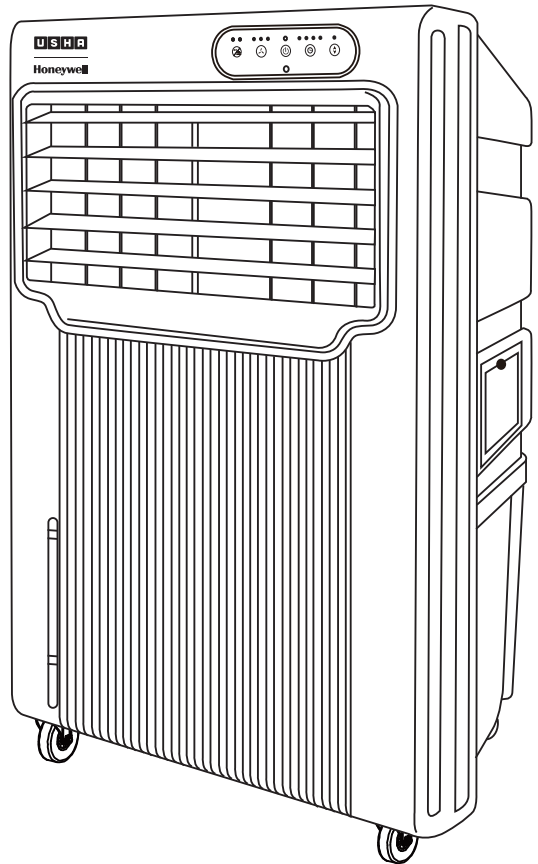




# Portable Evaporative Air Cooler User Manual

Read and save these instructions before use



**USHA care**

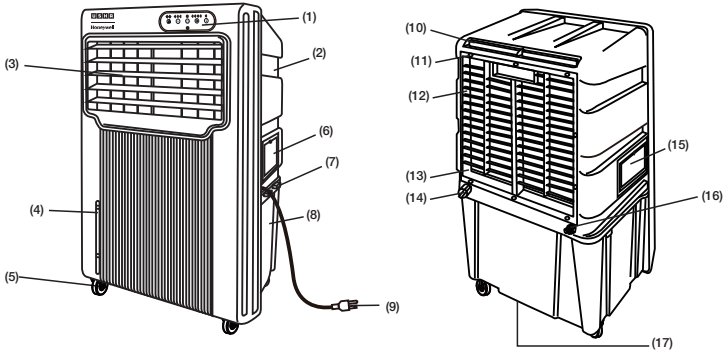
Toll free

1800-103-3111

[www.usha.com](http://www.usha.com)

**Model: CL70PE**

# PARTS DESCRIPTION

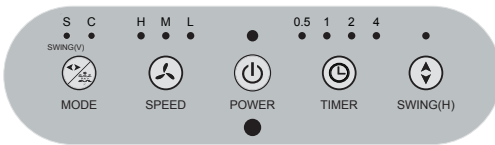


- |                          |                             |                       |
|--------------------------|-----------------------------|-----------------------|
| 1) Control Panel         | 7) Power Cord Wrap          | 13) Rear Grill        |
| 2) Handle                | 8) Water Tank               | 14) Water Regulator   |
| 3) Louvers               | 9) Power Cord & Plug        | 15) Water Fill Door   |
| 4) Water Level Indicator | 10) Plastic Net Filter      | 16) Water Inlet Valve |
| 5) Casters               | 11) Rear Grill Screw        | 17) Drain Plug        |
| 6) Ice Compartment Lid   | 12) Honeycomb Cooling Media |                       |

**WARNING -- READ AND SAVE THE AIR COOLER SAFETY & MAINTENANCE GUIDE AND USER MANUAL BEFORE USING THIS PRODUCT. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY DAMAGE AND/ OR IMPAIR ITS OPERATION AND VOID THE WARRANTY.**

## USE & OPERATION

### CONTROL PANEL



Icons on Display Screen

- |  |                             |  |                               |
|--|-----------------------------|--|-------------------------------|
|  | Swing<br>(Vertical Louvers) |  | Power                         |
|  | Cool                        |  | Timer                         |
|  | Speed                       |  | Swing<br>(Horizontal Louvers) |

### FUNCTION BUTTONS

#### POWER

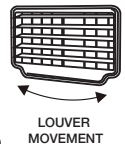
Press the POWER button to turn the unit on. The cooler will start automatically at medium speed. After a few seconds the speed will switch to low. To turn the unit off, press the button again.

