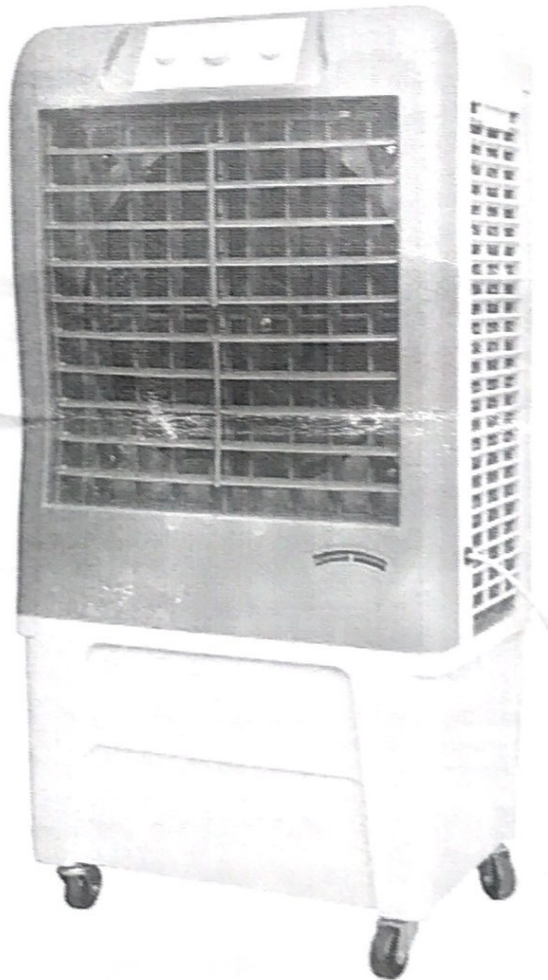


EVAPORATIVE AIR COOLER KT-14

User Manual



KT-14- INTRODUCTION

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.

Ensure that the fan is switched off from the supply mains before removing the guard.

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.

Unplug the appliance during filling and cleaning.

KT-14-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.

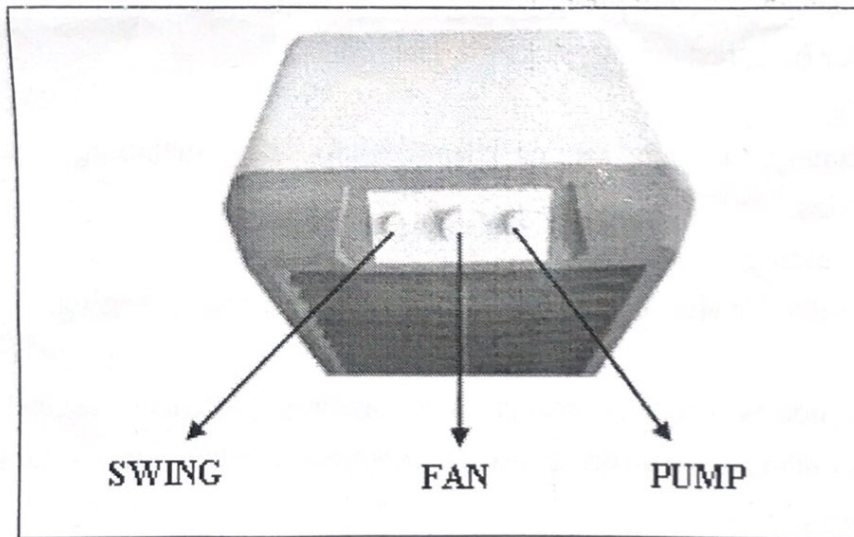
Others:

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

KT-14 --- TECHNICAL SPECIFICATION

MODEL	KT-14
Max Airflow (M ³ /H)	4000
Rated voltage/frequency (V/Hz)	220-240/50
Rated power (W)	110
Fan Style	Axial
Water Consumption (L/H)	2-3
Water Capacity (L)	33
Dimension (MM)	500×365×975
Neigh Weight (KG)	12
Effective (M ²)	20-25

KT-14 --- TECHNICAL FEATURE



KT-14—IMPORTANT REMINDERS

Please read the manual carefully before operating the cooler.

A) Operating conditions:

- 1- Temperature: 18°C to 45°C; Water Temperature: < 45°C.
- 2- Power supply must not exceed the required voltage (+/-) 5%.
- 3- Air supply must be largely free of dust or extra cleaning is required.

B) Protect the power cable from vehicle or foot traffic. Connection to incorrect electric voltage, or faulty installation, will cause danger of electric shock.

C) If the product malfunctions at startup, please disconnect from electric power immediately and refer to dealer for service.

