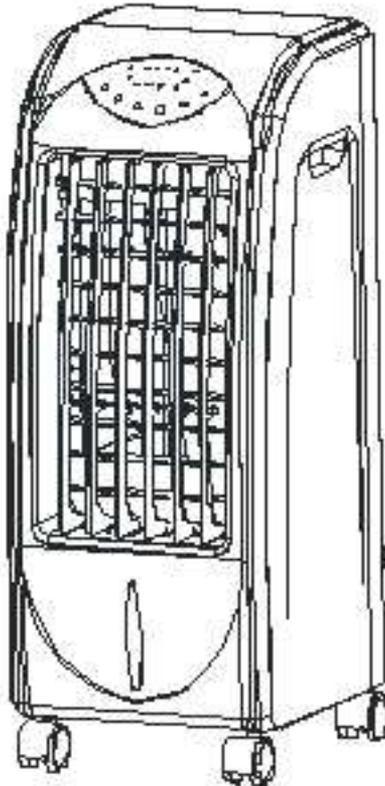




# EVAPORATIVE AIR COOLER WITH HUMIDIFIER

Model: SF-615H



## Instruction Manual

Please read this manual thoroughly before using this product. Keep in a safe place for future reference.

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## **A. PRODUCT INTRODUCTION**

Equipped with water and ice storage locations, using the principle of water evaporation and melting ice, this Evaporative Air Cooler with Humidifier is an economical way to cool and humidity the surrounding air. Features LED display, remote control as well as dual-layer air filter: nylon filter and 3D Honeycomb cooling pad.

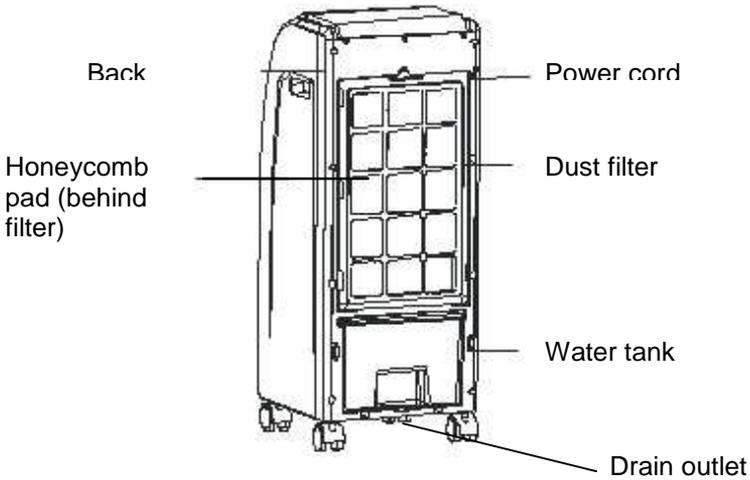
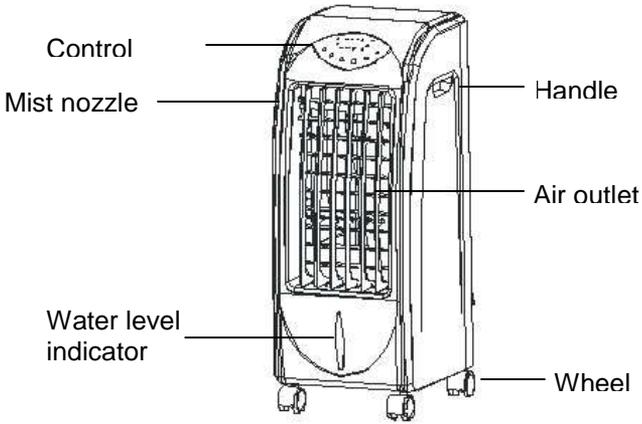
### **BRIEF INTRODUCTION OF FEATURES**

- High-grade computer-controlled system with LED panel
- Remote control
- Functions: Cool fan, ultrasonic humidifier and air filtration.
- Dust filter captures dust and pollen
- Honeycomb pad enhances cooling performance and added air filtration
- Energy saving and effective, only uses 65W of power
- 3 fan speeds: High – Medium – Low
- Large water tank capacity and high air volume
- Up to 12 hours off-timer

## **B. TECHNICAL PARAMETER**

Voltage / Frequency	120V / 60Hz
Power Consumption	75W / 0.59A
Water Consumption	0.5-0.6L/h
Air Volume	$\leq 500\text{m}^3/\text{h}$
Net Weight	13.23 lbs

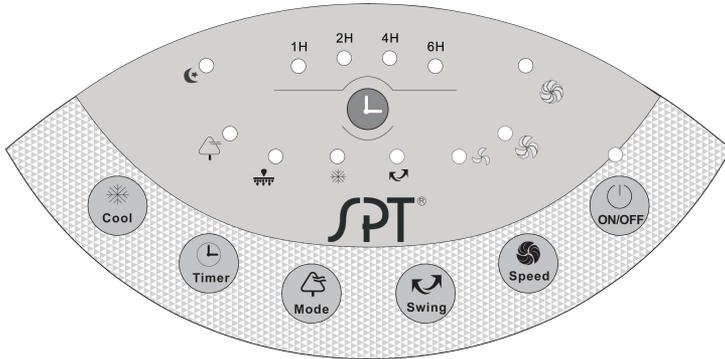
## C. CONSTRUCTION DIAGRAM



### Remote Control

The functions on the remote are the same as the control panel.

