Ceiling Recessed Model-Standard Model 4-Row, High Temperature Rise

SRC-4SW-HT 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	3.3	1.45	1.92	9.2	1.31	1.69	8.1	1.18	1.46	7.0	1.55	2.19	10.5	1.42	1.96	9.4	1.28	1.73	8.3
	0.10	11.0	1.78	2.53	6.1	1.61	2.23	5.3	1.45	1.91	4.6	1.92	2.91	7.0	1.75	2.60	6.2	1.58	2.29	5.5
	0.15	22.2	1.92	2.85	4.6	1.73	2.51	4.0	1.55	2.15	3.4	2.08	3.28	5.2	1.89	2.94	4.7	1.71	2.58	4.1
	0.20	36.6	1.99	3.06	3.7	1.80	2.69	3.2	1.61	2.30	2.7	2.16	3.53	4.2	1.96	3.16	3.8	1.77	2.76	3.3
400	0.05	4.8	1.82	2.45	11.7	1.65	2.16	10.4	1.49	1.87	8.9	1.94	2.78	13.3	1.77	2.50	12.0	1.61	2.20	10.6
	0.10	15.8	2.27	3.29	7.9	2.06	2.90	6.9	1.85	2.49	6.0	2.45	3.77	9.0	2.23	3.38	8.1	2.02	2.97	7.1
	0.15	31.9	2.47	3.74	6.0	2.23	3.29	5.3	2.00	2.82	4.5	2.67	4.30	6.9	2.43	3.85	6.1	2.20	3.38	5.4
	0.20	52.4	2.57	4.04	4.8	2.32	3.55	4.2	2.08	3.04	3.6	2.79	4.64	5.6	2.54	4.16	5.0	2.29	3.65	4.4
600	0.05	5.5	2.18	2.90	13.9	1.98	2.57	12.3	1.80	2.22	10.6	2.33	3.29	15.8	2.13	2.96	14.2	1.94	2.61	12.5
	0.10	18.4	2.84	4.06	9.7	2.57	3.58	8.6	2.32	3.08	7.4	3.06	4.63	11.1	2.79	4.15	9.9	2.53	3.66	8.7
	0.15	37.0	3.15	4.70	7.5	2.85	4.14	6.6	2.56	3.55	5.7	3.40	5.39	8.6	3.09	4.82	7.7	2.80	4.24	6.8
	0.17	46.0	3.23	4.89	6.9	2.92	4.30	6.0	2.62	3.69	5.2	3.49	5.61	7.9	3.18	5.02	7.1	2.87	4.41	6.2
800	0.05	7.2	2.56	3.42	16.3	2.33	3.02	14.5	2.12	2.62	12.5	2.73	3.87	18.5	2.50	3.48	16.6	2.27	3.07	14.7
	0.10	23.8	3.44	4.92	11.8	3.11	4.34	10.4	2.81	3.74	8.9	3.69	5.61	13.4	3.37	5.04	12.0	3.06	4.43	10.6
	0.13	37.5	3.73	5.49	10.1	3.37	4.84	8.9	3.04	4.16	7.7	4.01	6.28	11.6	3.66	5.63	10.4	3.32	4.95	9.1
	0.15	48.0	3.87	5.80	9.2	3.50	5.11	8.1	3.15	4.38	7.0	4.18	6.64	10.6	3.80	5.95	9.5	3.44	5.23	8.3
1000	0.10	4.1	3.79	4.99	11.9	3.44	4.41	10.6	3.12	3.81	9.1	4.06	5.68	13.6	3.70	5.10	12.2	3.37	4.50	10.8
	0.20	13.6	4.84	6.84	8.2	4.38	6.03	7.2	3.95	5.18	6.2	5.21	7.83	9.4	4.75	7.02	8.4	4.31	6.17	7.4
	0.30	27.4	5.31	7.84	6.2	4.80	6.90	5.5	4.31	5.91	4.7	5.74	9.00	7.2	5.22	8.06	6.4	4.72	7.08	5.6
	0.40	45.1	5.57	8.50	5.1	5.03	7.47	4.5	4.51	6.39	3.8	6.03	9.77	5.8	5.48	8.75	5.2	4.96	7.67	4.6
