

# SRC-2SH-4R

# 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	0.5	1.30	1.59	7.6	1.18	1.41	6.7	1.08	1.22	5.9	1.40	1.81	8.7	1.27	1.62	7.8	1.16	1.43	6.9
	0.10	1.7	1.78	2.33	5.6	1.62	2.05	4.9	1.46	1.77	4.2	1.92	2.66	6.4	1.75	2.38	5.7	1.59	2.10	5.0
	0.15	3.4	2.01	2.73	4.4	1.82	2.40	3.8	1.63	2.06	3.3	2.17	3.13	5.0	1.97	2.80	4.5	1.79	2.46	3.9
	0.20	5.6	2.13	2.99	3.6	1.93	2.63	3.1	1.73	2.25	2.7	2.31	3.43	4.1	2.10	3.07	3.7	1.90	2.69	3.2
400	0.10	2.4	2.63	3.41	8.2	2.39	3.01	7.2	2.16	2.60	6.2	2.82	3.88	9.3	2.57	3.48	8.3	2.34	3.07	7.3
	0.15	4.8	3.02	4.08	6.5	2.74	3.60	5.7	2.47	3.10	4.9	3.25	4.66	7.4	2.96	4.18	6.7	2.69	3.68	5.9
	0.20	8.0	3.25	4.52	5.4	2.94	3.98	4.8	2.65	3.42	4.1	3.50	5.18	6.2	3.19	4.64	5.5	2.89	4.08	4.9
	0.25	11.7	3.40	4.84	4.6	3.07	4.26	4.1	2.77	3.66	3.5	3.67	5.55	5.3	3.34	4.97	4.8	3.02	4.37	4.2
600	0.10	2.8	2.88	3.76	9.0	2.61	3.32	7.9	2.36	2.87	6.9	3.08	4.28	10.2	2.81	3.84	9.2	2.55	3.39	8.1
	0.15	5.6	3.31	4.50	7.2	3.00	3.97	6.3	2.70	3.42	5.5	3.56	5.15	8.2	3.24	4.62	7.4	2.94	4.06	6.5
	0.20	9.3	3.56	5.00	6.0	3.22	4.40	5.3	2.90	3.78	4.5	3.84	5.73	6.8	3.50	5.13	6.1	3.17	4.51	5.4
	0.30	18.7	3.85	5.64	4.5	3.47	4.96	4.0	3.12	4.25	3.4	4.16	6.48	5.2	3.78	5.80	4.6	3.42	5.09	4.1
800	0.15	7.3	4.31	5.84	9.3	3.91	5.15	8.2	3.53	4.44	7.1	4.64	6.66	10.6	4.23	5.97	9.5	3.84	5.26	8.4
	0.20	12.0	4.71	6.57	7.9	4.27	5.79	6.9	3.85	4.98	6.0	5.08	7.51	9.0	4.63	6.73	8.1	4.19	5.92	7.1
	0.25	17.6	4.98	7.11	6.8	4.51	6.26	6.0	4.06	5.38	5.1	5.38	8.15	7.8	4.90	7.30	7.0	4.44	6.42	6.1
	0.30	24.1	5.18	7.54	6.0	4.68	6.63	5.3	4.21	5.69	4.5	5.60	8.65	6.9	5.09	7.74	6.2	4.61	6.80	5.4
1000	0.20	2.1	5.11	6.56	7.8	4.63	5.79	6.9	4.20	5.00	6.0	5.48	7.47	8.9	5.00	6.70	8.0	4.54	5.90	7.1
	0.30	4.2	5.88	7.86	6.3	5.33	6.93	5.5	4.81	5.97	4.8	6.33	8.99	7.2	5.77	8.06	6.4	5.23	7.09	5.6
	0.40	6.9	6.34	8.73	5.2	5.74	7.69	4.6	5.17	6.60	3.9	6.84	10.00	6.0	6.23	8.96	5.4	5.64	7.87	4.7
	0.50	10.1	6.64	9.35	4.5	6.00	8.23	3.9	5.40	7.06	3.4	7.17	10.73	5.1	6.53	9.61	4.6	5.91	8.44	4.0
1200	0.20	2.4	5.67	7.32	8.7	5.14	6.47	7.7	4.66	5.59	6.7	6.07	8.33	10.0	5.54	7.48	8.9	5.03	6.59	7.9
	0.30	4.9	6.54	8.79	7.0	5.92	7.76	6.2	5.35	6.68	5.3	7.03	10.04	8.0	6.40	9.00	7.2	5.81	7.92	6.3
	0.40	8.1	7.05	9.77	5.8	6.39	8.61	5.1	5.76	7.41	4.4	7.60	11.19	6.7	6.92	10.02	6.0	6.27	8.81	5.3
	0.50	11.8	7.39	10.49	5.0	6.68	9.23	4.4	6.02	7.93	3.8	7.97	12.02	5.7	7.26	10.77	5.1	6.57	9.46	4.5
1400	0.20	2.7	6.49	8.29	9.9	5.89	7.33	8.8	5.34	6.34	7.6	6.94	9.43	11.3	6.34	8.46	10.1	5.76	7.47	8.9
	0.30	5.4	7.60	10.11	8.1	6.89	8.92	7.1	6.23	7.69	6.1	8.16	11.53	9.2	7.44	10.34	8.2	6.75	9.11	7.3
	0.40	8.9	8.28	11.34	6.8	7.50	10.00	6.0	6.76	8.60	5.1	8.91	12.97	7.7	8.12	11.63	6.9	7.36	10.23	6.1
	0.55	15.5	8.91	12.62	5.5	8.06	11.11	4.8	7.25	9.54	4.1	9.61	14.46	6.3	8.75	12.96	5.6	7.93	11.38	4.9