## D. CONTROL PANEL & OPERATION



**ON/OFF button:** Turns the unit on or off  
Indicator light illuminates when unit is plugged in.  
Unit operates in default High fan speed.

**SPEED button:** Selects fan speed: Low – Medium – High.  
Corresponding indicator light will illuminate.

**SWING button:** Starts/stops horizontal swing of vertical louvers  
Swing indicator light will illuminate.  
\*To direct vertical airflow, adjust the horizontal louvers manually.

**MODE button:** Selects the operating mode, corresponding indicator light will illuminate. If no indicator, fan is under normal mode at selected speed.

 (Natural): Imitates natural air flow. Unit operates according to preset computer program, alternating between different fan speeds. Please refer to next page for schematics.

 (Sleep): Unit operates according to preset program. Please refer to next page for schematics.

**TIMER button:** Press to set off timer between 1 to 12 hours.  
Each press is 1-hour increments. Illuminated lights add up to set time.

**COOL button:** Selects the cooling mode, corresponding indicator light(s) illuminates. If no indicator, unit is running fan only.



= Evaporative cooling function

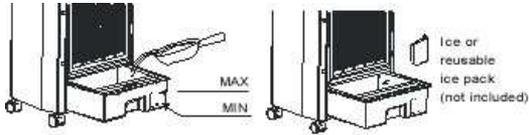


+



= Evaporative cooling + humidifier function

Note: Make sure water is added before turning on Cooling function. Unit cycles the water to blow cool, humidified air. Add ice/ice pack (not included) for added cooling.

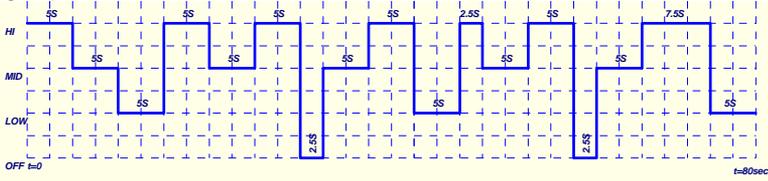


When water falls below the MIN mark, Cool/Humidifying function will

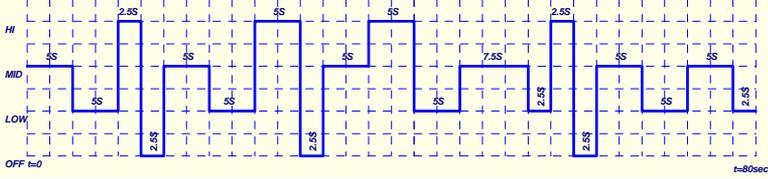
automatically shut off and the Evaporative cooling indicator (  ) will flash. Please turn off this function or add water. Once water is added, indicator will stop flashing and unit resumes Cool function.

## Natural Mode Schematics

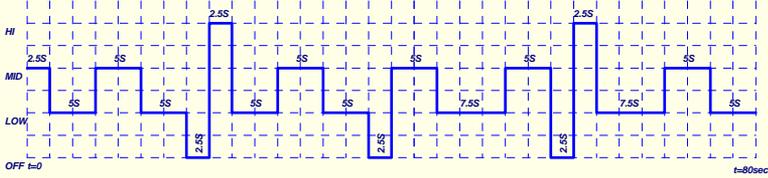
High speed:



Medium speed:

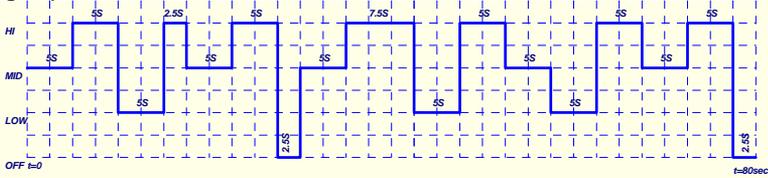


Low speed:

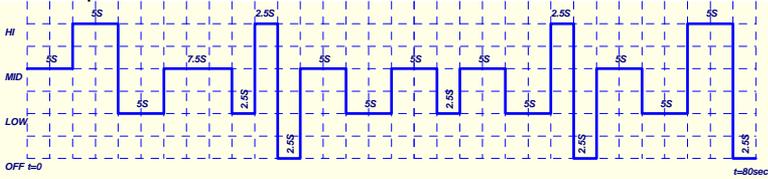


## Sleep Mode Schematics

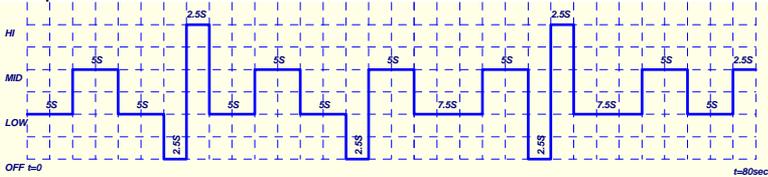
High speed:



