

Models: JH801

OWNER'S MANUAL

READ AND SAVE THESE INSTRUCTIONS

Read all instructions carefully before setting up and operating this unit.

This manual is designed to provide you with important information needed to setup, operate, maintain, and troubleshoot your cooler.

Due to continuous research and development the specifications herein are subject to change without notice.



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1. FOREWORD

Thank you for your trust and support for choosing our Evaporative Air Cooler!

Please read this manual carefully before using it.

The Evaporative Air Cooler comes with the Most Advanced evaporative cooling technology and the Modern management. It will make your life easier and more comfortable.

2. PRINCIPLE OF WORK

When the wind blows on your sweaty body, you will feel cool. Its principle is similar with that Circulating pump continuously suck water from the sump and distribute water equably to the CELDEK cooling pads by the water distributor, and then the water on the cooling pads effects with the outside hot dry air and evaporate to drop the temperature by 5-12 degree. Thus you have the fresh, cooler, clean air.

3. Caution

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person 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 in order to avoid a hazard.

Ensure that the fan is switched off from the supply mains before removing the guard.

Unplug the appliance during filling and cleaning

4. ATTENTION

1. Must be installed in well-ventilated and dry place to ensure 100% fresh air can be bring in.

2. Enough air exhaust is a Must to run the cooler. (3600m³/h airflow requires up to 0.8m² of exhaust area when natural exhausting and the exhaust capacity

should not less than 85% of airflow when mechanical exhausting.) Mechanical can be combined with the natural exhaust.

3. Debugging the cooler when the first running. Ensure that the operating current at the rated current range.

4. Keep away any source of fire when assembling or operating the cooler.

5. Ensure the supply voltage is within the rated $\pm 10V$ range, otherwise it will break the cooler such as cannot start the cooler or start and stop frequently.

6. Keep the wall controller and the control lines away from strongly EMI (such as the equipment with frequency speed controller, SCR temperature and speed controller, high frequency heating circuit or super high power motor etc). It is better not to keep them at the same line of power lines, if you have to, then make sure the distance between them is more than 30cm.

7. Please power OFF the cooler while it is raining or thundering. otherwise the air compressor will absorb moisture.

8. The appliance must be fitted with means for disconnection from the supply mains having a contact separation in all poles that provide full disconnection under over voltage category III conditions, and these means must be incorporated in the fixed wiring in accordance with the wiring rules.

9. Please make sure that the unit and power connection have good earthing, otherwise may cause electrical shock.

10. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

11. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

5. INSPECTION AND PREPARATION BEFORE ASSEMBLING

1. Please open the side panel to check the parts and the technical parameters(the manual), if the parts are incomplete or breakage, Leave it as it is .and inform us or the distributor.

2. Check if the supply voltage is same as the rated one and the supply frequency same as rated one. Make the voltage is $230 \pm 10V$.

3. Make sure the water is clean with a steady hydraulic pressure, $0.2 \sim 0.6MPa$ ($1.5 \sim 6kgf/cm^2$)

4. A globe-valve is needed near the intake hose, and an extra hose connector is needed for cleaning.

5. Over-current and leakage protection switch should be added on the feed circuit, to protect the cooler, the wire net, and the safety of people.

6. GUIDE FOR INSTALLATION AND UNINSTALL OF TRUCKLES AND HORSE

1. Take two sets of assembled frames as Pic 1

2. Use ST5×25 bolts to stable the assembled frame to the bottom of the water tank. And lock the bolt closely with Phillips screwdriver. Please pay attention to the hole at the tank while installation, as Pic 2.



Pic 1



Pic 2

7. GUIDE FOR INSTALLATION AND UNINSTALL OF SIDE PANEL



Pic 3



Pic 4

1. Loose 8 bolts with cross screwdriver, as Pic 3.

2. Pull up 2 pieces of dust screens and the side panel, then pull out the side panel and take it out, as Pic 4.

3. Please install as the contrary step as above.

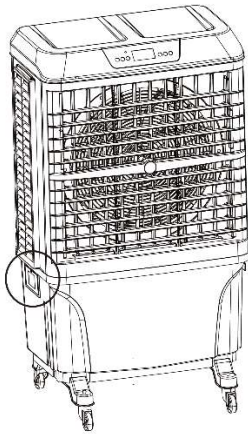
8. GUIDE FOR ADD WATER AND DRAIN

Add water:

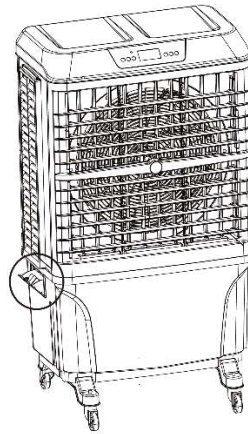
1. pull out the affusion hole, as pic 5;
2. add water from this hole, as pic 6.

