

EVAPORATIVE CM-6000A



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EVAPORATIVE CM-6000A

Evaporative Air Cooler

Foreword

Thank you for your trust and support for choosing our Evaporative Air Cooler!
Please read this manual carefully before using it.
The evaporative Air cooler comes with the Most Advanced evaporative cooling technology and the Modern management. It will make your life easier and more comfortable.

Principle

When the wind blows on your sweaty body, you will feel cool. Its principle is similar with that circulating pump continuously suck water from the sump and distribute water equably to the CELDEK cooling pads by the water equably to the CELDEK cooling pads effects with the outside hot dry air and evaporate to drop the temperature by 5—12 degree. Thus you have the fresh, cooler, clean air.

Attention

- 1) Must be installed in well-ventilated and dry place to ensure fresh air can be bringing in.
- 2) Mechanical may be combined with natural exhaust.
- 3) Ensure the supply voltage is within the rate $\pm 10V$ range, otherwise it will break the cooler such as cannot start the cooler or start and stop frequently.
- 4) Do not add full of water to prevent spillover.

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Inspection and preparation before assembling

- 1) Please open the side panel to check the parts and the technical parameters (the manual), if the parts are incomplete or breakage, Leave it as it is and inform us or the distributor.
- 2) Check if the supply voltage is same as the rated one. Make the phase voltage is 2020+/- 10V
- 3) Make sure the water is clean.

Guide for installation and uninstal of truckles and horse



- 1) Take two sets of assembled frame as Pic1
- 2) Use ST5x25 bolts to stable the assembled frame to the bottom of the water tank. And lock the bolt closely with Philipp's screwdriver. Please pay attention to the hole at the tank while installing as Pic 2.

Guide for installation and uninstal of side panel



- 1) Lose 8 bolts with screwdriver as pic. 3
- 2) Pull up 2 pieces of dust screens and the side panel, then pull out the side panel and take t out, as Pic 4.
- 3) Please install as the contrary step as above.

EVAPORATIVE CM-6000A

Guide for water and drain



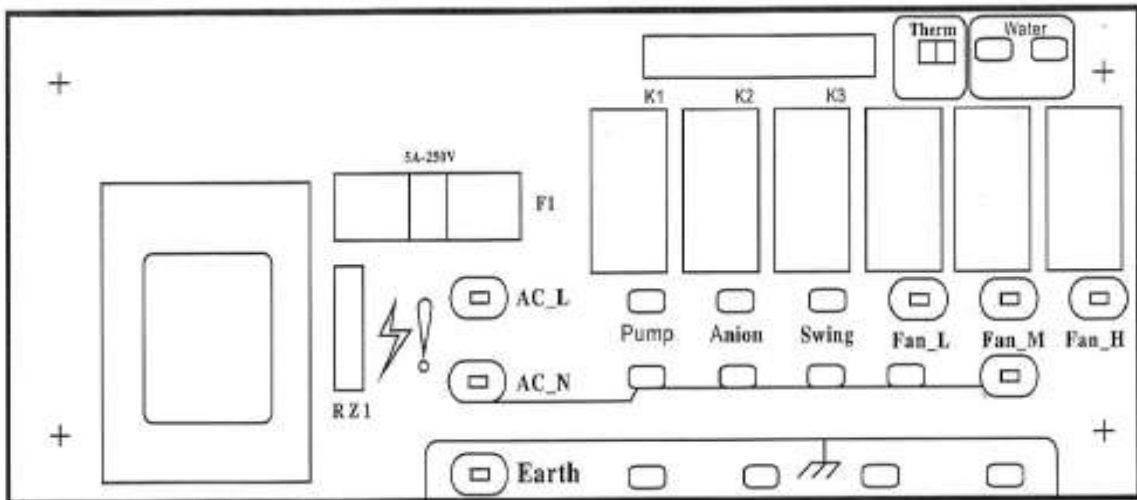
Add water

1. Pull out the affusion hole, as pic 5;
2. Add water from this hole, as pic 6.

Drain

Open the valve cover weather shins, also close it clockwise after drain, as pic 7

