

Evaporative Air Cooler User Manual



KAD-50P

Please safe keep the user manual
Please careful read the user manual before you use the machine

Evaporative Air Cooler

10、The common fault and solution

Fault	Possible reason	Solution
A. Unable to on/off	A. Not connect the power supply B. The control board have fault	A. Check the plug B. Change the control board
B. Burn out the fuse continually	A. The submerged pump is broken	A. Change new submerged pump
C. Water leakage	A. Lay up the machine oblique B. Water tank leak out water C. Have not tight wrested the drain off screw nut	A. Move the machine to a horizontal place B. Repair the water tank
D. Have big noise	A. The fan blade is dirty, trans mutative or broken B. Motor is worn-out C. Have sundries on the air intake or air outlet	A. Clean or change the fan blade B. Change the motor C. Clean the barriers
E. No air supply or the wind is too small	A. Wetted curtain or filter have been blocked up B. Air blower do not work or work slowly	A. Clean or change the wetted curtain and filter B. Check the motor if it is broken
F. Can not cool	A. Do not have enough water in the water B. The water level control system have fault C. Submerged pump broken D. Control board have fault.	A. Add water into the water tank B. Check the water level sensor C. Change the submerged pump D. Change the control board
G. There is white precipitation in the water tank or on filter	A. The water from the water supply is too hard	A. Add the cleaning frequency

Note: if there is some renew , will not arrange again.

Evaporative Air Cooler

1、Brief introduction

Evaporative Air Cooler have the below advantages:

a. Energy-saving: compare to the air conditioners, can save more than 80% energy.
b. Environmental protection: when the machine works, it never releases ant harmful substance. Don't have Freon.

c. High-efficient: can use the least energy to create biggest cooling purified effect.
Evaporative Air Cooler suit for the whole world. They use the newest fan blade.

They have the high revolution, high-airflow.

The working principle is to let the water change to the steam in a short time.
It will absorb the heat in the air, consequently the temperature is down.

When it works, water-pump pumps water from water tank.

The water thief spreads the water onto the heat exchanger which produced by special materials.

The high-airflow fan blade rotates with high-speed.

The fresh air from the outdoor passes the heat exchanger with high speed.

At the same when the water change to steam, create many hydroxide ion.

The fresh air with hydroxide ion enters the room, and the nepheloid air will exhaust through the open doors and windows to the outdoor.

When the machine works circle, the temperature of the indoor reduces, and also the indoor air is cleaned.

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.

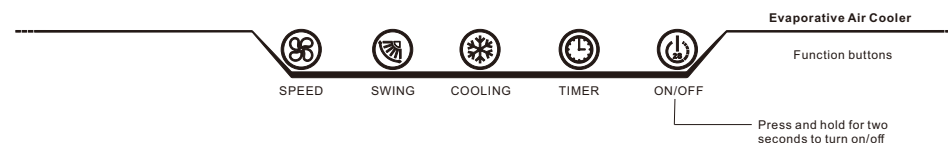
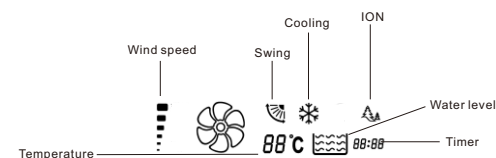
Children should be supervised to ensure that they do not play with the appliance.

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.

2、Use Environment

- a. Ambient temperature: 2°Cæ45°C;
- b. Relative humidity: less than 90%;
- c. High-pressure: elevation is on more than 1 kilometer;
- d. 0°C <water temperature < 45°Cæ;
- e. Deviation of the voltage can not bigger than 10%;
- f. No caustic air.

3、Control Board



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4、Operate description

1. System Illumination

This air cooler has ON/OFF, SPEED, SWING and COOLING totally four buttons, with functions of LED light display and infrared remote control.

2. System Features

- a. Two working modes: cooling, ventilation;
- b. Water shortage buzzer alarm protection, pump protection;
- c. Light display switch control (on the remote control).

3. Introduction of Functions

a. "ON/OFF" button

On standby mode, press "ON/OFF" button on the control board or on the remote control, the machine will start working. The LED screen lights up, displaying the current temperature and water level. The "SPEED", "SWING" are the same as the previous state before shutting down. The wind speed defaults to medium speed (2) at the first connection to power. The wind speed indicator shows 1 to 6 speed. Press "ON/OFF" switch again, the power will be off.

b. "COOLING" button

This button is the shift between Cooling and Air-blast functions.

