

# SPECIFICATIONS & SUBMITTAL DATA

**FEATURES:**

- Heavy gauge galvanized steel cabinet
- Electrostatically applied Polyester resin powder paint finish
- Drawn pans on 75/85SD & 95SD units
- Sealed pans on 10/12SD & 14/21SD units
- Chem treated adjustable water troughs in pad frames
- Greater air flow
- Made in the U.S.A.



**MODELS**

**10/12 SD**  
**14/21 SD**

\_\_\_\_\_

Project

\_\_\_\_\_

Location

\_\_\_\_\_

Architect

\_\_\_\_\_

Engineer

\_\_\_\_\_

Contractor

\_\_\_\_\_

Submitted By \_\_\_\_\_ Date \_\_\_\_\_

**MODELS**

**75/85 SD**  
**95 SD**



Ref. No.	Cooler Model No.	Qty.	CFM	Static Pressure	Motor	HP	Speed	Volts	Phase	Sheave	Pump	Qty.	Volts
1													
2													
3													
4													
5													
6													
7													
8													
9													

**Notes**

\_\_\_\_\_

\_\_\_\_\_

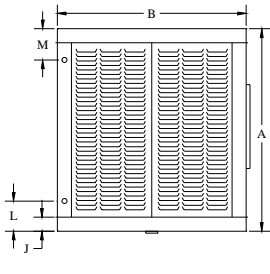
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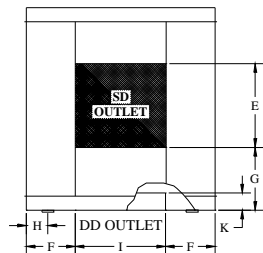
**CHAMPION COOLER**  
5800 Murray, Little Rock, AR 72209  
1-800-643-8341  
info@championcooler.com

10/12 & 14/21 UNITS

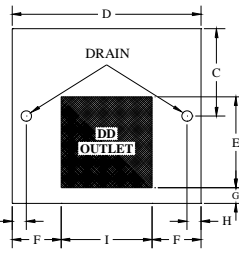
75/85 & 95 UNITS



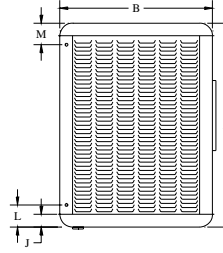
SIDE VIEW



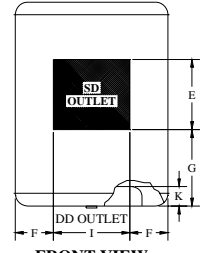
FRONT VIEW



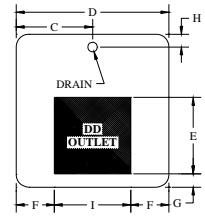
BOTTOM VIEW



SIDE VIEW



FRONT VIEW



BOTTOM VIEW

DIMENSIONAL DATA\*

MODEL NO.	CABINET			ELECT.	DUCT				DRAIN		WATER SERVICE	J	K	
	A	B	D		M	OPENING		LOCATION		LOCATION				
						E	I	G	F	H				C
75/85 SD & 95 SD	53 5/8	41-1/4	41-1/4	4-1/2	21-3/4	21-3/4	17	9-3/4	8-1/2	16-1/2	5-7/8	4		
10/12 SD	53 5/8	50	50	7-9/16	26-7/8	26-7/8	20-1/2	11-9/16	4	25	7-9/16	4		
14/21 SD	61 1/4	62	62	7-9/16	31-3/4	31-3/4	22-1/2	15-1/8	4	31	7-9/16	4		

\* All Measurements in inches.

SIDE DISCHARGE			PERFORMANCE Certified Air Delivery At .1" Increments Of External Static Pressure (Inches Static Pressure Water Gauge)																							
MODEL NO.	B.H.P.	OPER. WGT.	0"		0.1"		0.2"		0.3"		0.4"		0.5"		0.6"		0.7"		0.8"		0.9"		1.0"			
			CFM	RPM	CFM	RPM	CFM	RPM	CFM	RPM	CFM	RPM	CFM	RPM	CFM	RPM	CFM	RPM	CFM	RPM	CFM	RPM	CFM	RPM		
75/85 SD	3/4	450	5905	317	5670	330	5405	342	5110	355	4795	369	4456	385	4089	403	3705	425	3302	451	3882	480				
	1	456	6498	349	6289	360	6054	372	5799	383	5523	395	5233	408	4922	422	4592	439	4245	458	3882	480				
95 SD	1 1/2	466	6868	420	6724	424	6572	429	6411	436	6246	443	6071	452	5885	463	5683	474	5464	487	5227	501	4965	516		
	2	470	7558	462	7429	466	7291	470	7148	475	7002	482	6850	489	6688	497	6522	507	6345	517	6156	528	5952	540		
10/12 SD	1	719	8567	261	8052	275	7595	287	7140	299	6659	313	6132	328	5557	346	6805	382	6274	399						
	1 1/2	729	9807	299	9347	311	8939	322	8544	332	8144	343	7729	354	7282	367	6805	382	6274	399						
14/21 SD	2	733	10794	329	10374	340	9994	350	9630	360	9269	369	8908	379	8522	390	8130	401	7704	414	7250	429	6753	445		
	1 1/2	1040	12386	226	11713	237	11083	247	10451	257	9785	267	9067	279	8284	294	7427	311	8557	334	7758	351				
	2	1044	13633	249	13016	259	12439	268	11868	277	11281	286	10674	296	10025	307	9313	320	8557	334	7758	351				
	3	1083	15606	285	15063	294	14551	302	14050	310	13553	318	13042	325	12522	334	11969	343	11390	353	10777	364	10133	376		
	5	1087	18502	338	18044	346	17598	353	17167	360	16749	366	16334	372	15906	379	15478	386	15035	393	14581	400	14115	408		
	1 1/2	1040	12386	226	11713	237	11083	247	10451	257	9785	267	9067	279	8284	294	7427	311	8557	334	7758	351				
	2	1044	13633	249	13016	259	12439	268	11868	277	11281	286	10674	296	10025	307	9313	320	8557	334	7758	351				
	3	1083	15606	285	15063	294	14551	302	14050	310	13553	318	13042	325	12522	334	11969	343	11390	353	10777	364	10133	376		
	5	1087	18502	338	18044	346	17598	353	17167	360	16749	366	16334	372	15906	379	15478	386	15035	393	14581	400	14115	408		