Drain:

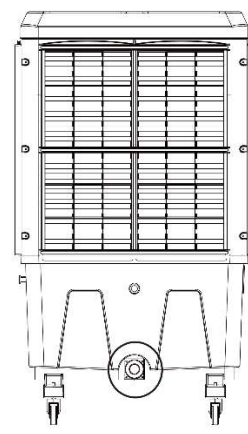
Open the valve cover wither shins, also close it clockwise after drain, as pic 7.



Pic 5

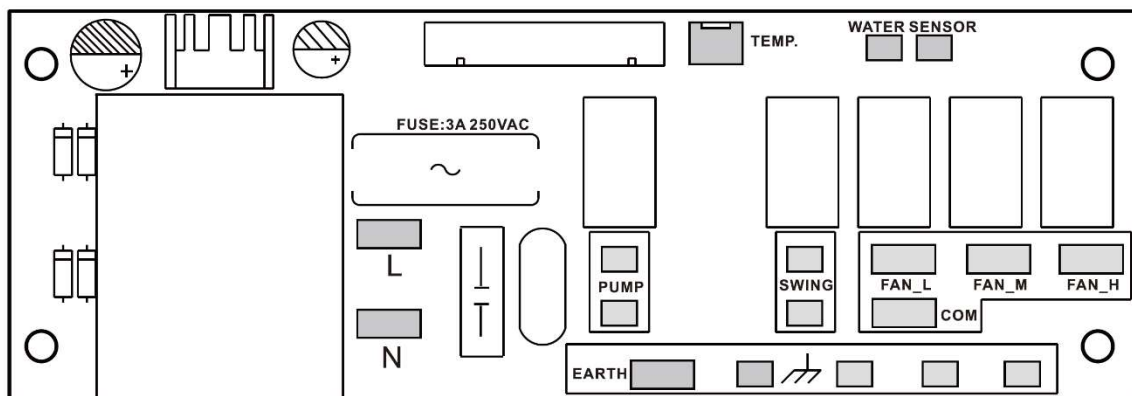


Pic 6



Pic 7

9. CIRCUIT DRAWINGS



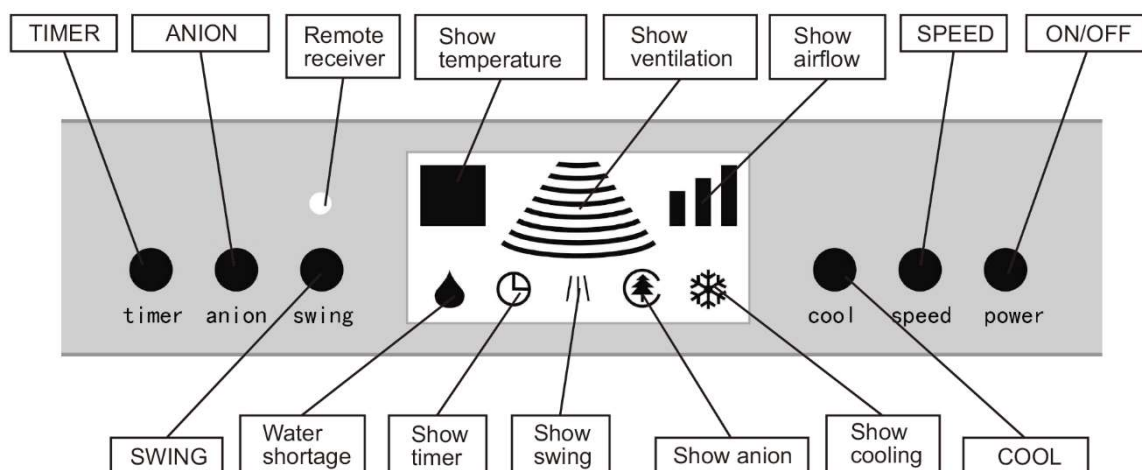
10. INSPECTION AND DEBUGGING BEFORE RUNNING

1. Check the levelness when assembling cooler.
2. Check if drain pipe has been assembled.



3. Check the water supply to be sure there is no leakage.
4. Debug the water level in the water tank.
5. Check if the power supply connection is correct.
6. Check if the assembling and connection of the power control are correct.
7. Check if there is litter in the water tank.
8. Check if there is foreign matter in the air compressor.
9. Check if the power supply and the voltage are normal.
10. Check if the running electrical current is in the rated range.
11. Check if there is any shake when running the cooler.

11. GUIDE FOR OPERATION

Introduction of the LCD controller



Introduction of the function of the button on the remote controller

1.  ON/OFF: Start the cooler in stand-by state or stop.
2.  SPEED: Change the airflow for the conversion from low speed, mid speed and high speed, the rank is 1-2-3-1.

