

SRC-4SW-4R

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	0.5	1.23	1.52	7.3	1.12	1.34	6.4	1.01	1.16	5.6	1.32	1.73	8.3	1.20	1.55	7.4	1.09	1.37	6.6
	0.10	1.7	1.65	2.18	5.2	1.49	1.92	4.6	1.34	1.65	3.9	1.78	2.49	6.0	1.62	2.23	5.3	1.46	1.96	4.7
	0.15	3.4	1.83	2.53	4.0	1.66	2.22	3.5	1.49	1.90	3.0	1.98	2.90	4.6	1.81	2.60	4.1	1.63	2.28	3.6
	0.20	5.6	1.94	2.75	3.3	1.75	2.42	2.9	1.57	2.07	2.5	2.10	3.17	3.8	1.91	2.83	3.4	1.72	2.48	3.0
400	0.10	2.4	2.15	2.89	6.9	1.95	2.55	6.1	1.76	2.19	5.2	2.31	3.31	7.9	2.11	2.96	7.1	1.91	2.61	6.2
	0.15	4.8	2.40	3.36	5.4	2.17	2.96	4.7	1.95	2.54	4.1	2.59	3.86	6.2	2.36	3.46	5.5	2.13	3.03	4.8
	0.20	8.0	2.54	3.67	4.4	2.29	3.23	3.9	2.06	2.76	3.3	2.74	4.22	5.0	2.50	3.78	4.5	2.26	3.31	4.0
	0.25	11.7	2.62	3.89	3.7	2.37	3.42	3.3	2.12	2.92	2.8	2.84	4.47	4.3	2.58	4.00	3.8	2.34	3.51	3.4
600	0.10	2.8	2.68	3.55	8.5	2.43	3.13	7.5	2.19	2.70	6.5	2.88	4.05	9.7	2.62	3.63	8.7	2.38	3.20	7.6
	0.15	5.6	3.05	4.21	6.7	2.76	3.71	5.9	2.48	3.18	5.1	3.29	4.82	7.7	2.99	4.32	6.9	2.71	3.80	6.1
	0.20	9.3	3.26	4.64	5.6	2.95	4.09	4.9	2.65	3.50	4.2	3.53	5.33	6.4	3.21	4.77	5.7	2.90	4.19	5.0
	0.30	18.7	3.50	5.20	4.1	3.16	4.57	3.6	2.83	3.91	3.1	3.79	5.99	4.8	3.45	5.36	4.3	3.11	4.70	3.7
800	0.15	7.3	3.77	5.23	8.3	3.41	4.60	7.3	3.07	3.96	6.3	4.06	5.98	9.5	3.70	5.36	8.5	3.35	4.71	7.5
	0.20	12.0	4.07	5.82	7.0	3.68	5.12	6.1	3.31	4.39	5.2	4.40	6.67	8.0	4.00	5.98	7.1	3.62	5.25	6.3
	0.25	17.6	4.27	6.25	6.0	3.86	5.50	5.3	3.46	4.71	4.5	4.62	7.18	6.9	4.21	6.43	6.2	3.80	5.64	5.4
	0.30	24.1	4.41	6.59	5.3	3.98	5.79	4.6	3.57	4.95	3.9	4.78	7.58	6.0	4.35	6.79	5.4	3.93	5.95	4.7
1000	0.20	2.1	4.50	5.92	7.1	4.08	5.22	6.2	3.68	4.50	5.4	4.85	6.76	8.1	4.42	6.06	7.2	4.01	5.34	6.4
	0.30	4.2	5.09	6.97	5.6	4.61	6.14	4.9	4.15	5.27	4.2	5.50	8.00	6.4	5.01	7.16	5.7	4.53	6.29	5.0
	0.40	6.9	5.43	7.66	4.6	4.91	6.74	4.0	4.41	5.77	3.5	5.87	8.80	5.3	5.35	7.88	4.7	4.83	6.91	4.1
	0.50	10.1	5.64	8.15	3.9	5.10	7.17	3.4	4.57	6.13	2.9	6.11	9.38	4.5	5.56	8.39	4.0	5.03	7.36	3.5
