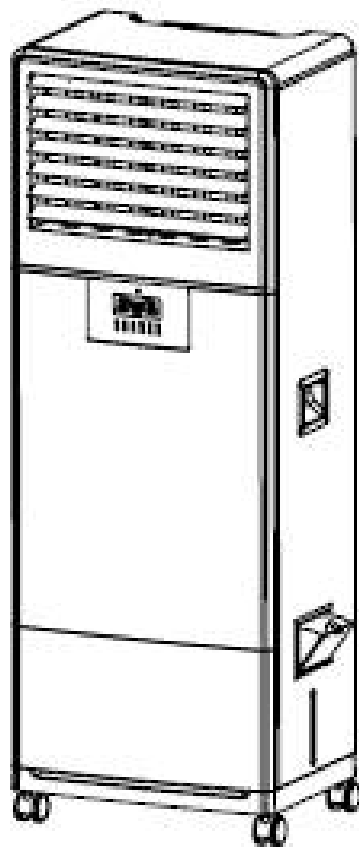


# **COLORATO**

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## **INSTRUCTION MANUAL AIR COOLER**



**MODEL: CLAC-350N**

Read carefully these instructions  
before using the appliance

Thank you for your trust and support for choosing our Evaporative Air Cooler.

The appearance of the air cooler you are using may not be the same as the one in this manual, but this does not influence its operation and use.

In order to be able to use this appliance more efficiently, please read this manual carefully before using the appliance and keep it for future reference.

## \* Precautions

**Read this manual carefully before operation.**

- Be sure to prevent the appliance from any source of fire.
- Power lines and control lines should be connected correctly. Notice that earth line's section is at least 1.5mm<sup>2</sup>, and do not share socket.
- Try to make voltage within  $\pm 10V$ , as the air cooler will not start or will be on and off repeatedly if the voltage is too low and it could easily be damaged if being used with wrong voltage.

## \* Working Principle

The evaporative air cooler cools the air through water evaporation. Its working principle is: circulating pump continuously suck water from the tank, and distribute water equably to cooling pads by water distributor, then water on cooling pads effects with the outside air and evaporate to drop the temperature. Thus we have fresh, cool and clean air.

## \* Application Areas

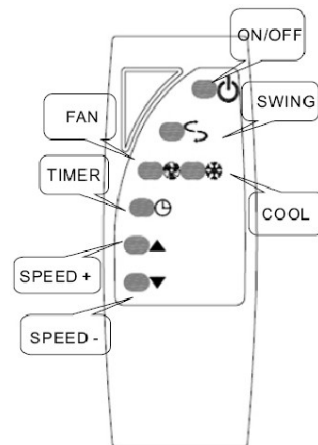
- Living places such as the staff dormitory, drawing room, kitchen, dining room.
- Public places such as office, meeting room, class room, church, and auditorium.
- Business places such as opens type store, supermarket, restaurant.
- Outdoor activity places or, places that has heating equipment.
- Cafes, restaurants and other entertaining places.

# \* Guide for how to use the cooler

## • Instruction for using control system



TIMER SWING SPEED VENT COOL ON/OFF



## • Functions and operations


The cooler has functions: vent, cool, high-middle-low speed switch, swing, pre-cool when cooler on, timer ON/OFF and water lack protection.


### STANDBY STATE

The cooler will be in standby state when power on, with ON/OFF icon light and buzzer “Bi” sound.

**Note: when power on, the ON/OFF icon will keep light no matter cooler on or off.**


### ON/OFF


When in standby, press ON/OFF or , the cooler will run as previous mode and speed before shutdown. When first power on, the cooler is default to run in cool mode and low speed. The cooler will run 30s in low speed and then recover to previous running speed before shutdown.

When in running state, press ON/OFF or , the cooler will enter into standby state. When the cooler is shutdown in cool mode, it will keep running 10s in vent mode with low speed before cooler stops.



### COOL MODE

When in vent mode, press COOL or , the cooler will enter into cool mode with vent icon off.

When in cool mode,  will flash for water shortage with 5 buzzer “DiDi” sounds.

 will disappear with 1 buzzer “DiDi” sound when water recovers to standard level.

### VENT MODE

When in cool mode, press VENT or , the cooler will enter into vent mode with  off.

### SPEED SWITCH

Press SPEED or   for speed switch.

### SWING FUNCTION

Press SWING or  to start or stop swing function.

## **TIMER ON/OFF**

When cooler is running, press TIMER or ☹ for timer off function; when in standby, press TIMER or ☹ for timer on function. Timer ON/OFF can be set between 0.5~7.5 hours with timer icon on.

### **Timer setting steps:**

1. When cooler running or in standby, press TIMER or ☹ with timer icon flash;
2. Set timer between 0~7.5 hours. 0.5 hours will be increased when press TIMER or ☹ every time. 0 means timer function is closed.
3. Timer setting will be saved automatically after 5s with timer icon on.

