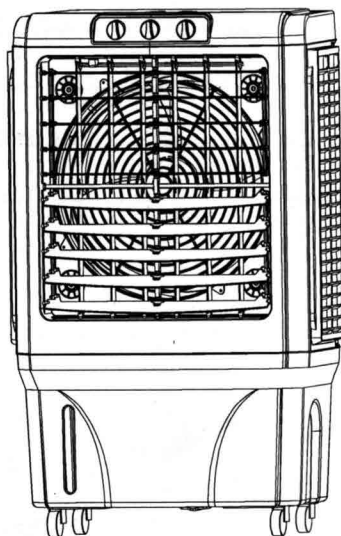




Instruction Manual

Evaporative Air Cooler



Model: X200M

Please read this manual carefully before operating your items.
Retain it for future reference.

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REMOVE ALL PACKING MATERIALS FROM THIS PRODUCT BEFORE USING IT. THIS APPLIANCE MUST BE INSTALLED ON A FLAT SURFACE. PLEASE ENSURE THE ELECTRIC SUPPLY TO THIS APPLIANCE IS DISCONNECTED BEFORE INSTALLING.

Please read this instruction carefully. It is advisable to keep this instruction manual in a safe place for future reference.

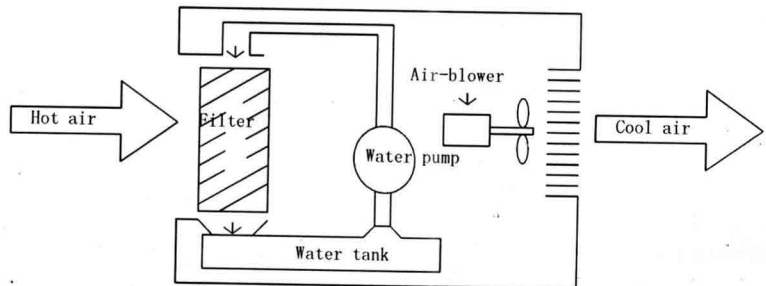
1 Product Introduction

Evaporative air cooler is a kind of modern energy-saving product which is developed through years of research and experiments. It has the following advantages:

1. Energy-saving: Up to 80% or more while comparing with traditional air-conditioner
2. Environment protection: No discharge of hazardous substances and freon free during its operation.
3. Efficient: Achieving the maximum cooling and purifying effect with minimum power consumption

Evaporative air cooler is developed as a new generation of products combining of climatic conditions, which is using a new generation of blades with high speed and large air volume.

Its working principle is a "direct evaporative" humidification and cooling technology. Not only have cooling functional but also can achieve cooling effect of air humidification. Continuously circulating pump draws water from the water tank, and then the water distributed to the wet curtain. When the hot air enters into the wet curtain which is a cell-type filter layer made of special material, and then it exchanges energy with water, a satisfactory effect of cooling can be obtained. Pure cool and clean air then blows indoors under a precise pressure rendered by air blower while the hot air goes out of the room through open vents or windows. Such cycle achieves the goal of lowering the temperature in the room.



Principle Diagram

II Main Specifications

Voltage/Frequency	220V/60Hz
Working Current	0.8 A
Water Consumption	2~3 L/h
Outlet Size (mm)	510×470
Noise	60dB
Max Air Volume	5000m ³ /h
Power	175W
Water Tank Capacity	45L
Packing size (mm)	630×400×1030
Weight	16kg
Fan Type	Axial Fan

III Range of Application

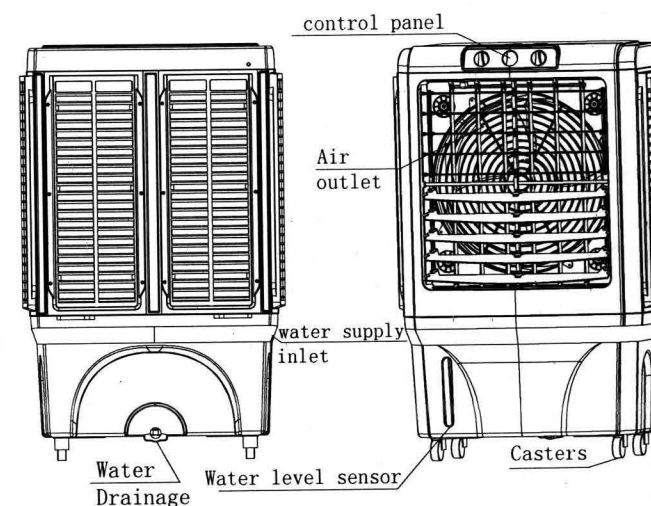
Due to the remarkable advantages of evaporative air cooler in cooling, humidification, cleanness, energy-saving and ventilation, it is used in many ventilation and cooling places. This product is mainly used in the following places

1. Electronics, electroplating, footwear, printing, plastics, clothing, packaging, food processing industry
2. Textiles, machinery, ceramics, chemical industry, metallurgy, glass, metal, leather and other manufacturing;
3. Hospital, clinic, schools, waiting rooms, cafes, shopping malls, supermarkets, laundry room;
4. Offices, home, kitchens, market, large entertainment center, underground parking room, stations and other public places
5. Greenhouse, flowers, poultry, livestock, and other types of farms
6. Existing chiller air conditioning and auxiliary equipment used blower
7. Places of high humidity required for indoor use

