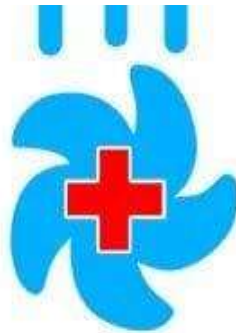
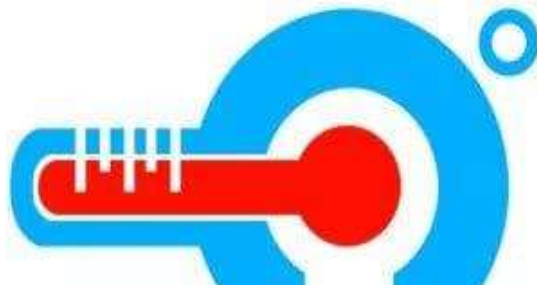


EVAPORATIVE AIR COOLER CM-8000E



www.climateplus.ae

EVAPORATIVE AIR COOLER CM-8000E

KT-1E-3N-INTRODUCTION

Thank you for purchasing our product. We trust it will give you a long and trouble free service. The cooler is a high-tech product, showing simplicity and outstanding reliability, due to its European design origin.

Its working principle is that water surrounding heat and causes the temperature to cool down. When water is continuously distributed onto the cooling pad surface, the air being drawn through the pad causes the water evaporate, making the air cool and fresh.

The circulating water moves down to reservoir, where it is again pumped up through the cooling pads. If the hose option is being used (supplied as standard), a float valve keeps the reservoir full continuously. If filled manually, the big 60 Litre capacity reservoir ensures hours of interrupted operation. There is a digital level indicator to quickly check the amount of water remaining.

KT-1E-3N-APPLICATIONS

This cooler is currently being used in many different industries and applications in many countries.

Company offices, shops, hospitals, schools, workshops, workers, dormitories, outdoor teahouse/coffee bars, restaurants, recreation facilities.

Manufacturing:

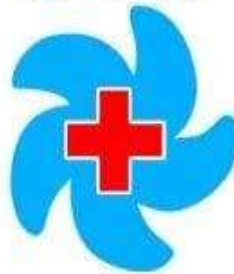
Textile, machinery, ceramic, refined chemical industries, metallurgy, hardware and leather industries.

Industrial Processing:

Electronics, clothes & shoe making, plastics, food industries, packaging.

Others:

Indoor sports courts, bakeries, playground, laundries, kitchens, vegetable markets, gymnasiums, underground parking lots, greenhouses, chicken and pig farms, gardens the list goes on.



EVAPORATIVE AIR COOLER CM-8000E

KT-1E-3N-TECHNICAL SPECIFICATION

| | |
|--------------------------|----------------|
| PARAMETER / MODEL | KT-1E-3N |
| Max Airflow | 8000C M3/H |
| Power supply / Frequency | 220-240V/50HZ |
| Power Consumption | 310W |
| Fan Style | Axial |
| Water Consumption | 4-6L/H |
| Water Capacity | 60L |
| Dimension (L*W*H) | 890x490x1400mm |
| Weight | 32kg |
| Effective Cooling Area | 30-55m2 |

KT-1E-3N-TECHNICAL FEATURE

Preface

Thank you for your trust and support to choose our evaporative air cooler.

You are buying air cooler may look inconsistent with the appearance in the note said, but does not affect your operation and use.

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Attentions

Please read the operation manual carefully and thoroughly before you run this unit.

When air cooler is working, pay attention do not allow welding or other ignition sources near it.

Power outlet must have ground wire is not less than 1.5mm in order to ensure effective grounding of air cooler.

Supply voltage deviation should ensure the rated voltage $\pm 10\%$, voltage is too low or too high for long-term could easily lead to damage of air cooler.

Cooling principle

Exhaust air by fan from the unit, then it will be negative pressure inside unit ; at the meanwhile ,water is sent to water distributor by pump and sprinkle the surface of wet curtain evenly ,and the water will flow directly into the side of air inlet of wet curtain which is designed with special angle; when the hot air passes the surface of wet curtain with water it, will lose considerable heat and let it cool, also the air is filtered; finally, the air become cool, comfort and fresh, the remained water will flow to drainage pan and wait for water cycle.

Workplace used: (used for)

Staff accommodation and home to be cool place

Production jobs in factories to be cool place to work

Open-type shops, supermarkets, restaurants and other commercial establishments.

The placed with installed heating equipment and the need to cool down.

BBQ, party and other entertainment places.

Outdoors need to be cooler

Display onboard

● Control panel

1. Buttons for control panel

1) (on/off) key

Connected to power, press this key.

