

SRC-4HW-DC2

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	1.21	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	1.58	2.04	4.9	1.43	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	1.89	2.69	4.3	1.72	2.41	3.9	1.56	2.12	3.4
	0.20	9.2	1.84	2.54	3.0	1.66	2.24	2.7	1.49	1.91	2.3	2.00	2.92	3.5	1.81	2.62	3.1	1.64	2.29	2.7
400	0.10	3.9	2.24	2.89	6.9	2.03	2.55	6.1	1.83	2.20	5.3	2.41	3.30	7.9	2.19	2.96	7.1	1.99	2.61	6.2
	0.15	8.0	2.50	3.37	5.4	2.26	2.97	4.7	2.04	2.55	4.1	2.70	3.86	6.2	2.46	3.46	5.5	2.23	3.04	4.8
	0.20	13.1	2.65	3.68	4.4	2.40	3.23	3.9	2.16	2.77	3.3	2.87	4.22	5.0	2.61	3.78	4.5	2.36	3.32	4.0
	0.25	19.3	2.75	3.90	3.7	2.48	3.43	3.3	2.23	2.94	2.8	2.97	4.48	4.3	2.70	4.01	3.8	2.45	3.52	3.4
600	0.10	4.6	2.65	3.40	8.1	2.40	3.00	7.2	2.17	2.59	6.2	2.84	3.88	9.3	2.59	3.48	8.3	2.35	3.06	7.3
	0.15	9.3	2.99	4.01	6.4	2.71	3.53	5.6	2.44	3.04	4.8	3.23	4.59	7.3	2.94	4.11	6.6	2.66	3.61	5.8
	0.20	15.2	3.20	4.40	5.3	2.89	3.88	4.6	2.60	3.33	4.0	3.45	5.05	6.0	3.14	4.52	5.4	2.84	3.97	4.8
	0.30	30.7	3.42	4.91	3.9	3.08	4.32	3.4	2.77	3.70	2.9	3.70	5.65	4.5	3.37	5.06	4.0	3.04	4.43	3.5
800	0.15	12.0	3.78	5.06	8.1	3.42	4.46	7.1	3.09	3.84	6.1	4.07	5.78	9.2	3.71	5.18	8.3	3.36	4.56	7.3
	0.20	19.7	4.07	5.62	6.7	3.69	4.95	5.9	3.32	4.25	5.1	4.40	6.43	7.7	4.00	5.76	6.9	3.63	5.06	6.1
	0.25	29.0	4.27	6.02	5.8	3.86	5.30	5.1	3.47	4.54	4.3	4.62	6.91	6.6	4.20	6.19	5.9	3.80	5.43	5.2
	0.30	39.7	4.41	6.34	5.1	3.98	5.57	4.4	3.57	4.78	3.8	4.77	7.28	5.8	4.34	6.52	5.2	3.92	5.72	4.6
1000	0.20	3.4	4.45	5.67	6.8	4.03	5.00	6.0	3.64	4.31	5.2	4.78	6.47	7.7	4.36	5.80	6.9	3.95	5.11	6.1
	0.30	6.9	5.00	6.63	5.3	4.52	5.84	4.7	4.08	5.02	4.0	5.39	7.59	6.0	4.91	6.80	5.4	4.45	5.98	4.8
	0.40	11.3	5.31	7.25	4.3	4.80	6.38	3.8	4.32	5.48	3.3	5.74	8.32	5.0	5.23	7.45	4.5	4.73	6.54	3.9
	0.50	16.6	5.51	7.70	3.7	4.98	6.77	3.2	4.47	5.80	2.8	5.97	8.85	4.2	5.43	7.92	3.8	4.91	6.95	3.3
1200	0.20	4.0	5.25	6.66	8.0	4.77	5.89	7.0	4.32	5.08	6.1	5.64	7.59	9.1	5.14	6.81	8.1	4.67	6.00	7.2