Medium speed:



Low speed:



## **E. MAINTENANCE AND STORAGE**

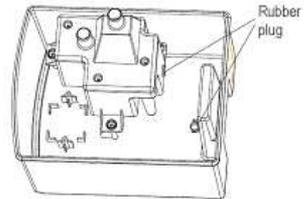
With use, the filter and honeycomb pad will become clogged with dust, which will greatly affect the unit's performance. Sometimes mold and mildew may also occur, due to lack of water changes. It is recommended to clean the filter and honeycomb pad once every two weeks.

1. Turn unit off and disconnect power.
2. Remove the screw of the rear cover.
3. Remove filter and honeycomb pad.
4. Wash the filter in a mild detergent and warm water solution and rinse with clean water.
5. Wash the honeycomb pad with clean water only. A soft brush can be used for cleaning.
6. Replace the honeycomb pad, filter and screw to fix the position.

The water tank should be cleaned periodically:

1. With unit powered off and unplugged.
2. Remove screws of the filter net and take out the filter and honeycomb pad.
3. Clean tank with brush or cloth.
4. There is a smaller water tank seated inside this main tank (for the humidifier). Unplug the rubber plug to both tanks to drain out dirty water.

Note: the water tank CANNOT be removed (due to tube connections), the image to the right is for reference of the rubber plugs only.

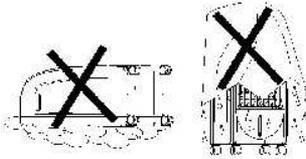


5. Replace both rubber plugs, honeycomb pad and filter.

Before putting unit away for storage, please clean filter and honey comb pad. Drain water from both the humidifier tank and the main water tank. Allow to dry completely before replacing. Then run the unit in fan only mode for 30 minutes to dry the inside. This will prevent mold and mildew growth.

## F. CAUTIONS

- Use correct power supply 120V / 60Hz. Plug into dedicated socket with minimum rating current of 3A.
- After filling with water, do not tilt unit and avoid moving unit. Do not cover the unit.



- Do not place any heavy objects on top of the air cooler.
- Do not obstruct the air outlet. Do not place any objects before or behind the unit, so not to obstruct air flow.
- Suitable ambient temperature range is 41°F to 104°F . Do not place unit in area of extremely high or low temperature. When ambient temperature is high, change water frequently to prevent mildew and mold growth. If using the unit as a humidifier during cold weather (below 32°F), be sure to empty and dry the surface of unit after use to prevent water freezing.
- Avoid exposing unit to water or spraying water onto the control panel LED. Do not use any corrosive cleaner or solvent.
- Empty the water tank before moving the air cooler.
- Before storage, please clean filter, honeycomb pad and drain both the humidifier water tank and the main tank. Allow to dry completely.
- Unplug power source when not in use.
- Do not use the cool function in a damp and closed space.
- Do not place fingers or insert foreign objects into the louver during operation.
- Do not operate unit with a damp power cord or plug. When the power cord is damaged, it must be replaced or repaired by a qualified electrician.
- Basic precautions should be taken when operating unit near young children.
- This appliance is not intended for use by person (including children) without operation knowledge or control ability, unless they have been given supervision. The person who operates this appliance is responsible for its safety and usage.
- Children should be supervised to ensure that they do not play with the appliance.
- Unplug the appliance before filling and cleaning.



## Your Guarantee

If this product is found to be faulty as a result of faulty materials or workmanship within one year from date of purchase, it will be repaired free of charge.

This guarantee is subject to the following terms:

- Sunpentown must be notified of the fault.
- Proof of purchase must be presented to Sunpentown's nominated representative.
- The warranty will be void if the product is modified, misused or repaired by an unauthorized person.
- The warranty after repair will not be extended beyond the original one-year period.
- All replacement parts will be new or reconditioned.
- Parts, which are replaced, become the property of Sunpentown.
- The warranty applies for the use of the product in the USA only.

### What is NOT COVERED:

- Warranty does not include freight charges.
- Damage due to installation error, product abuse and/or misuse.
- Incidental or consequential damage caused by possible defects with this product.
- Labor cost incurred for the installation and/or removal of a possible defective unit.
- Damage to product caused by improper power supply voltage, accident, fire, floods or acts of nature.
- Failure of product resulting from unauthorized modifications to the product.
- Improper installation or failure to perform the necessary maintenance.
- Normal wear and tear on parts or replacement of parts designed to be replaced.
- Damage to personal property from use of product.
- Replacement or repair of household fuses, circuit breakers, wiring or plumbing.

This GUARANTEE is in addition to your Statutory Rights

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