1200	0.10	4.8	4.39	5.75	13.7	3.99	5.09	12.2	3.63	4.40	10.5	4.69	6.52	15.6	4.28	5.86	14.0	3.90	5.17	12.4
	0.20	16.0	5.76	8.09	9.7	5.22	7.13	8.5	4.71	6.14	7.3	6.19	9.23	11.0	5.64	8.28	9.9	5.12	7.29	8.7
	0.30	32.2	6.40	9.39	7.5	5.79	8.27	6.6	5.21	7.10	5.7	6.90	10.76	8.6	6.29	9.64	7.7	5.70	8.47	6.7
	0.35	42.1	6.61	9.86	6.7	5.97	8.68	5.9	5.37	7.45	5.1	7.13	11.31	7.7	6.50	10.13	6.9	5.88	8.90	6.1
1400	0.10	5.3	4.74	6.19	14.8	4.31	5.48	13.1	3.91	4.75	11.4	5.06	7.01	16.8	4.62	6.30	15.1	4.21	5.57	13.3
	0.20	17.7	6.31	8.84	10.6	5.72	7.80	9.3	5.16	6.72	8.0	6.78	10.08	12.1	6.18	9.04	10.8	5.61	7.97	9.5
	0.30	35.7	7.07	10.35	8.2	6.40	9.11	7.3	5.76	7.83	6.2	7.62	11.85	9.4	6.94	10.62	8.5	6.29	9.33	7.4
	0.35	46.6	7.32	10.89	7.4	6.62	9.59	6.6	5.95	8.23	5.6	7.90	12.49	8.5	7.19	11.19	7.6	6.51	9.83	6.7

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	3.3	1.97	9.4	2.96	14.2	3.95	18.9	4.94	23.6	5.93	28.3	1.77	8.5	2.76	13.2	3.75	18.0	4.74	22.7	5.73	27.4
	0.10	11.0	2.25	5.4	3.38	8.1	4.51	10.8	5.64	13.5	6.77	16.2	2.03	4.9	3.16	7.6	4.28	10.2	5.41	12.9	6.54	15.6
	0.15	22.2	2.37	3.8	3.56	5.7	4.74	7.6	5.93	9.5	7.12	11.3	2.13	3.4	3.32	5.3	4.51	7.2	5.69	9.1	6.88	11.0
	0.20	36.6	2.43	2.9	3.65	4.4	4.87	5.8	6.09	7.3	7.31	8.7	2.19	2.6	3.41	4.1	4.63	5.5	5.85	7.0	7.07	8.4
400	0.05	4.8	2.47	11.8	3.71	17.7	4.95	23.7	6.18	29.6	7.42	35.5	2.22	10.6	3.46	16.6	4.70	22.5	5.94	28.4	7.18	34.3
	0.10	15.8	2.92	7.0	4.38	10.5	5.84	14.0	7.30	17.4	8.76	20.9	2.62	6.3	4.08	9.8	5.55	13.3	7.01	16.7	8.47	20.2
	0.15	31.9	3.11	5.0	4.66	7.4	6.22	9.9	7.78	12.4	9.33	14.9	2.80	4.5	4.35	6.9	5.91	9.4	7.47	11.9	9.02	14.4
	0.20	52.4	3.21	3.8	4.83	5.8	6.44	7.7	8.05	9.6	9.66	11.5	2.89	3.5	4.50	5.4	6.11	7.3	7.72	9.2	9.33	11.2
600	0.05	5.5	2.99	14.3	4.49	21.5	5.98	28.6	7.48	35.8	8.98	42.9	2.69	12.9	4.19	20.0	5.68	27.2	7.18	34.3	8.68	41.5
	0.10	18.4	3.66	8.8	5.50	13.1	7.33	17.5	9.17	21.9	11.00	26.3	3.30	7.9	5.13	12.3	6.96	16.6	8.80	21.0	10.63	25.4
	0.15	37.0	3.97	6.3	5.95	9.5	7.94	12.7	9.93	15.8	11.91	19.0	3.57	5.7	5.56	8.9	7.54	12.0	9.53	15.2	11.52	18.3
