

Evaporative Air Cooler KT-1E

User Manual



KT-1E– BASIC PRINCIPLE

The cooler is a high-tech product, originally from Europe. It is made in accordance with European high technology.

Its working principle is that water evaporation drives away the surrounding heat and causes the temperature to cool down.

When water is continuously distributed onto cooling pad surface evenly, the wet cooling pad makes air cool and fresh. The circulating water falls to the bottom, forms the water cycle. There is a water level indicator at the bottom. So when the water level indicator reaches the bottom level, the inlet valve will open automatically to add water; When the water reaches the indicated full level, the valve will close automatically.

KT-1E–APPLICATION

Public places :

Company office, supermarket, shop, family big living room, public waiting room, hospital, school, workshop, workers dormitory, temple, outdoor teahouse / coffee bar, restaurant, recreation facilities, etc

Manufacturing :

Textile, machinery, ceramic, refine chemical industry, metallurgy, hardware and leather.

Industrial processing :

Plating, electronic, shoe making, painting, plastic, clothes making, food package, etc.

Others :

Bareback, golf court, bakery, playground, washing room, kitchen, vegetable market, gym, underground parking lot, park, warm room, stock farm, garden, etc

KT-1E----TECHNICAL SPECIFICATION

PARAMETER / MODEL	KT-1E
Max Airflow (M ³ /H)	6000
Power supply/Frequency (V/HZ)	220-240/50
Power Consumption (W)	290
Fan Style	Axial
Water Consumption (L/H)	4-6
Water Capacity (L)	60
Dimension (L*W*H) (mm)	860×500×1200
Weight (KG)	32
Effective Cooling Area (M ²)	30-50

KT-1E----TECHNICAL SPECIFICATION



New evaporative cooling pad, energy saving and environment friendly.



Optimizing air quality, through silent wind.



Circle wind, more comfortable.



Time setting function,



More convenient with remote controller



3 Levels Wind Speed (Low, Med & High)



Large capacity water tank, for longer operating hours.



Truckle/wheel with brake for easy transport.



Micro-computer Programme Control, LCD Panel.



Unattached function, keeping humid off, feel fresh in dry weather.



Equipped with IONIZER, releases fresh air.

KT-1E -IMPORTANT REMINDERS

Please read the manual carefully and operate the cooler before use.

A) Use the machine in the following condition :

- 1- Temperature: 18°C ~ 45°C; Water Temperature: < 45°C.
- 2- Electric voltage must not exceed the required volt (+/-) 5%.
- 3- No pollution of surrounding.

B) The circuit of the cooler must be properly connected and protected to prevent mouse bites. Do not trample and over-stretch the wire, it may cause short circuits. Wrong electric voltage of wrong socket will cause danger of electric shock.

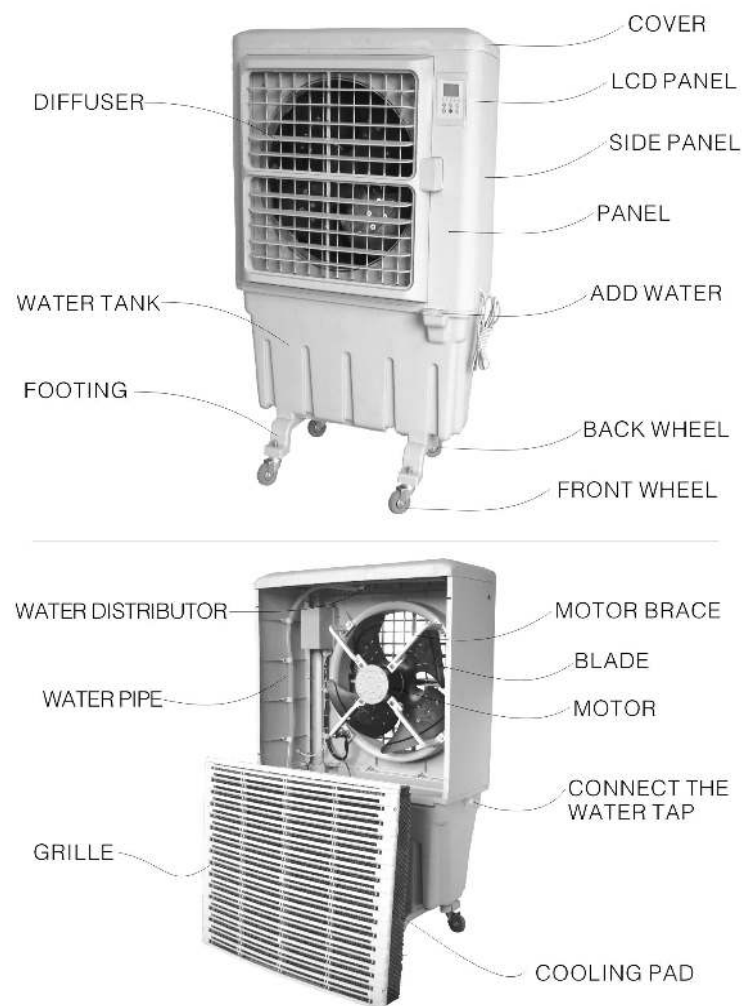
C) Do not use wrong circuit or other wire metal made of other materials which may cause machine malfunction or explosion.

