

SRC-2SW-3R

220V

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	1.21	1.46	7.0	1.10	1.29	6.2	1.00	1.12	5.4	1.29	1.66	7.9	1.18	1.49	7.1	1.07	1.31	6.3
	0.10	2.8	1.59	2.04	4.9	1.44	1.80	4.3	1.29	1.55	3.7	1.71	2.34	5.6	1.56	2.09	5.0	1.41	1.84	4.4
	0.15	5.6	1.75	2.35	3.7	1.58	2.07	3.3	1.42	1.77	2.8	1.90	2.70	4.3	1.73	2.41	3.9	1.56	2.12	3.4
	0.20	9.2	1.84	2.54	3.0	1.67	2.24	2.7	1.49	1.92	2.3	2.00	2.93	3.5	1.82	2.62	3.1	1.64	2.30	2.7
400	0.10	3.9	2.17	2.82	6.8	1.97	2.49	6.0	1.78	2.14	5.1	2.34	3.22	7.7	2.13	2.89	6.9	1.93	2.54	6.1
	0.15	8.0	2.42	3.28	5.2	2.19	2.88	4.6	1.97	2.48	4.0	2.61	3.75	6.0	2.38	3.36	5.4	2.15	2.95	4.7
	0.20	13.1	2.56	3.57	4.3	2.31	3.14	3.8	2.08	2.69	3.2	2.77	4.10	4.9	2.52	3.67	4.4	2.28	3.22	3.9
	0.25	19.3	2.65	3.78	3.6	2.39	3.32	3.2	2.15	2.84	2.7	2.87	4.34	4.2	2.61	3.89	3.7	2.36	3.41	3.3
600	0.10	4.6	2.73	3.49	8.4	2.48	3.08	7.4	2.24	2.66	6.4	2.94	3.98	9.5	2.68	3.57	8.5	2.43	3.15	7.5
	0.15	9.3	3.11	4.13	6.6	2.81	3.64	5.8	2.54	3.13	5.0	3.35	4.73	7.5	3.05	4.24	6.8	2.77	3.73	5.9
	0.20	15.2	3.33	4.56	5.4	3.01	4.01	4.8	2.71	3.44	4.1	3.60	5.22	6.2	3.27	4.68	5.6	2.96	4.11	4.9
	0.30	30.7	3.57	5.10	4.1	3.22	4.48	3.6	2.89	3.84	3.1	3.87	5.86	4.7	3.52	5.25	4.2	3.18	4.60	3.7
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	5.55	6.6	3.46	4.87	5.8
	0.25	29.0	4.06	5.78	5.5	3.67	5.08	4.9	3.29	4.35	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	6.99	5.6	4.13	6.25	5.0	3.73	5.48	4.4
1000	0.20	3.4	4.53	5.75	6.9	4.10	5.08	6.1	3.71	4.38	5.2	4.87	6.56	7.8	4.44	5.89	7.0	4.02	5.18	6.2
	0.30	6.9	5.10	6.74	5.4	4.62	5.94	4.7	4.16	5.11	4.1	5.50	7.72	6.2	5.01	6.92	5.5	4.54	6.08	4.8
	0.40	11.3	5.43	7.39	4.4	4.91	6.50	3.9	4.42	5.58	3.3	5.87	8.48	5.1	5.34	7.59	4.5	4.83	6.67	4.0
	0.50	16.6	5.64	7.85	3.8	5.10	6.91	3.3	4.58	5.92	2.8	6.11	9.03	4.3	5.56	8.08	3.9	5.02	7.09	3.4
1200	0.20	4.0	5.30	6.71	8.0	4.81	5.93	7.1	4.35	5.12	6.1	5.69	7.65	9.1	5.19	6.86	8.2	4.71	6.05	7.2
	0.30	8.1	6.03	7.94	6.3	5.46	7.00	5.6	4.92	6.03	4.8	6.50	9.09	7.2	5.92	8.14	6.5	5.36	7.16	5.7
	0.40	13.2	6.46	8.76	5.2	5.84	7.71	4.6	5.26	6.62	4.0	6.98	10.04	6.0	6.35	8.99	5.4	5.75	7.90	4.7
	0.50	19.5	6.74	9.34	4.5	6.09	8.22	3.9	5.47	7.05	3.4	7.29	10.73	5.1	6.63	9.61	4.6	6.00	8.43	4.0
1400	0.20	4.4	5.76	7.30	8.7	5.23	6.45	7.7	4.73	5.57	6.7	6.18	8.32	9.9	5.64	7.46	8.9	5.12	6.58	7.9
	0.30	8.9	6.59	8.68	6.9	5.97	7.66	6.1	5.39	6.59	5.3	7.09	9.93	7.9	6.46	8.90	7.1	5.86	7.83	6.2
	0.40	14.7	7.08	9.60	5.7	6.40	8.46	5.1	5.77	7.27	4.3	7.64	11.00	6.6	6.96	9.85	5.9	6.30	8.66	5.2
	0.55	25.4	7.52	10.54	4.6	6.80	9.27	4.0	6.11	7.95	3.5	8.13	12.10	5.3	7.40	10.84	4.7	6.69	9.51	4.1