### **How to cancel timer:**

- a. Set the timer as 0;
- b. Press ON/OFF when timer icon flashing;
- c. Press ON/OFF twice (that is to restart) when timer icon on.

## **PRE-COOL WHEN COOLER ON**

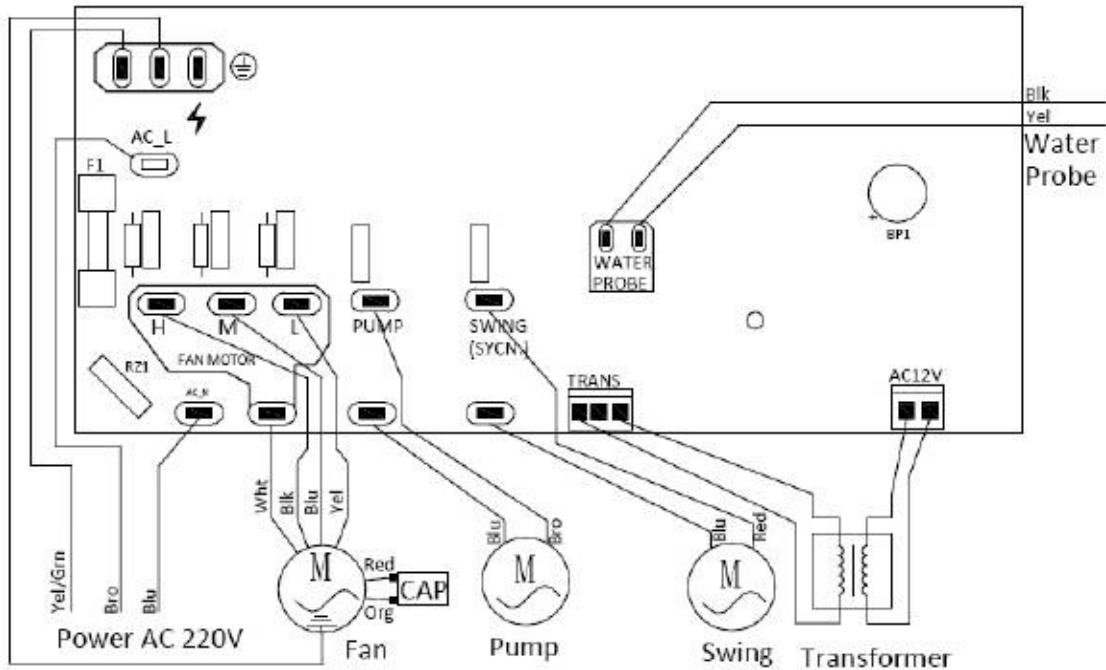
When pre-cool function is set, the cooler will start with pre-cool automatically (first power on or previous shutdown with cool mode). Pre-cool time can be set between 0~4mins. (.5 means 1min, 1 means 2mins, 1+.5 means 3mins, 2 means 4mins)

How to set pre-cool function

1. When cooler in standby, press COOL 3s then loose with cool icon flash;
2. Press SPEED or ▲▼ to adjust pre-cool time (press one time to increase or decrease 1min); SPEED button can be used to set pre-cool time circularly (0~4mins). ▲ can be used to increase pre-cool time (max 4mins); ▼ can be used to decrease pre-cool time (min 0, that is, pre-cool function stops)
3. Press COOL to save setting with cool icon off.

