

Air + Water

Energy Efficient Evaporative Cooling

Environmentally Friendly

The simple concept of mixing air and water produces powerful, energy efficient cooling that is both economical and environmentally friendly.

The Aerocool® Trophy Series™ by PMI combines worry-free operation and low maintenance with Industry leading advancements and reliability.



High Efficiency Evaporative Air Cooling

Available with High-Efficiency 8", 12" or 4x4 Rigid Media to provide reliable and efficient evaporative air cooling for your home.



U.L. Listed Models
also available

Versatility Reliability & Comfort

Your Family Deserves it.

Longevity and Low Maintenance

Utilizing single inlet design, the Trophy Series provides the ultimate protection available for the longevity of your cooler. Fully lined in a tough plastic shield, the all-metal construction of the wet module is protected from the damaging effects of typical deposits found in most water systems. High efficiency evaporative

cooling, low maintenance and long life of the Trophy Series makes this cooler your award winner.

Responding to your specific requirements, these units are available in three models: down, side and up discharge for concealed ground level applications.



Down Draft
(TD/HD Model)



Side Draft
(TH/HH Model)



Up Draft
(TUP/HUP Model)

Choosing the Right Model To Meet Your Needs

Choosing the right Aerocool Trophy Series model is important for proper operation. All Trophy air coolers use efficient Rigid Media and are available in three levels of cooling efficiency.

The Trophy Series air coolers are designed to operate at maximum efficiency with minimal maintenance. The Rigid Media gives the Trophy Series the ability to deliver colder air while reducing the time spent replacing standard aspen media.

8" Standard Rigid Media

The 8" media is a good economical choice for high efficiency cooling. It provides increased cooling performance over traditional aspen media pads.

12" Standard Rigid Media

The ultra-efficient 12" media is better choice where maximum cooling efficiency is required.

4x4 Hi Efficiency Rigid Media

The 4x4 Hi Efficiency Rigid Media is an 8" blend of high density media combined with standard density media. The result is a highly efficient rigid media that delivers colder air than any other home comfort evaporative cooler sold today.



Good
8" Rigid Media

- Economical choice
- Lower Replacement Cost



Better
12" Rigid Media

- Ultra efficient
- More surface area for better cooling

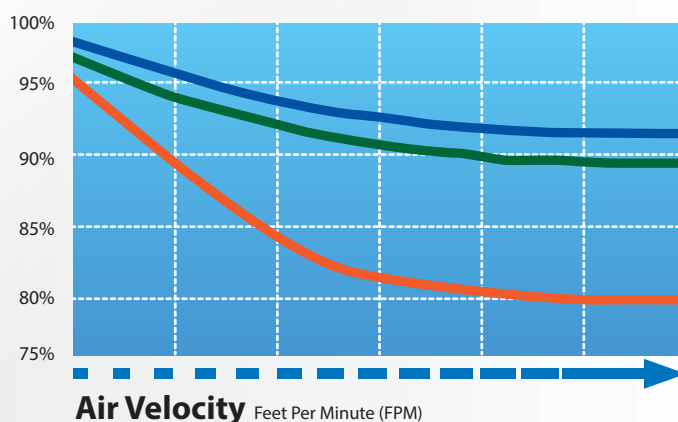


Best
4x4 Rigid Media

- Offers the best cooling efficiency
- Uses High-density media

Cooling Efficiency

4x4 Media	93% at peak FPM
12" Media	89% at peak FPM
8" Media	80% at peak FPM





1 High-Efficiency Rigid Media

The Aerocool® evaporative cooler beats the others cold — It's more efficient and less costly to operate. In fact, it is up to 13% more efficient than conventional coolers. Rigid media material provides cooler air and can last up to 10 times longer than old style aspen pads.



2 Pro-Armor

The polymeric inner structure completely shields the wet section from corrosive interaction, providing long life and worry free operation.

3 Low Sump Pump

The most powerful pump on the market today. US Patent #5,527,157

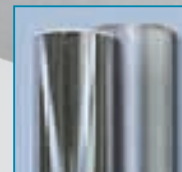
4 Easy Access Gravity-Held Doors

Easy to remove access doors reduce maintenance time.



5 MIRROSCOPIC™ Blower Shaft Finishing

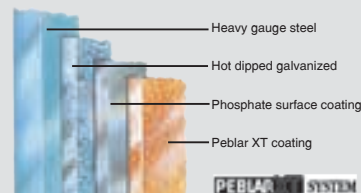
A PMI Exclusive, this polishing process for the blower shaft yields a 90% improvement over standard "ground finishes" and allows the bearing to spin on a smooth surface. This means quieter operation and longer bearing life for your cooler.



