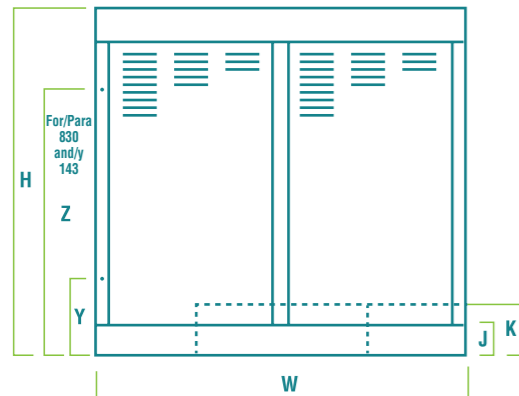
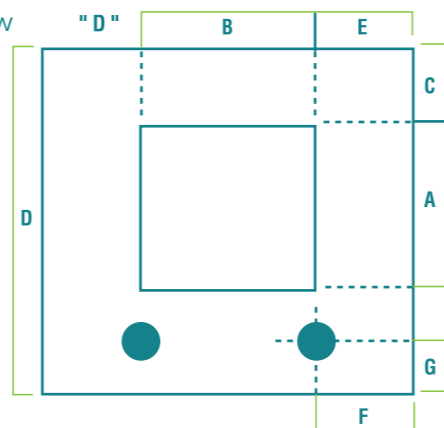


DIMENSIONS & SPECIFICATIONS

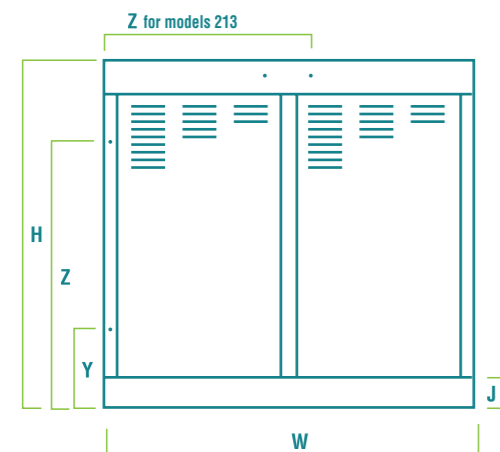
Side View



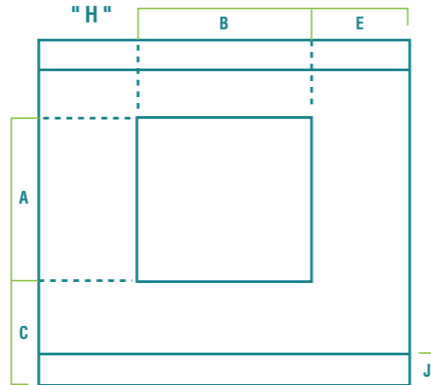
Bottom View



Side View



Front View



DIMENSIONS

Models	Cabinet			Duct Location				Drain Loc.		Bottom Pan		Water Service K.O.	Electric Service Loc.	Pads No/Ht/Wd	Blower Wheel Dia/Wd/Shaft	Weight Lbs.	
	H	W	D	A	B	C	E	F	G	J	K					Shipping	Operating
D88*	53 ^{1/2}	41 ^{1/4}	41 ^{1/4}	21 ^{3/4}	21 ^{3/4}	15 ^{7/8}	9 ^{3/4}	20 ^{5/8}	7 ^{1/2}	3 ^{5/8}	-	7	42 ^{1/2}	12/24/17	21/20/1	270	604
S88*	53 ^{1/2}	41 ^{1/4}	41 ^{1/4}	21 ^{3/4}	21 ^{3/4}	4 ^{1/2}	9 ^{3/4}	20 ^{5/8}	7 ^{1/2}	3 ^{5/8}	6 ^{1/2}	7	42 ^{1/2}	16/24/17	21/20/1	285	625
SID14	53 ^{3/4}	50	50	26 ^{7/8}	26 ^{7/8}	16 ^{1/2}	11 ^{1/2}	10	6 ^{1/2}	3 ^{1/2}	-	7	46 ^{3/4}	12/22/24	24/24/1 ^{3/16}	400	808
SIS14	53 ^{3/4}	50	50	26 ^{7/8}	26 ^{7/8}	5 ^{3/4}	11 ^{1/2}	10	6 ^{1/2}	3 ^{1/2}	7 ^{3/4}	7	46 ^{3/4}	12/22/24	24/24/1 ^{3/16}	420	825
SID23	61 ^{1/4}	62	62	31 ^{3/4}	31 ^{3/4}	22	15	7 ^{3/4}	4 ^{5/8}	3 ^{1/2}	-	5	33	12/28/28	28/28/1 ^{3/16}	600	1213
SIS23	61 ^{1/4}	62	62	31 ^{3/4}	31 ^{3/4}	8 ^{1/8}	15	7 ^{3/4}	4 ^{5/8}	3 ^{1/2}	9 ^{1/4}	5	33	16/28/28	28/28/1 ^{3/16}	620	1240

* These models have a single drain.
 1. Side/Down discharge weights shown. Shipping weight is cabinet and carton. Operating weight variance determined by motor and water capacity at 31/2 in. level.
 2. Water knock-out is clearance for running 1/4" tubing.
 3. Units have 7/8" knock-out for running electrical service.
 4. Drain is 3/4" male hose thread.

