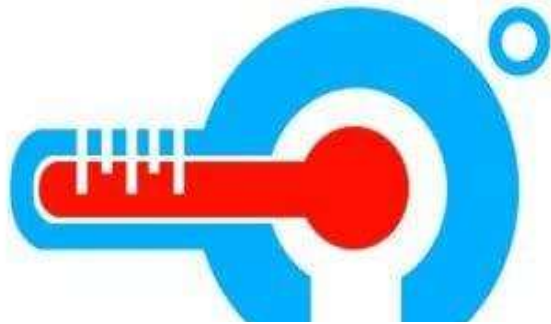


# EVAPORATIVE AIR COOLER CAC-18000NX



Please read and save the instruction manual carefully before use

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# EVAPORATIVE AIR COOLER CAC-18000NX

## Product structure diagram

Figure 1



# EVAPORATIVE AIR COOLER

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### Safety Precautions

Respected user

Thank you for choosing this product. To facilities your use, please read this manual carefully and follow the instructions. Please keep the instructions and invoices in a safe place. If you encounter any difficulty in use, or have any opinions or suggestions on our products, you can contact the distributor or directly call our service hotline.

Please read this manual carefully before use. Our company reserves the right to explain the instructions. Product appearance, please prevail in kind. If you encounter product technology or software upgrades without notice.

### Safety precautions

The non-professional personnel or unauthorized repair personnel shall not repair or modify the machine by themselves.

It is forbidden to operate with wet hands to avoid electric shock.

If the power cord is damaged, it must be replaced by the manufacturer, its maintenance department or a similar professional in order to avoid danger.

Do not clean, repair and move the machine with power.

If you do not use the camera for a long time, unplug the power plug.

Please do not insert foreign objects into the air inlet and outlet, because the machine is equipped with high-speed rotating wind blades to prevent accidentally injury or damage the machine.

It is forbidden to use this machine in an environment with flammable and explosive gas.

After adding water to the water tank, do not tilt or bump it while placing or moving the unit. To move the unit, slowly push it from the side to avoid water overflow.

The use of this unit is strictly prohibited to turn over to prevent accidents. If the unit is accidentally dumped and there is water in the machine, unplug the power plug immediately and allow it to dry after 24 hours.