	0.30	8.1	5.97	7.88	6.3	5.40	6.94	5.5	4.88	5.98	4.8	6.43	9.00	7.2	5.85	8.07	6.4	5.31	7.10	5.7
	0.40	13.2	6.38	8.67	5.2	5.78	7.64	4.6	5.20	6.56	3.9	6.89	9.94	5.9	6.27	8.90	5.3	5.68	7.82	4.7
	0.50	19.5	6.65	9.25	4.4	6.01	8.14	3.9	5.41	6.98	3.3	7.19	10.61	5.1	6.54	9.50	4.5	5.92	8.34	4.0
1400	0.20	4.4	5.86	7.40	8.8	5.32	6.54	7.8	4.82	5.65	6.8	6.28	8.42	10.1	5.73	7.56	9.0	5.20	6.66	8.0
	0.30	8.9	6.71	8.82	7.0	6.08	7.78	6.2	5.49	6.70	5.3	7.22	10.07	8.0	6.58	9.03	7.2	5.44	6.97	5.6
	0.40	14.7	7.22	9.76	5.8	6.53	8.60	5.1	5.89	7.39	4.4	7.79	11.18	6.7	7.09	10.02	6.0	5.79	7.62	4.6
	0.55	25.4	7.68	10.73	4.7	6.94	9.44	4.1	6.24	8.10	3.5	8.30	12.31	5.4	7.56	11.03	4.8	6.10	8.28	3.6

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	0.03	2.3	0.94	7.6	1.42	11.3	1.89	15.1	2.37	18.9	2.84	22.7	0.85	6.8	1.32	10.6	1.80	14.4	2.27	18.1	2.75	21.9
	0.05	5.6	1.03	5.0	1.55	7.4	2.07	9.9	2.59	12.4	3.11	14.9	0.93	4.5	1.45	7.0	1.97	9.4	2.49	11.9	3.01	14.4
	0.08	12.6	1.10	3.3	1.65	4.9	2.20	6.6	2.75	8.2	3.30	9.9	0.99	3.0	1.54	4.6	2.09	6.3	2.64	7.9	3.19	9.6
	0.10	18.5	1.12	2.7	1.69	4.0	2.25	5.4	2.82	6.7	3.38	8.1	1.01	2.4	1.58	3.8	2.14	5.1	2.70	6.5	3.27	7.8
400	0.03	3.3	1.30	10.4	1.96	15.6	2.61	20.8	3.27	26.1	3.92	31.3	1.17	9.4	1.83	14.6	2.48	19.8	3.14	25.0	3.79	30.2
	0.05	8.0	1.47	7.1	2.21	10.6	2.95	14.1	3.69	17.7	4.43	21.2	1.33	6.4	2.06	9.9	2.80	13.4	3.54	16.9	4.28	20.5
	0.08	18.0	1.60	4.8	2.40	7.2	3.20	9.6	4.00	12.0	4.80	14.3	1.44	4.3	2.24	6.7	3.04	9.1	3.84	11.5	4.64	13.9
	0.10	26.4	1.64	3.9	2.47	5.9	3.29	7.9	4.12	9.9	4.94	11.8	1.48	3.5	2.30	5.5	3.13	7.5	3.95	9.5	4.78	11.4
600	0.03	3.8	1.51	12.0	2.26	18.1	3.02	24.1	3.77	30.1	4.53	36.1	1.36	10.8	2.11	16.8	2.87	22.9	3.62	28.9	4.38	34.9
	0.05	9.3	1.73	8.3	2.60	12.4	3.47	16.6	4.34	20.7	5.21	24.9	1.56	7.5	2.43	11.6	3.30	15.8	4.16	19.9	5.03	24.1
	0.08	20.9	1.90	5.7	2.85	8.5	3.81	11.4	4.76	14.2	5.71	17.1	1.71	5.1	2.66	8.0	3.61	10.8	4.57	13.7	5.52	16.5