#### MODE

Press the MODE button to activate evaporative cooling and/or louver swing modes.

Press the MODE button until the "S" indicator light is illuminated on the control panel. The Vertical Louvers will begin to move left to right automatically.

Press the MODE button until the "C" indicator light is illuminated to activate evaporative cooling. The water pump will operate and you will feel the cooler air after the Honeycomb Cooling Media is completely wet.



# USE & OPERATION (CONTINUED)

## FUNCTION BUTTONS (CONTINUED)

Pressing the MODE button until both “S” and “C” are illuminated will activate both Swing (Vertical Louvers) and Cool modes simultaneously.

**Note:** When the “C” mode is not selected, the unit functions in a fan only mode, without evaporative cooling.

## SPEED

Press the SPEED button repeatedly to change the speed between High - Medium - Low. The indicator light will show the selected speed:

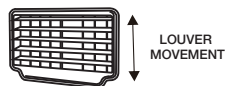


## TIMER

Press the TIMER button until the desired time duration setting is selected. When the set time has passed, the unit will automatically turn off (unit remains in Standby mode until power cord is unplugged from electrical socket). The TIMER function allows you to program the unit for up to 7.5 hours of use.

## SWING(H)

Press the SWING (H) button until the indicator light turns on. This activates the Horizontal Louvers and they will begin to move up and down automatically.

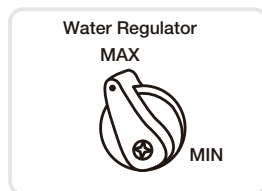


## ROOM COOLING AND HUMIDIFYING

In cooling mode, Usha Honeywell Air Coolers provide cool, moist air through the evaporation of water. There is a manual Water Regulator knob located behind the ice compartment of the unit. This allows you to adjust the amount of water pumped over the Honeycomb Cooling Media, thus helping to control cooling and humidification levels.

When the Water Regulator is set to MIN, the water pump distributes a minimal amount of water to the Honeycomb Cooling Media. This results in less water evaporation and reduces the cooling effect.

When the Water Regulator is set to MAX, the water pump distributes the maximum amount of water to the Honeycomb Cooling Media. This results in maximum water evaporation and greater cooling performance.



## REMOTE CONTROL



POWER : ON / OFF

SWING : Controls the motion of the horizontal louvers

TIMER : Controls the Timer function for automatic off

MODE : Controls the motion of the vertical louvers and evaporative Cooling On / Off

SPEED : Low / Medium / High

# USE & OPERATION (CONTINUED)

## REMOTE CONTROL (CONTINUED)

### Note:

- The remote control requires AAA (2 x 1.5V) batteries for replacement.
- Open the battery compartment at the back of the remote control and insert the batteries inside. Care must be taken to insert the batteries according to the correct polarity (+ / -) markings shown inside the battery compartment.
- Always point the remote control signal transmitter towards the unit when operating. Make sure that the signal path is not obstructed.
- Remove the batteries if the unit is not going to be used for an extended period of time.
- Do not drop the remote control.
- Do not mix different types of batteries such as alkaline, carbon-zinc, or rechargeable batteries.
- Do not mix old and new batteries.
- Do not recharge the battery.
- Exhausted batteries are to be removed from the product and safely disposed of as per local regulations.
- Do not dispose of batteries in fire. Batteries may explode or leak.

**WARNING:** Caution for ingestion of the small battery. Keep away from children and animals.

## COOLER LOCATION

Make sure to position the air cooler correctly before you set up and start using the product. Please refer to the COOLER LOCATION section of the separate Safety & Maintenance Guide.

## FILLING WITH WATER

It is ideal to use the Continuous Water Supply Connection to run the unit for long periods of time without refilling the tank. This also helps prevent pump failure in case the cooler is running with inadequate water in the tank.

### CAUTION:

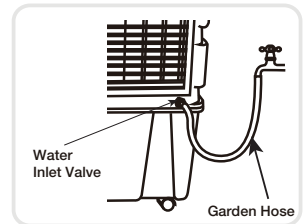
Unplug the unit from the electrical power outlet before filling or emptying the water tank.

### Continuous Water Supply Connection:

For a continuous water supply, you will need a garden hose that is connected to a main water supply.

