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

SRC-2SW-HT 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	3.3	1.43	1.89	9.1	1.29	1.67	8.0	1.17	1.44	6.9	1.53	2.16	10.4	1.40	1.94	9.3	1.27	1.71	8.2
	0.10	11.0	1.75	2.50	6.0	1.58	2.20	5.3	1.42	1.88	4.5	1.89	2.87	6.9	1.72	2.57	6.1	1.56	2.26	5.4
	0.15	22.2	1.88	2.81	4.5	1.70	2.47	3.9	1.52	2.11	3.4	2.04	3.24	5.2	1.86	2.90	4.6	1.68	2.54	4.1
	0.20	36.6	1.95	3.01	3.6	1.76	2.65	3.2	1.58	2.26	2.7	2.12	3.47	4.2	1.93	3.11	3.7	1.74	2.72	3.3
400	0.05	4.8	1.84	2.47	11.8	1.67	2.18	10.5	1.51	1.89	9.0	1.97	2.81	13.5	1.80	2.52	12.1	1.63	2.23	10.7
	0.10	15.8	2.31	3.34	8.0	2.09	2.94	7.0	1.88	2.53	6.0	2.49	3.82	9.1	2.27	3.43	8.2	2.05	3.01	7.2
	0.15	31.9	2.51	3.80	6.1	2.27	3.34	5.3	2.04	2.87	4.6	2.72	4.37	7.0	2.47	3.91	6.2	2.24	3.43	5.5
	0.20	52.4	2.63	4.11	4.9	2.37	3.61	4.3	2.13	3.09	3.7	2.84	4.72	5.6	2.59	4.23	5.1	2.34	3.71	4.4
600	0.05	5.5	2.26	2.98	14.3	2.05	2.64	12.6	1.86	2.28	10.9	2.41	3.38	16.2	2.20	3.04	14.5	2.01	2.68	12.8
	0.10	18.4	2.97	4.21	10.1	2.69	3.71	8.9	2.43	3.19	7.6	3.20	4.81	11.5	2.91	4.31	10.3	2.64	3.79	9.1
	0.15	37.0	3.31	4.90	7.8	3.00	4.31	6.9	2.69	3.70	5.9	3.58	5.62	9.0	3.26	5.03	8.0	2.95	4.42	7.0
	0.17	46.0	3.40	5.10	7.2	3.08	4.49	6.3	2.76	3.85	5.4	3.68	5.86	8.2	3.35	5.24	7.4	3.03	4.60	6.5
800	0.05	7.2	2.54	3.39	16.2	2.31	3.00	14.4	2.09	2.60	12.4	2.71	3.84	18.4	2.47	3.45	16.5	2.25	3.05	14.6
	0.10	23.8	3.40	4.87	11.7	3.08	4.30	10.3	2.77	3.70	8.9	3.65	5.56	13.3	3.33	4.99	11.9	3.02	4.39	10.5
	0.13	37.5	3.68	5.43	10.0	3.33	4.79	8.8	3.00	4.11	7.6	3.96	6.22	11.4	3.61	5.57	10.2	3.27	4.90	9.0
	0.15	48.0	3.82	5.73	9.1	3.45	5.05	8.0	3.11	4.33	6.9	4.12	6.57	10.5	3.75	5.88	9.4	3.40	5.17	8.2
1000	0.10	4.1	3.89	5.09	12.2	3.53	4.50	10.8	3.20	3.89	9.3	4.16	5.79	13.8	3.80	5.20	12.4	3.45	4.58	11.0
	0.20	13.6	5.00	7.03	8.4	4.53	6.19	7.4	4.08	5.32	6.4	5.39	8.04	9.6	4.91	7.21	8.6	4.45	6.34	7.6
	0.30	27.4	5.50	8.08	6.4	4.97	7.11	5.7	4.47	6.10	4.9	5.95	9.28	7.4	5.41	8.31	6.6	4.90	7.29	5.8
	0.40	45.1	5.78	8.77	5.2	5.22	7.71	4.6	4.68	6.60	3.9	6.26	10.09	6.0	5.70	9.03	5.4	5.15	7.92	4.7
