

- Please read this instruction manual carefully before use
- Please keep this manual properly

# **INSTRUCTIONS FOR USE**

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## **Evaporative air cooler**

Thank you very much for purchasing our products.  
Please read this instruction manual carefully before use!

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### Preface

First of all, thank you for your trust and support for this product. This evaporative air cooler will bring you a healthy and cool life.

This evaporative air cooler adopts the most advanced evaporative cooling technology in the world today, combined with modern production management methods, and is carefully produced. In order to make the machine perform at its best, please read the instruction manual carefully during use.

### **Please read the instruction manual of this product carefully before installation and use.**

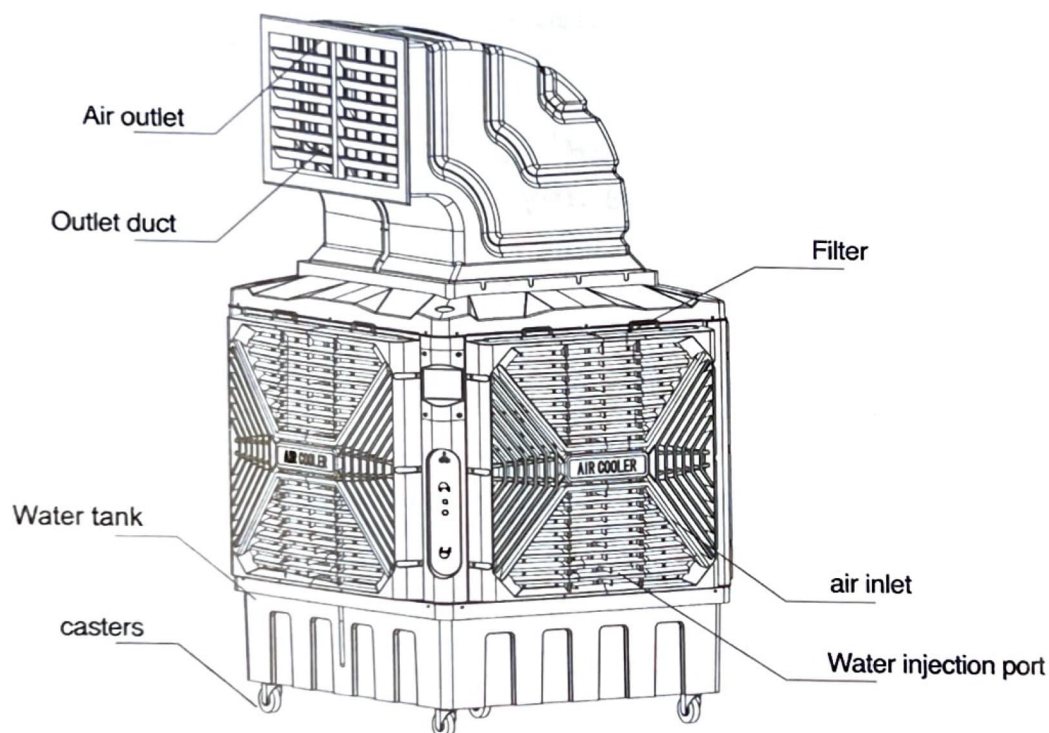
#### IMPORTANT NOTE:

1. This series of air coolers include single-phase power supply (220V/50Hz), three-phase power supply mechanical control models
2. The air cooler must be installed in a ventilated and dry location to ensure that the air cooler inhales 100% fresh outdoor air and avoid inhaling indoor gases:
3. Avoid sending cold air into a closed indoor space and ensure that the air cooler has sufficient exhaust volume area is required to be no less than 0.8m<sup>2</sup>. When mechanical exhaust is used, the designed exhaust volume should not be less than 85% of the air supply volume). Mechanical exhaust and natural exhaust can be combined;
4. When the equipment is operated for the first time, it must be debugged to ensure that the operating power of the air cooler is within the rated range; 5. During the installation and use of the wall-mounted air cooler, be careful not to allow welding sparks or other fire sources to approach the air cooler;
5. Make sure the power cord of the air cooler is connected correctly.
6. Ensure that the voltage is within plus or minus 10% of the rated voltage. If the voltage is too low, the air cooler will not start or start and stop frequently. If the voltage is too low or too high for a long time, it is very easy to cause damage to the air cooler.
7. The installation location of the wall controller and control line of the air cooler should be away from strong magnetic field interference sources (such as frequency conversion adjustment, high-frequency heaters, ultra-high-power motors and other industrial equipment), and try to avoid parallel wiring of the power line. If conditions limit, it is necessary to arrange it parallel to the power line, and it must be ensured that it is more than 30CM away from the power line.

