

Allred's Inc. Evaporative Cooler Selection Guide

Phoenix Manufacturing, Inc. Frigiking Residential

DOWN DRAFT MODELS (FD) / SIDE DRAFT MODELS (FS)						
Model	CFM Rating	CFM (0" S.P.)	Motor Option	Motor Detail	Cubic Ft.	Duct Size
FD/FS 350	3000	2180	*PHO MK21	1/3 HP 1-Speed 115V	6600	16"
	3000/2000		DIA 2537	1/3 HP 2-Speed 115V		
FD/FS 450	4000	3130	*PHO MK21	1/3 HP 1-Speed 115V	8000	17-7/8"
	4000/2665		DIA 2537	1/3 HP 2-Speed 115V		
	4500	3660	*PHO MK31	1/2 HP 1-Speed 115V	9000	
	4500/3000		DIA 2548	1/2 HP 2-Speed 115V		
FD/FS 650	5500	4130	*PHO MK31	1/2 HP 1-Speed 115V	11000	19-7/8"
	5500/3365		DIA 2548	1/2 HP 2-Speed 115V		
	6500	4710	DIA 2205	3/4 HP 1-Speed 115V	13000	
	6500/4330		DIA 2569	3/4 HP 2-Speed 115V		

Phoenix Manufacturing, Inc. Trophy Series Residential

DOWN DRAFT MODELS						
Model	CFM Rating	CFM (0" S.P.)	Motor Option	Motor Detail	Cubic Ft.	Duct Size
TD4801C	4400	3329	DIA 2548	1/2 HP 2-Speed 115V	9000	17-3/4"
	4800	3875	DIA 2569	3/4 HP 2-Speed 115V		
TD6801C	5800	4250	DIA 2569	3/4 HP 2-Speed 115V	12000	17-3/4"
	6800	4750	DIA 2393	1 HP 2-Speed 115V		
			DIA 2394	1 HP 2-Speed 230V		

Choosing the Right Cooler:

FEATURE:	TROPHY	FRIGIKING
Rigid Media	Yes	No
Media Efficiency	80% or 90%	70%-80%
Thermostat Control	No - Optional	No - Optional
Cleaning System	No - Optional	No - Optional
Winterization System	No - Optional	FD Only
Motor Included	No - Optional	No - Optional
Cabinet Sizes	2	3
Updraft Models	Yes	No
Reservoir Capacity	4 Gallons	6-15 Gallons
Plastic Lined Reservoir	Yes	No
Low Sump Pump	Yes	Yes
Mirro Scopio Shaft	Yes	Yes
Balanced Blower Wheel	Yes	Yes

Phoenix Manufacturing

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Factory Representative

A & B Sales Agency

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Littleton CO 80123
Phone: (303) 781-7308
Fax: (303) 781-7368

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Common Installation & Maintenance Products:

Part #	Description
DIA 4154	1/4" Brass Compression Float Valve
DIA 4164	3/8" Heavy-Duty Bronze Compression Float Valve
DIA 4218	Plastic Pump Basket (8"L x 6"W x 3-1/2"H)
DIA 4502	Universal Water Distributor Kit
DIA 5255	Fresh Air Bar (Neutralizes Odors)
DIA 5328	Cooler Coating Aerosol 20 oz.
DIA 6645	3/4" High-Rise Pillow Block Bearing
DIA 6651	1" High-Rise Pillow Block Bearing
DIA 6679	1-3/16" Light Industrial Pillow Block Bearing
DIA 6684	3/4" Spider Bearing with 9" Arms
DIA 6686	1" Spider Bearing with 9" Arms
DIA 9230	Brass Cooler Drain
DIA 9240	Nylon Drain/Overflow Kit
DIA 9251	Brass Sill Cock
DIA 9271	1/4" Self-Piercing Saddle Valve
DIA 9272	1/4" Non-Piercing Saddle Valve
DIA 9302	1/4" Brass Compression Sleeve
DIA 9309	3/8" Brass Compression Sleeve
DIA 9315	1/4" Brass Compression Nut
DIA 9321	3/8" Brass Compression Nut
DIA 9326	1/4" Brass Compression Union
DIA 9334	3/8" Brass Compression Union
DIA 9438	1/4"cc x 1/8" MPT Angle Needle Valve
GEN CWT14	1/4" x 50' Copper Water Tubing
GEN CWT38	3/8" x 50' Copper Water Tubing
VAN RXF0	1/4" Vanguard Poly Tubing
GEN ACR2024	20" x 24' Aspen Cooler Roll
GEN ACR2424	24" x 24' Aspen Cooler Roll
GEN ACR2824	28" x 24' Aspen Cooler Roll
GEN ACR3024	30" x 24' Aspen Cooler Roll
GEN ACR3624	36" x 24' Aspen Cooler Roll
DIA 7110	2-Speed Cooler Wall Switch
RES 7150	36" x 20' CoolPad (Green Honeycomb)
DIA 3095	36" Dura-Cool Pad (Blue Foam; Sold by the Foot)
DIA 1018	4,500-9,500 CFM 115V Pump (UL7500T-LL)
DIA 1023	10,000-21,000 CFM 115V Pump (UL21000T-LL)
DIA 1024	10,000-21,000 CFM 230V Pump (UL21000T-2LL)
DIA 1542	230V Power-Clean Purge Pump Kit
DIA 7705	115V Electrical Junction Box
DIA 7708	230V Electrical Junction Box
DIA 7805	Round Corner Cooler Leg Kit
DIA 7637X	6-Way Plastic Grille