43-44

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	2.14	10.3	3.22	15.4	4.29	20.5	5.37	25.7	6.44	30.8	1.93	9.2	3.00	14.4	4.08	19.5	5.15	24.6	6.23	29.8
	0.10	1.7	2.48	5.9	3.72	8.9	4.96	11.9	6.21	14.8	7.45	17.8	2.23	5.3	3.47	8.3	4.72	11.3	5.96	14.2	7.20	17.2
	0.15	3.4	2.62	4.2	3.94	6.3	5.25	8.4	6.56	10.5	7.88	12.6	2.36	3.8	3.67	5.9	4.99	7.9	6.30	10.0	7.61	12.1
	0.20	5.6	2.70	3.2	4.06	4.9	5.41	6.5	6.76	8.1	8.12	9.7	2.43	2.9	3.78	4.5	5.14	6.1	6.49	7.8	7.84	9.4
400	0.10	2.4	3.70	8.9	5.56	13.3	7.41	17.7	9.26	22.1	11.12	26.6	3.33	8.0	5.19	12.4	7.04	16.8	8.89	21.3	10.75	25.7
	0.15	4.8	4.02	6.4	6.03	9.6	8.04	12.8	10.05	16.0	12.06	19.2	3.61	5.8	5.63	9.0	7.64	12.2	9.65	15.4	11.66	18.6
	0.20	8.0	4.20	5.0	6.30	7.5	8.41	10.0	10.51	12.6	12.61	15.1	3.78	4.5	5.88	7.0	7.99	9.5	10.09	12.1	12.19	14.6
	0.25	11.7	4.32	4.1	6.48	6.2	8.65	8.3	10.81	10.3	12.97	12.4	3.89	3.7	6.05	5.8	8.21	7.9	10.38	9.9	12.54	12.0
600	0.10	2.8	3.99	9.5	5.98	14.3	7.98	19.1	9.97	23.8	11.97	28.6	3.59	8.6	5.58	13.3	7.58	18.1	9.57	22.9	11.57	27.7
	0.15	5.6	4.35	6.9	6.53	10.4	8.70	13.9	10.88	17.3	13.06	20.8	3.91	6.2	6.09	9.7	8.27	13.2	10.45	16.6	12.62	20.1
	0.20	9.3	4.56	5.5	6.85	8.2	9.13	10.9	11.41	13.6	13.70	16.4	4.11	4.9	6.39	7.6	8.67	10.4	10.96	13.1	13.24	15.8
	0.30	18.7	4.80	3.8	7.21	5.7	9.61	7.7	12.01	9.6	14.42	11.5	4.32	3.4	6.73	5.4	9.13	7.3	11.53	9.2	13.94	11.1
800	0.15	7.3	5.68	9.1	8.53	13.6	11.37	18.1	14.21	22.6	17.06	27.2	5.11	8.2	7.96	12.7	10.80	17.2	13.64	21.7	16.49	26.3
	0.20	12.0	6.04	7.2	9.07	10.8	12.09	14.4	15.12	18.1	18.14	21.7	5.44	6.5	8.46	10.1	11.49	13.7	14.51	17.3	17.54	21.0
