

Evaporative Cooler Selection Guide

*Revision June 2026

Residential Pheonix Manufacturing Frigiking Install						
FD (down draft) FS (side draft)						
Model	CFM Rating	CFM (0" S.P.)	Motor	Motor Detail	Cubic FT	Duct Size
FD/FS 350	2000/3000	2180	2537	1/3 HP 2 Speed 115V	10000	16"
FD/FS 450	2665/4000	3130	2537	1/3 HP 2 Speed 115V	15000	
	3000/4500	3660	2548	1/2 HP 2 Speed 115V	18000	17-7/8"
FD/FS 650	3365/5500	4130	2548	1/2 HP 2 Speed 115V	20500	
	6500	4710	2205	3/4 HP 1 Speed 115V	23500	19-7/8"

Building Sizing for CFM determination: Length x Width x H x .2 (take height from cooler outlet)

Residential Trophy Series Residential						
Down Draft						
Model	CFM Rating	CFM (0 S.P.)	Motor	Motor Detail	Cubic FT	Duct Size
TD4801C	4400	3329	2548	1/2 HP 2 Speed 115V	16500	17-3/4"
TD6801C	6800	4250	2393	1 HP 2 Speed 115V	19000	16-3/4"
	6800	4750	2394	1 HP 2 Speed 230V		

CHOSING A COOLER		
	Trophy	Frigiking
Rigid Media	Yes	No
Media Efficiency	80 - 90 %	70 - 80 %
Thermostat Control	No-Option	No-Option
Cleaning System	No-Option	No-Option
Winterization System	No-Option	No-Option
Motor Included	No-Option	No-Option
Cabinet Sizes	3	3
Updraft Models	Yes	No
Reservoir Capacity	4 Gallons	6-15 Gallons
Plastic Lined Reservoir	Yes	No
Low Sump Pump	Yes	Yes
Micro Scopic Shaft	Yes	Yes
Balanced Power	Yes	Yes

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*Model numbers, specs, and descriptions are subject to change.

*Pulley/sheaves listed are for .0" SP. Refer to Pheonix Documenation for more accurate info.

Common Parts

Pumps	
1016	4500-9,500 CFM 115V
1023	10000-21,000 CFM 155V
1024	10000-21,000 CFM 230V
1400	15000-25,000 CFM 115V
1402	15000-25,000 CFM 230V
1541	120V Power Clean Purge Kit
1543	230V Power Clean Purge Kit
Motors	
2189	3/4 HP 230V 2 Speed
2205	3/4 HP 115V 1 Speed
2393	1 HP 115V 2 Speed
2394	1 HP 230V 2 Speed
2537	1/3 HP 115V 2 Speed
2548	1/2 HP 115V 2 Speed
2569	3/4 HP 115V 2 Speed
26005	1 HP 115/208-230V 1 Phase
2601	1 1/2HP 115/208-230V 1 Phase
2602	2 HP 115/208-230V 1 Phase
2605	2 HP 230/460V 3 Phase
2606	3 HP 230/460V 3 Phase
2607	5 HP 230/460V 3 Phase
2608	7 1/2 HP 230/460V 3 Phase
2724	56Z Standard Base
Pulley	
61763	7/8"x3.75" Pulley (1VP40)
61782	5/8"x4.75" Pulley (1VP50)
61784	1 1/8"x4.75" Pulley (1VP50)
61834	1 1/8"x4.75" Pulley (2VP50)
61864	1 1/8"x6" Pulley (2VP60)
61865	1 3/8"x5.95" Pulley (2VP62)
61875	1 3/8"x6.5" Pulley (2VP65)
6309	3/4"x7" Pulley