*Non stock item, can be special ordered. Contact an Allred's sales representative for more information.

Model numbers, specifications, and descriptions are subject to change at any time. Always use manufacturer specifications and instructions when sizing, purchasing, and installing any evaporative cooler. Revised April 2014.

Phoenix Manufacturing, Inc. Commercial Coolers (Values Rated at .0" Static Pressure)

DOWN DRAFT MODELS (D) / SIDE DRAFT MODELS (H)

Model	CFM (.0" SP)	Motor Option	HP	Speeds	Motor Voltage	Phase	Shaft	Sheave/Pulley (.0" SP)	Pump	Float	Bleed Off (GPH)	Cabinet Dimensions
D/H 8801	5480	*PHO M161	3/4	1	115/208-230V	1	5/8	*PHO S1 or PHO S2	DIA 1018 (115V)	DIA 4164 (3/8")	3.8	41" W 41" D 52" H (21-3/4")
	6030	PHO M165	1	1	115/208-230V	1	5/8					
	7230	PHO M169A	1-1/2	1	115/208-230V	1	5/8	PHO S2 or PHO S3				
	7958	PHO M172A	2	1	115/208-230V	1	5/8	PHO S2A or PHO S3A				
		PHO M173B	2	1	230/460V	3	7/8					
9110	PHO M176C	3	1	230/460V	3	1-1/8	PHO S4B					
DOWN DRAFT MODELS												
D 1425	8675	PHO M165	1	1	115/208-230V	1	5/8	PHO S2	DIA 1018 (115V)	DIA 4164 (3/8")	3.8	52" W 52" D 52" H (26-3/4")
	9930	PHO M169A	1-1/2	1	115/208-230V	1	5/8	PHO S2 or PHO S3				
	10930	PHO M172A	2	1	115/208-230V	1	5/8	PHO S2A or PHO S3A				
		PHO M173B	2	1	230/460V	3	7/8					
	12511	PHO M176C	3	1	230/460V	3	1-1/8	PHO S4B	DIA 1023 (115V) or DIA 1024 (230V)		DIA 4164 (3/8")	
D 2231	13131	PHO M169A	1-1/2	1	115/208-230V	1	5/8	PHO S5A				
	14453	PHO M172A	2	1	115/208-230V	1	5/8	PHO S5A or *PHO S6A				
		PHO M173B	2	1	230/460V	3	7/8	PHO S5 or PHO S6				
	16545	PHO M176C	3	1	230/460V	3	1-1/8	PHO S7				
	19616	PHO M178C	5	1	230/460V	3	1-1/8	PHO S7 or PHO S8				
22454	PHO M182B	7-1/2	1	230/460V	3	1-3/8	*PHO S8C					
SIDE DRAFT MODELS												
H 1425	8616	PHO M165	1	1	115/208-230V	1	5/8	PHO S2	DIA 1018 (115V)	DIA 4164 (3/8")	3.8	52" W 52" D 52" H (26-3/4")
	9862	PHO M169A	1-1/2	1	115/208-230V	1	5/8	PHO S2 or PHO S3				
	10855	PHO M172A	2	1	115/208-230V	1	5/8	PHO S2A or PHO S3A				
		PHO M173B	2	1	230/460V	3	7/8					
	12426	PHO M176C	3	1	230/460V	3	1-1/8	PHO S4B	DIA 1023 (115V) or DIA 1024 (230V)		DIA 4164 (3/8")	
H 2231	13466	PHO M169A	1-1/2	1	115/208-230V	1	5/8	PHO S5A				
	14821	PHO M172A	2	1	115/208-230V	1	5/8	PHO S5A or *PHO S6A				
		PHO M173B	2	1	230/460V	3	7/8	PHO S5 or PHO S6				
	16966	PHO M176C	3	1	230/460V	3	1-1/8	PHO S7				
	20115	PHO M178C	5	1	230/460V	3	1-1/8	PHO S8				

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.0" Static Pressure: Will vary in different systems, sheaves/pulleys listed on this sheet are rated for .0" SP. Please refer to Phoenix Manufacturing, Inc. documentation for more accurate information.

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