6

Peblar XT Protective Baked On Powder Coat

Our exclusive Peblar XT surface preparation is the highest quality architectural grade finish used in the industry. This durable, multi-layer bonded treatment protects your cooler against corrosion and assures years of reliable service.



Optional Accessories

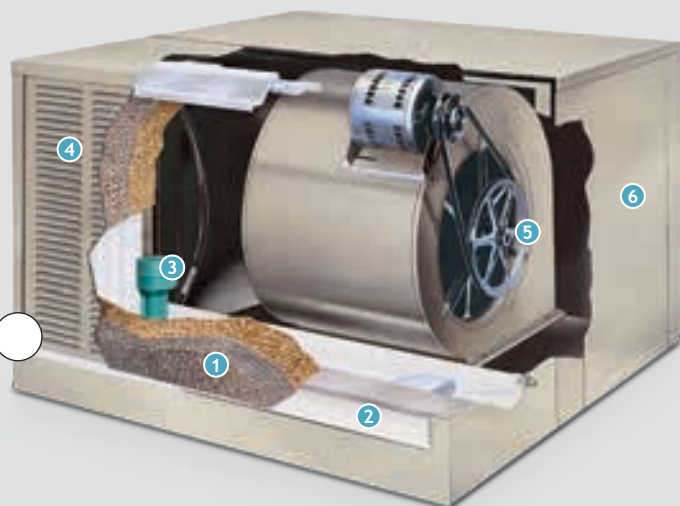
Pro-Shield

This weatherizing panel prohibits wind and cold from entering into your home during the off-season. Easy to install, media protection is also afforded thereby increasing the life of the unit.



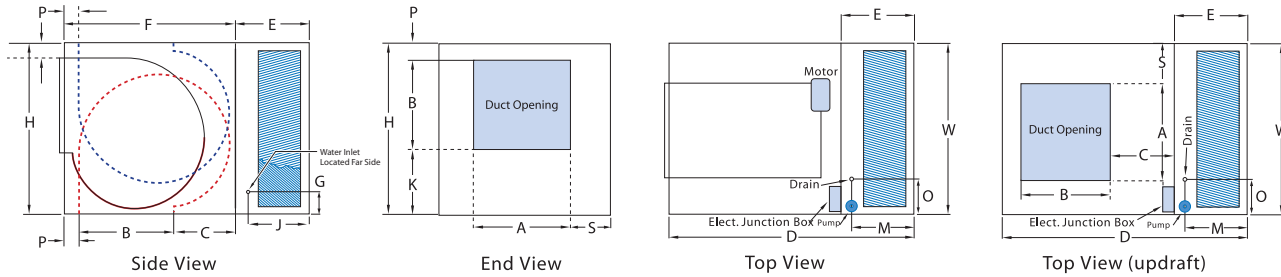
GreenPac Accessory Package

Go green with the PMI GreenPac accessory package. This package includes the energy saving Nth Degree Digital Thermostat, the water saving CustomClean Programmable drain cord controller with an extra drain pump.



AEROCOOL®
Trophy Series™

Trophy™ Series Evaporative Coolers:



Trophy Series Engineering Data

Media Type	Model Number	Cabinet			Duct Opening		Down	Side	E	F	Water Inlet		Drain		P	S	Ship Weight	Oper. Weight
		H	W	D	A	B	C	K			G	J	M	O				
8" Media	TD3800C	25 5/8	33 1/8	42 5/8	16	16	7 7/8		17	26	4 3/8	13 1/2	13 1/2	5 1/2	7 7/8	8 1/2	115	130
	TH3800C	25 5/8	33 1/8	42 5/8	16	16		1 7/8	17	26	4 3/8	13 1/2	13 1/2	5 1/2	7 7/8	8 1/2	115	130
	TD4801C	27 5/16	42	43	17 3/4	17 3/4	6 3/4		17	26	5 1/2	13 1/2	13 1/4	13	1 1/2	12 1/8	161	189
	TH4801C	27 5/16	42	43	17 3/4	17 3/4		8	17	26	5 1/2	13 1/2	13 1/4	13	1 1/2	12 1/8	161	189
	TH6801C	34 5/16	42	45	19 3/4	19 3/4		11 5/16	17	28	5 1/2	13 1/2	13 1/4	13	3 1/4	11 1/8	198	220
	TD6801C	34 5/16	42	45	19 3/4	19 3/4	6 3/4		17	28	5 1/2	13 1/2	13 1/4	13	1 1/2	11 1/8	198	220
	TUP6801C	34 5/16	42	45	19 3/4	19 3/4		11 5/16	17	28	5 1/2	13 1/2	13 1/4	13	1 1/2	11 1/8	198	220
12" Media	TD4812C	27 5/16	42	47	17 3/4	17 3/4	6 3/4		21	26	5 1/2	17 1/2	17 1/4	13	1 1/2	12 1/8	177	212
	TH4812C	27 5/16	42	47	17 3/4	17 3/4		8	21	26	5 1/2	17 1/2	17 1/4	13	1 1/2	12 1/8	177	212
	TH6812C	34 5/16	42	49	19 3/4	19 3/4		11 5/16	21	28	5 1/2	17 1/2	17 1/4	13	3 1/4	11 1/8	214	257
	TD6812C	34 5/16	42	49	19 3/4	19 3/4	6 3/4		21	28	5 1/2	17 1/2	17 1/4	13	1 1/2	11 1/8	214	257
	TUP6812C	34 5/16	42	49	19 3/4	19 3/4		11 5/16	21	28	5 1/2	17 1/2	17 1/4	13	1 1/2	11 1/8	214	257
4x4 Media	HH/HD 4801C	27 5/16	42	43	17 3/4	17 3/4	6 3/4		17	26	5 1/2	13 1/2	13 1/4	13	1 1/2	12 1/8	161	189
	HH/HD/HUP 6801C	34 5/16	42	45	19 3/4	19 3/4	6 3/4	11 5/16	17	28	5 1/2	13 1/2	13 1/4	13	3 1/4	11 1/8	198	220