	0.17	46.0	4.05	5.7	6.07	8.5	8.10	11.4	10.13	14.2	12.15	17.1	3.64	5.1	5.67	8.0	7.70	10.8	9.72	13.7	11.75	16.5
800	0.05	7.2	3.49	16.7	5.24	25.1	6.99	33.4	8.74	41.8	10.49	50.1	3.14	15.0	4.89	23.4	6.64	31.8	8.39	40.1	10.14	48.5
	0.10	23.8	4.44	10.6	6.66	15.9	8.88	21.2	11.11	26.5	13.33	31.9	4.00	9.6	6.22	14.9	8.44	20.2	10.66	25.5	12.89	30.8
	0.13	37.5	4.74	8.7	7.11	13.1	9.49	17.4	11.86	21.8	14.23	26.2	4.27	7.8	6.64	12.2	9.01	16.6	11.38	20.9	13.76	25.3
	0.15	48.0	4.89	7.8	7.34	11.7	9.78	15.6	12.23	19.5	14.68	23.4	4.40	7.0	6.85	10.9	9.29	14.8	11.74	18.7	14.19	22.6
1000	0.10	4.1	5.20	12.4	7.80	18.6	10.40	24.8	13.00	31.1	15.60	37.3	4.67	11.2	7.28	17.4	9.88	23.6	12.48	29.8	15.08	36.0
	0.20	13.6	6.19	7.4	9.29	11.1	12.39	14.8	15.49	18.5	18.59	22.2	5.57	6.7	8.67	10.4	11.77	14.1	14.87	17.8	17.97	21.5
	0.30	27.4	6.63	5.3	9.95	7.9	13.26	10.6	16.58	13.2	19.89	15.8	5.96	4.8	9.28	7.4	12.60	10.0	15.92	12.7	19.23	15.3
	0.40	45.1	6.88	4.1	10.32	6.2	13.76	8.2	17.20	10.3	20.64	12.3	6.19	3.7	9.63	5.8	13.07	7.8	16.51	9.9	19.95	11.9
1200	0.10	4.8	6.06	14.5	9.09	21.7	12.13	29.0	15.16	36.2	18.20	43.5	5.45	13.0	8.49	20.3	11.52	27.5	14.55	34.8	17.59	42.0
	0.20	16.0	7.46	8.9	11.18	13.4	14.92	17.8	18.65	22.3	22.38	26.7	6.71	8.0	10.44	12.5	14.17	16.9	17.90	21.4	21.63	25.8
	0.30	32.2	8.09	6.4	12.14	9.7	16.18	12.9	20.23	16.1	24.28	19.3	7.28	5.8	11.33	9.0	15.37	12.2	19.42	15.5	23.47	18.7
	0.35	42.1	8.29	5.7	12.45	8.5	16.60	11.3	20.75	14.2	24.89	17.0	7.46	5.1	11.62	7.9	15.77	10.8	19.92	13.6	24.07	16.4
1400	0.10	5.3	6.53	15.6	9.79	23.4	13.06	31.2	16.32	39.0	19.59	46.8	5.87	14.0	9.14	21.8	12.40	29.6	15.67	37.4	18.93	45.2
	0.20	17.7	8.16	9.8	12.25	14.6	16.33	19.5	20.41	24.4	24.50	29.3	7.35	8.8	11.43	13.7	15.51	18.5	19.60	23.4	23.68	28.3
	0.30	35.7	8.92	7.1	13.39	10.7	17.85	14.2	22.32	17.8	26.78	21.3	8.03	6.4	12.50	10.0	16.96	13.5	21.43	17.1	25.89	20.6
	0.35	46.6	9.17	6.3	13.76	9.4	18.35	12.5	22.94	15.7	27.53	18.8	8.26	5.6	12.84	8.8	17.43	11.9	22.02	15.0	26.61	18.2

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