

# SRC-2SH-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	1.30	1.55	7.4	1.18	1.37	6.6	1.08	1.19	5.7	1.39	1.75	8.4	1.27	1.58	7.6	1.16	1.39	6.7
	0.10	2.8	1.75	2.22	5.3	1.59	1.95	4.7	1.43	1.69	4.0	1.88	2.53	6.1	1.72	2.27	5.4	1.56	2.00	4.8
	0.15	5.6	1.96	2.58	4.1	1.77	2.27	3.6	1.60	1.95	3.1	2.11	2.95	4.7	1.92	2.64	4.2	1.74	2.32	3.7
	0.20	9.2	2.07	2.81	3.4	1.87	2.47	3.0	1.69	2.12	2.5	2.24	3.22	3.9	2.04	2.88	3.5	1.84	2.53	3.0
400	0.10	3.9	2.64	3.31	7.9	2.40	2.93	7.0	2.18	2.53	6.1	2.83	3.77	9.0	2.58	3.38	8.1	2.35	2.98	7.1
	0.15	8.0	3.02	3.94	6.3	2.74	3.48	5.5	2.48	3.00	4.8	3.25	4.49	7.2	2.96	4.03	6.4	2.69	3.55	5.7
	0.20	13.1	3.24	4.35	5.2	2.94	3.83	4.6	2.65	3.30	3.9	3.49	4.97	5.9	3.18	4.46	5.3	2.88	3.92	4.7
	0.25	19.3	3.39	4.65	4.4	3.07	4.09	3.9	2.76	3.52	3.4	3.65	5.32	5.1	3.33	4.77	4.6	3.01	4.19	4.0
600	0.10	4.6	2.86	3.62	8.7	2.59	3.20	7.7	2.35	2.76	6.6	3.06	4.12	9.8	2.79	3.69	8.8	2.54	3.26	7.8
	0.15	9.3	3.26	4.30	6.9	2.96	3.80	6.1	2.67	3.27	5.2	3.51	4.91	7.8	3.20	4.41	7.0	2.90	3.88	6.2
	0.20	15.2	3.51	4.76	5.7	3.17	4.19	5.0	2.86	3.60	4.3	3.78	5.44	6.5	3.44	4.88	5.8	3.12	4.29	5.1
	0.30	30.7	3.77	5.34	4.3	3.41	4.70	3.7	3.06	4.03	3.2	4.07	6.12	4.9	3.71	5.48	4.4	3.36	4.81	3.8
800	0.15	12.0	4.14	5.45	8.7	3.75	4.81	7.7	3.39	4.15	6.6	4.45	6.22	9.9	4.05	5.57	8.9	3.68	4.91	7.8
	0.20	19.7	4.49	6.09	7.3	4.07	5.37	6.4	3.67	4.62	5.5	4.84	6.96	8.3	4.41	6.24	7.5	4.00	5.49	6.6
	0.25	29.0	4.73	6.56	6.3	4.28	5.78	5.5	3.85	4.96	4.7	5.10	7.51	7.2	4.65	6.73	6.4	4.21	5.92	5.7
	0.30	39.7	4.90	6.93	5.5	4.43	6.10	4.9	3.98	5.23	4.2	5.29	7.94	6.3	4.82	7.11	5.7	4.36	6.25	5.0
1000	0.20	3.4	5.13	6.36	7.6	4.66	5.63	6.7	4.23	4.87	5.8	5.49	7.24	8.7	5.01	6.50	7.8	4.55	5.73	6.8
	0.30	6.9	5.88	7.58	6.0	5.33	6.69	5.3	4.82	5.77	4.6	6.31	8.65	6.9	5.75	7.75	6.2	5.22	6.83	5.4
	0.40	11.3	6.31	8.38	5.0	5.72	7.39	4.4	5.16	6.36	3.8	6.80	9.58	5.7	6.19	8.59	5.1	5.62	7.55	4.5
	0.50	16.6	6.60	8.95	4.3	5.97	7.89	3.8	5.38	6.78	3.2	7.12	10.26	4.9	6.48	9.19	4.4	5.87	8.07	3.9
