

# SRC-4SW-3R

# 240V

COOLING Capacity																				
Unit Size	Water Flow (l/sec)	W.P.D (kPa)	Entering Air Condition DB=24.0°C WB=17.8°C (55%)									Entering Air Condition DB=26.0°C WB=19.5°C (55%)								
			Entering Water Temperature									Entering Water Temperature								
			5°C			7°C			9°C			5°C			7°C			9°C		
			SH (kW)	TH (kW)	ΔWT (°C)	SH (kW)	TH (kW)	ΔWT (°C)	SH (kW)	TH (kW)	ΔWT (°C)	SH (kW)	TH (kW)	ΔWT (°C)	SH (kW)	TH (kW)	ΔWT (°C)	SH (kW)	TH (kW)	ΔWT (°C)
300	0.05	0.8	1.22	1.47	7.0	1.11	1.30	6.2	1.01	1.13	5.4	1.31	1.67	8.0	1.19	1.50	7.2	1.08	1.32	6.3
	0.10	2.8	1.61	2.07	4.9	1.46	1.82	4.4	1.31	1.57	3.8	1.73	2.36	5.7	1.58	2.12	5.1	1.43	1.86	4.5
	0.15	5.6	1.78	2.38	3.8	1.61	2.10	3.3	1.45	1.80	2.9	1.93	2.73	4.4	1.75	2.45	3.9	1.59	2.15	3.4
	0.20	9.2	1.88	2.58	3.1	1.69	2.27	2.7	1.52	1.94	2.3	2.03	2.97	3.6	1.85	2.66	3.2	1.67	2.33	2.8
400	0.10	3.9	2.15	2.80	6.7	1.95	2.47	5.9	1.76	2.13	5.1	2.32	3.20	7.7	2.11	2.87	6.9	1.91	2.53	6.0
	0.15	8.0	2.40	3.25	5.2	2.17	2.86	4.6	1.95	2.46	3.9	2.59	3.72	5.9	2.36	3.33	5.3	2.13	2.93	4.7
	0.20	13.1	2.53	3.54	4.2	2.29	3.11	3.7	2.06	2.67	3.2	2.74	4.06	4.9	2.49	3.63	4.3	2.25	3.19	3.8
	0.25	19.3	2.62	3.74	3.6	2.36	3.29	3.1	2.12	2.82	2.7	2.83	4.30	4.1	2.58	3.85	3.7	2.33	3.38	3.2
600	0.10	4.6	2.66	3.42	8.2	2.41	3.02	7.2	2.18	2.60	6.2	2.86	3.90	9.3	2.60	3.49	8.4	2.36	3.08	7.4
	0.15	9.3	3.01	4.03	6.4	2.73	3.55	5.7	2.46	3.05	4.9	3.25	4.61	7.3	2.96	4.13	6.6	2.68	3.63	5.8
	0.20	15.2	3.22	4.43	5.3	2.91	3.90	4.7	2.62	3.35	4.0	3.47	5.08	6.1	3.16	4.55	5.4	2.86	3.99	4.8
	0.30	30.7	3.44	4.94	3.9	3.11	4.34	3.5	2.79	3.72	3.0	3.72	5.68	4.5	3.39	5.08	4.1	3.06	4.46	3.6
800	0.15	12.0	3.62	4.88	7.8	3.27	4.30	6.9	2.95	3.70	5.9	3.90	5.58	8.9	3.55	5.00	8.0	3.22	4.40	7.0
	0.20	19.7	3.89	5.40	6.5	3.51	4.75	5.7	3.16	4.08	4.9	4.20	6.19	7.4	3.82	5.54	6.6	3.46	4.87	5.8
	0.25	29.0	4.06	5.78	5.5	3.67	5.08	4.9	3.30	4.36	4.2	4.40	6.64	6.3	4.00	5.94	5.7	3.62	5.21	5.0
	0.30	39.7	4.19	6.07	4.8	3.78	5.34	4.3	3.39	4.57	3.6	4.54	6.98	5.6	4.13	6.25	5.0	3.73	5.48	4.4
1000	0.20	3.4	4.45	5.67	6.8	4.04	5.01	6.0	3.65	4.32	5.2	4.78	6.47	7.7	4.36	5.81	6.9	3.96	5.11	6.1
	0.30	6.9	5.01	6.64	5.3	4.53	5.85	4.7	4.08	5.03	4.0	5.40	7.60	6.1	4.92	6.81	5.4	4.45	5.98	4.8
	0.40	11.3	5.32	7.26	4.3	4.81	6.39	3.8	4.33	5.48	3.3	5.75	8.33	5.0	5.23	7.46	4.5	4.73	6.55	3.9
	0.50	16.6	5.52	7.71	3.7	4.99	6.78	3.2	4.48	5.81	2.8	5.97	8.86	4.2	5.43	7.93	3.8	4.91	6.96	3.3
1200	0.20	4.0	5.18	6.59	7.9	4.70	5.82	7.0	4.25	5.02	6.0	5.56	7.51	9.0	5.07	6.73	8.0	4.60	5.93	7.1
	0.30	8.1	5.87	7.77	6.2	5.32	6.85	5.5	4.79	5.89	4.7	6.32	8.89	7.1	5.76	7.96	6.3	5.22	7.00	5.6
	0.40	13.2	6.27	8.54	5.1	5.67	7.52	4.5	5.11	6.46	3.9	6.77	9.80	5.9	6.16	8.77	5.2	5.58	7.71	4.6
	0.50	19.5	6.53	9.10	4.4	5.90	8.01	3.8	5.31	6.87	3.3	7.06	10.45	5.0	6.43	9.36	4.5	5.81	8.22	3.9
1400	0.20	4.4	5.80	7.34	8.8	5.26	6.49	7.8	4.77	5.60	6.7	6.22	8.36	10.0	5.67	7.50	9.0	5.15	6.61	7.9
	0.30	8.9	6.64	8.74	7.0	6.01	7.70	6.1	5.43	6.64	5.3	7.15	9.98	8.0	6.51	8.95	7.1	5.90	7.87	6.3
	0.40	14.7	7.14	9.66	5.8	6.46	8.51	5.1	5.81	7.32	4.4	7.70	11.07	6.6	7.01	9.92	5.9	6.35	8.72	5.2
	0.55	25.4	7.58	10.61	4.6	6.85	9.34	4.1	6.16	8.01	3.5	8.20	12.18	5.3	7.46	10.91	4.7	6.75	9.58	4.2