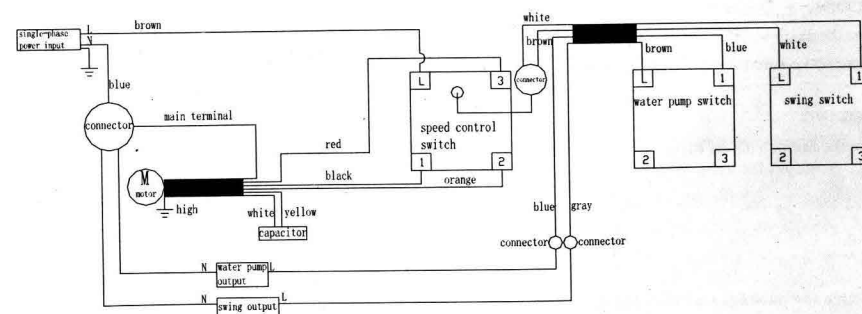
IV Using Environment

1. Environment Relative Humidity: $\leq 95\%$
2. Atmospheric pressure: 86kpa~106kpa
3. $0^{\circ}\text{C} < \text{Water supply temperature} < 45^{\circ}\text{C}$, water supply pressure: 0.15~0.6mpa
4. Voltage deviation does not exceed the rated voltage of $\pm 10\%$
5. No corrosive gases

V Structure Diagram

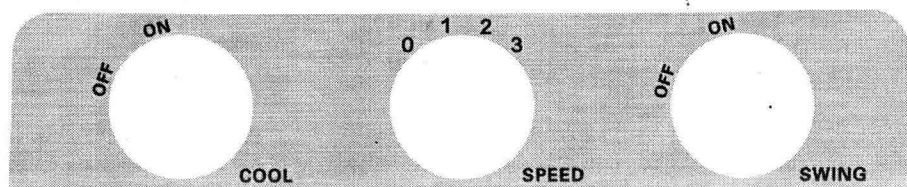


VI Circuit Wiring Diagram



Operation Instruction

Operation of manual knob controller, as following:



Manual knob control ↑

After plugging to a 220V/60Hz power outlet, it will be in stand-by mode.

1. SPEED

Turn the knob to the right to adjust the air speed. Turn the speed knob to 1 for Low, to 2 for Medium, and to 3 for High. To switch OFF, the unit turns the speed knob to 0 position.

2. COOL

Turn the knob to "ON" to initiate the cool mode. Turn the knob to "OFF" and it will be changed to wind mode. Please make sure the water tank is with water when it is "On".

3. SWING

Turn the knob to adjust the louvers, the vertical louvers will begin to move from left to right automatically.

VIII Installation Instruction

1. Open the package and take out the air cooler.

2. When adding water, open the water inlet on the top cover, put the water into the water tank, then observes the water level by the floating ball and pay attention to the following:

Avoid splashing water into the motor in order to prevent electrical components from damages.
The water must be below the maximum level (-), otherwise the water will overflow.
Must use clean water to fill up the air cooler.

3. Turn the speed knob at stand-by mode to turn on/off the fan, then you can select speed, swing, and cooling.

4. Warning

- Always operate the product from a power source of the same voltage, frequency and rating as indicated on the product identification marking.
- Do not operate this product if it has malfunctioned, damaged cord or plug or appears damaged in any way. Return the complete product to the place of purchase for inspection, repair or replacement.
- This product should not be used in the immediate vicinity of water, such as bathtub, washbowls, swimming pool, etc. where the likelihood of immersion or splashing could occur.
- Always switch off and unplug the plug from outlet when not in use, before assembling or disassembling parts and before cleaning. Fully assemble the air cooler before operating.
- Avoid contacting with moving parts.
- Do not insert any object through the air outlet when the air cooler is operating.
- Do not cover the guard or operate in close proximity to curtains, etc.
- Always disconnect the fan when moving it from one location to another.
- In high humidity season, it is better to choose wind mode as there is humidifying effect in cool mode.
- After adding water, do not tilt, collide, lay or move the machine to any position that will make the water overflow. Do not overturn the machine.
- Do not cover the air outlet, at least 1 meter distance space should be provided in front and back of the machine.
- Clean the product with a wet cloth. Do not flush it with water directly.
- If the machine with water is overturned, pull the power plug immediately. You should only restart the machine after it thoroughly dries out, otherwise, it may cause malfunction.
- Do not let the air outlet facing near to the wall or window curtains as it may cause the air flow be blocked.
- If the machine is not in use, pull the power plug out.

IX Maintenance Instruction

Turn the power off before maintenance or repair of the machine in order to prevent accidents. To ensure the cooling effect of the machine, the machine body should be wipe by clean cloth every day or every week. The interior of the machine shall be also cleaned regularly, and the proper cleaning interval is once a month; however, the actual cleaning time will vary depending on the exterior environment.

1. Instructions for cleaning the interior of the air cooler:

- a) Loosen the rubber cover at the drain hole, and then clear away the remaining water in the water tank.

- b) Remove the air inlet shutter together with the evaporation heat exchanger, then clean with water, finally install it.

Attention: during cleaning, the pressure of the water should not be too high. When cleaning the honeycomb, Please don't use the acidic or alkaline detergents.

X Troubleshooting

Troubles	Common causes	Solutions
No air flow	Motor starter's capacitor damaged	Inspect and repair the appliances. (only by authorized service center)
	Motor damaged	Inspect and repair the appliances. (only by authorized service center)
	There is jam at honeycomb or air filter	Clean out the wet
Airflow not cool	Be short of water in water tank	Add water
	Water pump damaged	Inspect and repair the appliances. (only by authorized service center)
	honeycomb is dirty	Clean the honeycomb
Unpleasant odor	Water or honeycomb is dirty	Change the water and clean honeycomb

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