D) Necessary caution measure including grounding

- 1- Keep doors and windows open to allow fresh air to enter, and treated air to exit, when cooler is operating.
- 2- Flashing red light on the control panel means water level in reservoir is low.
- 3- Rinse the reservoir with fresh water and clean prior to use after a period where the cooler has not been in operation.
- 4- Take care when moving the cooler, especially when it is full of water. Pushing too hard will cause the cooler to overbalance and tip over, which may cause injury and will damage the cooler.
- 5- Simplified description of the cooler installation process and the connection modes to supply main of water and electricity

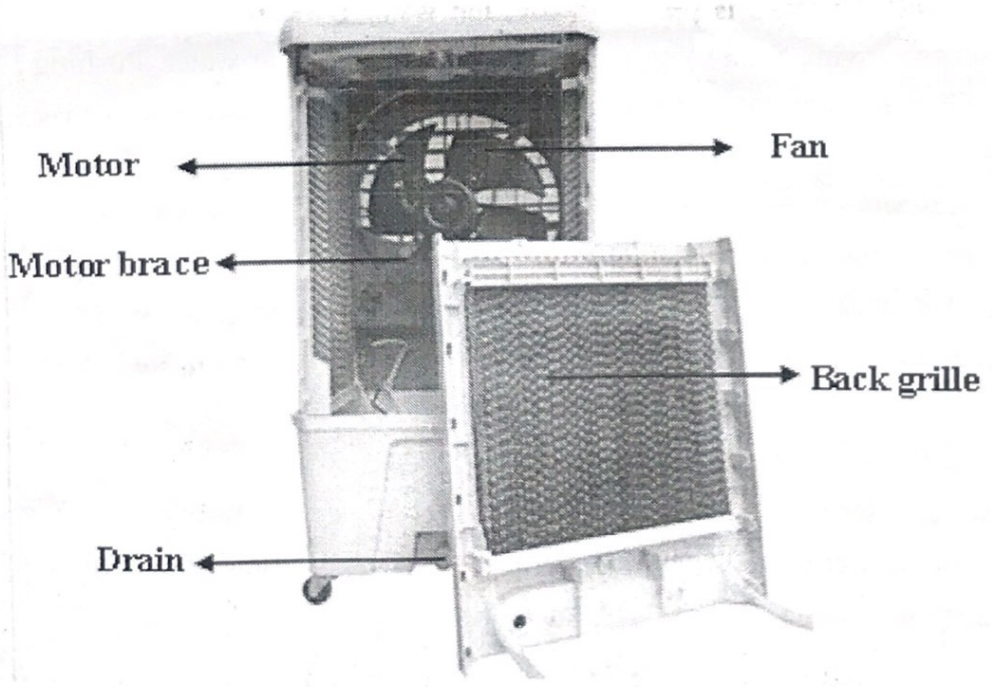
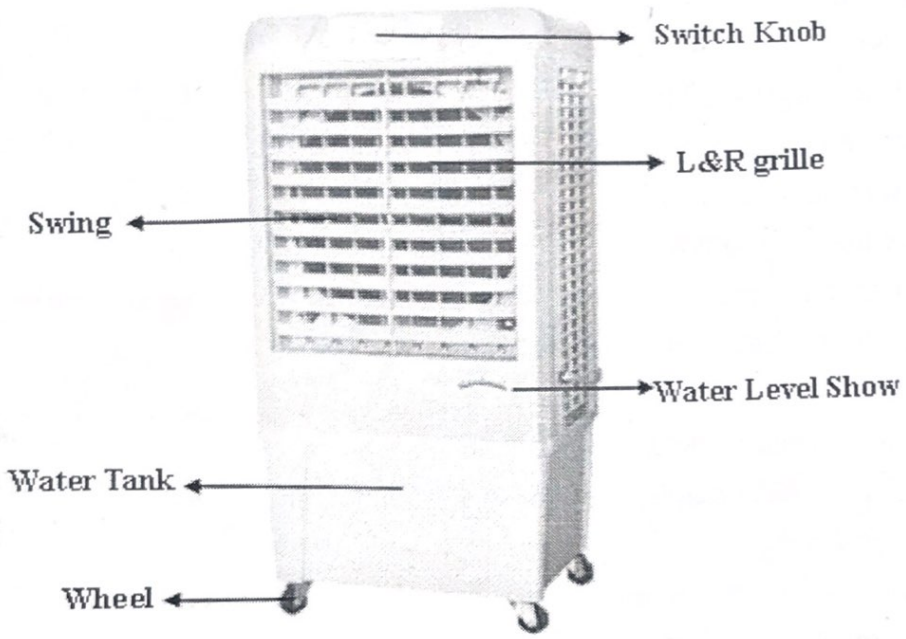
A- Open the carton, make sure the cooling machine is in good looking, put water in the water tank, put plug on, power supply is 220-240V/50Hz including grounding

- No lubricating process for there is no belt

B -Clean the water reservoir and change water in the reservoir each month

- Make sure the power is off, open the cooling pad, wash pad and water tank in clean water each month