10. Do not place objects on the unit and do not cover the outlet.

11. When cleaning the exterior of the unit, wipe it with a damp cloth (or a small amount of detergent)

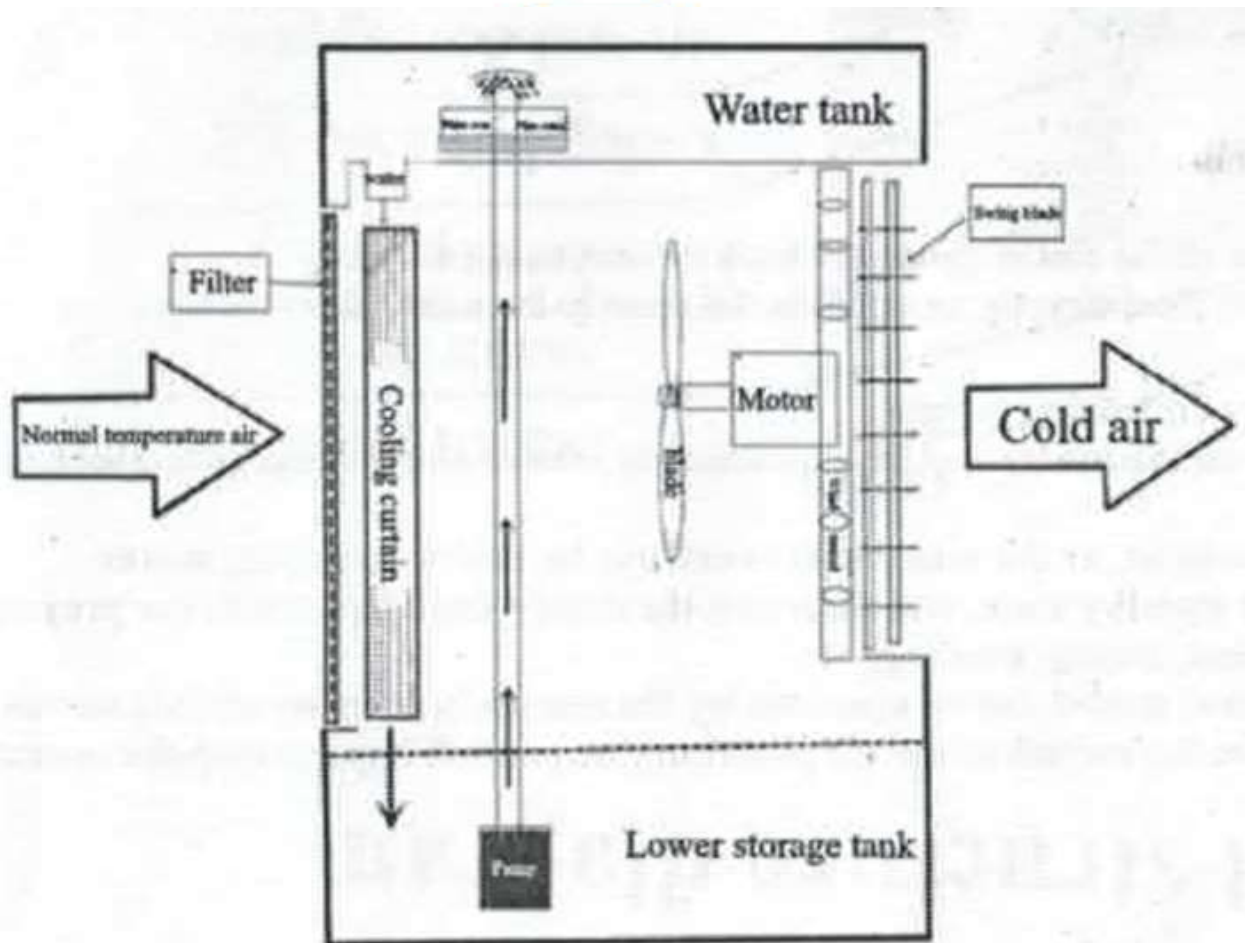
12. Do not put the air inlet and outlet of this unit close to walls, curtains, etc., otherwise it may block the airflow and affect the air supply effect.

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13. This machine uses a temperature range of 5-45 degrees, the water in the summer tank is easily deteriorating and produces odor. Please pay attention to changing the water. Use humidification of the machine in winter. If the room temperature is lower than zero, it is best to use warm water to humidify.
14. Do not place this unit directly on the power outlet.
15. Product maintenance must be performed at the designated maintenance point.
16. It is forbidden to use the cooling function without water.

### Cooling Principle



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The evaporative cooling air cooler is a very economical German refrigeration method. This product makes full use of the principle of “evaporation and cooling” and use a wet curtain as an evaporator. It not only has a good cooling effect, but also filters dust from the air and improves air quality. To prevent secondary pollution, the principle of cooling is, through the fan’s ventilation, negative pressure is generated in the machine, and the water pump sends the water to the water to the upper water filter, and the water is filtered twice and enters the water separator. Example (Figure 3) The water evenly wets the surface of the entire curtain, and the special angle of the curtain allows the water to flow directly to the side where the air enters the wind. The hot air passes through the curtain that is wetted by water and absorbs a large amount of heat in the air, so that the curtains passes through the wet curtain. After the temperature of the air cools down, the fan’s rapid rotation causes the wind to produce a cohesive force through the specially designed air duct, thus achieving the effect of farther blowing distance and greater wind pressure, making the sent air cool, moist and fresh. The unevaporated water falls back into the chassis and forms a water circuit.