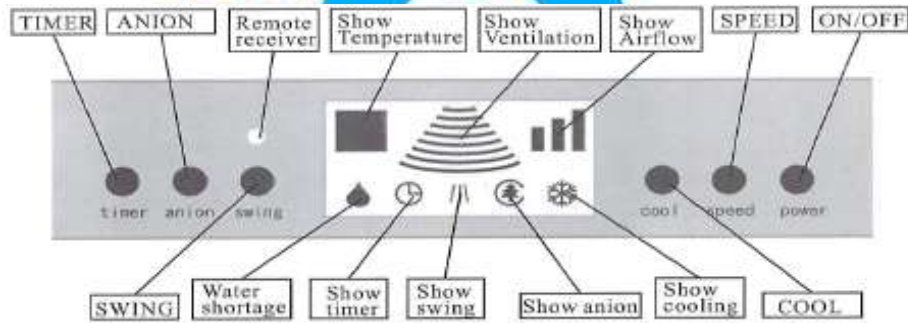
Circuit diagram



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Guide for Operation

- **Introduction of the function of the button on the remote controller:**



- **Introduction of the function of the button on the remote controller**

- 1) ON/OFF: Start the cooler in stand-by state or stop
- 2) COOL: Switch to cool mode or ventilation mode
- 3) DRAIN: Start or stop draining water
- 4) Airflow+: Add the airflow for the conversion from low speed, mid Speed and high speed, the rank is 1-2-3-1
- 5) Airflow-: Decrease the airflow for the conversion 1 speed-anion-1 speed
- 6) SWING: start or stop swing
- 7) TIMER: Start timing function
- 8) ANION: Switch on/off the function of anion or ozone(due to the matched system)
- 9) Show: Show control board light picture or not.



- **Operating introduction**

Please ensure the power lines are connected correctly before using!

1)ON/OFF:

Press this button under the state of stand-by, then it will start running. The mode and the airflow will be the same as the last state when you power off it. The speed is at 2 speeds and the cool function is ON when you power it at first time. The airflow will be showed at the range of L,M,H from the left to right dynamically.

Press this button while the cooler is operation, it will stop and only the temperature will be showed on it.

EVAPORATIVE CM-6000A

2) Airflow adjustable:

Press “airflow” button on the LCD controller or “airflow” and “airflow” on the remote controller to increase or decrease it. It can be changed from L-M-H-L-M-H... and that will be showed on the “airflow indicator”.

3) Mode

Press “COOL” button on the LCD controller, the mode will be changed by COOL VENTILATION COOL. When the cooler is operating, switch to COOLmode, it will be forced to run for 30s in lowest speed and then comeback to speed last, it will not affect the speed displays on the remote LED screen.

4)SWING

The “show swing” button will be lighted on when pressing the “swing” button on the LCD controller or remote controller during operation; it controls the switch of swing function.

5)ANION

The “Show anion” button will be lighted on when pressing “anion” button on the LCD controller or remote controller during operation, it controls the start and stop function of the anion.

6)TIMER

“Timer” set to start or stop the air cooler automatically after N hours later. It is set by the hour. It will start the air cooler automatically when it is running during the time is arrived.

“H x” (“x” means the time you set) will be showed on the temperature indicator during the time is setting, and the temperature will be showed again on it after the timer takes effective. The “TIMER” will be flicking when pressing the button and you can change the time by pressing the “AIRFLOW”, 9 hours is, maximum.

The timer will be working automatically after 5 seconds when you finish setting and the “TIMER” will be lasting lighted on.

How to cancel the time set

- a. Set the time 00
- b. Press the “ON/OFF” button when the “TIMER” flickering during setting
- c. Press the “ON/OFF” button after the timer fakes effective

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Clean and maintaining

Please Power OFF the cooler before cleaning.

1) Shell Cleaning: Please clean with mild cleaner and the soft cloth.

2) Wet pad cleaning: take out the pad and brush the dust on its surface with SOFT brusher.

3)Maintenance:

a. We advised to clean wet screen and wet pad once per two weeks to ensure cooling affection.

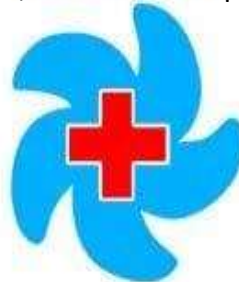
b. We advise that draining water every day and cleaning to keep fresh air.

c. If it would be a long time no using the air cooler, please off and drain out water.