Trophy Series

*All Models Include 120 V. Pumps. Motors Ship Separately

Media Type	Model Number	Indus. STD Rating*	Air Delivery CFM (Cubic Feet Per Minute)						Electrical Specifications			
			0.0"	0.1"	0.2"	0.3"	0.4"	0.5"	HP	Speed	Volts	Amps
8" Media	TD/TH 3800C	3800	2021	1939	1879	1711	1509	1203	1/3	2	120	7.4
	TD/TH 4801C	4400	3329	3035	2816	2623	2429	2235	1/2	2	120/240	9.0/5.3
	TD/TH 4801C	4800	3875	3619	3440	3286	3132	2978	3/4	2	120/240	11.5/6.0
	TD/TH/TUP 6801C	5800	4250	4125	4000	3850	3650	3425	3/4	2	120/240	11.5/6.0
	TD/TH/TUP 6801C	6800	4750	4600	4475	4375	4250	4050	1	2	120/240	13.3/6.9
12" Media	TD/TH 4812C	4400	2860	2790	2645	2350	2030	1890	1/2	2	120/240	9.9/5.9
	TD/TH 4812C	4800	3270	3220	3190	2940	2650	2350	3/4	2	120/240	12.4/6.6
	TD/TH/TUP 6812C	5800	4130	4000	3820	3630	3375	2740	3/4	2	120/240	12.4/6.6
	TD/TH/TUP 6812C	6800	4551	4440	4300	4080	3940	3680	1	2	120/240	14.2/7.6
4x4 Media	HH/HD 4801C	4800	3450	3200	3050	2950	2500	2310	3/4	2	120/240	11.5/6.0
	HH/HD/HUP 6801C	6800	4430	4310	4135	3990	3695	3460	1	2	120/240	13.3/6.9



When specifying U.L. Listed models, add a "U" prefix to the front of the model number. These models require the use of PMI supplied motor kits and pumps.

Example: **U**TD4801

AEROCOOL® Evaporative Coolers and components are designed and tested in accordance with one or more of the following standards or agencies. **AIR DELIVERY** - data published derived from tests conducted in accordance with A.M.C.A. (Air Movement and Control Assoc.) standard 210. **EVAPORATIVE MEDIA** - Specially Corrugated Cellulose Materials, impregnated with insoluble antirrot salts and regidifying saturants. **SEALANT** - water immersion per ASTM D870. **FLEXIBILITY** - per ASTM D756. **CORROSION RESISTANCE** - per ASTM B117. **PENCIL HARDNESS** - per ASTM D3363. **IMPACT RESISTANCE** - per D2794. **FLEXIBILITY** - per ASTM D522. **SURFACE BURNING CHARACTERISTICS** of building materials (best rating) per UL 723 and ASTM E-84. **PUMPS** recognized under UL standard #778 for operating water pumps with thermal overload and locked rotor protection. **POLYMERIC MATERIALS** listed in accordance with UL 94 and 746C. **MOTORS** recognized under UL component standard #1004 for motor certification. **MOTORS** tested under UL standard #547 for locked rotor and heat rise protection.

Phoenix Manufacturing, Inc. produces this equipment, with pride and craftsmanship, in the **U.S.A.** As a leader in our country's evaporative cooler industry, we continuously strive to offer product improvements and reserve the right to change specifications and designs without notice.

* Industry Standard Rating represents a numeric index for use in comparing units of different manufacturers

Phoenix Manufacturing Inc.
3655 East Roeser Road
Phoenix, Arizona 85040

Phone: 602-437-1034
Fax: 602-437-4833



evapcool.com