Air cooler is in low-speed. Press this key during it works, the air cooler will be turned off (all parts will be turned off)

2) Cool key

Press cool key, enter cooling state, (turn on the pump)

Press cool key during cooling, turn off the cooling function (turn off pump)

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3) Fan speed key)

Press fan speed key when it works, to choose fan speed, low-medium-high 1-2-3-1

4) Swing key

Press this key you can turn on/off the swing direction.

5) Anion key

Press this key, start the function for anion

6) Timer key

Press this key, activate timer function



2. Remote controller

- 1) **On/off:** the cooler will stand by turn off
- 2) **Cool:** turn on or turn off cool
- 3) **Airflow-:** fans speed-anion-speed again
- 4) **Airflow+:** fan speed from low-medium-high 1-2-3-1
- 5) **Swing:** turn on or turn off the swing
- 6) **Timer:** active the timer function



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Installation operation

Make sure the power cord before use is connected to the power supply to meet requirements

1) On/off

in the standby mode, press this key in control panel or remote controller, it works both mode speed of operation, depends on the previous state before the shutdown; after the initial power, the default speed is 2, and cooling mode runs, operation indicator light turned on dynamic rotation, instructions of the current fan speed instruction stall, from right to left followed by 1, 2, 3 file. Press this key when it works, it will turn off, only the temperature value is displayed after shutdown.

2) cool

This key can control the cooling mode on and off, when it when it works, the cool light and icon shine; when it off, "ventilation" light shines,

3) speed

Press the fan speed key, by switching the order 1-2-3-1, or press the speed-, speed+ on the remote controller to switch the fan speed is switched; fan speed direction shows the current fan speed.

4) Swing

Press "swing key" on the control pane or remote controller to control this function when it turns on, the swing indicator light, when it turns off, the swing light goes out.

5) anion

Press the key when machine work to turn the device which can produce anion on or off, or press the speed-key on the remote controller to turn on/off, when it works, the anion light shines.

6) timer

It is used to delay timer after N hours to automatically power or shutdown, time in hours, units of measurement, since the setting take effect when the start time, arrival time Set on or off automatically set the timer standby mode will perform regular boot; set the timer in the running time off will do during the regular set, temperature digital display indicating the time zone value, after the commencement of recovery time display shows temperature-press "timer" light flashes, timer value will cycling increase, if you continue to press the timer key timer value will cycling increase rapidly the maximum timer is 24 hours, after 24hours of arrival to return 00 value transferred to the time required, it works automatic after 5s, time after entry into force, timer light continues to shine. The ways to cancel timer:

a set the timer to be 00

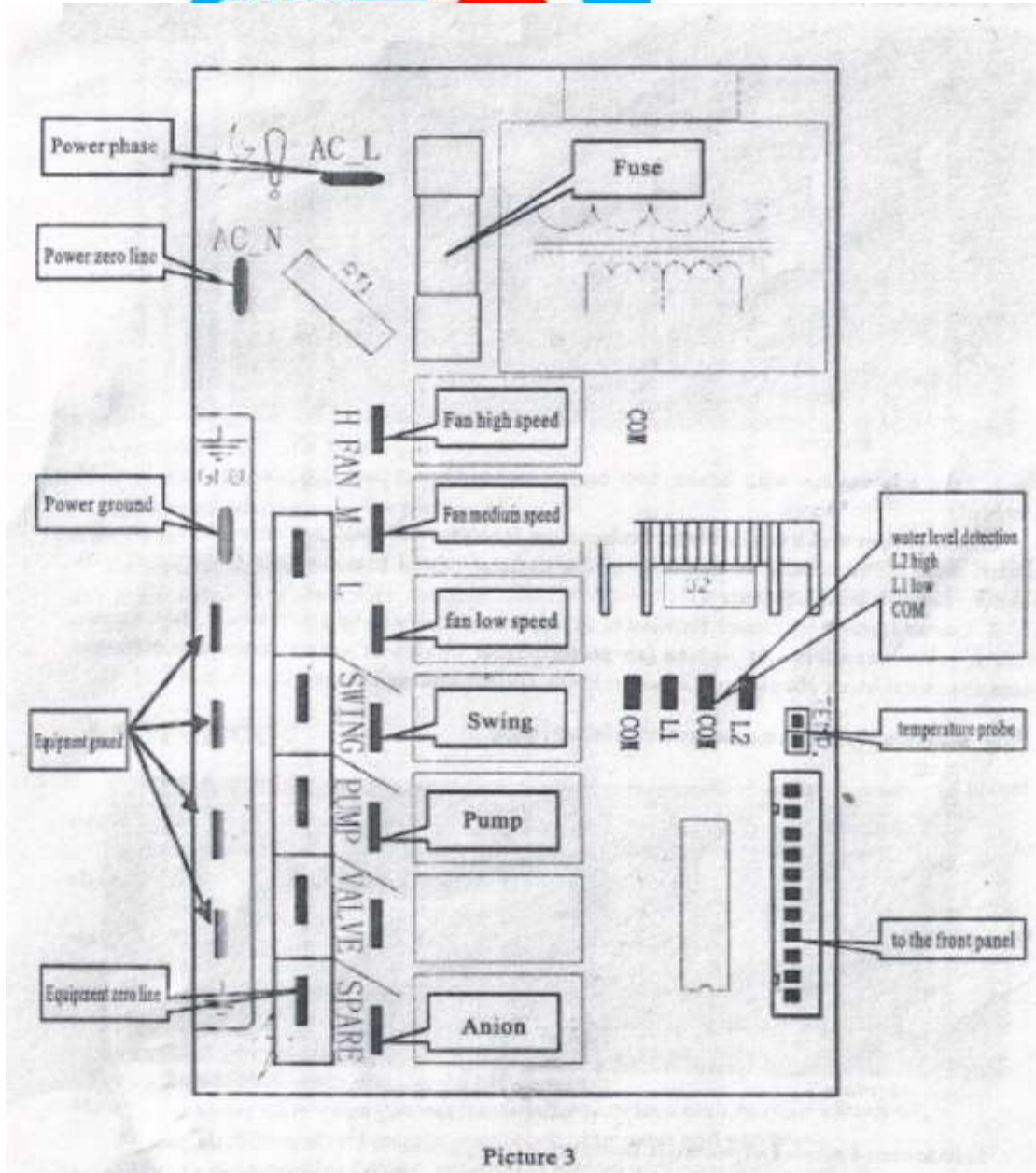
b press on/off key when the timer light flashes