Trouble Shooting

No.	Problem	Reason	Solution
1	Air coolers does not work	Power off or incorrect power connection	Power on or check and connect power correctly
		Controller breakdown	Replace it
		Fuse burnt	Replace it
2	No cooling	Electrical mainboard is broken	Replace it
		The pump is broken	Replace it
		No water or not enough water	Add it
		The cool key on the controller is broken	Replace the controller
		Electrical mainboard is broken	Replace it
3	No Airflow	The key on the controller is broken	Replace the controller
		The motor is broken	Replace it
4	Unpleasant odor	Dirty water	Change it to clean water
		Dirty cooling pad	Clean it

Note: the table is only for your reference, need more help please contact with us or the distributor.



EVAPORATIVE CM-6000A

Technical Parameters

Model	GL 06		GL 07				GL 08			
Specification										
MAX Airflow (m3/h)	6000		7000				8000			
Pressure (Pa)	100		120				140			
Power (kW)	0.15		0.2		0.15		0.2		0.15	
	0.15		220/50	240/50	100-110/60	220/60	220/50	240/50	100-110/60	220/60
Voltage/Hz (V/Hz)	220-240/50									
Net Weight (kg)	35		35				35			
Operating Weight (kg)	120		120				120			
Fan Type	Axial		Axial				Axial			
Speed type	Three speed		Three speed				Three speed			
Noise (dBA)	<62		<63				<63			
Dropper Dimension (mm)	520x520		520x520				520x520			
Pads Dimension (mm)	(685+30)x645x100		(685+30)x645x100				(685+30)x640x100(1pc) (545+30)x160x60(2pc)			
Overall Dimensions(mm)	765x570x1380		765x570x1380				765x570x1380			
Water Storage (L)	85		85				85			

EVAPORATIVE CM-6000A

Guide for installation and uninstal of side panel

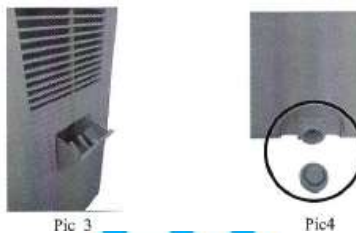
- 1) Please open the side panel to check the parts and the technical parameters, if the parts are incomplete or breakage, Leave it as it is and inform us or the distributor.
- 2) Check if the supply voltage is same as the rated one. Make the phase voltage is 220+/-V.
- 3) Make sure the water used for cooler is clean.

Guide for installation and uninstal of side panel



- 1) Pull up 2 pieces of dust screens
- 2) Lose 10 bolts with cross screwdriver, as Pic 1. Then pull out side panel and take it out, as Pic 2
- 3) Please install by contrary step as above.

Guide for add water and drain



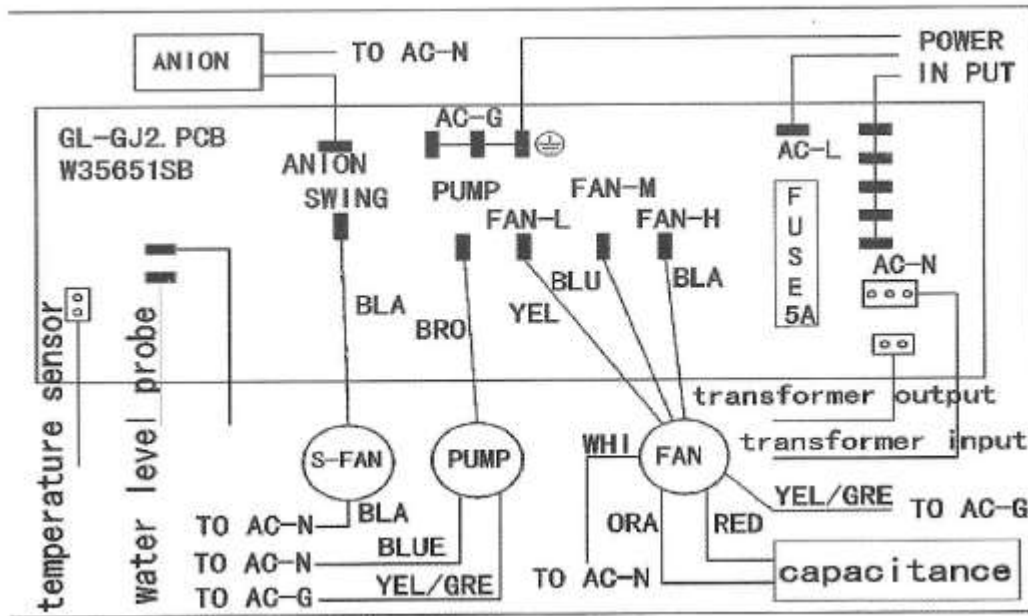
Add water: 1. Pull out the effusion hole, as pic 3;
2. Add water