On the status of air-blast, press the "COOLING" button on the control board or the remote, the air cooler will work by the cooling mode. If there is enough water in the water tank, the water pump will work for cooling.

Press the "COOLING" button again, the machine will transfer to work by the "Air-blast" mode, and meanwhile the water pump stops working.

Note: when the water tank do not have enough water, the air cooler will work from cool mode to blast mode, and the buzzer alarms.

c. "SWING" button

On the air-blast or cooling mode, press "SWING" button to start or stop the swing function. The swing pilot lamp is on and the machine will be at swing mode. Shut down "SWING" key, the swing pilot lamp is off.

d. "SPEED" button

Press "SPEED" button on the remote control or control board, the wind speed can switch in the 6 to 1 and 1 to 6. The wind speed is at medium by default on the first electricity boot.

Additional Information:

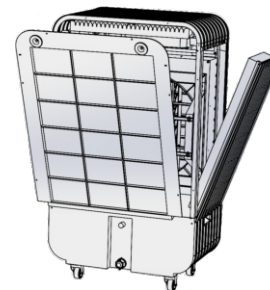
- a. The functions which can work on cooling mode: swing, wind speed, UV, water pump.
- b. The functions which can work on air-blast mode: swing, wind speed.
- c. Each reboot will display the previous state before power off.

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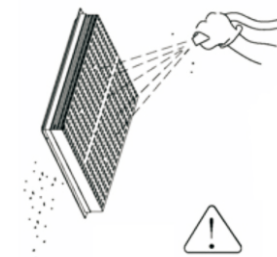
9、Maintenance

Unplug the appliance during filling and cleaning

Clean the wetted curtain and filter



Please firstly take down the screws in both sides of the plastic door, then press the fasteners in the plastic door to open the door, remove the dust filter, take out the cooling pad. Identical to the same method for cooling pads in other sides.



Prnote: the water pressure can not be too high when cleaning. Forbid to use acidic or alkaline detergent to wash the wetted curtain.

Wash the water tank

- 1. Pull of the plug, removal the screws on the shutters, take down the shutters.
- 2. Wriggle the drainage valve at the bottom by hand.
- 3. Use softy cloth or brush to wash the chassis.
- 4. Use wet cloth to clean the fouling on the water level sensor.
- 5. Use brush to clean the fouling on the pump and filter.

Wash cover

Use gentle bowl deodorizer and softy cleaning cloth to wash.

(do not use the detergent which can produce foam, volatile solvent, hard brush to clean. The wrong cleaning can break the machine)

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Clean the water tank, clean the wetted pad, move the machine, long time for no use the machine. Please pull off the plug from the socket



Maybe injured you or get an electric shock

Repair the machine, should to call the person whom is designated by the supplier



Easy to cause negative effects

Use the water with water pressure 0.15MPa to 0.6MPa to supply water. The temperature of the water can not higher than 45°C



Maybe cause the wetted pad dissolution, plastic deformation, broken

Please do not to put foreign body into the air intake and air outlet. Please do not let children close to the running machine. And do not let anybody put anything into the protecting net

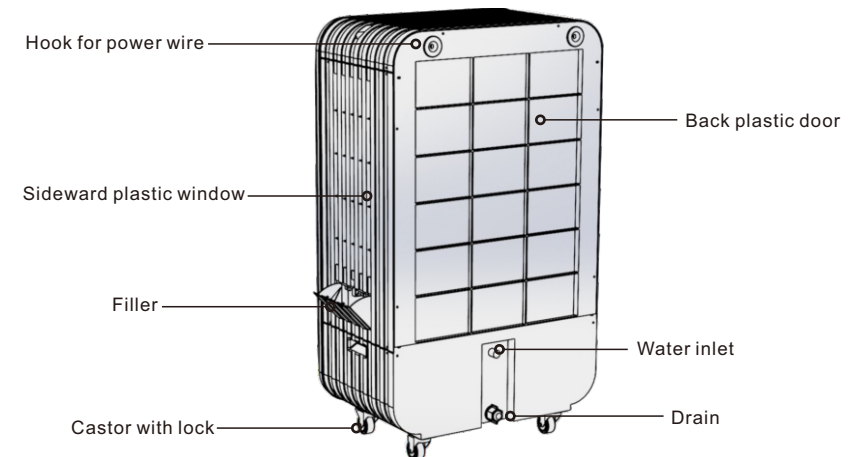
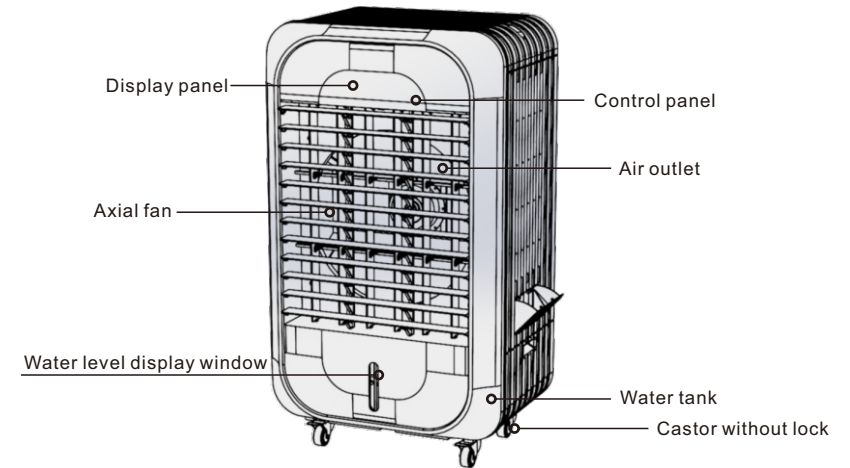