D) If the product is not operating well or may have malfunctioned, please inform the distributor or dealer.

E) other tips for cooler use :

- 1- Keep the doors and windows a little opened to bring in fresh air from outside when cooler is operating.
- 2- Check water level in the water tank and supply water when the red light on LCD panel is flashing.
- 3- Fresh water is suggested to be replaced in the tank for one or two times in the beginning period of cooler operation.
- 4- Push the cooler carefully if the tank is full with water, especially if the floor is rather rough.

KT-1E –EXPLODED DIAGRAM



KT-1E– OPERATION INSTRUCTION

1. Press “On/ Off” to turn on / turn off the cooler.
2. Press “Cool” button to activate cooling function. Water pump works for one minute, then fan deliver cooling air.
3. Press “Speed” to select desirable speed (Low, Medium, High).
4. Press “Swing” to enjoy natural cooling air.
5. Press “Timer” for time setting. When power is on, press ‘Timer’ to set the time of cooler operation start; if press until “00” appears, the setting time of cooler operation start is cancelled. When cooler operation, press “Timer” to select the time of cooler operation finish, if press until “00” appears, the setting time of cooler operation finish is cancelled.
6. Water supply
 - Clean water must be used.
 - Pour water into water inlet on the right side of the unit slowly to avoid spillage.
 - Water inlet on left side can also be used to connect water tap for automatic water supply.



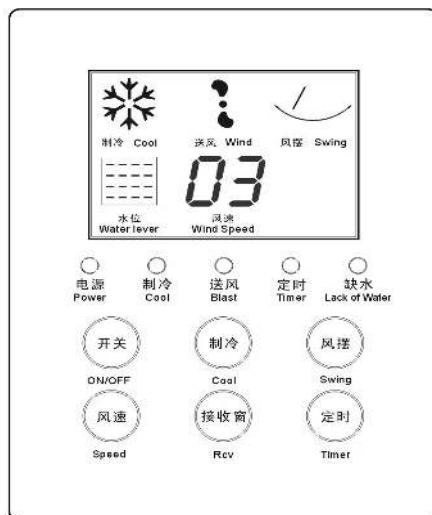
WARNING

1. If the supply cord is damaged, it must be replaced by the manufacturer of its service agent or a similarly qualified person in order to avoid any hazard.
2. This cooler is not intended for use by persons (including) 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.
3. Children should be supervised to ensure that they do not play with the appliance.

KT-1E—CONTROL PANEL AND REMOTE CONTROLLER

MCAC-KT-1EC-----CONTROL PANEL

CONTROL PANEL



MCAC-KT-1EC-----REMOTE CONTROLLER

REMOTE CONTROLLER



KT-1E----MAINTENANCE

NOTE:

To ensure the cooler deliver fresh and clean air, regularly change the water when dirty, clean the filter and the cooling pad.

- 1) Remove the filter net by unscrewing the screws, then press the lock, clean the pad. Never use pressurized water, as it may cause damage to the pad.
- 2) Clean the pad from the inner-side to out-side of pad (inner side is towards motor). Never use any liquid detergent.
- 3) Unscrew the drainage lid to let dirty water flow out, then clean the water tank thoroughly with soft cloth. Wash off dirt on the water sensor, water pump and the float valve.
- 4) Use mild soap and soft clean cloth when cleaning the cooler casing. Do not use any caustic chemical detergent that may cause damage to the surface of cooler.

KT-1E– TROUBLESHOOTING

Malfunction	Reasons	Remedy / Solutions
-The indicator light doesn't on.	-No power. -Main control goes wrong. -Fuse is burnt out. -Panel goes wrong.	-Check the circuit. -Change the control board. -Change the fuse. -Change the panel.
-Out of control.	-Interfered by power. -Interfered by environment. -Panel does wrong.	-Power off. -Remove or keep away from interference. -Change the panel.
-Display is normal but without wind or the wind speed is too low.	-The fan is stuck. -Cooling pad or dust filter is blocked. -Fan is distorted. -Main control board goes wrong.	-Check the cooler fixing hoops and fan. -Clean cooling pad or dust filter. -Change fan. -Change the main control board.
-The motor is out of control.	-Main control board goes wrong. -Panel goes wrong.	-Change the main control board. -Change the panel.
-Water leak of draining valve.	-Draining valve is loose.	-Screw slightly.
-Air diffuser doesn't run.	-Synchronous motor is burnt out. -Crankshaft is broken off. -Crankshaft and swing bar fall off.	-Change synchronous motor. -Change crankshaft. -Fix crankshaft and swing bar again.
-Water drops splash out of the air diffuser.	-Water pipe falls off.	-Check water pipe.

NOTE: This trouble shooting is for reference purpose only. If any technical assistance is needed, please contact your distributor for service / repair.

**Healthy & Comfortable
Energy-saving & Environment-friendly**

- **Very reliable quality.**
- **Hugh effective cooling area.**
- **Very quiet.**
- **Speed adjustable.**
- **Automatic swing.**
- **Full function remote controller.**
- **Bigger water tank.**
- **No need for compressed air.**
- **No installation, no duct work design.**
- **Easy to use, easy to clean.**
- **Maintenance friendly.**
- **Anti-bacterial device.**