c press ON/OFF key for 2 times (re-switching it) when the timer light shines.

Notice: Press cool, speed swing anion key is invalid during off state.

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Wiring Diagram



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Installation of casters and caster frame diagram



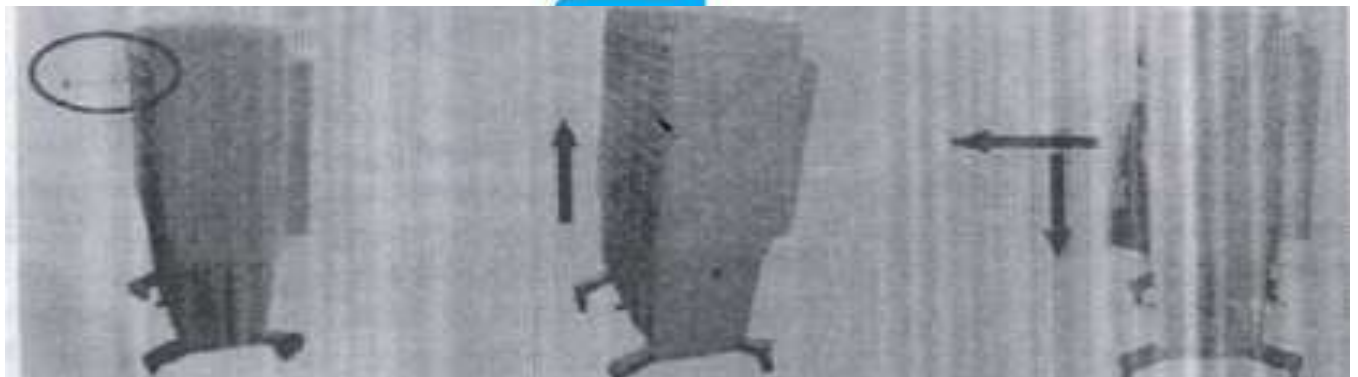
Picture 4



Picture 5

Picture 6

1. take two caster with brake, two caster without brake and two pieces of tank base (as picture 4)
2. two casters brake and without brake screw into the M10 hole pattern of tank base, the caster with break should be installed on the outlet side and to make sure casters and tank base contacted close (as picture 5).
3. Caster frame with caster fixation to the button of the tank by cross screw, and then screws with a cross screw drive to tighten (as picture 6) the circles of caster frame are different sizes, the installation should pay attention to the corresponding holes on the chassis.
4. **Disassembly diagramed for posterior lateral plate**