Performance shown is for installation type B - Free inlet, Ducted outlet. Power rating (BHP) does not include drive losses.

SHEAVE SELECTION

H.P.	BORE	75/85 SD	95 SD	10/12 SD	14/21 SD
3/4	1/2	110279-002 (Static < 0.6)	-	-	-
3/4	1/2	110279-004 (Static > 0.3)	-	-	-
3/4	5/8	110308 (Static < 0.6)	-	-	-
3/4	5/8	110279-003 (Static > 0.3)	-	-	-
1	5/8	110279-003 (Static < 0.8)	-	110308	-
1	5/8	110306-1 (Static > 0.6)	-	-	-
1	7/8	110302 (Static < 0.8)	-	110309	-
1	7/8	110299 (Static > 0.6)	-	-	-
1 1/2	5/8	-	110279-003 (Static < 0.6)	110279-003 (Static < 0.5)	110286
1 1/2	5/8	-	110306-1 (Static > 0.2)	110306-1 (Static > 0.3)	-
1 1/2	7/8	-	110302 (Static < 0.6)	110302 (Static < 0.5)	110290
1 1/2	7/8	-	110299 (Static > 0.2)	110299 (Static > 0.3)	-
2	5/8	-	110306-1	110306-1 (Static < 0.8)	110286 (Static > 0.6)
2	5/8	-	-	-	110285 (Static < 0.3)
2	7/8	-	110299	110299 (Static < 0.8)	110290 (Static > 0.6)
2	7/8	-	-	110307-1 (Static > 0.6)	110289 (Static < 0.3)
3	1 1/8	-	-	-	110291
5	1 1/8	-	-	-	110291 (Static < 0.4)
5	1 1/8	-	-	-	110304-1 (Static > 0.1)

MOTOR SPECIFICATIONS

BLOWER MOTORS		VOLTS	PHASE	MOTOR AMPS*	SHAFT DIA.	MOTOR WGT(LB)	MOTOR PART NO.	BLOWER MOTORS		VOLTS	PHASE	MOTOR AMPS*	SHAFT DIA.	MOTOR WGT(LB)	MOTOR PART NO.
H.P.	SPEED							H.P.	SPEED						
3/4	1	115/208-230	1	13.8-7.6-6.9	5/8	24	110455	2	1	208-230/460	3	7.5-6.8/3.4	7/8	44	110464-9
3/4	2	230	1	6.9	1/2	21	110480	3	1	208-230/460	3	10.6-9.6/4.8	1 1/8	83	110465-9
3/4	1	208-230/460	3	3.5-3.2/1.6	5/8	20	110461	5	1	230/460	3	15.2/7.6	1 1/8	87	110466-9
1	1	115/230	1	16/8	5/8	28	110457								
1	2	230	1	8	5/8	29	110458								
1	1	208-230/460	3	4.6-4.2/2.1	7/8	34	110462-9								
1 1/2	1	115/208-230	1	20/11-10	5/8	41	110459-1								
1 1/2	1	208-230/460	3	6.6-6/3	7/8	40	110463-9								
2	1	115/208-230	1	24/13.2-12	5/8	50	110460-1								

PUMP PART NO.	VOLTS	AMPS	WATTS	GPM (5FT. HEAD)
† 110467-1	115	1.2	73	3.8
† 110468-1	230	.8	77	3.8
‡ 110467	115	1.0	73	4.6
‡ 110468	230	0.58	77	4.6

\* Amperage shown is from National Electrical Code. Use amperage shown on motor nameplate to determine motor protector.

† Pump for 75/85 & 95 units  
‡ Pump for 10/12 & 14/21 units