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	1.84	8.8	2.76	13.2	3.68	17.6	4.61	22.0	5.53	26.4	1.66	7.9	2.58	12.3	3.50	16.7	4.42	21.2	5.34	25.6
	0.10	2.8	2.09	5.0	3.13	7.5	4.18	10.0	5.23	12.5	6.27	15.0	1.88	4.5	2.92	7.0	3.97	9.5	5.02	12.0	6.06	14.5
	0.15	5.6	2.19	3.5	3.29	5.2	4.39	7.0	5.49	8.7	6.58	10.5	1.97	3.1	3.07	4.9	4.17	6.6	5.27	8.4	6.36	10.1
	0.20	9.2	2.25	2.7	3.38	4.0	4.51	5.4	5.63	6.7	6.76	8.1	2.02	2.4	3.15	3.8	4.28	5.1	5.41	6.5	6.53	7.8
400	0.10	3.9	2.86	6.8	4.29	10.3	5.73	13.7	7.16	17.1	8.59	20.5	2.57	6.2	4.01	9.6	5.44	13.0	6.87	16.4	8.30	19.8
	0.15	8.0	3.05	4.9	4.58	7.3	6.10	9.7	7.63	12.2	9.16	14.6	2.74	4.4	4.27	6.8	5.80	9.2	7.33	11.7	8.85	14.1
	0.20	13.1	3.16	3.8	4.74	5.7	6.32	7.6	7.90	9.4	9.48	11.3	2.84	3.4	4.42	5.3	6.00	7.2	7.59	9.1	9.17	11.0
	0.25	19.3	3.23	3.1	4.85	4.6	6.46	6.2	8.08	7.7	9.70	9.3	2.91	2.8	4.52	4.3	6.14	5.9	7.76	7.4	9.37	9.0
600	0.10	4.6	3.62	8.7	5.44	13.0	7.25	17.3	9.06	21.7	10.88	26.0	3.26	7.8	5.07	12.1	6.89	16.5	8.70	20.8	10.51	25.1
	0.15	9.3	3.93	6.3	5.89	9.4	7.86	12.5	9.83	15.7	11.79	18.8	3.53	5.6	5.50	8.8	7.47	11.9	9.43	15.0	11.40	18.2
	0.20	15.2	4.11	4.9	6.16	7.4	8.22	9.8	10.27	12.3	12.33	14.7	3.70	4.4	5.75	6.9	7.81	9.3	9.86	11.8	11.92	14.2
	0.30	30.7	4.31	3.4	6.47	5.2	8.62	6.9	10.78	8.6	12.94	10.3	3.88	3.1	6.04	4.8	8.19	6.5	10.35	8.2	12.51	10.0
800	0.15	12.0	4.54	7.2	6.81	10.9	9.09	14.5	11.36	18.1	13.63	21.7	4.09	6.5	6.36	10.1	8.63	13.8	10.91	17.4	13.18	21.0
	0.20	19.7	4.77	5.7	7.16	8.6	9.55	11.4	11.94	14.3	14.33	17.1	4.30	5.1	6.69	8.0	9.08	10.8	11.47	13.7	13.86	16.6
	0.25	29.0	4.93	4.7	7.40	7.1	9.87	9.4	12.33	11.8	14.80	14.1	4.44	4.2	6.90	6.6	9.37	9.0	11.84	11.3	14.31	13.7
	0.30	39.7	5.04	4.0	7.57	6.0	10.09	8.0	12.61	10.0	15.14	12.1	4.54	3.6	7.06	5.6	9.58	7.6	12.11	9.6	14.63	11.7
1000	0.20	3.4	6.01	7.2	9.01	10.8	12.02	14.4	15.02	17.9	18.03	21.5	5.40	6.5	8.41	10.1	11.42	13.6	14.42	17.2	17.43	20.8
	0.30	6.9	6.43	5.1	9.65	7.7	12.86	10.2	16.08	12.8	19.30	15.4	5.79	4.6	9.00	7.2	12.22	9.7	15.44	12.3	18.65	14.9
	0.40	11.3	6.67	4.0	10.01	6.0	13.35	8.0	16.69	10.0	20.03	12.0	6.00	3.6	9.34	5.6	12.68	7.6	16.02	9.6	19.36	11.6
	0.50	16.6	6.83	3.3	10.25	4.9	13.67	6.5	17.09	8.2	20.51	9.8	6.15	2.9	9.57	4.6	12.99	6.2	16.41	7.8	19.83	9.5
1200	0.20	4.0	7.05	8.4	10.57	12.6	14.10	16.8	17.62	21.1	21.15	25.3	6.34	7.6	9.87	11.8	13.39	16.0	16.92	20.2	20.44	24.4
	0.30	8.1	7.63	6.1	11.44	9.1	15.26	12.2	19.07	15.2	22.88	18.2	6.86	5.5	10.68	8.5	14.49	11.5	18.31	14.6	22.12	17.6
	0.40	13.2	7.96	4.8	11.95	7.1	15.93	9.5	19.92	11.9	23.90	14.3	7.17	4.3	11.15	6.7	15.14	9.0	19.12	11.4	23.10	13.8
	0.50	19.5	8.19	3.9	12.29	5.9	16.38	7.8	20.48	9.8	24.58	11.7	7.37	3.5	11.47	5.5	15.56	7.4	19.66	9.4	23.76	11.4
1400	0.20	4.4	7.67	9.2	11.50	13.7	15.34	18.3	19.18	22.9	23.01	27.5	6.90	8.2	10.74	12.8	14.57	17.4	18.41	22.0	22.25	26.6
	0.30	8.9	8.35	6.7	12.53	10.0	16.71	13.3	20.89	16.6	25.07	20.0	7.52	6.0	11.70	9.3	15.88	12.6	20.06	16.0	24.24	19.3
	0.40	14.7	8.76	5.2	13.14	7.8	17.52	10.5	21.90	13.1	26.28	15.7	7.88	4.7	12.26	7.3	16.64	9.9	21.02	12.6	25.41	15.2
	0.55	25.4	9.13	4.0	13.70	6.0	18.27	7.9	22.83	9.9	27.40	11.9	8.22	3.6	12.79	5.6	17.35	7.5	21.92	9.5	26.49	11.5

Note: To obtain accurate air volume and cooling/heating capacities, refer to pages 54-74