KT-14—An explanatory schema of the cooler



KT-14

OPERATION INSTRUCTION

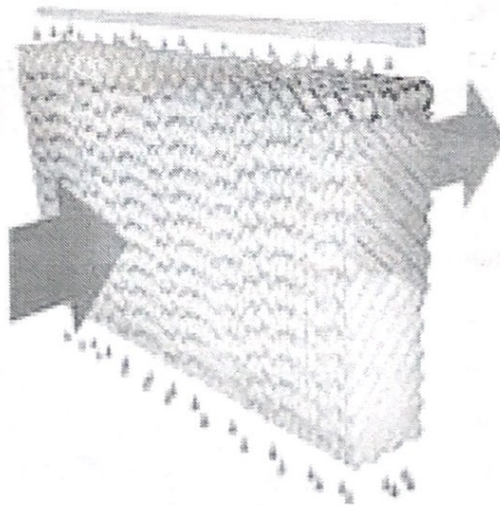
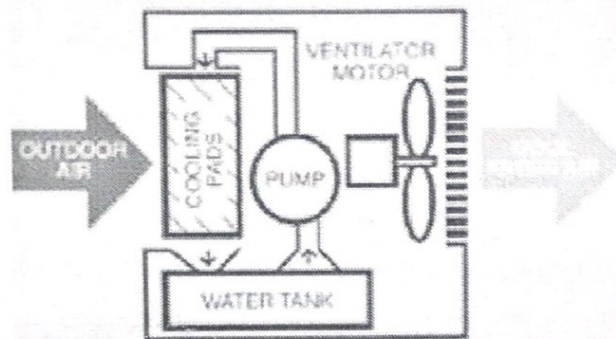
WARNING



1. Warning on the fact that the power supply cord with 3 wires (live, neutral and ground) and the switch must be near the electric cooler
2. Warning: The electric supply shall be disconnected when inspection or maintenance of the cooler.
3. Children should be supervised to ensure that they do not play with the appliance.
- 4: Ground connection and electrical supply shall be disconnected before opening the window

Keypad Instruction	Operation method
POWER	Put the plug on
COOL/FAN	This activates the cooling function. Note that there is a delay of one minute before the fan starts while the cooling pads wet up.
Pump	When COOL is pressed again, the water evaporation feature is turned off, with only the fan operating.
SPEED/	Pressing SPEED will select low, medium or high fan speed.
SWING	This activates/deactivates swing function.
WATER SUPPLY	Use only clean, fresh water. Pour water into the water inlet on the right hand side of the unit (max 60L). Alternatively, attach a hose to the water inlet on the left side for automatic filling. Note a pressure reducing valve is recommended for high pressure water supplies.

KT-14 BASIC PRINCIPLE



For best results and long term operation, regular maintenance is essential.

To ensure the cooler delivers fresh and clean air, regularly change evaporation joint clean the water reservoir, knowing that it is vital to change the water in the reservoir each month

- 1) Remove the filter pad by unscrewing the 4 screws on the rear of the cooler, then lift the pad and pull out at the bottom to release. To replace the pad, slide up into the slot under the top of the cooler, push in at the bottom and allow dropping into the lower slot.
- 2) Clean the pad from the inner-side to out-side of pad (inner side is towards motor). Never use any liquid detergent. Never use pressurized water, as it may cause damage to the pad.
- 3) Unscrew the drainage lid to let dirty water flow out, then clean the water tank thoroughly with a soft cloth. Wash off dirt on the water sensor, water pump and the float valve. Rinse thoroughly.
- 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 the cooler.
- 5) To prevent buildup of algae and biological organisms in the reservoir, regularly add chlorine/bromine tablets as per tablet manufacturer recommendation for evaporative cooler reservoirs.

KT-14- TROUBLESHOOTING

Problem	Possible reason	Solution
Unable to start the fan	Power failure	Check power supply
	Loose PCB connection	Check PCB connection
	Fuse burned out	Replace fuse
Lower or no airflow	Fan damaged	Replace fan
	Cooling pad jammed	Clean cooling pad
	Filter jammed	Clean filter
	Starting capacitor damaged	Replace capacitor
No cooling airflow	Fan stuck	Check fan and its housing
	Water lack	Fill water into tank
	Cooling pad jammed	Clean cooling pad
	Water pump damaged	Replace water pump
	Water sensor damaged	Replace water sensor
Grill does not swing	Water pipe drops off	Tighten water pipe
	Water distributor jammed	Check water distributor
	Swing motor damaged	Replace swing motor
	Swing motor crankshaft drops off	Check swing motor crankshaft
	Leak from drainage outlet	Tighten the cap
	Rubber O-ring damaged	Replace O-ring
Water splashes out of grill	Water pipe drops off	Tighten water pipe

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