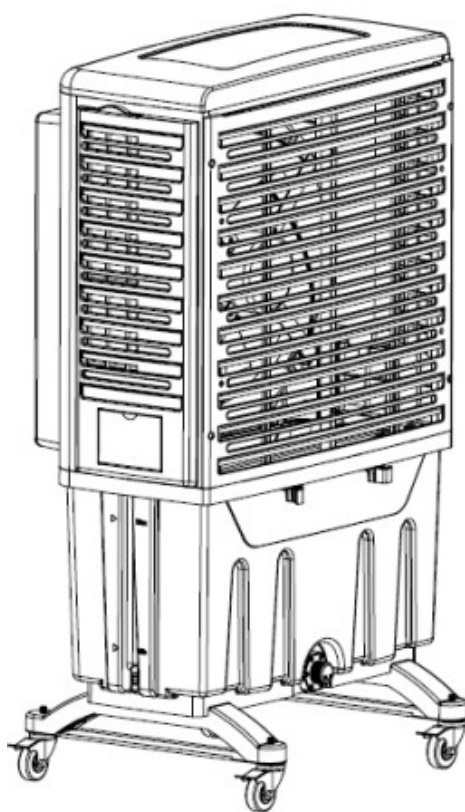# COLORATO

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INSTRUCTION MANUAL
AIR COOLER

MODEL: CLAC-600N

Read carefully these instructions
before using the appliance

Thank you for your trust and support for choosing our Evaporative Air Cooler which will bring you comfort and health.

The appearance of the air cooler you are using may not the same as the one in this manual. But it does not influence your operation and use. For you can use this air cooler more efficient, please read this manual carefully before using it.

❋ Precautions

Read the below carefully before operation.

- Make sure that the appliance is prevented from any source of fire.

- Notice that earth line's section is at least 1.5mm^2 and make sure that there is available grounding.

- Try to make voltage within ±10V, as the air cooler will not start or be on and off repeatedly if the voltage is too low, and it could easily be damaged if being operated under too low or too high voltage continuously.

❋ Principle of work

The Evaporative Air Cooler cools air by the temperature variation from the evaporation of water. Its principle is that: Circulating pump continuously suck water from the sump and distribute water equably to the cooling pads by the water distributor, and then the water on the cooling pads effects with the outside air and evaporate to drop the temperature. Thus we have the fresh, cooler and clean air.
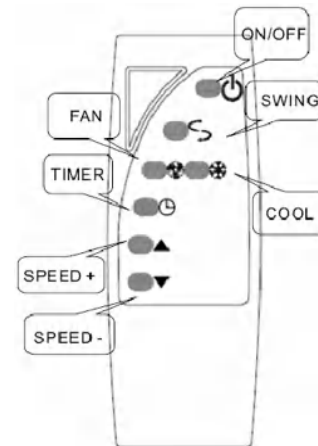
❋ Application areas

- The staff dormitory and the home must decrease temperature place;

- The plant which must decrease temperature operational site;

- Open type store, supermarket, dining room and so on business places;

- Outdoor equipment maintenance mobility large places;

- Bakes, meeting and so on entertaining places.

❋ Introduction to Evaporative Air Cooler's model

● Introduction to Button Functions

Pic. 1 Control panel

Pic. 2 Remote control

This cooler have below functions: FAN, COOL, High-Mid-Low Speed switch, SWING, TIMER for ON/OFF, Temperature calibration.

1) IN STANDBY MODE

When cooler connect to the power, after buzzer voice, LCD will show the current temperature and wait for user's Command control.

2) POWER ON/OFF

In standby, press ON/OFF on control panel or ⏻ in remote control to start the cooler. The running mode, speed will be same as the previous running. When the cooler is first power on, it will run in cool mode with speed 2. After cooler on, the indicator will be dynamically revolving, and the fan speed indicating area will show current speed with right to left 1-2-3.

When cooler runing, Press ON/OFF or ⏻ in remote control, cooler come to standby state.

3) COOL

Press "COOL" on control panel or ❋"in remote control to switch the cooler in COOL mode. When in "COOL" mode, the COOL icon will show. FAN will not show.

In COOL mode, If there is water shortage in tank, "Water" will show in control panel. It will Automatically be cleared when water level returns to normal.

4) FAN

Press FAN on control panel or " ❀ " in remote control to switch the cooler into FAN mode. When in FAN mode, COOL icon will not show.