HEATING Capacity																						
Unit Size	Water Flow (l/sec)	W.P.D (kPa)	Entering Air Condition DB=20.0°C										Entering Air Condition DB=22.0°C									
			Entering Water Temperature										Entering Water Temperature									
			40°C		50°C		60°C		70°C		80°C		40°C		50°C		60°C		70°C		80°C	
			TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)	TH (kW)	ΔWT (°C)
300	0.05	0.8	1.87	9.0	2.81	13.4	3.74	17.9	4.68	22.4	5.62	26.9	1.68	8.1	2.62	12.5	3.55	17.0	4.49	21.5	5.43	26.0
	0.10	2.8	2.12	5.1	3.19	7.6	4.25	10.2	5.32	12.7	6.38	15.3	1.91	4.6	2.98	7.1	4.04	9.7	5.11	12.2	6.17	14.8
	0.15	5.6	2.23	3.6	3.35	5.3	4.47	7.1	5.59	8.9	6.71	10.7	2.01	3.2	3.13	5.0	4.25	6.8	5.36	8.6	6.48	10.3
	0.20	9.2	2.29	2.7	3.44	4.1	4.59	5.5	5.74	6.9	6.89	8.2	2.06	2.5	3.21	3.8	4.36	5.2	5.51	6.6	6.66	8.0
400	0.10	3.9	2.84	6.8	4.26	10.2	5.68	13.6	7.10	17.0	8.53	20.4	2.55	6.1	3.98	9.5	5.40	12.9	6.82	16.3	8.24	19.7
	0.15	8.0	3.02	4.8	4.54	7.2	6.05	9.7	7.57	12.1	9.08	14.5	2.72	4.3	4.24	6.8	5.75	9.2	7.27	11.6	8.78	14.0
	0.20	13.1	3.13	3.7	4.70	5.6	6.27	7.5	7.84	9.4	9.40	11.2	2.82	3.4	4.39	5.2	5.95	7.1	7.52	9.0	9.09	10.9
	0.25	19.3	3.20	3.1	4.80	4.6	6.41	6.1	8.01	7.7	9.61	9.2	2.88	2.8	4.48	4.3	6.09	5.8	7.69	7.4	9.29	8.9
600	0.10	4.6	3.52	8.4	5.29	12.6	7.05	16.9	8.81	21.1	10.58	25.3	3.17	7.6	4.93	11.8	6.70	16.0	8.46	20.2	10.23	24.4
	0.15	9.3	3.81	6.1	5.72	9.1	7.63	12.2	9.53	15.2	11.44	18.2	3.43	5.5	5.34	8.5	7.25	11.5	9.15	14.6	11.06	17.6
	0.20	15.2	3.98	4.8	5.97	7.1	7.96	9.5	9.95	11.9	11.95	14.3	3.58	4.3	5.57	6.7	7.56	9.0	9.55	11.4	11.55	13.8
	0.30	30.7	4.17	3.3	6.26	5.0	8.34	6.6	10.43	8.3	12.52	10.0	3.75	3.0	5.84	4.7	7.93	6.3	10.01	8.0	12.10	9.6
800	0.15	12.0	4.55	7.3	6.83	10.9	9.11	14.5	11.38	18.1	13.66	21.8	4.09	6.5	6.37	10.2	8.65	13.8	10.93	17.4	13.20	21.0
