributed by :
Airrex USA
1191 Jewell Dr Ste 101 Waco, TX 76712

TEL : 888-535-8841
FAX : 469-574-7924
E-mail : sales@airrexusa.com
Website : www.airrexusa.com