5) FAN SPEED SWITCH

Press SPEED on control panel to increase or decrease speed circularly by 1-2-3-1..., or

press " ▲ ", " ▼ " to switch speed on remote control, also can be used to increase or decrease speed circularly. When fan speed switch, the speed indicator area will show the current speed.

6) SWING

When cooler in running state, Press SWING on control panel or " $\leftsquigarrow$ " on remote control to start or stop swing function. When start, "Swing" will show on control panel, or it will not show.

7) TIMER SETTING

Timer is used to set auto ON/ OFF after N hours. The timer is set by every 1 hour, it will start timing after setting takes effect, when the setting time is finished, the cooler will auto ON or OFF. When cooler in standby, the set timer will auto start the cooler. When the timer is set in running state, the set timer will auto stop the cooler. During timer setting, the number in temperature indicating area will show the time, after timer setting takes effect, it will recover to show temperature.

TIMER ON/OFF SET STEPS

Press TIMER on control panel or " $\oplus$ " on remote control, timer or timer icon " $\oplus$ "will show. Timer value will circle increase, If continue press "TIMER", the max timer is 24 hours, after 24, it will return to 00. When adjust the needed time, it will automatically take effect after 5 seconds. After taking effect, TIMER will continue to show on control panel.

TIMER CANCEL SET STEPS

You can cancel timer as the following ways:

a. Set the time as 00

b. When the timer or timer icon show, press ON/OFF

c. When timer or timer icon show, press ON/OFF twice (that is, to on/off cooler again).
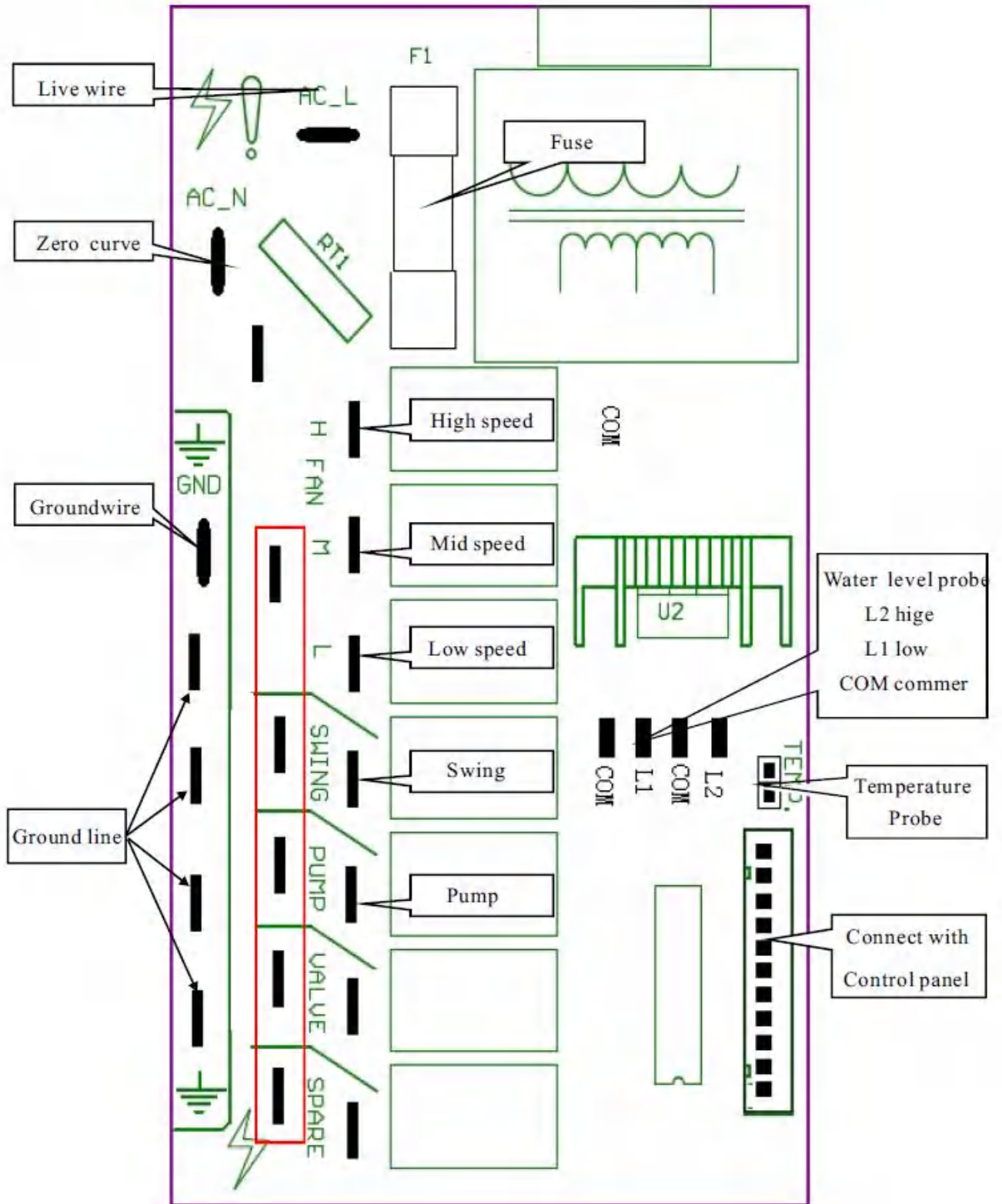
8) TEMPERATURE CALIBRATION

