sunwins

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Super Cooler

Evaporation Techniques

Nature's most efficient means of cooling is through the evaporation of water.
Evaporative cooling works on the principle of heat absorption by moisture evaporation. It also happens on human skin, the body sweat to cool temperature down.

Techincal

The evaporative cooler produces effective cooling by combining the natural process water evaporation with a simple, reliable air moving system. Fresh outside air is filtered through the saturated evaporative media, cooled by evaporation, and circulated by a blower.

Features

- **Highest efficiency natural cooling by water evaporation**
  Evaporative coolers are cooling systems use only water and blower to circulate air. It is definitely perfect for outdoor cooling.
- **Higher quality standard**
  Water proof motor and water pump protection function against low water level.
- **Better accessories parts**
  Aluminum material cabinet motor, 100% copper wire, Long lifetime water pump, and high quality auto water inlet valve.
- **Unique designed float valve, available water pressure from 0 bar to 5.5bar.**
  The latest super cooler comes with more functions, includes auto swing, remote control, auto timing off and etc. These make things easier to manage.
- **More clean air and therefore healthier**
  The machine comes with optional auto clean function, however you need to change water every several hours.

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Advantages

- Low carbon green product, environmentally friendly, no CFC'S, no damage to the Ozone layer
- Super energysaving, only cost 1/10 electricity than air conditioner
- Less than 1/2 the price of air conditioning
- Vent cooling, no air re-circulation

Specifications

SP168

SP168

SP801

Item	SP168	SP801
Airflow	8000 m3/h	
Power	380W	
Fan type	Axial	
Speed	3	
Noise	=<57dB(A)	
Cover area	50-70 m3	
Water tank	57L	
Water consumption	8-10 L/h	
Power resource	1PH. 220V/50Hz	
Control type	LED + Remote	
Temperature display	Yes	
Humidity display	No	Yes
Ionizer	Yes	
Auto swing	Left/Right	
New weight	31kg	
Gross weight	34kg	
Dimension	800 x 480 x 1380 mm	
Pad size	(685 + 30) x 200 x 50 mm, (685 + 30) x 640 x 100 mm	
Packed size	810 x 490 x 1290 mm	
Loading quantity	55/132 pcs	
Water inlet	Auto / Manual	
Water drain	Manual	
Pre-dust filter	Yes	
Pump protection	Yes	

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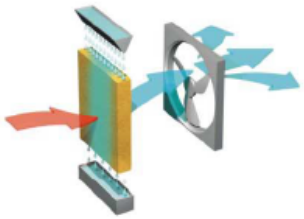
Compare to other cooling or ventilation devices

Type	Evaporative cooler	Refrigerative air con	Centrifugal fan	Ceiling fan
Capacity	18000cmh	400000BTU/hr	40000cmh	1400mm. Dia
Power	1.1kW	54kW	7.5kW	0.075kW
Cover area	1000sqm	1000sqm	1000sqm	1000sqm
Air change per hour	30	0	30	0
Units required	8	2	3	83
Total kw	8.8kW	108.0kW	22.5kW	6.2kW
Electricity cost per year (10hrs, 365 days)	32120kW·h	394200kW·h	82125kW·h	22721kW·h
Cost with reference to Refrigerative air con	8.15%	100%	20.83%	5.76%



Evaporative cooler is one of the longest history home appliance, even elder than air conditioner. It is called desert cooler in Middle East and also is called swamp cooler in US. The Frame of evaporative cooler is very simple. Water from the bottom pan of the unit is pumped to the top and allowed to flow down over the evaporation cooling pads of the spot cooler, evenly saturating the pads. Then, a powerful blower pulls air through the pads, forcing the water to evaporate which lowers the ambient temperature. The cooler air is then blown by the unit at a high velocity where you direct the cool air to go

Nature's most effiecient means of cooling is through the evaporation of water. Evaporative cooling works on the principle of heat absorption by moisture evaporation. It also happens on human skin, the body sweat and to cool temperature down. This process is same as you feel cooler when wind blowing from sea

SP evaporative cooler produces effective cooling by combining a natural process-water evaporation - with a simple, reliable air-moving system. Fresh outside air is filtered through the saturated evaporative media, cooled by evapration, and circulated by a blower

SP evaporative coolers are ideal for larger open areas. Cool large areas such as warehouses, sidelines at sporting events, greenhouses, shop areas, assembly areas. Evaporative cooling systems offer a low-cost alternative to air conditioning. Easy to set up in the wall, window and roof, not only provide cooling, but also provide good ventilation. They simply use an internal or external water source to provide cooling