	0.10	30.7	1.97	4.7	2.95	7.1	3.94	9.4	4.93	11.8	5.91	14.1	1.77	4.2	2.76	6.6	3.74	9.0	4.73	11.3	5.71	13.7
800	0.03	4.9	1.82	14.6	2.74	21.8	3.65	29.1	4.56	36.4	5.48	43.7	1.64	13.1	2.55	20.4	3.47	27.6	4.38	34.9	5.29	42.2
	0.05	12.0	2.16	10.3	3.24	15.5	4.32	20.6	5.40	25.8	6.48	31.0	1.94	9.3	3.02	14.5	4.10	19.6	5.18	24.8	6.26	29.9
	0.08	27.0	2.41	7.2	3.62	10.8	4.83	14.4	6.04	18.1	7.25	21.7	2.17	6.5	3.38	10.1	4.59	13.7	5.80	17.3	7.01	20.9
	0.10	39.7	2.52	6.0	3.78	9.0	5.04	12.1	6.30	15.1	7.56	18.1	2.27	5.4	3.53	8.4	4.79	11.4	6.05	14.5	7.31	17.5
1000	0.03	5.6	2.04	16.3	3.07	24.5	4.09	32.6	5.12	40.8	6.14	48.9	1.84	14.7	2.86	22.8	3.89	31.0	4.91	39.1	5.93	47.3
	0.05	13.6	2.47	11.8	3.70	17.7	4.94	23.6	6.18	29.5	7.41	35.4	2.22	10.6	3.46	16.5	4.69	22.4	5.93	28.4	7.17	34.3
	0.08	30.6	2.81	8.4	4.21	12.6	5.62	16.8	7.02	21.0	8.43	25.2	2.52	7.6	3.93	11.8	5.34	15.9	6.74	20.1	8.15	24.3
	0.10	45.1	2.95	7.0	4.42	10.6	5.90	14.1	7.37	17.6	8.85	21.1	2.65	6.3	4.13	9.9	5.60	13.4	7.08	16.9	8.55	20.4
1200	0.03	6.6	2.30	18.3	3.45	27.5	4.60	36.6	5.75	45.8	6.90	54.9	2.07	16.5	3.22	25.6	4.37	34.8	5.52	44.0	6.67	53.1
	0.05	16.0	2.84	13.6	4.26	20.4	5.68	27.2	7.10	34.0	8.53	40.8	2.55	12.2	3.98	19.0	5.40	25.8	6.82	32.6	8.24	39.4
	0.08	36.0	3.29	9.8	4.94	14.8	6.58	19.7	8.23	24.6	9.88	29.5	2.96	8.9	4.61	13.8	6.25	18.7	7.90	23.6	9.55	28.5
	0.09	44.2	3.39	9.0	5.09	13.5	6.79	18.0	8.49	22.5	10.18	27.0	3.05	8.1	4.75	12.6	6.45	17.1	8.15	21.6	9.84	26.1
1400	0.03	7.3	2.46	19.7	3.70	29.5	4.93	39.3	6.16	49.1	7.40	58.9	2.22	17.7	3.45	27.5	4.68	37.3	5.92	47.2	7.15	57.0
	0.05	17.7	3.10	14.8	4.65	22.2	6.20	29.6	7.75	37.0	9.30	44.4	2.79	13.3	4.34	20.7	5.89	28.1	7.44	35.6	8.99	43.0
	0.08	39.9	3.63	10.9	5.45	16.3	7.27	21.7	9.09	27.2	10.91	32.6	3.27	9.8	5.09	15.2	6.91	20.7	8.73	26.1	10.55	31.5
	0.09	48.9	3.76	10.0	5.64	15.0	7.52	20.0	9.40	25.0	11.29	30.0	3.38	9.0	5.26	14.0	7.15	19.0	9.03	24.0	10.91	29.0

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