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Commercial D (down draft) H (side draft)												
Model	CFM	Motor	HP	Speeds	Motor Voltage	Phase	Shaft	Sheave/Pulley	Pump	Float	Bleed Off	Cabinet
D8801 H8801	6030	26005	1	1	115/208-230V	1	5/8"	S2	1018 (115V)	4164 (3/8")	3.8	41"W 41"D 52"H 21 3/4" Duct
	7230	2601	1.5	1	115/208-230V	1	5/8"	S2 or S3			6.2	
	7958	2602	2	1	115/208-230V	1	5/8"					
		2605	2	1	230-460V	3	7/8"	61763 or S3A				
	9110	2606	3	1	230-460V	3	1 1/8"	61784				
Commercial D models downdraft												
Model	CFM	Motor	HP	Speeds	Motor Voltage	Phase	Shaft	Sheave/Pulley	Pump	Float	Bleed Off	Cabinet
D1425	8675	26005	1	1	115/208-230V	1	5/8"	S2	1018 (115V)	4164 (3/8")	3.8	52"W 52"D 52"H 26 3/4"
	9930	2601	1.5	1	115/208-230V	1	5/8"	S2 or S3	1023 (115V) or 1024 (230v)		6.2	
	10930	2602	2	1	115/208-230V	1	5/8"					
		2605	2	1	230-460V	3	7/8"	61763 or S3A				
	12511	2606	3	1	230-460V	3	1 1/8"	61784				
D2231	13131	2601	1.5	1	115/208-230V	1	5/8"	S5A	1023 (115V) or 1024 (230v)	4164 (3/8")		6.2
	14453	2602	2	1	115/208-230V	1	5/8"					
		2605	2	1	230-460V	3	7/8"	unkown				
	16545	2606	3	1	230-460V	3	1 1/8"	61834				
	19616	2607	5	1	230-460V	3	1 1/8"					
22454	2608	7.5	1	230-460V	3	1 3/8"	unkown					
Commercial Pheonix Manufacturing Frigiking - Down Draft												
Model	CFM	Motor	HP	Speeds	Motor Voltage	Phase	Shaft	Sheave/Pulley	Pump	Float	Bleed Off	Cabinet
H1425	8616	26005	1	1	115/208-230V	1	5/8"	S2	1018 (115V)	4164 (3/8")	3.8	52"W 52"D 52"H (26 3/4" DUCT)
	9862	2601	1.5	1	115/208-230V	1	5/8"	S2 or S3	1023 (115V) or 1024 (230v)		6.2	
	10855	2602	2	1	115/208-230V	1	5/8"					
		2605	2	1	230-460V	3	7/8"	67163 S3				
	12426	2606	3	1	230-460V	3	1 1/8"	61784				
H2231	13466	2601	1.5	1	115/208-230V	1	5/8"	S5A	1023 (115V) or 1024 (230v)	4164 (3/8")		6.2
	14821	2602	2	1	115/208-230V	1	5/8"					
		2605	2	1	230-460V	3	7/8"	unkown				
	16966	2606	3	1	230-460V	3	1 1/8"	61834				
20115	2607	5	1	230-460V	3	1 1/8"						

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Duct	
CD1312	COOLER DUCT 13-1/2"x1.5'
CD1534	COOLER DUCT 15-3/4"x1.5'
CD1712	COOLER DUCT 17-1/2"x1.5'
CD1912	COOLER DUCT 19-1/2"x1.5'
CDEC1312	COOLER DUCT END CAP 13-1/2"
CDEC1712	COOLER DUCT END CAP 17-1/2"
CDEC1912	COOLER DUCT END CAP 19-1/2"

Water Parts	
9230	Brass Cooler Drain
9236	3 1/2" Thread Overflow Pipe
9240	Nylon Drain/Overflow Kit
9251	Brass Sill Cock
9268	1/4" Self-Piercing Saddle Valve
9302	1/4" Brass Compression Sleeve
9309	3/8" Brass Compression Sleeve
9313	1/4" Brass Compression Nut
9321	3/8" Brass Compression Nut
9328	1/4" Brass Compression Union
9334	3/8" Brass Compression Union
9377	1/4" Brass Compression Union (Male)
9395	1/4" Brass Compression Tee
9406	1/4" Compression Needle Valve
9436	1/4" cc x 1/8" MPT Angle Needle
9443	1/8"x1/3" Angle Ball Valve
9512	1/4" Brass Delrin Sleeve
9533	1/4" Brass Compression Union (Speedfit)

Media	
3095	36" Dura-Cool Pad (Blue Foam)
3437	Cooler Media Kit 23"x40"x8"
3438	Cooler Media Kit 40"x28"x8"
3439	Pad for Aerocool 6800 40"x30"x8"
3440	Cooler Media Kit 41.25"x22.25"x8"
3441	Cooler Media Kit 41.5"x29"x8"
3453	Cooler Media Kit 28"x40"x12"
ACR2024	aspen roll 20" x 24'
ACR2424	aspen roll 24" x 24'
ACR2824	aspen roll 28" x 24'
ACR3024	aspen roll 30" x 24'
ACR3624	aspen roll 36" x 24'
Motor Mounting	
2724	56Z Standard Motor Base
6713	3/4"x21" Cooler Shaft
6716	3/4"x24" Cooler Shaft
6645	3/4" High-Rise Pillow Block Bearing
6651	1" High-Rise Pillow Block Bearing
6679	1 3/16" Light Pillow Block Bearing
6684	3/4" Spider Bearing with 9" Arms
6686	1" Spider Bearing with 9" Arms
Electrical	
7545	Cooler Motor Cord
7579	36" Molded Plug w/ Cord
7584	Rceptical 115/230V 2 Speed
7587	Cooler Pump Recepticle

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Floats	
4154	1/4" Brass Comp Float Valve
4164	3/8" Heavy-Duty Bronze Float Valve
Common Parts	
4218	Pump Basket (8"Lx6"Wx3 1/2"H)
CWT14	1/4" x 50' Copper Tubing
CWT38	3/8" x 50' Copper Tubing
4321	Poly Tubing 1/4" x100'
4502	Univ Water Dstrbtor Kit
4637	18 1/2" Water Tube
7805	Round Corner Cooler Leg Kit
7616	2 Gang Wall Plate for Digital Stat
7617	115V Digital Cooler T stat
7110	2 Speed Cooler Wall Switch
Duct	
GCL23	COOLER LEG 2" X 3 FT
7637X	6 - Way Plastic Grill
7610	Up-Dux
CD1912	COOLER DUCT 19-1/2"x1.5'

Evaporative Motors - Provided by Dial



Evap Replcmnt Parts - Provided by Phoenix