- Locate the male connector at one end of the garden hose. Insert the garden hose connector into the water inlet valve of the cooler. Screw and tighten the water inlet valve onto the threaded part of the garden hose connector, making sure the hose connector is secured to ensure there will be no leaks. If there is leakage, the hose and the water inlet valve may not be connected properly. Try to disconnect, replace and tighten the water inlet valve again.
- When the connection is secured, turn ON the water supply and the water will flow into the water tank of the cooler.
- The cooler is now set so the water refills automatically when the water tank is empty, or when the water reaches below a minimum level.
- When the water tank is full, the water inlet valve will automatically stop the water supply from overflowing.

**WARNING:** The maximum water inlet pressure is 0.5 MPa.



## USE & OPERATION (CONTINUED)

### FILLING WITH WATER (CONTINUED)

#### Manual Water Tank Refill:

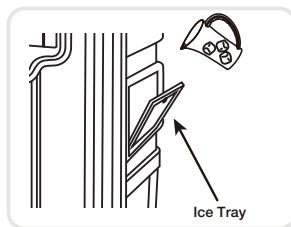
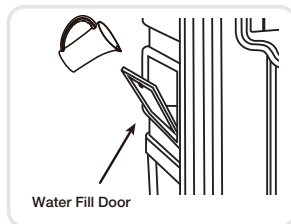
Open the Water Fill Door located on the side of the unit.

The Water Level Indicator is located at the front of the unit. Refill the water tank when water level is low. Do not fill water above the "Max." water level mark to avoid water droplets collecting on the louvers. Check the water level in the tank before running the COOL function. Make sure that the water in the tank is above the minimum water level mark. Running the unit in COOL mode with inadequate water may cause pump failure.

**WARNING:** Always ensure the water in the water tank is above the minimum (Min.) water level mark for both Continuous & Manual Water Refill. Running the unit in Cool mode with inadequate water may cause pump failure.

**Note:** The water capacity refers to the total volume of water that can be contained within the air cooler water tank and water distribution system. The water capacity in the tank at the "Max." indicator level may be lower than the actual water capacity of the air cooler.

**Note:** If ice is available, you may add ice in the ice tray to enhance the cooling performance.



### LOW WATER ALARM\*

The unit is equipped with a low water sensor. In Cooling Mode, when water in the tank is below the minimum level, you will hear a beeping sound and the indicator light will flash continuously. The unit will automatically pause evaporative cooling.

Refill the water tank to deactivate the alarm in cooling mode. First switch OFF the unit and unplug from the power outlet. Fill the water tank with water above the minimum water level mark. Plug in and switch ON again.

To deactivate the alarm and continue using the unit as a fan (without evaporative cooling), switch the unit OFF and then ON again. The Low Water Alarm will not activate in Fan only mode. The Low Water Alarm will sound again if the COOL function is activated while the water tank is still empty.

\*Applicable for models with Low Water Alarm feature only.

## CLEANING & DRAINING THE WATER TANK

If the cooler will not be used for a long period of time, please refer to the STORAGE & MAINTENANCE GUIDELINES located in the separate Safety & Maintenance Guide.

### WARNING:

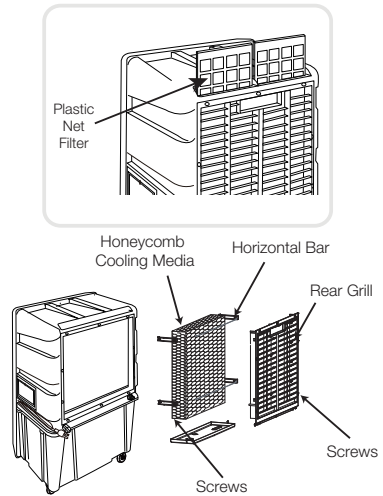
Before cleaning the unit, switch the unit OFF and disconnect from the electrical socket.

- Move the unit to a location where the water can be drained. Remove the cap from the Drain plug located at the bottom of the unit. Allow the tank to empty.
- Refill the water tank with clean water, up to the maximum level and drain it completely.
- Use a damp cloth to remove the dirt and dust from the surface of the unit. Never use corrosive elements or chemicals to clean this product.
- When the product is not in use, store the unit in a dry place out of direct sunlight.