1200	0.20	2.4	5.37	7.01	8.4	4.87	6.19	7.4	4.40	5.34	6.4	5.77	7.99	9.6	5.26	7.17	8.6	4.77	6.32	7.5
	0.30	4.9	6.15	8.36	6.7	5.57	7.37	5.9	5.02	6.34	5.0	6.63	9.57	7.6	6.04	8.57	6.8	5.47	7.54	6.0
	0.40	8.1	6.61	9.26	5.5	5.98	8.15	4.9	5.37	6.99	4.2	7.13	10.61	6.3	6.50	9.51	5.7	5.88	8.35	5.0
	0.50	11.8	6.90	9.90	4.7	6.24	8.71	4.2	5.60	7.47	3.6	7.47	11.38	5.4	6.79	10.18	4.9	6.15	8.94	4.3
1400	0.20	2.7	5.89	7.68	9.2	5.35	6.78	8.1	4.83	5.85	7.0	6.33	8.75	10.5	5.77	7.85	9.4	5.24	6.92	8.3
	0.30	5.4	6.80	9.22	7.3	6.15	8.13	6.5	5.55	6.99	5.6	7.32	10.55	8.4	6.67	9.45	7.5	6.04	8.31	6.6
	0.40	8.9	7.33	10.25	6.1	6.63	9.03	5.4	5.97	7.75	4.6	7.92	11.76	7.0	7.21	10.53	6.3	6.53	9.25	5.5
	0.55	15.5	7.82	11.32	4.9	7.07	9.95	4.3	6.34	8.52	3.7	8.46	13.00	5.6	7.70	11.64	5.1	6.96	10.21	4.4

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	0.5	1.96	9.4	2.94	14.1	3.93	18.8	4.91	23.5	5.89	28.2	1.76	8.5	2.75	13.2	3.73	17.8	4.71	22.5	5.70	27.2
	0.10	1.7	2.24	5.4	3.36	8.0	4.48	10.7	5.60	13.4	6.72	16.1	2.01	4.8	3.13	7.5	4.26	10.2	5.38	12.9	6.50	15.5
	0.15	3.4	2.35	3.8	3.53	5.6	4.71	7.5	5.89	9.4	7.07	11.3	2.12	3.4	3.29	5.3	4.47	7.1	5.65	9.0	6.83	10.9
	0.20	5.6	2.42	2.9	3.63	4.3	4.84	5.8	6.05	7.2	7.26	8.7	2.17	2.6	3.38	4.0	4.59	5.5	5.80	6.9	7.02	8.4
400	0.10	2.4	2.90	6.9	4.35	10.4	5.81	13.9	7.26	17.4	8.71	20.8	2.61	6.2	4.06	9.7	5.52	13.2	6.97	16.7	8.42	20.1
	0.15	4.8	3.09	4.9	4.64	7.4	6.18	9.9	7.73	12.3	9.28	14.8	2.78	4.4	4.33	6.9	5.87	9.4	7.42	11.8	8.97	14.3
	0.20	8.0	3.20	3.8	4.80	5.7	6.40	7.6	8.00	9.6	9.60	11.5	2.88	3.4	4.48	5.4	6.08	7.3	7.68	9.2	9.28	11.1
	0.25	11.7	3.26	3.1	4.90	4.7	6.53	6.2	8.17	7.8	9.80	9.4	2.94	2.8	4.57	4.4	6.21	5.9	7.84	7.5	9.48	9.1
600	0.10	2.8	3.64	8.7	5.46	13.1	7.29	17.4	9.11	21.8	10.93	26.1	3.28	7.8	5.10	12.2	6.92	16.6	8.75	20.9	10.57	25.3
	0.15	5.6	3.94	6.3	5.91	9.4	7.89	12.6	9.86	15.7	11.83	18.9	3.55	5.7	5.52	8.8	7.49	11.9	9.47	15.1	11.44	18.2
	0.20	9.3	4.11	4.9	6.17	7.4	8.23	9.8	10.29	12.3	12.35	14.8	3.70	4.4	5.76	6.9	7.82	9.3	9.88	11.8	11.94	14.3
