



EVAPORATIVE AIR COOLER

INSTRUCTION MANUAL

AIRBLASTER-3



Please read this manual carefully before using the unit.

Preface

Thank you for purchasing our new generation evaporative air cooler.
Please read this manual thoroughly before initial use.

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Notice

- Please read this manual carefully and thoroughly before you run this unit.
- When the air cooler is working, pay attention to not allow welding or other igniting sources near it.
- Power outlet must have a ground wire not less than 1.5mm thickness in order to ensure effective grounding of air cooler.
- Supply voltage deviation should be within the rated voltage of $\pm 10V$. Voltage being too low or too high for a long time could easily damage the air cooler.
- The air cooler should be used in an environment with adequate ventilation.
- Activate the brake of castors when the air cooler is working to prevent it from moving.
- The water pump will automatically shut off when air cooler is running low on water. Turn off the air cooler before adding water. The water should not exceed the maximum water level.
- Do not insert any object into the air outlet.
- Cut off the power before conducting routine maintenance.
- Drain water and clean water tank every day to ensure fresh air and odor.
- Clean air filter and cooling pad regularly using soft brush and water.
- Dry the water tank, air filter and cooling pad before storing the unit.

Cooling principle

The 3-step air cooling process is very simple

- 1) A simple air moving system pulls fresh outside air and drives it through the moist pads. (The water / air cooling pads have replaced bed sheets.)
- 2) The water in the pads evaporates, bringing down the temperature of the air passing through the pads.
- 3) The blower then blows the cool air into the room

Evaporation takes place throughout the day. For example, we perspire in hot weather and the water vapor produced by sweating takes the heat away from our body as it is exposed to air. Whenever dry air passes over water, the water is absorbed by the air. That is why evaporative cooling naturally occurs near waterfalls, rivers, lakes and oceans. The hotter and drier the air, the greater is the water absorption.

Applications

- Staff accommodation or home
- Production unit in factories
- Open type shop, supermarket, restaurant and other commercial establishments.
- BBQ party and other entertainment places
- Outdoors
- Offices, hotels and exhibition halls
- Schools, hospitals, gyms and other large space
- Military camps, warehouse and other industrial applications.

Operation



Fig1

Control panel (Fig 1)

1 On/off

Press this button once to start the unit. It will start up low fan speed and cool function on the initial use. Press this button again to turn off.

2. Cool

During operation, press this button to start the evaporative cooling function. The cool wind indicator lights up and the pump starts to operate.

3. Speed

Press this button to select desired fan speed, LOW-MID-HIGH-LOW (1-2-3-1). The corresponding air flow speed indicator light will be displayed.

4. Swing L/R

Press this button once and the auto left and right swing will be activated. Press this button again to cancel.

5. Anion

Press this button to release negative ions into air and ionizer indicator light turns on.

6. Timer

Press this key to set the timer between 1 to 9 hours.

7. Mode

Press this button to select the desired wind mode, NATURE-SLEEP-NORMAL. The corresponding wind mode indicator will be displayed.

(1) Normal: It works as per the selected fan speed (HIGH, MID, LOW).

(2) Nature: It works as per the pre-set program, imitating the natural wind.

(3) Sleep: It works as per the pre-set program, alternating between different fan speeds.

① If HIGH is selected, the unit will work under HIGH NATURE wind mode for half hour, then revert to work under MID NATURE wind mode for half an hour and then revert to LOW NATURE wind mode until the end of the set timer.

② If MID is selected, the unit will work under MID NATURE wind mode for half an hour, then revert to LOW NATURE wind mode until the end of set timer.