Picture7

Picture 8

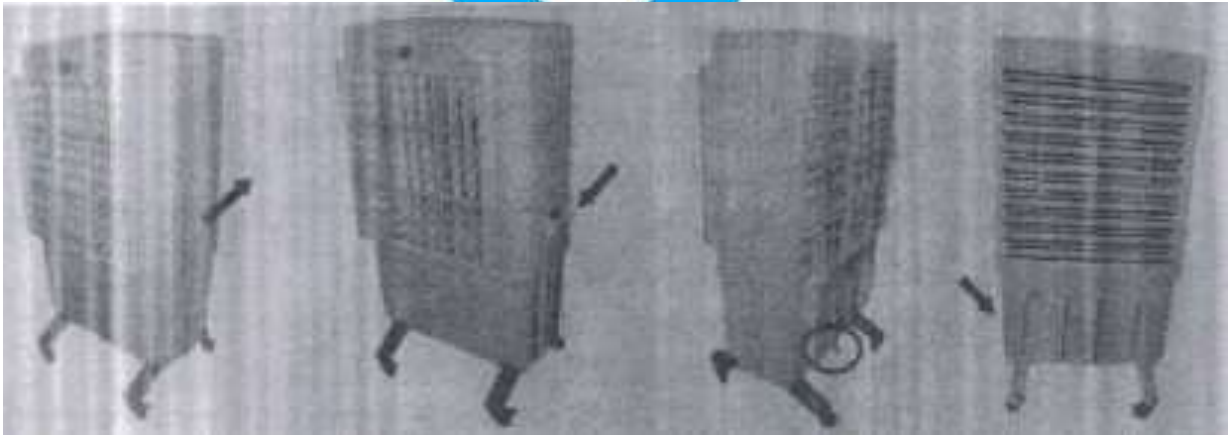
Picture

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To loosen 4 screws of posterior lateral plate (as picture 7)

1. Remove the two dust networks, then raise up posterior lateral plate with hands (as picture 8)
2. Put up the posterior lateral plate after pulling it out, finally, it is removed (as picture 9)
3. Follow these steps to reverse the procedure for installation.

Water in / out diagramed



Picture 10

Picture 11

Picture 12

Picture 13

Water in

1. Pull the water inlet (as picture 10)
2. Inward water (as picture 11)
3. Water in/out diagramed (as picture 13)

Water out

Counterclockwise rotation of the valve cover by hand and get it out, after all the water out, the drain value in a clockwise rotation into the drain valve scat, until the close date. (as picture 12).

Warning

- 1) Air cooler should be used environment of adequate ventilation, be avoided in a closed environment, so as to achieve better cooling effect.
- 2) The brake of caster brake should be used when the air cooler is running, to prevent it to slide.
- 3) The pump automatically shut down when the air-cooler runs dry, you should supply water in time, before adding water to stop air cooler running, and turn off the power, and water should not exceed the maximum water level.

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- 4) The posterior lateral plate is forbade to open when it run, to keep safety.
- 5) Air outlet prohibits any object stretching when air cooler is running
- 6) Turn off power when it rains or thunder in the open air
- 7) Routine maintenance must be cut off the power
- 8) Drain water daily when you use it every day and clean tank , to ensure fresh air
- 9) Clean air filter and wet curtain regular by tap water and soft brush.
- 10) When the air cooler failure, do not attempt to deal with not professionals.
- 11) When you stop using air cooler empty the water tank to ensure health and prevent winter freezing

Technical parameter

| | |
|-----------------------------------|---------------------|
| Specification Model | CAC-8000B |
| Blast volume(m ³ /n) | 6000 |
| Blast pressure (pa) | 60 |
| Input power(kW) | 0.15 |
| Voltage/frequency(v/HZ) | 220-240V 50/60HZ |
| Working current (A) | 1.25 |
| Fan style | Axial flow |
| Noise | ≤68 |
| Outline dimension (mm) | 770x565x1320 |
| Size for net curtain (mm) | 675x645x100 |
| Air outlet size (mm) | 540x540 |
| Water consumption volume (L/H) | 4-6 |

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| | |
|-----------------------------------|-------|
| Water storage volume (L) | 90 |
| Applicable area (m ²) | 30-50 |
| Net Weight | 30 |
| Working weight (KG) | ≤100 |

Troubleshooting

| Malfunction | Cause | Remedy |
|-----------------|--------------------------|------------------------------------|
| It doesn't work | Power off | Check the supply |
| | Fuse break | Change fuse |
| | Pcb failure | Change pcb |
| No air flow | Keys for on/off | Change panel |
| | Motor trouble | Change motor |
| | Pcb failure | Change pcb |
| No cooling | Water is not enough | Add water |
| | The cool key is broken | Change panel |
| | Bad pump or pcb | Change pump or pcb |
| Bad smell | Bad water or wet curtain | Change water and clean wet curtain |