	0.25	17.6	6.29	6.0	9.43	9.0	12.58	12.0	15.72	15.0	18.87	18.0	5.66	5.4	8.80	8.4	11.95	11.4	15.10	14.4	18.24	17.4
	0.30	24.1	6.46	5.2	9.70	7.7	12.93	10.3	16.17	12.9	19.40	15.5	5.82	4.6	9.05	7.2	12.28	9.8	15.52	12.4	18.75	14.9
1000	0.20	2.1	7.20	8.6	10.80	12.9	14.41	17.2	18.01	21.5	21.61	25.8	6.48	7.7	10.08	12.1	13.69	16.4	17.29	20.7	20.89	25.0
	0.30	4.2	7.80	6.2	11.70	9.3	15.60	12.4	19.50	15.5	23.41	18.6	7.02	5.6	10.92	8.7	14.82	11.8	18.72	14.9	22.63	18.0
	0.40	6.9	8.15	4.9	12.22	7.3	16.30	9.7	20.37	12.2	24.45	14.6	7.33	4.4	11.41	6.8	15.48	9.2	19.56	11.7	23.63	14.1
	0.50	10.1	8.38	4.0	12.57	6.0	16.76	8.0	20.95	10.0	25.14	12.0	7.54	3.6	11.73	5.6	15.92	7.6	20.11	9.6	24.30	11.6
1200	0.20	2.4	7.95	9.5	11.93	14.3	15.91	19.0	19.89	23.8	23.87	28.5	7.16	8.6	11.14	13.3	15.12	18.1	19.10	22.8	23.08	27.6
	0.30	4.9	8.68	6.9	13.02	10.4	17.37	13.8	21.71	17.3	26.05	20.7	7.81	6.2	12.15	9.7	16.50	13.1	20.84	16.6	25.18	20.1
	0.40	8.1	9.11	5.4	13.66	8.2	18.22	10.9	22.77	13.6	27.33	16.3	8.19	4.9	12.75	7.6	17.31	10.3	21.86	13.1	26.42	15.8
	0.50	11.8	9.39	4.5	14.08	6.7	18.78	9.0	23.48	11.2	28.17	13.5	8.45	4.0	13.15	6.3	17.84	8.5	22.54	10.8	27.24	13.0
1400	0.20	2.7	9.15	10.9	13.73	16.4	18.30	21.9	22.88	27.3	27.46	32.8	8.23	9.8	12.81	15.3	17.39	20.8	21.97	26.2	26.54	31.7
	0.30	5.4	10.12	8.1	15.18	12.1	20.24	16.1	25.30	20.2	30.37	24.2	9.11	7.3	14.17	11.3	19.23	15.3	24.29	19.3	29.35	23.4
	0.40	8.9	10.70	6.4	16.05	9.6	21.40	12.8	26.75	16.0	32.10	19.2	9.63	5.8	14.98	8.9	20.33	12.1	25.68	15.3	31.03	18.5
	0.55	15.5	11.24	4.9	16.86	7.3	22.48	9.8	28.10	12.2	33.72	14.6	10.11	4.4	15.73	6.8	21.36	9.3	26.98	11.7	32.60	14.2

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