## CLEANING THE PLASTIC NET FILTER\* AND HONEYCOMB COOLING MEDIA

- The appliance is supplied with a Plastic Net Filter\* and Honeycomb Cooling Media.
- The Plastic Net Filter\* and Honeycomb Cooling Media are located inside the Rear Grill. See Figure 1 for instructions on how to remove them from the unit for cleaning and maintenance.
- Do not run the unit in COOL mode with stale water in the tank. You must empty the water tank and refill with fresh water, especially if the tank has not been cleaned in a long time.
- The cleaning frequency for the Honeycomb media depends on local air and water conditions. In areas where the mineral content of water is high, mineral deposits may build up on the Honeycomb Cooling Media and restrict air flow. Draining the water tank and refilling with fresh water at least once a week will help reduce mineral deposits. If mineral deposits remain on the Honeycomb Cooling Media, the media should be removed and washed under fresh water. The media should be cleaned every two months or sooner, depending on your needs.
- For best results allow the Honeycomb Cooling Media to dry after each use by turning off the cool function 15 minutes before turning the unit off.

Figure 1:



Removing the Plastic Net Filter\*/ Honeycomb Cooling Media:  
**WARNING:** Switch the unit OFF and disconnect from the electrical socket.

1. Slide out the Plastic Net Filter\* and clean with water.
2. Remove all the screws from the Rear Grill of the Air Cooler.
3. Carefully pull out the rear grill from the cooler.
4. Carefully pull out the Honeycomb Cooling Media from the rear grill.
5. There are two Horizontal Bars holding the Honeycomb Cooling Media in place. Remove all the screws from the Horizontal Bars and then pull the bars off of the Honeycomb Cooling Media.
6. Replace or clean media with water and a damp cloth as needed.

**WARNING:** DO NOT operate the Air Cooler when the Rear Grill or Honeycomb Media is removed from the Air Cooler, or if there is a loose-fitting Rear Grill or Honeycomb Cooling Media. Doing so can cause serious injury or dangerous electrical shock.

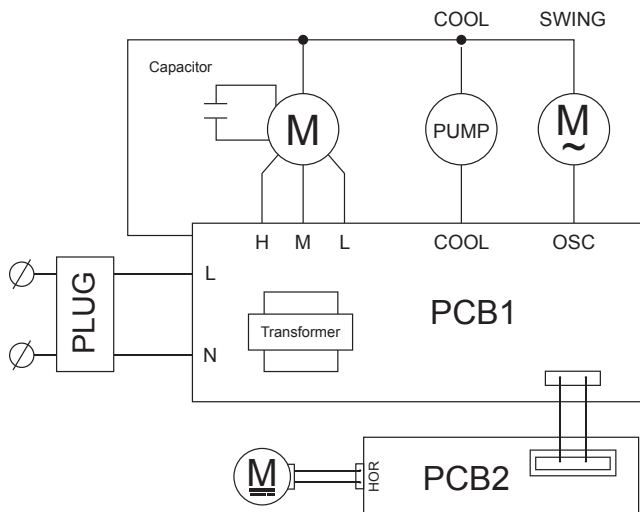
\*Applicable for models with Plastic Net Filter only.

# TECHNICAL SPECIFICATIONS

Model	CL70PE
Voltage	230V
Frequency	50Hz
Wattage	330 Watts
Water Capacity	70 Litres
Cooling Media	Honeycomb
Product Dimension	706(L) x 426(W) x 1008(H) mm
Net Weight	17.8 Kg

## ELECTRICAL WIRING DIAGRAM

Version: 230V/50Hz



# SERVICE AND WARRANTY

**This appliance is warranted for one year against all manufacturing defects from the date of sale. In the event of any complaint, please contact your nearest Company Service Centre or call at our Toll Free no: 1800-1033-111**

## **This Warranty is valid only when...**

1. The appliance has not been opened or tempered with, by any unauthorized person.
  2. The warranty card or cash memo duly signed by the authorized dealer are presented with the complaint.
  3. The appliance has been installed, used and maintained in accordance with the instructional manual.
- When contacting our Customer Support, please have the information below along with the proof of purchase. All warranty requests must be accompanied by a proof of purchase, which is a copy of the original receipt.

## **This Warranty does not apply for...**

1. Damages due to chipping, peeling, plating and denting.
2. Breakage or damage to components made out of Bakelite, Urea, ABS, SAN and such plastic, materials, rubber parts and cord.
3. Normal wear and tear of parts.
4. Damage resulting from accidents, mishandling or negligence on part of the customer.

**Liability for consequential loss or damage is neither accepted nor implied.**

S.NO : .....

CASH MEMO : .....

DATE : .....

DEALET'S NAME AND ADDRESS : .....

.....

.....

OWNER'S NAME & ADDRESS : .....

.....

.....



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