Symphony follows a policy of product improvement, we reserve the right to change specifications and design without notice.
 Symphony, 11001 n. 24th avenue, Suite 601, Phoenix, AZ 85029, USA
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COST EFFECTIVE AIR COOLING SOLUTIONS
 TO SATISFY YOUR ENGINEERED REQUIREMENTS

- NATURAL ASPEN MEDIA**
for economical cooling
- GALVANIZED POWDER COATED STEEL CABINET**
for durability
- PRECISION BALANCED BLOWER WHEEL**
for quiet vibration free operation
- SOLID SHAFT**
for durability and noise reduction
- VARIABLE MOTOR SHEAVES**
for adjustable air volume control

• AVAILABLE IN DOWN OR SIDE DISCHARGE MODELS

5 YEAR LIMITED WARRANTY

INDUSTRIAL PUMP PROVIDES YEARS OF SERVICE



CERTIFIED AIR DELIVERY CFM AT VARIOUS EXTERNAL STATIC PRESSURES

Inches Water Gauge. AMCA Licensed Ratings.

Model	BHP	Pulley & Belt Kit	Belt Information Qty.	0 CFM	0 RPM	2 CFM	2 RPM	5 CFM	5 RPM	7 CFM	.7 RPM	1.0 CFM	1.0 RPM
D88	¾	RF050044	1 A77	5420	335	5120	351	4220	399	3140	457	1800	536
	1	RF050044	1 A77	5960	369	5740	381	4960	422	4260	459	2780	544
	1½	RF050044	1 A77	6830	422	6630	433	6060	463	5560	489	4470	548
	2	RF050044	1 A77	7510	465	7330	474	6870	499	6500	520	5770	558
S88	¾	RF050044	1 A77	5450	327	4990	354	3950	401	2760	462	1540	520
	1	RF050044	1 A77	6000	360	5600	384	4740	424	3890	463	2420	536
	1½	RF050044	1 A77	6700	400	5660	433	5890	405	5280	492	3990	554
	2	RF050044	1 A77	6700	400	6700	442	6680	501	6280	521	5380	561
SID14	1	RF050121	1 A91	7920	270	7210	292	5880	337	4920	372	3060	450
	1½	RF050121	1 A91	9070	309	8460	328	3650	366	6560	392	5080	446
	2	RF050121	1 A91	9980	340	9450	356	8480	390	7750	414	6630	452
	3	RF050047	1 AX92	11420	389	10990	402	10170	430	9590	451	8600	483
SIS14	1	RF050121	1 A91	7760	277	7040	289	5790	342	4480	389	3090	453
	1½	RF050121	1 A91	8770	317	8280	334	7210	370	5460	397	4700	462
	2	RF050121	1 A91	9250	325	9230	363	8300	395	7620	419	6300	466
SID23	1½	RF050047	1 AX92	11470	246	10570	262	8940	293	7550	320	4600	388
	2	RF050047	1 AX92	12620	270	11850	284	10410	312	9330	333	6900	384
	3	RF050116	2 A95	14450	310	13850	320	12550	344	11700	361	10290	390
	5	RF050116	2 A95	17130	367	16720	374	15600	395	14890	408	13800	429
SIS23	1½	RF050047	1 AX92	11440	245	10430	263	8730	295	7250	326	4680	388
	2	RF050047	1 AX92	12590	270	11670	286	10190	315	9070	337	6330	396
	3	RF050047	1 AX92	14000	295	13600	323	12330	346	11450	364	9900	394
	5	RF050116	1 A95	14000	295	14000	330	14000	375	14000	400	13510	433

Shaded Areas:  Do not exceed listed RPM, water entrainment may result.  NOT RECOMMENDED

PUMP SPECIFICATIONS

Pump Model	Use in Cooler	Volts	Amps	Watts	GPM
RF041246	D88/S88	120	0.8	44	2.45
RF041574	D88/S88	240	0.4	44	2.45
RF041681	SIS/SID14/23	120	1.2	80	5
RF041680	SIS/SID14/23	240	0.6	80	5

Note: Pumps are available in 120 volt and 240 volt models. As a result, transforming or separate circuiting may be required for other voltages.

AIR CHANGES CALCULATION

- Determine the area to be cooled in cubic feet.
- Considering the average local climate, determine the minutes required to change the local air to be cooled, according to the Air Changes chart.
- To determine the cubic feet per minute (CFM's) divide the volume by the minutes required to change the air.
- On the certified air delivery table, select the equipment needed.