Drain: Open the valve cover for draining, also close it clockwise after drain, as pic 4.

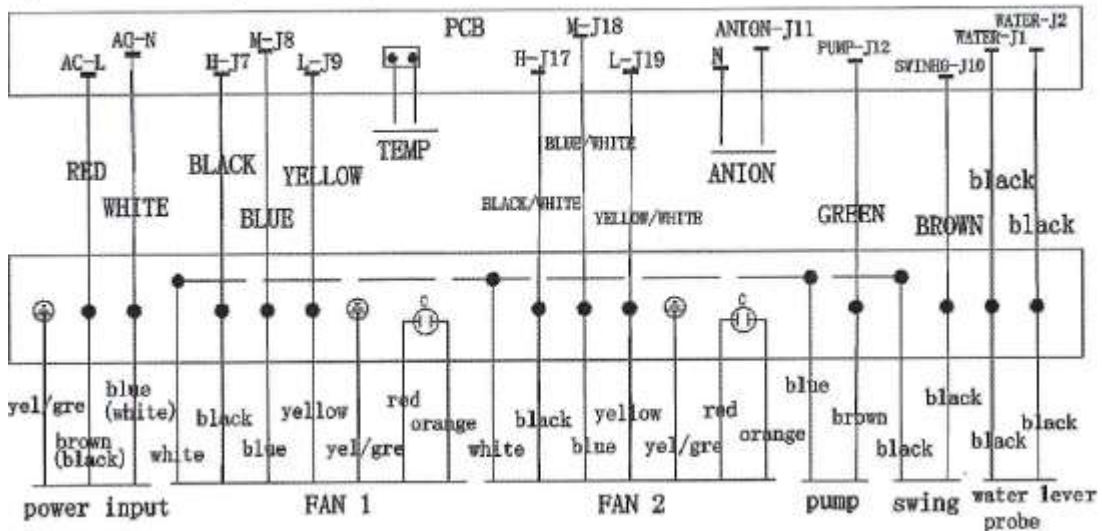
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Circuit diagram

1) GL03/GL04 circuit diagram

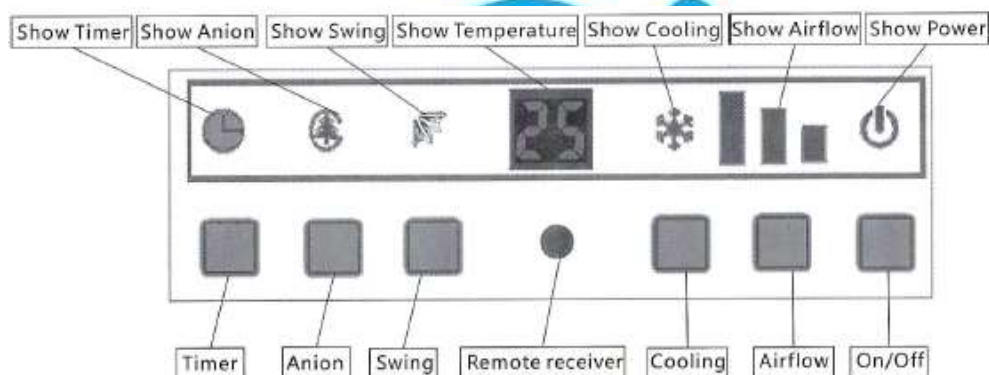


2)GL075 circuit diagram



EVAPORATIVE CM-6000A

Guide for operation



- **Introduction of the LCD controller**

1. ON/OFF: Start the cooler in stand-by state or stop
2. COOL: Switch to cool mode or ventilation mode
3. DRAIN: Start or stop draining water
4. Airflow +: Add the airflow for the conversion from low speed
5. Airflow -: Decrease the airflow for the conversion 1 speed-anion-1 speed
6. SWING: Start or stop swing
7. TIMER: Start timing function
8. ANION: Switch on? off the function of anion or ozone (due to the matched system)
9. SHOW: Show control board light picture or not