Will be injured by the fan blade which is with high speed running

- Forbid to use the machine in the environment with inflammable or flammable gas, avoid long time shine by the sunshine.
- Please do not to put the machine on oblique or unbalanced place. Avoid the machine fall down.
- Please do not let the air intake or air outlet close to the wall, curtain etc material object. Otherwise, will block up the air current.
- If the water tank has water, please do not slope or knock the machine when you lay up or move the machine. Please move the machine from the side carefully, to avoid the water overflow.
- Please do not put some flaming appliance below the wind can blow over. Other wise produce carbon monoxide.
- Long time not use the machine, please empty the water tank. Then let the machine works 10 minutes in the blast model. Cut the power supply after the wetted curtain is dry.
- If use the socket to supply power, the socket should be accord with standard IEC33-1. When use the power wire to supply power, should to install a switch with open spread more than 3mm.

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5、Structure picture

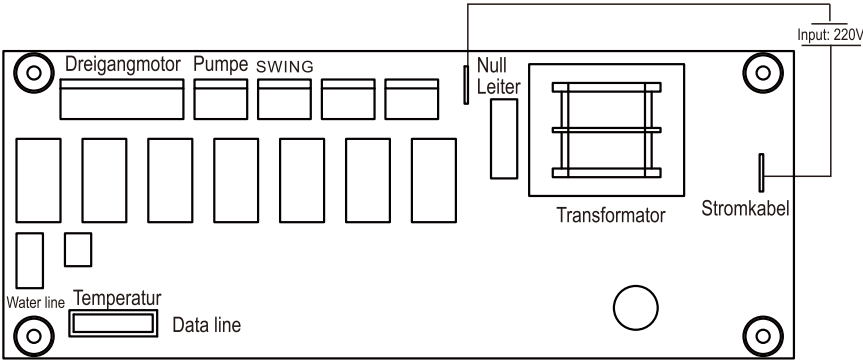


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6、Parameter

Product model	KAD-50P
Voltage/Hz	220V/50Hz
Power consumption	1.5A
Water consumption	6.5L/h
Air outlet size (mm)	494*560mm
Noise	62dB
Maximum airflow	8m/s
Power	200W
Water capacity	45L
Dimension (mm)	620*500*1080mm
Net weight	26kg
Blower style	Axial flow

7、Circuit principle picture



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8、Noted

In order to avoid damage, please follow the below items:

- No specialized staff or no authorized repairman, can not repair or remake the machine

➡

Maybe cause fire, or be injured by abnormal action
- Please don't use when the voltage is lower than 220V

➡

Easy to cause fire or electrocution
- Please use the socket with rated current bigger than 5A

➡

Easy to cause fire
- This machine should to use single phase bipolar power supply. And the plug should with earth wire which should be sure to connect the earth.

➡

When the machine have malfunction or electric leakage, the people is easy to get an electric shock
- When you pull out the plug, please make sure to catch the head of the plug, but not the power wire. Forbid to pull out the plug by wet hand

➡

Easy to cause an electric shock or short circuit
- Please do not crumble, bend, hard draw, twist or bind the power wire. Please do not put heavy object on the power wire. When the power wire ages, tie off, damage, should to stop use the power wire

➡

Easy to cause fire or get an electric shock