(CM-30000AP) Manual

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(CM-30000AP) Manual

INSTRUCTION

Thank you for purchasing our product. We trust it will give you comfort and convenience.

The cooler is a high-tech product, showing simplicity and outstanding reliability, due its European design origin.

Its working principle is that water evaporation uses up the 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 the water to evaporate makes the air cooler and fresher. The circulating water moves down to the reservoir, where it's again pumped up by the water pump. If the hose option is being used (supplied as standard), a float valve keeps the reservoir full continuously. If filled manually, the big 100 Liter capacity reservoir ensures hours of interrupted operation. There is a digital level indicator to quickly check the amount of water remaining.

APPLICATIONS

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

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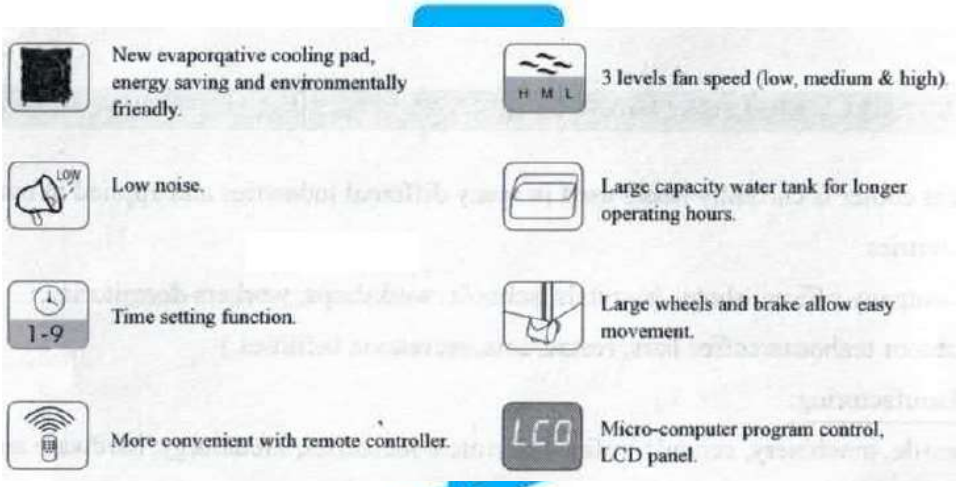
SPECIFICATIONS

MODEL	**cm-30000ap**
Max Airflow (m3/h)	**23,000**
Power Supply/ Frequency	**220V/50Hz**
Power Consumption (W)	**1100**
Rate	**Three speed**
Water Capacity (L)	**200**
Dimension (L*W*H) (mm)	**1600*780*1800**
Weight (kg)	**105**
Effective Cooling Area(m2)	**260**

TECHNICAL FEATURE



IMPORTANT REMINDERS

Please read the manual carefully before operating the cooler.

A). Operating conditions:

1- Temperature: 18°C to 45°C; Water temperature: <45C.
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). other tips for cooler use:

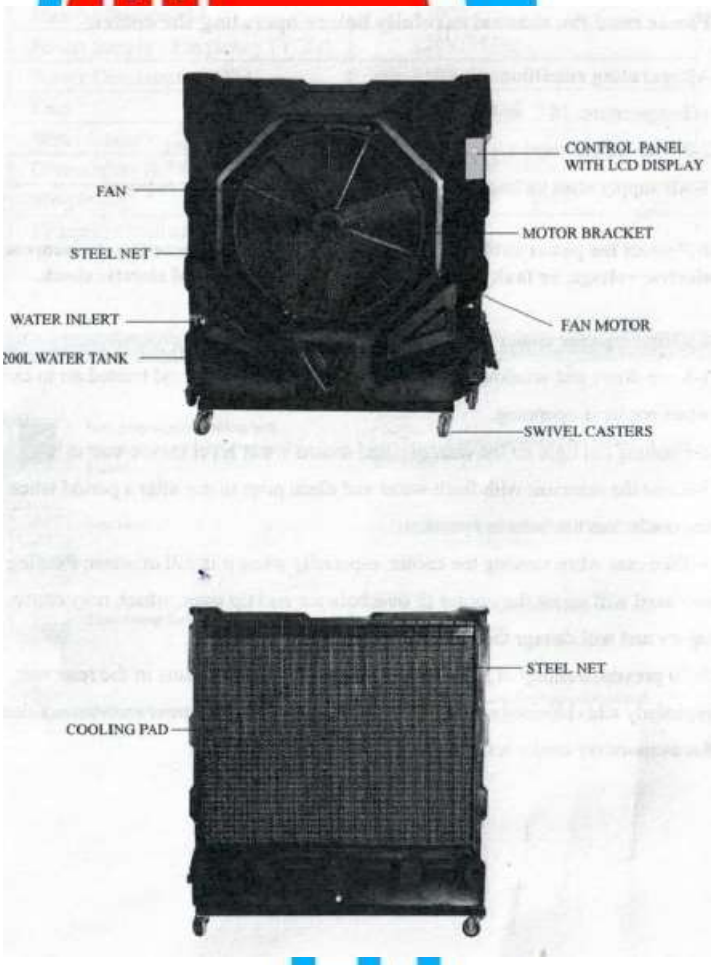
1-Keep doors and windows open to allow fresh air to enter, and treated air to exit, when cooler is operating.

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 when 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-To prevent buildup of algae and other biological organisms in the reservoir, regularly add chlorine/bromine tablets as per tablet manufacturer recommendation for evaporative cooler reservoirs.