When the temperature shown on control panel is quite different from the standard thermometer, it is allowed to adjust the temperature .

Adjustment way: press SWING on control panel for 3 seconds, then the temperature value starts

flashing, at this time, press " ▲ ", " ▼ " in remote control to adjust the temperature, after adjustment, press ON/OFF to save and exit. If press other keys, it will not be saved.

Attention: the thermometer should be put near the cooler's temperature sensor for more than 3 minutes, when the temperature is stable, this temperature can be used as a reference. And please make sure that the thermometer is accurate.

Pic. 3

✳ Technical parameters

Voltage/Frequency (V/Hz)	220-240 /50
Power of motor (W)	150
Speeds of fan	3
Type of fan	Axial
Air supply (m³/h)	6000
Controller	LCD display + Remote control
Timer (h)	1-24
Water consumption (L/H)	4-6
Air delivery distance (m)	10-12
Pre-dust filter	Available
Coverage of indoor areas (m²)	50-60*
Coverage of outdoor areas (m²)	25-35*
Inlet for auto water filling	Available
Noise level (dB)	<68
Capacity of water tank (L)	70
Weight of appliance (Kg)	32
Weight of appliance with water (Kg)	102
Dimensions of appliance (ҮxМxП) (HxLxW) (mm)	1320x550x795
Packing dimensions (HxLxW) (mm)	1170x490x835
Gross weight (Kg)	35

✳ Guide for Installation and Uninstall of Truckles and Horse

Pic. 4

Pic. 5

1. Take 2 wheel brackets with wheels,as Pic 4;
2. Use ST5×20 bolts to stable the assembled frame to the bottom of the water tank. Lock the bolt closely with Phillips screwdriver.Please pay attention to the hole at the tank while installation,as Pic 5.

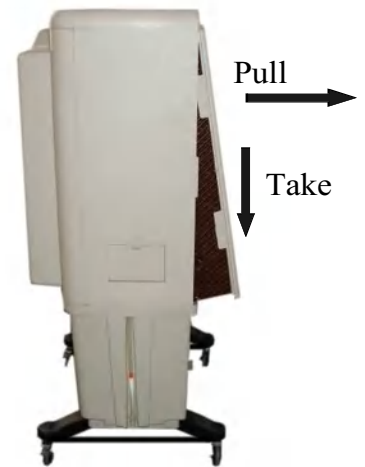PS:The truckles with brake will be on the side of air outlet, and affirm the truckles close with the base.

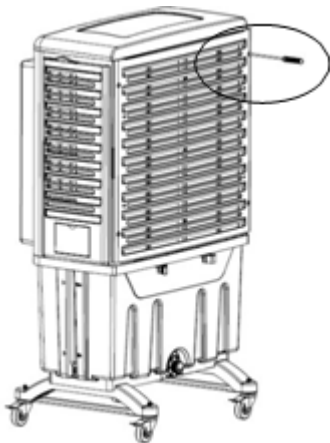# ❄ Guide for installation and dismantling of the side panel
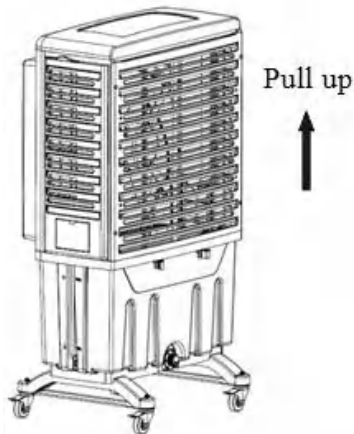

Pic. 6

Pic. 7

Pull

Take

Pic. 8

1. Loose four bolts with cross screwdriver, as Pic. 6;
2. Pull up the dust screen and the side panel as Pic. 7;
3. Pull out the side panel after pull up it, and then take it out, as Pic. 8;
4. Please install as the contrary step.