AIR CHANGES	
Average Climate	Minutes Required
• Moderate dry	2
• Warm dry	1 1/2
• Warm semi-dry/	1
• Tropical	2/3

SHEAVE SELECTION

Motor HP	Shape Desc.	Bore Diam..	Blower RPM / Sheave Turns Open												
Part #			5	4 ½	4	3 ½	3	2 ½	2	1 ½	1	½	0	Package #	
D88/S88 Single Phase Motor Blower RPM @ 1725 Motor RPM / Sheave Turns Open															
¾, 1	1VL40	5/8	296	308	320	333	345	357	370	382	394	407	419	RF050096	
¾, 1	1VL44	5/8	345	357	370	382	394	407	419	431	444	456	468	RF050112	
1½, 2	1VL44	7/8	345	357	370	382	394	407	419	431	444	456	468	RF050111	
¾, 1	1VP50	5/8	419	431	444	456	468	481	493	506	518	530	542	RF050181	
1½, 2	1VP50	5/8	419	431	444	456	468	481	493	506	518	530	542	RF050138	
1½, 2	1VP56	5/8	493	506	518	530	542	554	567	579	591	604	616	RF050183	
D88/S88 Three Phase Motor Blower RPM @ 1750 Motor RPM / Sheave Turns Open															
¾	1VL40	5/8	303	316	329	341	354	366	379	392	404	417	430	RF050096	
1	1VL40	7/8	303	316	329	341	354	366	379	392	404	417	430	RF050184	
1, 1½, 2	1VL44	7/8	354	366	379	392	404	417	430	442	455	468	480	RF050111	
¾	1VP50	5/8	430	442	455	468	480	493	505	518	531	543	556	RF050181	
1, 1½, 2	1VP50	7/8	430	442	455	468	480	493	505	518	531	543	556	RF050138	
1½, 2	1VP56	7/8	505	518	531	543	556	569	581	594	606	619	632	RF050183	
3	1VP56	1 1/8	505	518	531	543	556	569	581	594	606	619	632	RF050187	
SID14/SIS14 Three Phase Motor Blower RPM @ 1750 Motor RPM / Sheave Turns Open															
1, 1½, 2	1VL44	7/8	272	282	292	301	311	321	331	340	350	360	369	RF050111	
1, 1½, 2	1VP50	7/8	331	340	350	360	369	379	389	399	408	418	428	RF050138	
1, 1½, 2	1VP56	7/8	389	399	408	418	428	438	447	457	467	476	486	RF050183	
3	1VP56	1 1/8	389	399	408	418	428	438	447	457	467	476	486	RF050187	
SID23/SIS23 Three Phase Motor Blower RPM @ 1750 Motor RPM / Sheave Turns Open															
1½, 2	1VL40	7/8	233	243	253	263	272	282	292	301	311	321	331	RF050184	
1½, 2	1VL44	7/8	272	282	292	301	311	321	331	340	350	360	369	RF050111	
3	1VL44	1 1/8	272	282	292	301	311	321	331	340	350	360	369	RF050139	
1½, 2	1VP50	7/8	331	340	350	360	369	379	389	399	408	418	428	RF050138	
3	1VP50	1 1/8	331	340	350	360	369	379	389	399	408	418	428	RF050180	
3, 5	2VP42	1 1/8	253	263	272	282	292	301	311	321	331	340	350	RF050118	
3, 5	2VP50	1 1/8	331	340	350	360	369	379	389	399	408	418	428	RF050828	
5	2VP60	1 1/8	408	418	428	438	447	457	467	476	486	496	506	RF050829	
7½	2VP60	1 3/8	408	418	428	438	447	457	467	476	486	496	506	RF050120	

- Single phase motors for Models SID14/SIS14 and SID23/SIS23 are available upon request.

ELECTRICAL SPECIFICATIONS

HP	Speed	Phase	Voltage	Amps	NEMA Frame	Shaft Diameter	Motor Kit #
3/4	1	1	115/230	12.5/6.2	56	5/8	RF030060
3/4	2	1	230	5.9	56	5/8	RF030062
3/4	1	3	208-230/460	3.0/1.5	56	5/8	RF030118
1	1	1	115/230	15.1/7.5	56	5/8	RF030061
1	2	1	230	7.3	56	5/8	RF030063
1	1	3	208-230/460	3.6/1.7	143T	7/8	RF030067
1-1/2	1	1	115/230	14.5/6.3	143T	7/8	RF030064
1-1/2	1	3	208-230/460	4.6/2.2	145T	7/8	RF030068
2	1	1	115/230	19.0/8.5	143T	7/8	RF030065
2	1	3	208-230/460	7.1/3.3	145T	7/8	RF030069
3	1	3	208-230/460	8.7-8.4/4.2	182T	1-1/8	RF030116
5	1	3	208-230/460	14.2-13.0/6.5	184T	1-1/8	RF030066
7-1/2	1	3	208-230/460	20.9-19.2/9.6	213T	1-1/8	RF030117

- Amperage from National Electric Code.
- See nameplate on actual motor for amperage in figuring overload protector.