KEYCOMPONENTS

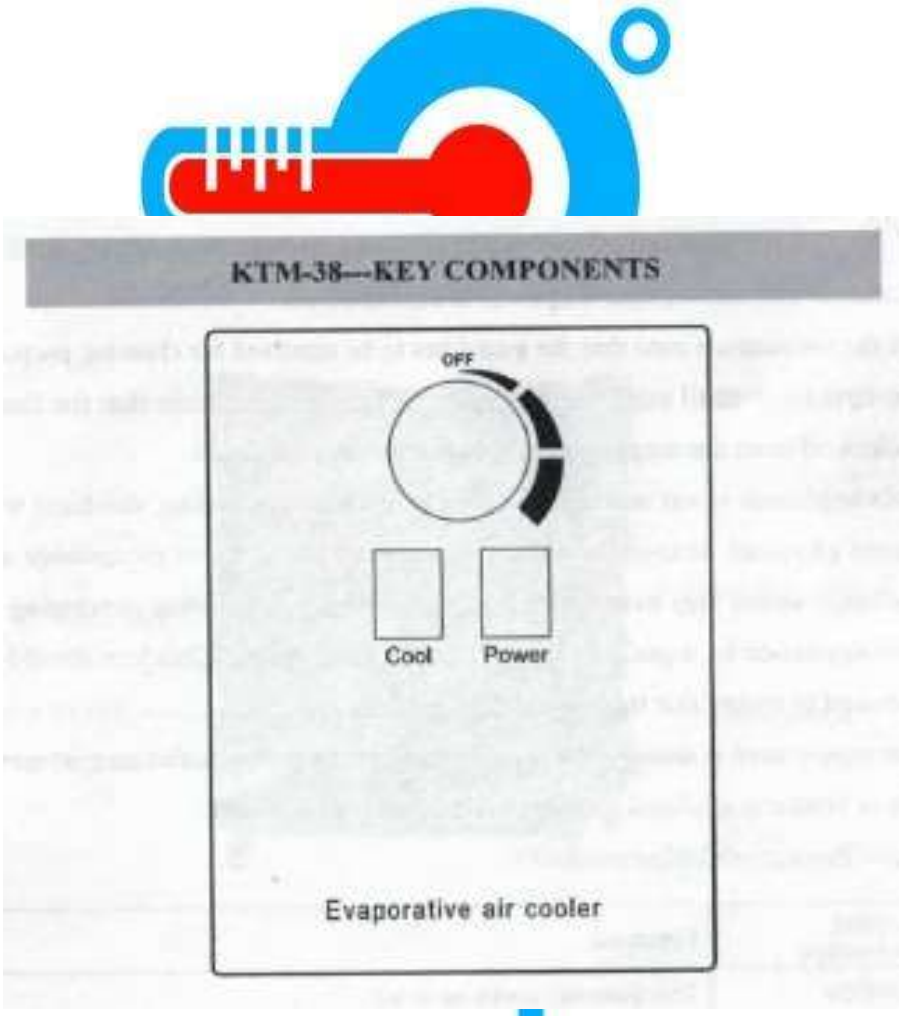


OPERATION INSTRUCTION

WARNING

1. All electrical repairs must only be carried out by a suitability qualifies electrician, after all power is disconnected.
2. All the instructions state that the guard has to be removed for cleaning purpose, the instructions shall state the substance of following: ensure that the fan is switched off from the supply mains before removing the guard.
3. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lock 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 the appliance.
4. 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.
5. Water Pressure: 0.1 Mpa (+/-) 10%.

Keypad Instruction	Comment
ON/OFF	This turs the cooler on or off.
COOL	This activates the cooling function. Note that there is a delay of one minute before the fan starts while the cooling pads wet up
SPEED	Pressing SPEED will select low, medium or high fan speed
SWING	This activates/deactivates swing function.
TIMER Delayed Start	This timer setting can be used to start the cooler after a certain number of hour's delays. When only the green POWER light is on, press TIMER until the number of hours delay (1-24) is shown.
TIMER Automatic Stop	When the cooler is already going, press timer to set the number of hours (1-24) until the machine will automatically switch off.
WATER Supply	Use only clean, fresh water. Pour water into the water inlet on the right hand side of the unit (max 100L). Alternatively, attach a hose to the water inlet on the left side for automatic filling. Note as pressure reducing valve is recommended for a high pressure water supplies.



MAINTENANCE

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

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

1) Remove the filter pad by unscrewing the 4 screws on the rear of the cooler. Then lift the pad and pull out the bottom to release. To replace the pad, slide up into the slot under the top of the cooler, push in at 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 damage to the pad.

3)Unscrew the drainage lid to let dirty water flow out, the clean the water tank thoroughly with a soft cloth. Wash off dirt on the 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 other biological organisms in the reservoir, regularly add chlorine/bromine tablet manufacturer recommendation for evaporative cooler reservoirs.

MAINTENANCE

Malfunction	Reason	Remedy/Solution
- Operating screen Stays dark	- No power - Main control board failure - Fuse is blown - panel failure	- Check unit is plugged in - Change control board - Change fuse - Change panel
- Display is normal but without air flow or the air speed is too low	- The fan is jammed - Cooling pad or dust filter is blocked - Main control board failure	- Check to ensure there is nothing preventing free rotation of the fan - Clean the cooling pad and dust filter - Change the main control board
- Motor does not Respond to control Panel	- Main control board Failure - Panel failure	- Change the main control board - Change panel
- Water leaking From drain valve	- Drain valve is loose - Dirt in valve	- Change the main control board - Change panel
- Air diffuser/swing - Function not working	- Synchronous motor is burnt out - Crankshaft is broken	- Change synchronous motor - Change crankshaft
- Water drops splash Out of the air diffuser	- Water pipe has come loose	- Check water pipe to top of filter pad and reattach or tighten as necessary

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