### Product Specifications

model	Rated Voltage	Rated Frequency	Rated power	Electric shock protection type	Product appearance size
ZY60	220V	50Hz	240W	1	670x430x1010mm
ZY60A	220V	50Hz	240W	1	670x430x1010mm
YF60	220V	50Hz	240W	1	670x430x1010mm
ZY60-01	220V	50Hz	240W	1	670x430x1010mm
ZY60A-01	220V	50Hz	240W	1	670x430x1010mm
YF60-01	220V	50Hz	240W	1	670x430x1010mm
ZY80	220V	50Hz	280W	1	670x430x1190mm
ZY80A	220V	50Hz	280W	1	670x430x1190mm
YF80	220V	50Hz	280W	1	670x430x1190mm
ZY80-01	220V	50Hz	280W	1	670x430x1190mm
ZY80A-01	220V	50Hz	280W	1	670x430x1190mm
ZY80-01	220V	50Hz	280W	1	670x430x1190mm
ZY120	220V	50Hz	500W	1	770x500x1320mm
ZY120A	220V	50Hz	500W	1	770x500x1320mm
YF120	220V	50Hz	500W	1	770x500x1320mm
ZY120-01	220V	50Hz	500W	1	770x500x1320mm
ZY120A-01	220V	50Hz	500W	1	770x500x1320mm
YF120-01	220V	50Hz	500W	1	770x500x1320mm



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### Installation and use

Open the package and remove the machine  
Install casters

Add water: Open manual water inlet of the chiller (press the buckle down to open it) and use the tap water connection to connect the float directly, or open the lid directly from the filter box in the upper tank. Note clear water.

When adding water, pay attention to the following points:

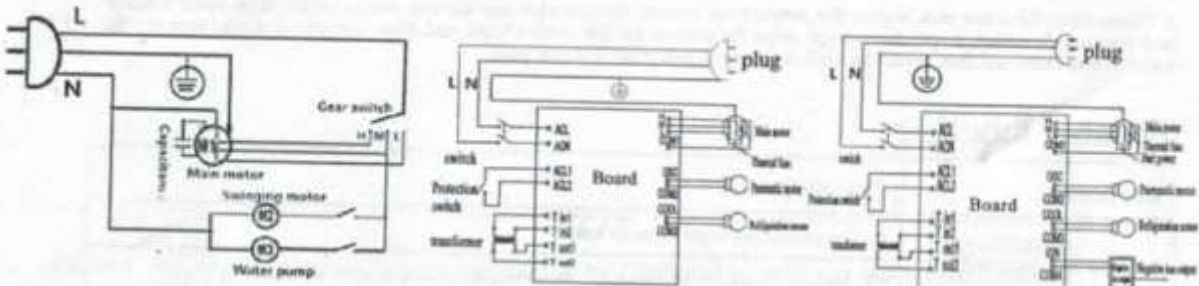
Remember the splash water on the motor and its surrounding area to avoid damage to electrical components.

Add water to highest position, or the water will overflow, be sure to use clean water.

Connect the power supply, enter the standby state, and then turn the rotary knob clockwise (or press the on/off key) to use, and set the wind speed, swing, cooling, etc.

In the running state, the remote control model can be operated by the remote controller or the control panel. The mechanical model can rotate the switch to the off position (turn on/off key) to stop the operation and return to the standby mode.

### Product circuit diagram



ZY60	ZY80	ZY120	ZY60-01	ZY80-01	ZY120-01
ZY60A	ZY80A	ZY120A	ZY60A-01	ZY80A-01	ZY120A-01
YF60	YF80	YF120	YF60-01	YF80-01	YF120-01



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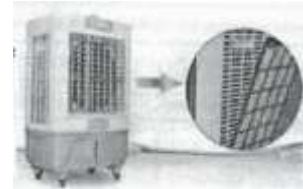
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### Repair and maintenance

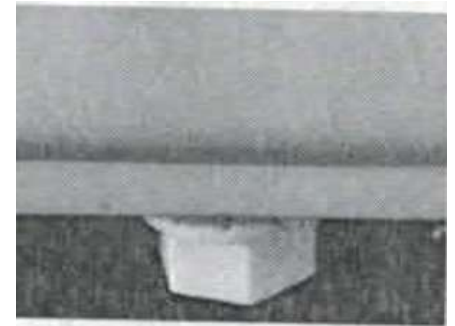


**Warning:** The power plug must be unplugged (power off) before performing any maintenance.

After removing the air filter and clearly rotating the detents of the filter remove the right and left sides and the rear stencil and rinse it. Then, reinstall it.



Disassembly of the left and right side plates and rear plate



Water tank drain

Turn the lid under the tank counterclockwise to empty the sewer. Suggestion: Better clean water every day, so as not to put too long to produce odor. If you do not use it for a long time, you must clean and drain the tank to prevent bacteria breeding

### Maintenance and storage methods

Reminder: After the machine has been running for a long time, filters, curtains, and water tanks will be affected by dust and other dirt blockage, dust and humidification effect, it is recommended to clean once a week according to the actual situation.