1200	0.10	4.8	4.52	5.87	14.0	4.10	5.19	12.4	3.73	4.50	10.8	4.82	6.66	15.9	4.40	5.98	14.3	4.01	5.28	12.6
	0.20	16.0	5.98	8.33	10.0	5.42	7.35	8.8	4.89	6.33	7.6	6.42	9.51	11.4	5.86	8.53	10.2	5.31	7.51	9.0
	0.30	32.2	6.67	9.72	7.7	6.04	8.56	6.8	5.43	7.35	5.9	7.20	11.14	8.9	6.56	9.98	7.9	5.94	8.77	7.0
	0.35	42.1	6.90	10.22	7.0	6.24	9.00	6.1	5.61	7.72	5.3	7.45	11.72	8.0	6.78	10.50	7.2	6.14	9.22	6.3
1400	0.10	5.3	4.75	6.20	14.8	4.32	5.49	13.1	3.92	4.76	11.4	5.07	7.02	16.8	4.63	6.31	15.1	4.21	5.58	13.3
	0.20	17.7	6.33	8.86	10.6	5.73	7.82	9.3	5.18	6.73	8.0	6.80	10.11	12.1	6.20	9.07	10.8	5.62	7.98	9.5
	0.30	35.7	7.09	10.38	8.3	6.42	9.14	7.3	5.78	7.85	6.3	7.65	11.88	9.5	6.96	10.65	8.5	6.31	9.36	7.5
	0.35	46.6	7.34	10.93	7.5	6.64	9.62	6.6	5.97	8.25	5.6	7.92	12.52	8.6	7.22	11.22	7.7	6.53	9.86	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	1.94	9.3	2.91	13.9	3.88	18.6	4.85	23.2	5.83	27.9	1.74	8.4	2.72	13.0	3.69	17.6	4.66	22.3	5.63	26.9
	0.10	11.0	2.21	5.3	3.32	7.9	4.42	10.6	5.53	13.2	6.64	15.9	1.99	4.8	3.09	7.4	4.20	10.0	5.31	12.7	6.41	15.3
	0.15	22.2	2.32	3.7	3.48	5.6	4.65	7.4	5.81	9.3	6.97	11.1	2.09	3.3	3.25	5.2	4.41	7.0	5.58	8.9	6.74	10.7
	0.20	36.6	2.38	2.9	3.58	4.3	4.77	5.7	5.96	7.1	7.16	8.6	2.14	2.6	3.34	4.0	4.53	5.4	5.73	6.8	6.92	8.3
400	0.05	4.8	2.50	12.0	3.76	18.0	5.01	24.0	6.26	29.9	7.52	35.9	2.25	10.8	3.50	16.8	4.76	22.8	6.01	28.7	7.27	34.7
	0.10	15.8	2.96	7.1	4.44	10.6	5.92	14.2	7.41	17.7	8.89	21.2	2.66	6.4	4.15	9.9	5.63	13.5	7.11	17.0	8.59	20.5
	0.15	31.9	3.16	5.0	4.74	7.6	6.32	10.1	7.90	12.6	9.48	15.1	2.84	4.5	4.42	7.0	6.00	9.6	7.58	12.1	9.16	14.6
	0.20	52.4	3.27	3.9	4.90	5.9	6.54	7.8	8.18	9.8	9.81	11.7	2.94	3.5	4.58	5.5	6.21	7.4	7.85	9.4	9.49	11.3
600	0.05	5.5	3.10	14.8	4.65	22.2	6.20	29.6	7.75	37.0	9.30	44.5	2.79	13.3	4.34	20.7	5.89	28.2	7.44	35.6	8.99	43.0
	0.10	18.4	3.83	9.2	5.74	13.7	7.66	18.3	9.57	22.9	11.49	27.5	3.44	8.2	5.36	12.8	7.27	17.4	9.19	22.0	11.11	26.5
	0.15	37.0	4.16	6.6	6.24	9.9	8.32	13.3	10.41	16.6	12.49	19.9	3.74	6.0	5.83	9.3	7.91	12.6	9.99	15.9	12.07	19.2