	0.30	18.7	4.31	3.4	6.46	5.2	8.62	6.9	10.78	8.6	12.94	10.3	3.88	3.1	6.03	4.8	8.19	6.5	10.35	8.2	12.50	10.0
800	0.15	7.3	4.86	7.7	7.29	11.6	9.72	15.5	12.16	19.4	14.59	23.2	4.37	7.0	6.80	10.8	8.24	14.7	11.67	18.6	14.10	22.5
	0.20	12.0	5.12	6.1	7.68	9.2	10.25	12.2	12.81	15.3	15.37	18.4	4.61	5.5	7.17	8.6	9.73	11.6	12.30	14.7	14.86	17.8
	0.25	17.6	5.29	5.1	7.94	7.6	10.59	10.1	13.24	12.7	15.89	15.2	4.76	4.6	7.41	7.1	10.06	9.6	12.71	12.2	15.36	14.7
	0.30	24.1	5.42	4.3	8.13	6.5	10.84	8.6	13.55	10.8	16.26	13.0	4.87	3.9	7.59	6.0	10.30	8.2	13.01	10.4	15.72	12.5
1000	0.20	2.1	6.15	7.4	9.23	11.0	12.31	14.7	15.39	18.4	18.46	22.1	5.54	6.6	8.61	10.3	11.69	14.0	14.77	17.6	17.85	21.3
	0.30	4.2	6.58	5.2	9.87	7.9	13.17	10.5	16.46	13.1	19.75	15.7	5.92	4.7	9.21	7.3	12.51	10.0	15.80	12.6	19.09	15.2
	0.40	6.9	6.82	4.1	10.24	6.1	13.65	8.2	17.07	10.2	20.48	12.2	6.14	3.7	9.56	5.7	12.97	7.7	16.39	9.8	19.80	11.8
	0.50	10.1	6.98	3.3	10.48	5.0	13.97	6.7	17.47	8.3	20.96	10.0	6.29	3.0	9.78	4.7	13.27	6.3	16.77	8.0	20.26	9.7
1200	0.20	2.4	7.40	8.8	11.11	13.3	14.81	17.7	18.52	22.1	22.22	26.5	6.66	8.0	10.37	12.4	14.07	16.8	17.78	21.2	21.48	25.7
	0.30	4.9	8.03	6.4	12.05	9.6	16.06	12.8	20.08	16.0	24.09	19.2	7.22	5.8	11.24	9.0	15.26	12.2	19.27	15.4	23.29	18.6
	0.40	8.1	8.39	5.0	12.59	7.5	16.79	10.0	20.98	12.5	25.18	15.0	7.55	4.5	11.75	7.0	15.95	9.5	20.14	12.0	24.34	14.5
	0.50	11.8	8.63	4.1	12.94	6.2	17.26	8.3	21.58	10.3	25.90	12.4	7.77	3.7	12.08	5.8	16.40	7.8	20.72	9.9	25.03	12.0
1400	0.20	2.7	8.11	9.7	12.16	14.5	16.22	19.4	20.28	24.2	24.33	29.1	7.30	8.7	11.35	13.6	15.41	18.4	19.46	23.3	23.52	28.1
	0.30	5.4	8.86	7.1	13.29	10.6	17.72	14.1	22.15	17.6	26.58	21.2	7.97	6.4	12.40	9.9	16.83	13.4	21.26	16.9	25.70	20.5
	0.40	8.9	9.30	5.6	13.95	8.3	18.60	11.1	23.25	13.9	27.90	16.7	8.37	5.0	13.02	7.8	17.67	10.6	22.32	13.3	26.97	16.1
	0.55	15.5	9.70	4.2	14.55	6.3	19.40	8.4	24.26	10.5	29.11	12.6	8.73	3.8	13.58	5.9	18.43	8.0	23.29	10.1	28.14	12.2

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