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- 1) **ON/OFF:**

Press this button under state of stand-by, then it will start running. The mode and the airflow will be the same as last state when you power off. The speed is at 2 speed and the cool function is ON when the power it at first time. The airflow will be showed at the range of L, M, H from left to right dynamically.

Press this button while the cooler is operating, it will stop and only temperature will be showed on it.

- 2) **Airflow adjustable:**

Press "airflow" button on the LCD controller or "airflow-" on the remote controller to increase or decrease it. It can be change from L-M-H-L-M-H and that will be showed on the "airflow indicator"

EVAPORATIVE CM-6000A

3) Mode

Press “COOL” button on the LCD controller, the mode will be changed by COOL-VENTILATION-COOL..

When the cooler is operating, switch to COOL mode, it will be forced to run 30s in lowest speed and then come back to speed last, it will not affect the speed displays on the remote LED screen.

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The “Show swing” button will be lighted on when pressing the : swing” button on the LCD controller or remote controller, it controls the switch of swing function

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The “show anion” button will be lighted on when pressing “anion” button on the LCD controller or remote controller during operation; it controls the start and stop function of the anion.

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“Timer” set to start or stop the air cooler automatically when it is running during the time is arrived.

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- Press the “ON/OFF” button when the “TIMER” flickering during setting
- Press the “ON/OFF” button after the timer effective.



EVAPORATIVE CM-6000A

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Please Power OFF the cooler before cleaning,

- 1) Shell Cleaning: please clean with mild cleaner and the soft cloth.
- 2) Wet pad cleaning: take out the pad and brush the dust on its surface with SOFT brusher.
- 3) Maintenance:
 - a. We advise to clean dust screen and wet pad once per two weeks to ensure cooling affection
 - b. We advise that draining wear every day and cleaning to keep fresh air.
 - c. If it would be a long no using the air cooler, please power off and drain out water.

Trouble shooting

No.	Problem	Reason	Solution
1	Air cooler does not work	Power off or incorrect power connection	Power on or check and connect power correctly
		Controller breakdown	Replace it
		Fuse Burnt	Replaced it
		Electrical mainboard is broken	Replace it
2	No cooling	The pump is broken	Replace it
		No water or not enough water	Add it
		The cool key on the controller is broken	Replaced the controller
		Electrical mainboard is broken	Replaced it
3	No airflow	The key on the controller is broken	Replace the controller
		The motor is broken	Replace it
		Dirty water	Change it to clean water
		Dirty cooling pad	Clean it

EVAPORATIVE CM-6000A

Technical Parameters

Model	GL 03	GL 04	GL 075
Specification			
MAX Airflow (m ² /h)	3000	4000	7500
Pressure (Pa)	70	80	70
Power(kW)	0.07	0.09	0.16
Voltage/Hz(V/Hz)	220-240/50-60 110-120/60	220-240/50-60 110-120/60	220-240/50-60 110-120/60
Net Weight (kg)	18	21	25
Operating Weight (kg)	48	61	55
Fan Type	Axial	Axial	Axial
Speed type	Three speed	Three speed	Three speed
Noise (dBA)	<52	<52	<52
Discharge Dimension (mm)	430x400	400x435	430x845
Pads Dimension (mm)	(525=30)x180x35(2Ps) (500+30)x360x75 (1Ps)	(630=30)x445x75(1Ps) (630+30)x225x50(2PS)	(890=30)x180x35(2PS) (870+30)x360x70(1Ps)
Overall Dimension (mm)	515x350x1170	610x415x1280	515x350x15550
Water Storage (L)	30	40	30