3.  COOL: Switch to cool mode.

4.  Reserved.

5.  SWING: Start or stop swing.

6.  TIMER: Start timing function.

7.  Reserved.



Operating introduction

Please ensure the power lines are connected correctly before using!

1) ON/OFF

Press this button under the state of stand-by, then it will start running. The mode and the airflow will be the same as the last state when you power off it. The speed is at 2 speed and the cool function is ON when you power it at first time. The airflow will be showed at the range of L, M, H from left to right dynamically.

Press this button while the cooler is operation, it will stop and only the temperature will be showed on it.

2) Airflow adjustable

Press “SPEED” button on the LCD controller or “SPEED” on the remote controller to add or decrease it. It can be changed from L-M-H-L-M-H... and that will be showed on the “airflow indicator”

3) Mode

Press “COOL” button on the LCD controller, the mode will be changed by COOL-VENTILATION-COOL...

When the cooler is start or operating, switch to COOL mode, it will be forced to run for 30s in the lowest speed and then come back to the speed you have set before, it will not affect the speed displays on the remote LED screen.

4) SWING

The “SWING” button will be lighted on when pressing the “swing” button on the LCD controller or remote controller, it controls the switch of swing function.

5) TIMER

“Timer” set to start or stop the air cooler automatically after N hours later. It is set

by the hour. It will start the air cooler automatically in the stand-by state and stop it automatically when it is running during the time is arrived.

“H x” (“x” means the time you set) will be showed on the temperature indicator during the time is setting, and the temperature will be showed again on it after the timer takes effective.

The “TIMER” will be flickering when pressing the button and you can change the time by pressing the “AIRFLOW”, 9 hours is the maximum.

The timer will be working automatically after 5 seconds when you finish setting and the “TIMER” will be lasting lighted on.

How to cancel the time set:

- a. Set the time 00.
- b. Press the “ON/OFF” button when the “TIMER” flickering during setting.
- c. Press the “ON/OFF” button after the timer takes effective.

12.CLEAN AND MAINTAINING

Please Power OFF the cooler before cleaning,

1) Shell Cleaning: please clean with mild cleaner and the soft cloth. Evaporable liquor such as gas or alcohol is NOT allowed.

2) Wet pad cleaning: take out the pad and brush the dust on its surface with SOFT brusher.

3) Water tank cleaning: Set the time and frequency according to manual when automatically cleaned. Take out the plug of drainage outlet and clean it when manual cleaned.

4) Maintenance :

a. We advise to clean the wet pad once per two weeks to ensure the cooling effect.

b. We advise that please drain the water everyday and do the cleanout for tank to keep the fresh air.

c. If there would be a long time no using the air cooler, please power off and drain all the water, and add the net to avoid the dust or ice to prevent it from being damaged and the mosquito breeding.

13. TROUBLE SHOOTING


NO.	Problem	Reason	Solution
1	Air cooler does not work	Power off or incorrect power connection	Replace it
		Controller breakdown	Replace it
		Fuse burnt	Replace it
		Electrical mainboard is broken	Replace it
2	No cooling	The pump is broken	Replace it
		No water or not enough water	Add it
		The cool key on the controller is broken	Replace the controller
		Electrical mainboard is broken	Replace it
3	No airflow	The key on the controller is broken	Replace the controller
		The motor is broken	Replace it
4	Unpleasant odour	Dirty water	Change it to clean water
		Dirty cooling pad	Clean it

Notice:

1. The above is only for your reference, if the problems can not be found in the table, please contact us or a qualified technician for further inspection.
2. Do NOT open and repair the unit by yourself.

14. TECHNICAL PARAMETERS

MAX Airflow(m3/h)	8000	Fan Type	Axial
Pressure(Pa)	80	Speed	3
Power(kW)	0.38	Noise(dBA)	≤62
Voltage /Frequency(V/Hz)	220-240 / 50	Outlet Dimension(mm)	625×640
Rated Current (A)	1.8	Pads Dimension(mm)	(685+30)×640×100 (685+30)×200×50
Net Weight(kg)	31	Overall Dimension(mm)	800×480×1380
Operating Weight(kg)	117	Water Store(L)	57

	CORRECT DISPOSAL OF THIS PRODUCT
	<p>This marking indicates that this product should not be disposed with other household wastes throughout the EU.</p> <p>To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources.</p> <p>To return your used device, please use the return and collection systems or contact the retailer where the product was purchased.</p>

The product has applied for the patent, anyone who copies will be investigated into law responsibility!
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 we preserve the right to pursue legal actions against any unit or individual who may reprint.
 All rights reserved for changing the design of products,
 if anything changes, we may not keep you informed as soon as possible. Sorry for any inconvenience.
 They can take this product for environmental safe recycling.