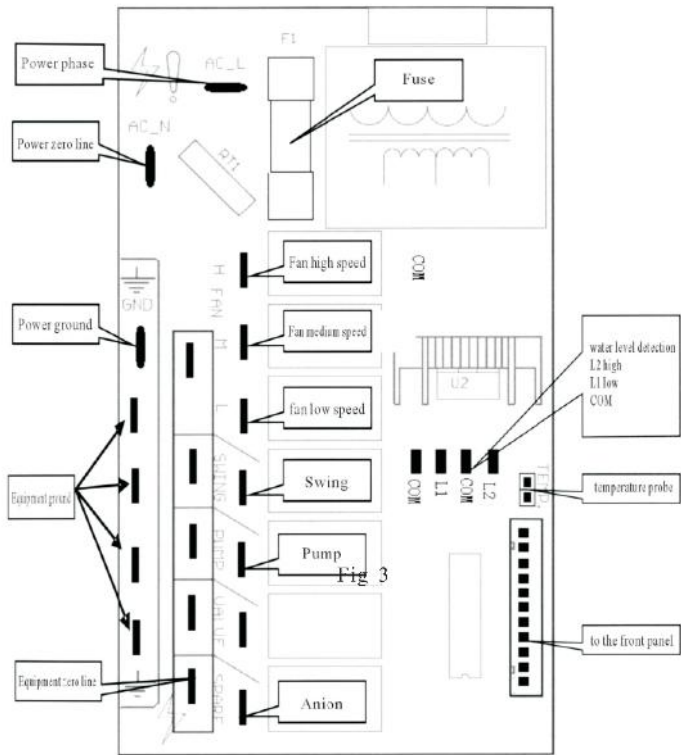
Remote controller (Fig 2)

- 1.On/off: turn on or off the air cooler
- 2.Cool: turn on or off the cool function
- 3.Anion: activate the oinizer to generate negative ion
- 4.Speed: choose the fan speed from low-medium-high
- 5.Swing L/R: turn on or off the auto left & right swing function
- 6.Timer: activate the timer function



Fig 2

Wiring diagram



Installation of castors



Fig 4



Fig 5



Fig 6

- 1.Take the two castors with brake,two castors without brake and 2pcs of castor frames (Fig 4)
- 2.Fix the castors into the M10 hole on castor frames.Castors with brake should be installed on the front side of the unit (Fig 5).
- 3.Fix the castor frames on the bottom of the water tank using a philipps screwdriver with the provided screws.Tighten the screws.

Removing the rear cover plate



Fig 7



Fig 8



Fig 9

- 1.Loosen 4 screws on rear cover plate (Fig 7)
- 2.Lift the air filter mesh and raise the rear cover plate by hand (Fig 8)
- 3.Pull and lift out the rear cover plate to remove it.(Fig 9)

Water inlet/outlet diagram



Fig 10

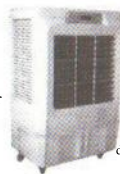


Fig 11

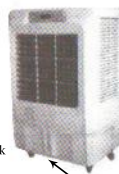


Fig 12

• Adding water

1. Open the water inlet (Fig 10).
2. Pour water (Fig 11).
3. Check the water level (Fig 12).

• Draining water

Rotate the plug counterclockwise and remove it. Water will flow out via gravity and re-install the drain plug afterwards.

Technical parameters

Model	AIRBLASTER-3
Air volume (m ³ / h)	12000
Blast pressure (pa)	80
Input power (W)	380
Voltage/frequency (V/Hz)	220-240V ~ 50/60Hz
Working current (A)	1.45
Fan type	Axial fan
Noise (dBA)	≤68
Unit size (mm)	900x620x1300
Air outlet size (mm)	700x670
Water consumption (L/H)	4 ~ 6
Water tank capacity (L)	70
Applicable area (m ²)	80-200
Net weight (kgs)	50

Troubleshooting

Problem	Possible reason	Solution
not working	1.The plug is not securely inserted into the socket,not well connected or no power on convenience outlet. 2.The “ON/OFF” button is not pressed but unit is plugged into the socket.	1.Insert the plug into the socket firmly and make sure it is well connected or check the breaker if there is no power on the convenience outlet. 2.Press “ON/OFF” button after plugging the unit into the socket
cool function not working	1.Not enough water in water tank 2.Water pump is blocked 3.Cool button not functioning	1.Add water to ensure there is enough water to be pumped. 2.Clean the water tank 3.Press the cool button

Notice:

- 1.If any problem please contact our service center or a qualified technician for further inspection.
- 2.Do not open and repair the unit by yourself.

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