	0.17	46.0	4.25	6.0	6.38	9.0	8.50	12.0	10.63	14.9	12.76	17.9	3.82	5.4	5.95	8.4	8.08	11.4	10.20	14.3	12.33	17.3
800	0.05	7.2	3.45	16.5	5.17	24.7	6.90	33.0	8.63	41.2	10.35	49.5	3.10	14.8	4.83	23.1	6.56	31.3	8.28	39.6	10.01	47.8
	0.10	23.8	4.37	10.4	6.55	15.7	8.74	20.9	10.93	26.1	13.11	31.3	3.93	9.4	6.12	14.6	8.30	19.8	10.49	25.1	12.68	30.3
	0.13	37.5	4.66	8.6	6.99	12.9	9.32	17.1	11.65	21.4	13.99	25.7	4.19	7.7	6.52	12.0	8.86	16.3	11.19	20.6	13.52	24.9
	0.15	48.0	4.80	7.7	7.20	11.5	9.61	15.3	12.01	19.1	14.41	23.0	4.32	6.9	6.72	10.7	9.13	14.5	11.53	18.4	13.93	22.2
1000	0.10	4.1	5.33	12.7	8.00	19.1	10.66	25.5	13.33	31.9	16.00	38.2	4.80	11.5	7.46	17.8	10.13	24.2	12.80	30.6	15.47	37.0
	0.20	13.6	6.39	7.6	9.58	11.4	12.78	15.3	15.97	19.1	19.17	22.9	5.75	6.9	8.94	10.7	12.14	14.5	15.33	18.3	18.53	22.1
	0.30	27.4	6.85	5.5	10.28	8.2	13.71	10.9	17.13	13.6	20.56	16.4	6.16	4.9	9.59	7.6	13.02	10.4	16.45	13.1	19.88	15.8
	0.40	45.1	7.12	4.3	10.68	6.4	14.24	8.5	17.80	10.6	21.36	12.8	6.40	3.8	9.96	6.0	13.53	8.1	17.09	10.2	20.65	12.3
1200	0.10	4.8	6.23	14.9	9.35	22.3	12.46	29.8	15.58	37.2	18.70	44.7	5.61	13.4	8.72	20.9	11.84	28.3	14.96	35.7	18.08	43.2
	0.20	16.0	7.71	9.2	11.57	13.8	15.43	18.4	19.29	23.0	23.15	27.7	6.94	8.3	10.80	12.9	14.66	17.5	18.52	22.1	22.37	26.7
	0.30	32.2	8.39	6.7	12.59	10.0	16.79	13.4	20.99	16.7	25.19	20.1	7.55	6.0	11.75	9.4	15.95	12.7	20.15	16.1	24.35	19.4
	0.35	42.1	8.61	5.9	12.93	8.8	17.24	11.8	21.54	14.7	25.85	17.7	7.75	5.3	12.06	8.2	16.37	11.2	20.68	14.1	24.99	17.1
1400	0.10	5.3	6.54	15.6	9.81	23.4	13.08	31.3	16.35	39.1	19.62	46.9	5.88	14.1	9.15	21.9	12.42	29.7	15.69	37.5	18.97	45.3
	0.20	17.7	8.18	9.8	12.27	14.7	16.37	19.6	20.46	24.4	24.55	29.3	7.36	8.8	11.45	13.7	15.55	18.6	19.64	23.5	23.73	28.4
	0.30	35.7	8.95	7.1	13.42	10.7	17.90	14.3	22.37	17.8	26.85	21.4	8.05	6.4	12.53	10.0	17.00	13.5	21.48	17.1	25.95	20.7
	0.35	46.6	9.20	6.3	13.80	9.4	18.40	12.6	23.00	15.7	27.60	18.8	8.28	5.7	12.88	8.8	17.48	11.9	22.08	15.1	26.68	18.2

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