## 2. Technical parameters

Model	Rated Power	Rated Power	Maximum	Water Consumption
CG-747	220-240V~ 50Hz	350W	65L	5-10L/H
CG-748	220-240V~ 50Hz	1200W	130L	5-10L/H

## 3. Structure Diagram

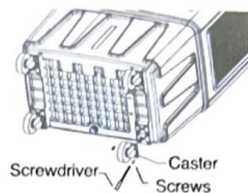


## 4. Functional features

- Principle of cold air humidification: Use a water pump to pump the cold water in the water tank to the top of the machine body and then flow down through the wet curtain paper, and then the rotating wind wheel blows out the cold air with a certain temperature around the wet curtain paper; because the water evaporates and absorbs heat, it achieves Lower temperature and humidification function.
- Wind speed and wind type are adjustable: It has fixed speed, three-speed mechanical speed regulation and 50-speed variable frequency speed regulation, with large air supply volume, which can bring you a comfortable living environment in the hot summer and realize left-right and up-down air supply.
- Cold air humidification function: This machine adopts air humidification technology, which can reduce the air temperature at the air outlet and increase the relative humidity of the air to prevent the air from drying out.
- Wide-angle air supply: Automatic swinging blades, horizontal wide-angle air supply, manual horizontal swinging blades, up and down wind directions can be selected arbitrarily; it can also be connected to the main unit through internal pipes for expansion, and the wind can be directed to any position for long-distance air supply.

## 5. Instructions for use

1. Open the package and take out the air cooler. Place the air cooler on a level surface and check whether the parts in the package are consistent with the packing list in the instruction manual.
2. According to the actual situation, if the machine casters need to be installed by the user, the machine can be laid on its side on the foam, the four holes of the casters are aligned with the installation holes on the plastic base, and the screws provided with the accessories are tightened with a screwdriver. As shown in the right figure. (Applicable to mobile machines)
3. Add water Manual water filling: Open the water filling port cover at the bottom of the machine body and use a water pipe to fill clean tap water into the water tank. Automatic water filling: Connect the water filling pipe to the water level float water inlet of the machine body, adjust the float nut to a suitable water level position, turn on the faucet, and automatically add water to the highest level. The float will automatically block the water inlet and no more water will enter. During use, the water in the water tank will be consumed. When the level drops to a certain level, it will automatically continue to fill with water.

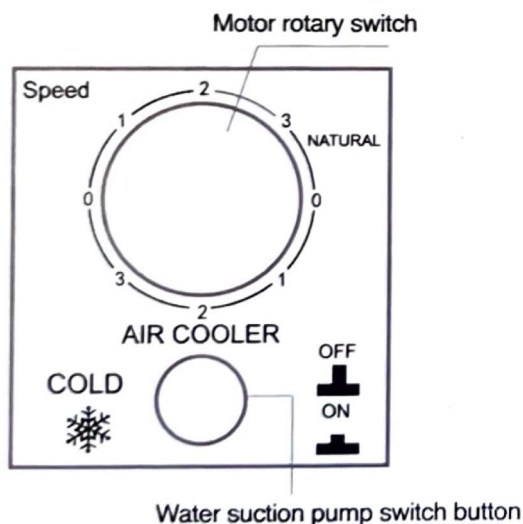


### Notice:

- a. Please unplug the power plug before adding water.
- b. When adding water, pay attention to the "water level display" on the machine body. Do not exceed the " MAX " water level when adding water. When heating with cold air, the water level must not be lower than the " MIN " water level. (Applicable to mobile machine water addition)
- c. It is strictly forbidden to start the refrigeration function of a mobile machine without water.

## 6. How to use

1. How to use the mechanical type (high water tank mobile machine):  
AC 220V three-speed switch panel operation interface:

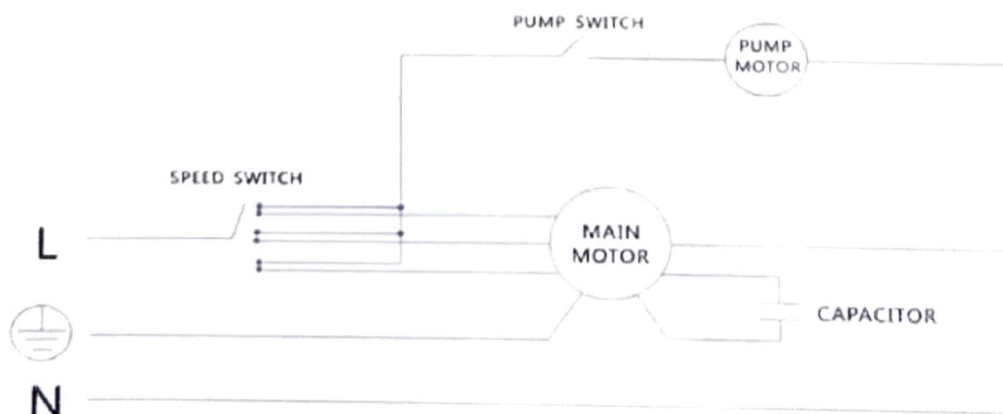


- A. Rotate or press the speed control switch to start or stop the fan and select the wind speed. Three air volume levels: 0-stop 1-low speed 2-medium speed 3-high speed
- B. Cold air : Turn the cold air (humidification) switch to activate the cold air humidification function. At this time, if frozen ice water is added to the water tank, the air outlet temperature can be reduced by about 5°C after a few minutes.
- C. Wind direction (swing): Rotate the wind direction (swing) switch, and the wind direction can swing left and right automatically; manually swing horizontally to select the wind direction manually up and down.

## 7. Precautions

1. This product should be used according to the rated voltage.
2. Non-professional repair personnel are not allowed to repair or modify the machine by themselves.
3. It is strictly forbidden to operate with wet hands to avoid injury caused by electric shock.
4. If the power cord is damaged, to avoid danger, it must be replaced by professional personnel from the manufacturer, its maintenance department or similar departments.
5. Please unplug the power plug when not using the machine for a long time or when cleaning or moving the machine.
6. To prevent accidental injury or damage to the machine, please do not insert foreign objects into the air inlet or outlet.
7. It is strictly forbidden to use the machine in an environment with flammable or explosive gases, and avoid long-term direct sunlight on the machine.
8. Do not place the machine on a slanted or other uneven surface.
9. The water level in the water tank should not exceed the "MAX" indicator scale at anytime. When turning on the cooling air/humidification, the total water level in the water tank should not be lower than the "MIN" indicator scale. (Suitable for mobile machines)
10. After adding water to the water tank, do not tilt or bump the machine when placing or moving it. When moving the machine, please move it slowly from the side to avoid water spilling.
11. It is strictly forbidden to overturn the machine when using it to prevent accidents. If the machine is accidentally overturned and there is water in the machine, you should immediately Unplug the power supply and send it to the maintenance department or after-sales service center for inspection.
12. Do not place objects on the machine and do not cover the air inlet and outlet.
13. When cleaning the surface of the machine, use a damp cloth (or add a small amount of detergent) to wipe it, and do not use corrosive cleaners. Do not use detergent or similar solvents to clean the machine. It is strictly forbidden to flush (rinse) the machine with water.
14. Do not place the air inlet of the machine close to walls, curtains or other objects to avoid danger or damage to the machine.
15. Do not hit or vibrate the machine when it is in use, otherwise it may cause it to stop automatically. (Only for remote control models)
16. The water in the water tank is prone to deterioration and produce odor in summer, so please remember to change the water.
17. Product repairs must be performed at professional repair centers.
18. It is normal to have a small amount of odor when the machine is used for the first two times. This odor is caused by the new wet curtain paper just coming into contact with water. The smell that comes out.
19. The internal structure of the product may be changed due to circumstances without further explanation.

## 8. Electrical Schematic Diagram



**Note:** It is strictly forbidden to open the refrigeration function without water.

## 9. Failure and maintenance

### Mechanical model:

Fault phenomenon	Possible reasons	Solution
<b>Motor not working</b>	1. The power supply is in poor contact or not plugged in properly 2. Motor failure 3. Air switch failure	1. Plug in the power supply and make sure it has good contact. 2. Replace and repair the motor 3. Replace the air switch
<b>water pump not working</b>	1. The power supply is in poor contact or not plugged in properly 2. Water pump failure 3. Air switch failure	1. Plug in the power supply and make sure it has good contact. 2. Replace and repair the water pump 3. Replace the air switch
<b>Drain valve leaking</b>	1. Drain valve rupture 2. Sealing rubber ring is broken	1. Replace the drain valve 2. Replace the sealing rubber ring
<b>Air volume decreases</b>	1. Too much dust on the dust screen and wet curtain	1. Clean the dust screen and wet curtain

### Please send for repair if the following situations occur

1. If the system does not run or runs abnormally, the above methods will be ineffective.
2. Foreign matter or water enters, causing abnormal operation.

## 10. Cleaning and Maintenance

**Warm Tips:** After the machine has been running for a long time, the wet curtain paper will be blocked by dust and other dirt, affecting the air intake and dust removal effect. It is recommended to clean it regularly according to the actual situation.:

1. Clean the wet curtain paper:  
Unplug the power plug, open the side frame of the machine, remove the wet curtain paper, brush the wet curtain paper with a neutral detergent and a soft brush, and then rinse it with clean water.