**Note: the cooler will start with pre-cool function when in cool mode if pre-cool is set.**

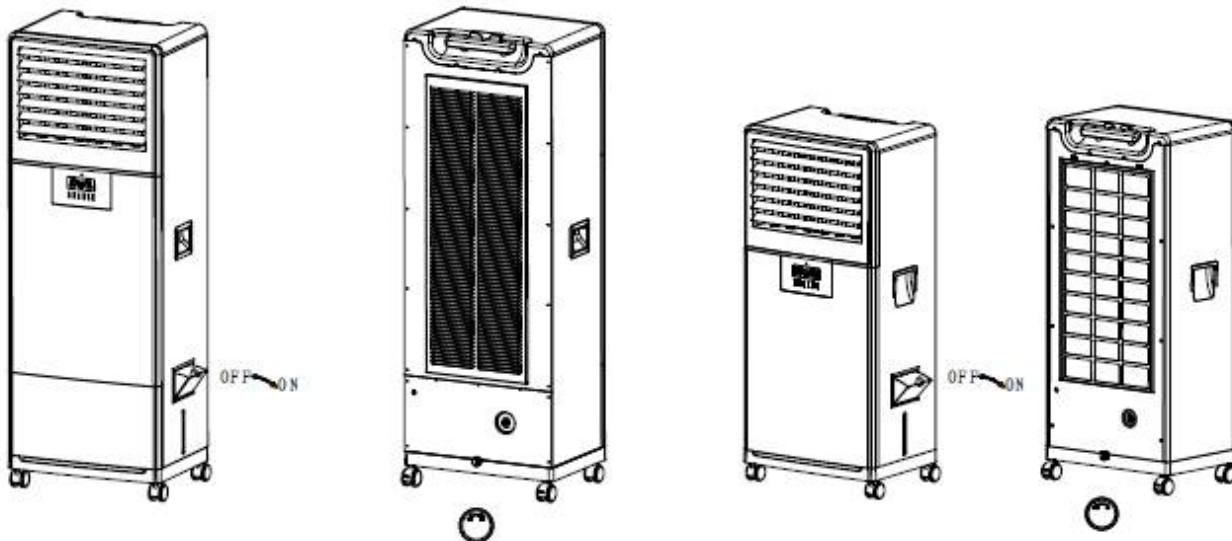
## \* Circuit drawings



## \* Technical parameters

Voltage/Frequency (V/Hz)	220-240 /50
Power of motor (W)	100
Speeds of fan	3
Type of fan	Centrifugal
Air supply (m <sup>3</sup> /h)	3500
Controller	LCD display + Remote control
Timer (h)	0.5-7.5
Water consumption (L/H)	3-5
Air delivery distance (m)	7-8
Pre-dust filter	Available
Coverage of indoor areas (m <sup>2</sup> )	30-40*
Coverage of outdoor areas (m <sup>2</sup> )	15-25*
Inlet for auto water filling	Available
Noise level (dB)	<58
Capacity of water tank (L)	35
Weight of appliance (Kg)	42
Weight of appliance with water (Kg)	77
Dimensions of appliance (YxMxΠ) (HxLxW) (mm)	1680x430x600
Packing dimensions (HxLxW) (mm)	1740x510x700
Gross weight (Kg)	45

## \* Guide for adding water and draining



### 1) Adding water:

Open the cover as picture and then add water, while watching the water gauge to make sure whether the tank is full of water.

#### NOTE:

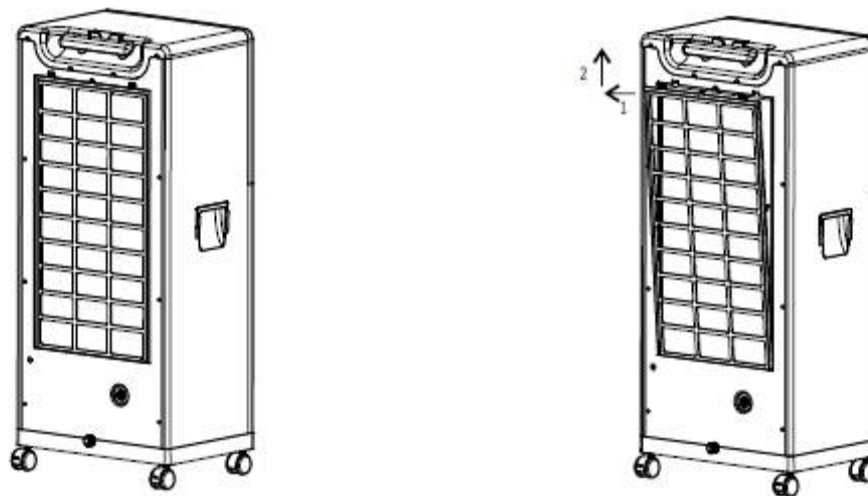
a. Please do not splash water to motor and other parts to avoid damage to electron components.

b. Adding water to MAX line is ok, if not, water may come out of the cooler.

c. Add clean water to the AIR COOLER.

2) Draining: Pull out the plug in the bottom.

## \* Guide for installing and dismantling of the back panel



1. Discharge the screws at the back panel.
2. Press down the clips and pull out the panel.
3. Discharge the screws between the back and front panel.
4. Hold the back panel and pull it out.
5. Follow the above operation in reverse to install the back panel.

## ✦ Trouble shooting

Problem	Common 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
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 odor	Dirty water	Change water and clean the cooling pads
No draining	Blocked	Replace it

## ✦ Matters that need attention

1. The Air Cooler must be installed in a place which is well ventilated and dry to ensure that it is bringing 100% fresh air into the room. This helps the cooler provide better cooling results.
2. Lock the wheels while the cooler is operating, in order to avoid cooler sleeking.
3. The water pump will stop working when there is lack of water in the water tank. Water should be added in time, without exceeding the highest water line. The appliance should be power off before adding water.
4. For safety, you should not take out the side panel while the cooler is working.
5. Do not extend anything into the air diffuser while the cooler is working.
6. If the air cooler is used outdoors, you should power it off in case of rain or thunders.
7. The appliance should be power off during any maintenance.
8. We advice that the water should be drained everyday and the take should be cleaned, in order to keep the air fresh.
9. The dustproof filter and the pads should be cleaned regularly, with clean water and a fluff brush.
10. In case of malfunction, do not try to repair it. You should call for the qualified service center to repair it.
11. If the appliance is not going to be used for a long time, you should drain all the water for keeping it clean and avoid ice over during the winter.

