

Portable Evaporative Cooling

Portable Evaporative Coolers from Schaefer

Evaporative coolers cool their surroundings by drawing warm air over wet pads where evaporation of the water from the pads cools the air by as much as 20 degrees* and then exhausting the cooled air at high speed.

Evaporative coolers serve the same purpose as compressed vapor portable air conditioners. Their key advantages over portable air conditioners are:

- very low purchase costs (20% - 50% of the cost for equivalent cooling capacity, depending on Schaefer model).
- very low energy consumption and operating costs (10% - 30% of the power requirements for equivalent cooling capacity, depending on Schaefer model).
- even the largest Schaefer evaporative coolers can be plugged into a standard 115V/15A circuit.
- simplicity.
- reliability.

Although evaporative coolers and portable air conditioners perform the same function, they have significant differences, including:

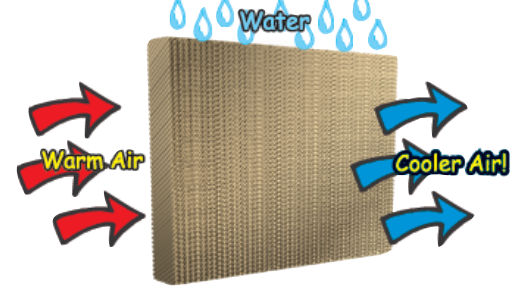
- evaporative cooler efficiency increases with increasing ambient temperature.
- evaporative cooler efficiency declines more rapidly with increasing relative humidity (RH).
- evaporative coolers cannot cool air below its wet bulb temperature.
- evaporative coolers add moisture to cooled air.
- evaporative coolers require makeup air to maintain cooling efficiency.
- evaporative coolers do not need to be vented externally.
- evaporative coolers consume water, and therefore need a source of water to evaporate.
- evaporative coolers do not condense water from the air and therefore do not need a drain or reservoir for the condensate.

Schaefer's line of portable evaporative coolers ranges from 1/3 HP WayCool® "Spot" evaporative cooler (approximately 18,000 BTUs or 1.5 tons of cooling capacity**) to the 42" Pro-Kool® "Area" evaporative cooler (approximately 162,000 BTUs or 13.5 tons of cooling capacity**). All Schaefer evaporative coolers have high cooling efficiency, high outlet air velocity, large on-board water reservoirs and the option of connecting the unit to a garden hose for continuous use. Options include unit size and capacity, model type (WayCool® spot coolers or Pro-Kool® area coolers) and in the case of WayCools, fixed or oscillating outputs.

*20°F of cooling at 90°F and 20% RH ambient conditions declines to 13°F of cooling at 90°F and 40% RH ambient conditions.

**At 90°F and 40% RH ambient conditions.

How Evaporative Cooling Works



Use portable evaporative coolers from Schaefer to cool almost any area—indoors or out!

- | | | | | |
|------------------------|---------------------|-------------------|----------------------|--------------------|
| • Outdoor dining | • Outdoor retail | • Sidelines | • Stadiums | • First Responders |
| • Factories | • Warehouses | • Outdoor tents | • Catering companies | • Dry cleaners |
| • Hotels and resorts | • Auto repair shops | • Workshops | • Construction sites | • Cruise ships |
| • Athletic events | • Youth athletics | • Movie locations | • Fairs | • Hangars |
| • Pools, patios, decks | • Amusement parks | • Golf courses | • Greenhouses | • Churches |

Evaporative Cooling



Spot cool your deck, patio or work area with high performance, environmentally friendly WayCool® evaporative coolers.



WC-1HPMFOSC
Spout oscillates 120°



WCG-1HPMF



WC-1HPMF360



**Keep your customers and employees
Way-Cool!**

Features & Benefits

- Blows cooled air in a high velocity, narrow stream to “spot cool” employees or customers.
- Approximately 50% the price of the equivalent capacity compressed vapor portable air conditioner.
- Approximately 25% the energy consumption and operating cost of the equivalent compressed vapor portable air conditioner.
- All models have large on-board water reservoirs and can be connected to a garden hose for continuous use.
- 1 Hp models come standard with an easy fill and water gauge.
- Aesthetically pleasing high impact ABS plastic housing with heavy-duty aluminum frame and base.
- All models have heavy-duty, maintenance free, 2-speed motors.
- Fixed or oscillating outputs available.
- Chemically treated cellulose evaporative pads for long pad life.
- 1 Hp dimensions: Base 33" x 33" x 52" tall. 24 gallon.
- 1/3 Hp dimensions: Base 25" x 25" x 42" tall. 14 gallon.
- Two-year limited warranty.
- Made in the USA.

Options Available:

- 1 Hp model available in gray or white (Excludes DHL model)
- Automatic pump shut-off kits (WC-ASOINSTALLED)
- Pneumatic wheels (WC-PWINSTALLED)
- Pads, water conditioner and cleaner products available. (See page 17)



Cool Air Anywhere!

Model	Description	Amps	CFM Hi-Lo	Velocity @ Outlet (mph)	Cooling** (Tons)	Cooling*** (Deg. F)
WC-1/3HP	1/3 Hp WayCool® evaporative cooler with fixed direction air flow	5.9/5.0	1560/1320	21/18	1.5	14°F
WC-1/3HP-OSC	1/3 Hp WayCool® evaporative cooler with oscillating air flow	5.9/5.0	1560/1320	21/18	1.5	14°F
WC-1HPMF	1 Hp WayCool® evaporative cooler with fixed direction air flow	10.4/5.8	3020/2040	27/19	4.0	20°F
WC-1HPMFOSC	1 Hp WayCool® evaporative cooler oscillating airflow	10.4/5.8	3020/2040	27/19	4.0	20°F
WC-1HPMF360	1 Hp WayCool® evaporative cooler with 360 degree air flow	10.4/5.8	2460/1660	26/18	4.0	20°F
WC-1HP-DHL	1 Hp WayCool® designated hazardous location evaporative cooler	10.4/5.8	3020/2040	27/19	4.0	20°F
VF-50	Versa-Filler™ water supply reservoir with 50 gallon tank	-	-	-	-	-

** Cooling in tons on Hi@90°F and 40% RH.
*** Temperature drop (inlet temp-outlet temp) @ 90°F and 20% RH.