Pic. 9

Pull up
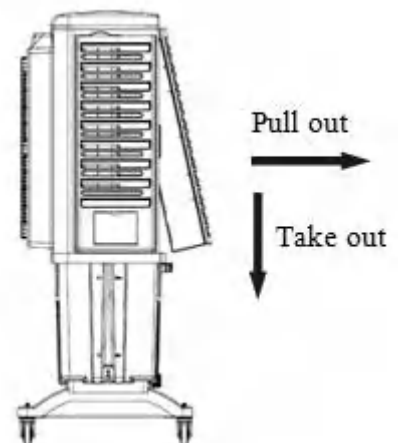
Pic. 10

Pull out

Take out

Pic. 11

1. Loose four bolts with cross screwdriver, as Pic. 9;
2. Pull up the dust screen and the side panel as Pic. 10;
3. Pull out the side panel after pull up it, and then take it out, as Pic. 11;
4. Please install as the contrary step.

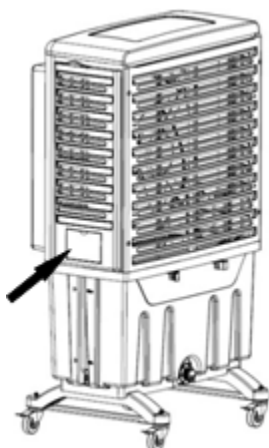# ✳ Guide for adding water and draining water from the tank
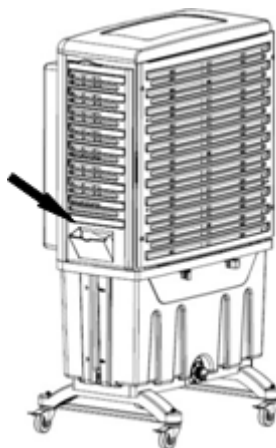

Pic. 12

Pic. 13

Pic. 14

Add water:

1. Pull out the affusion hole, as Pic. 12;

2. Add water from this hole, as Pic. 13;
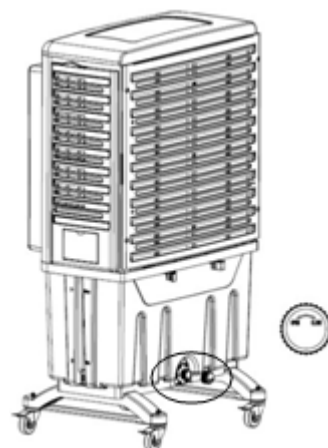
Drain:

Open the valve cover wither shins, also close it clockwise after drain, as Pic. 14;

Pic. 15

Pic. 16

Pic. 17

Add water:

3. Pull out the affusion hole, as Pic. 15;

4. Add water from this hole, as Pic. 16;

Drain:

Open the valve cover wither shins, also close it clockwise after drain, as Pic. 17;

❋ Attention

1. Air cooler must be installed in the place which is well ventilated and dry to ensure that it is bringing 100% fresh air into the room. It helps cooler make a better cooling;

2. Please lock the wheels while the cooler operation, avoid cooler sleeking;

3. The water pump would stop working while the cooler is lack of water. Please add water in time, do not exceed the highest water line and also power off the air cooler before adding water;

4. For safety, please do not take out the side panel during the cooler was working;

5. Please do not extend anything into the air diffuser while the cooler was working;

6. If the air cooler is used outdoor, please power off the cooler while it is raining or thundering;

7. Please power off the air cooler while you do the maintenance;

8. We advise that please drain the water everyday and do the cleanout for tank, for keeping the fresh air;

9. Please clean the dustproof and the pads regularly. You can choose clean water and fluff brush for clearance;

10. Please do not do anything without the laypeople while the air cooler is broken;

11. If there would be a long time not using the air cooler, please drain all the water for keeping clean and avoid ice over during the winter.

❋ Attachment: Trouble shooting

Problem	Possible cause	Suggested remedy
Air cooler does not work	Incorrect power connection	Connect power correctly
	Fuse burnt	Reset circuit breaker or replace it
	Loose electrical Connections	Check all electrical connections
	PC board was attainted	Replace it
No airflow	The knob is broken	Replace it
	The capacitance is broken	Replace it
	The motor is broken	Replace it
No cooling	No water	Add water
	The knob is broken	Replace it
	The pump is burnt	Replace it
Unpleasant odour	Dirty water	Change water and clean the cooling pads