1. Before cleaning the air filter, unplug the power plug and remove the air filter. Clean the air filter directly with a soft brush. Rinse with water and dry it, the reinstall it on the machine.

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2. After cleaning the water curtain, please unplug the power plug, remove plug, remove the air filter, then remove the curtain fixing plate, rinse with fresh water, and then put it back on the machine.

3. Please clean the water tank, unplug the power plug, remove the rear plate and the side plate, turn the drain cover under the tank counter-clockwise, empty the sewage, wipe the scale in the tank with a brush and dilute the detergent, and then use the water. Rinse clean and then install the tank drain cover side plate and rear plate.

### Troubleshooting

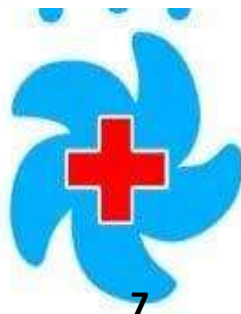
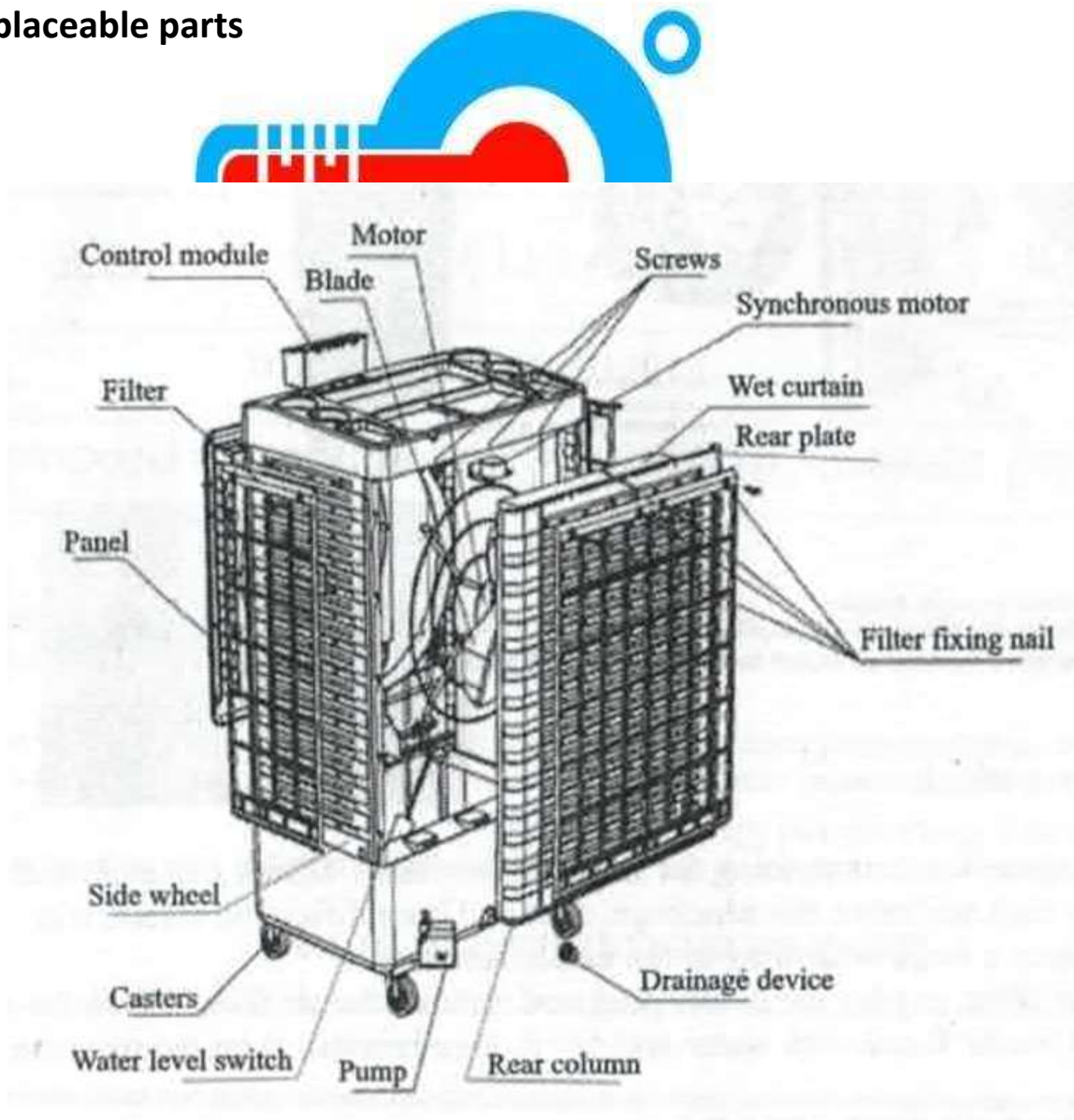
Malfunction	Cause/Solution
Cold fan cannot start	1.1 The power cord is not correctly linked.
	1.2 The power switch is not turned on, please turn the switch or touch switch key
Can not be cooled	2.1 The pump is not started, please press the cooling or touch switch button
	2.2 The water level is too low. Please add water and confirm that cooling is on.
	2.3 Damage to the pump or water level switch. Please replace the water pump or water level switch
The fan does not turn	3.1 Check if the power supply is properly connected
	3.2 The power switch is not turned on, please turn the switch or touch switch key
	3.3 If ground protection is connected, check for open circuit.
Leaves do not move	4.1 Please check whether the swing button is open, please open the swing button
	4.2 Pendulum motor damaged, please replace the blade motor
	4.3 Please check if the motor is normal
Box leaving water	5.1 Please check whether the drain cover is tightened and the cabinet is broken