1200	0.20	4.0	5.47	6.88	8.2	4.96	6.08	7.3	4.50	5.26	6.3	5.85	7.83	9.4	5.34	7.03	8.4	4.85	6.20	7.4
	0.30	8.1	6.24	8.17	6.5	5.66	7.21	5.7	5.11	6.21	5.0	6.71	9.33	7.4	6.11	8.36	6.7	5.55	7.36	5.9
	0.40	13.2	6.69	9.02	5.4	6.06	7.95	4.8	5.46	6.84	4.1	7.21	10.32	6.2	6.57	9.25	5.5	5.95	8.13	4.9
	0.50	19.5	6.99	9.63	4.6	6.32	8.48	4.1	5.69	7.29	3.5	7.54	11.04	5.3	6.86	9.89	4.7	6.22	8.69	4.2
1400	0.20	4.4	6.45	7.99	9.5	5.86	7.07	8.4	5.32	6.12	7.3	6.89	9.07	10.8	6.29	8.14	9.7	5.72	7.19	8.6
	0.30	8.9	7.49	9.65	7.7	6.80	8.52	6.8	6.15	7.36	5.9	8.04	10.99	8.8	7.33	9.86	7.9	6.66	8.69	6.9
	0.40	14.7	8.13	10.76	6.4	7.36	9.49	5.7	6.65	8.18	4.9	8.74	12.30	7.3	7.97	11.02	6.6	7.22	9.70	5.8
	0.55	25.4	8.71	11.91	5.2	7.88	10.50	4.6	7.10	9.02	3.9	9.39	13.64	5.9	8.55	12.22	5.3	7.75	10.74	4.7

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	2.04	9.8	3.07	14.7	4.09	19.6	5.11	24.5	6.14	29.3	1.84	8.8	2.86	13.7	3.89	18.6	4.91	23.5	5.93	28.4
	0.10	2.8	2.35	5.6	3.53	8.4	4.71	11.3	5.89	14.1	7.07	16.9	2.12	5.1	3.30	7.9	4.48	10.7	5.65	13.5	6.83	16.3
	0.15	5.6	2.49	4.0	3.73	6.0	4.98	7.9	6.22	9.9	7.47	11.9	2.24	3.6	3.48	5.6	4.73	7.5	5.97	9.5	7.22	11.5
	0.20	9.2	2.56	3.1	3.85	4.6	5.13	6.1	6.41	7.7	7.70	9.2	2.31	2.8	3.59	4.3	4.87	5.8	6.16	7.4	7.44	8.9
400	0.10	3.9	3.60	8.6	5.40	12.9	7.21	17.2	9.01	21.5	10.81	25.8	3.24	7.8	5.04	12.1	6.85	16.4	8.65	20.7	10.45	25.0
	0.15	8.0	3.91	6.2	5.86	9.3	7.82	12.5	9.78	15.6	11.73	18.7	3.52	5.6	5.47	8.7	7.43	11.8	9.38	15.0	11.34	18.1
	0.20	13.1	4.09	4.9	6.13	7.3	8.18	9.8	10.23	12.2	12.27	14.7	3.68	4.4	5.73	6.8	7.77	9.3	9.82	11.7	11.86	14.2
	0.25	19.3	4.21	4.0	6.32	6.0	8.42	8.1	10.53	10.1	12.64	12.1	3.79	3.6	5.89	5.6	8.00	7.7	10.11	9.7	12.21	11.7
600	0.10	4.6	3.83	9.2	5.75	13.8	7.67	18.3	9.59	22.9	11.51	27.5	3.45	8.3	5.37	12.8	7.29	17.4	9.21	22.0	11.13	26.6
	0.15	9.3	4.18	6.7	6.27	10.0	8.36	13.3	10.45	16.7	12.54	20.0	3.76	6.0	5.85	9.3	7.94	12.7	10.03	16.0	12.12	19.3
	0.20	15.2	4.38	5.2	6.57	7.9	8.76	10.5	10.96	13.1	13.15	15.7	3.94	4.7	6.13	7.3	8.33	10.0	10.52	12.6	12.71	15.2