**Note:** The wet curtain paper should be installed flat to avoid water leakage.

2. Clean the dust screen:  
For machines with dust screens, simply pull out the screens and use a brush to clean the dust off.
3. Clean the water tank:  
Fixed, immovable water tanks cannot be pulled out for cleaning. When cleaning, simply rinse them multiple times with clean tap water. After rinsing, drain the water through the drain outlet, and ensure that clean tap water is used during use.
4. Clean the shell:  
Clean with a mild detergent and a soft cloth.

**Warning:** Because there is high pressure inside the machine, the power plug must be unplugged and the power must be turned off when cleaning. No part of the control panel can be exposed to water.

## 11. Packing List

CG-747	Air cooler 1set	Instructions 1copy	Screws 1set ( 36pcs)	Universal caster (Adjustable)2set	Universal caster (Brake)2set	Elbow,air outlet 1 set
CG-748	Air cooler 1set	Instructions 1copy	Screws 1set ( 36pcs)	Universal caster (Adjustable)2set	Universal caster (Brake)2set	Elbow,air outlet 1 set

## 12. Environmental protection requirements

### Name and content of harmful substances in the product

Part Name	Hazardous substances					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (CR V1)	Polybrominated biphenyls (PBBs)	Polybrominated diphenyl ethers (PBDE)
Switch	×	○	○	○	○	○
Plastic Case	○	○	○	○	○	×
Power Cord	×	○	○	○	○	○
Motor	×	○	○	○	○	○
Capacitance	○	○	○	○	○	○
Casters	○	○	○	○	○	○
Water Pump	×	○	○	×	○	○
Insider	×	○	○	○	○	○
Screws	○	○	○	×	○	○
Packaging, Stickers	×	○	○	○	○	○

This form is compiled in accordance with the provisions of SJ/T11364.

O: Indicates that the content of the hazardous substance in all homogeneous materials of this component is below the limit requirement specified in GB/T26572.

X: Indicates that the content of the hazardous substance in at least one homogeneous material of the component exceeds the limit requirement specified in GB/T26572.

(The "x" parts indicate that due to the current global technology and process level limitations, it is impossible to completely replace environmentally friendly substances or elements. They will be gradually improved with the subsequent technological improvements.)



Restriction of Hazardous Substances Use Symbol

Environmentally friendly use period of 10 years: This means that the hazardous substances contained in this product will not leak or mutate, and the user will not cause serious pollution to the environment or cause serious damage to the person or property if the user uses it normally under the conditions described in the product manual.

Arrow recycling symbol: indicates that this product can be recycled. After the expiration date or after repair, it cannot work properly, it should not be discarded at will. Please hand it over to regular recycling channels or companies with qualifications for the disposal of waste electrical and electronic products. For the correct disposal method, please refer to the national or local regulations on the disposal of old electrical and electronic products.

The above labels are all in accordance with the requirements of China's Hazardous Substance Restriction Management Measures and its supporting standard SJ/T11364. This product will not cause harm to the human body in long-term use, please use it with confidence.

#### Special statement:

All the spaces in this document have been carefully checked. If there is a product technology or software upgrade, a new version of the manual will be compiled. If there is any change in the product appearance, color and performance, the actual product shall prevail.

## After-sales service matters

Dear user:

Thank you for purchasing our company's products. We hope our products can bring ease and convenience to your life! Our company's series of air coolers are complete and finely manufactured. They are strictly inspected before leaving the factory to ensure that the performance of the whole machine is intact and the quality is reliable. The whole machine is under normal use and storage, and the warranty period is one year from the date of sale. The main parts (motor, switch, capacitor, inverter) are under warranty for three years with the invoice; if this product is used for commercial or other purposes, the warranty period is three months.

If a failure occurs during the warranty period, please bring your invoice to the repair center designated by the local dealer for warranty service.

The following situations are not covered by the Three Guarantees and additional repair fees will be charged during repair:

- 1 : Damage caused by improper use, maintenance or storage by consumers;
- 2 : Damage caused by consumers' own disassembly or repair
- 3: No three-guarantee certificate or valid invoice;
- 4 : The three-guarantee model does not match the product model or the three-guarantee certificate is altered by oneself;
- 5 : Damage caused by force majeure or other reasons.

## Warranty Card

### Warranty Card

Product model		Manufacture number		User Name	
Buy Store		Contact Address			
Date:	Maintenance records			Maintenance man	User signature

### Certificate

**Inspector:** \_\_\_\_\_

**Inspection date:** \_\_\_\_\_