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Replaceable parts



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### Environmental instructions

This product satisfies the requirements of the “Management Measures for Restricted Use of Harmful Substances in Electrical and Electronics Products”;

During the period of environmental protection use, consumers will not be exposed to problems such as leakage or precipitation of harmful substances during normal use, and they can use it safely.

The company’s product environmental protection use period is 10 years, only in the normal conditions described in this specification when using this product, “environmental use period” is valid.

### Names and contents of harmful substances in products

Part Name	Harmful Substance						Remarks
	Pb	Hg	Cd	Cr (VI)	PBB	PBDE	
Plastic parts	0	0	0	0	0	X	
Hardware	0	0	0	0	0	0	
Components	x	0	0	0	0	X	
Circuit board assembly	x	0	0	0	0	0	
Power cable	x	0	0	0	0	x	

#### This form is based on the provision of SJ/T11364

0: Indicates that the content of the hazardous substance in all homogeneous material of the component is below the requirements specified in GB/T 26572;

X: Indicates that the content of the hazardous substance in at least one of the homogeneous materials of the components exceeds the limit specified in GB/T 26572;

Remarks: Among the parts marked “x” above, some containing hazardous substances exceeding the standard are due to the current technical level of the industry, temporarily unable to achieve replacement or reduction.



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### Warranty Card

The machine warranty is one year and the warranty period starts from the date of invoice. For products that are out of warranty or out of warranty, paid repair services are provided. If this product requires repair, please send it to an authorized dealer and present this warranty card and invoice.

The following conditions are not covered by the warranty:

- Damage caused by maintenance of spare parts by unspecified professionals
- Failure or damage due to the use of the environment does not meet product requirements (such as voltage instability, water pressure is too low, water contains impurities, etc)
- Failure or damage due to uncontrollable factors (such as fire, earthquake)
- Failure or damaged caused by improper installation or other human factors
- Due to lack of normal maintenance, causing water curtain, dust net blocking caused burn insurance, wind blade deformation, motor failure, etc.
- Use beyond the scope of use of the relevant product

#### Please fill in the following user information

User name		Mailing address	
User phone		contact	

#### Please fill in the following purchase information

Dealer name		phone	
contacts		Date of purchase	

Maintenance records	Repair date	Failure and maintenance	repair location	Maintenance staff signature

#### INVOICE PASTE

Please post the purchase invoice here for maintenance and repair purposes.

**Note:** Please properly save the card and purchase invoice; In the regular warranty need to provide purchase invoice, regarding the warranty terms, please refer to the warranty description.