	0.20	19.7	4.78	5.7	7.18	8.6	9.57	11.4	11.97	14.3	14.36	17.2	4.31	5.1	6.70	8.0	9.10	10.9	11.49	13.7	13.88	16.6
	0.25	29.0	4.94	4.7	7.41	7.1	9.89	9.5	12.36	11.8	14.83	14.2	4.45	4.3	6.92	6.6	9.39	9.0	11.86	11.3	14.34	13.7
	0.30	39.7	5.05	4.0	7.58	6.0	10.11	8.1	12.64	10.1	15.17	12.1	4.55	3.6	7.08	5.6	9.60	7.7	12.13	9.7	14.66	11.7
1000	0.20	3.4	5.91	7.1	8.86	10.6	11.82	14.1	14.78	17.7	17.73	21.2	5.32	6.4	8.27	9.9	11.23	13.4	14.19	16.9	17.14	20.5
	0.30	6.9	6.32	5.0	9.48	7.6	12.64	10.1	15.80	12.6	18.96	15.1	5.68	4.5	8.84	7.0	12.00	9.6	15.17	12.1	18.33	14.6
	0.40	11.3	6.55	3.9	9.83	5.9	13.11	7.8	16.39	9.8	19.66	11.7	5.90	3.5	9.17	5.5	12.45	7.4	15.73	9.4	19.01	11.4
	0.50	16.6	6.71	3.2	10.06	4.8	13.42	6.4	16.77	8.0	20.13	9.6	6.04	2.9	9.39	4.5	12.75	6.1	16.10	7.7	19.46	9.3
1200	0.20	4.0	6.88	8.2	10.33	12.3	13.77	16.5	17.22	20.6	20.66	24.7	6.19	7.4	9.64	11.5	13.08	15.6	16.53	19.7	19.97	23.9
	0.30	8.1	7.44	5.9	11.16	8.9	14.88	11.8	18.60	14.8	22.32	17.8	6.69	5.3	10.41	8.3	14.13	11.3	17.85	14.2	21.57	17.2
	0.40	13.2	7.76	4.6	11.64	7.0	15.52	9.3	19.40	11.6	23.28	13.9	6.98	4.2	10.86	6.5	14.74	8.8	18.62	11.1	22.50	13.4
	0.50	19.5	7.97	3.8	11.96	5.7	15.95	7.6	19.93	9.5	23.92	11.4	7.17	3.4	11.16	5.3	15.15	7.2	19.14	9.1	23.12	11.1
1400	0.20	4.4	7.73	9.2	11.60	13.9	15.47	18.5	19.34	23.1	23.21	27.7	6.96	8.3	10.83	12.9	14.70	17.6	18.57	22.2	22.44	26.8
	0.30	8.9	8.43	6.7	12.65	10.1	16.87	13.4	21.09	16.8	25.30	20.2	7.59	6.0	11.81	9.4	16.02	12.8	20.24	16.1	24.46	19.5
	0.40	14.7	8.84	5.3	13.27	7.9	17.69	10.6	22.11	13.2	26.54	15.9	7.96	4.8	12.38	7.4	16.80	10.0	21.23	12.7	25.65	15.3
	0.55	25.4	9.22	4.0	13.84	6.0	18.45	8.0	23.07	10.0	27.68	12.0	8.30	3.6	12.92	5.6	17.53	7.6	22.14	9.6	26.76	11.6

Note: To obtain accurate air volume and cooling/heating capacities, refer to pages 44-59