	0.30	30.7	4.61	3.7	6.92	5.5	9.23	7.4	11.54	9.2	13.85	11.0	4.15	3.3	6.46	5.1	8.77	7.0	11.08	8.8	13.39	10.7
800	0.15	12.0	5.29	8.4	7.93	12.6	10.58	16.9	13.22	21.1	15.87	25.3	4.76	7.6	7.40	11.8	10.05	16.0	12.69	20.2	15.34	24.4
	0.20	19.7	5.61	6.7	8.41	10.1	11.22	13.4	14.02	16.8	16.83	20.1	5.05	6.0	7.85	9.4	10.66	12.7	13.46	16.1	16.27	19.4
	0.25	29.0	5.82	5.6	8.74	8.4	11.65	11.1	14.56	13.9	17.48	16.7	5.24	5.0	8.15	7.8	11.07	10.6	13.98	13.4	16.89	16.1
	0.30	39.7	5.98	4.8	8.97	7.1	11.96	9.5	14.96	11.9	17.95	14.3	5.38	4.3	8.37	6.7	11.37	9.1	14.36	11.4	17.35	13.8
1000	0.20	3.4	7.00	8.4	10.50	12.5	14.00	16.7	17.51	20.9	21.01	25.1	6.30	7.5	9.80	11.7	13.30	15.9	16.81	20.1	20.31	24.3
	0.30	6.9	7.58	6.0	11.38	9.1	15.17	12.1	18.96	15.1	22.76	18.1	6.82	5.4	10.62	8.5	14.41	11.5	18.20	14.5	22.00	17.5
	0.40	11.3	7.93	4.7	11.89	7.1	15.86	9.5	19.82	11.8	23.79	14.2	7.13	4.3	11.10	6.6	15.06	9.0	19.03	11.4	22.99	13.7
	0.50	16.6	8.16	3.9	12.24	5.8	16.32	7.8	20.40	9.7	24.48	11.7	7.34	3.5	11.42	5.5	15.50	7.4	19.58	9.4	23.66	11.3
1200	0.20	4.0	7.36	8.8	11.05	13.2	14.73	17.6	18.41	22.0	22.10	26.4	6.63	7.9	10.31	12.3	13.99	16.7	17.68	21.1	21.36	25.5
	0.30	8.1	8.00	6.4	12.00	9.6	16.00	12.7	20.01	15.9	24.01	19.1	7.20	5.7	11.20	8.9	15.20	12.1	19.20	15.3	23.21	18.5
	0.40	13.2	8.37	5.0	12.56	7.5	16.75	10.0	20.94	12.5	25.13	15.0	7.54	4.5	11.72	7.0	15.91	9.5	20.10	12.0	24.29	14.5
	0.50	19.5	8.62	4.1	12.94	6.2	17.25	8.2	21.56	10.3	25.88	12.4	7.76	3.7	12.07	5.8	16.39	7.8	20.70	9.9	25.02	12.0
1400	0.20	4.4	8.77	10.5	13.16	15.7	17.55	21.0	21.94	26.2	26.33	31.5	7.89	9.4	12.28	14.7	16.67	19.9	21.06	25.2	25.45	30.4
	0.30	8.9	9.68	7.7	14.53	11.6	19.37	15.4	24.22	19.3	29.06	23.1	8.71	6.9	13.56	10.8	18.40	14.7	23.25	18.5	28.09	22.4
	0.40	14.7	10.23	6.1	15.35	9.2	20.47	12.2	25.58	15.3	30.70	18.3	9.21	5.5	14.32	8.6	19.44	11.6	24.56	14.7	29.68	17.7
	0.55	25.4	10.75	4.7	16.12	7.0	21.50	9.3	26.87	11.7	32.25	14.0	9.67	4.2	15.05	6.5	20.42	8.9	25.80	11.2	31.17	13.5

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