Ceiling Recessed Model-Standard Model 4-Row Cooling/Heating

SRC-2SW-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	1.21	1.51	7.2	1.10	1.33	6.4	1.00	1.15	5.5	1.30	1.72	8.2	1.19	1.54	7.4	1.08	1.36	6.5
	0.10	1.7	1.62	2.15	5.1	1.47	1.89	4.5	1.32	1.63	3.9	1.75	2.46	5.9	1.59	2.21	5.3	1.44	1.94	4.6
	0.15	3.4	1.80	2.49	4.0	1.63	2.19	3.5	1.46	1.88	3.0	1.95	2.86	4.6	1.78	2.56	4.1	1.61	2.25	3.6
	0.20	5.6	1.90	2.71	3.2	1.72	2.38	2.8	1.54	2.04	2.4	2.06	3.12	3.7	1.88	2.79	3.3	1.69	2.45	2.9
400	0.10	2.4	2.18	2.93	7.0	1.98	2.58	6.2	1.78	2.22	5.3	2.35	3.35	8.0	2.14	3.00	7.2	1.94	2.64	6.3
	0.15	4.8	2.44	3.41	5.4	2.21	3.00	4.8	1.98	2.58	4.1	2.64	3.91	6.2	2.40	3.51	5.6	2.17	3.08	4.9
	0.20	8.0	2.58	3.73	4.5	2.33	3.28	3.9	2.10	2.81	3.4	2.80	4.28	5.1	2.54	3.83	4.6	2.30	3.36	4.0
	0.25	11.7	2.67	3.95	3.8	2.41	3.47	3.3	2.16	2.97	2.8	2.90	4.55	4.4	2.63	4.07	3.9	2.38	3.57	3.4
600	0.10	2.8	2.79	3.66	8.8	2.52	3.23	7.7	2.28	2.79	6.7	2.99	4.18	10.0	2.73	3.75	9.0	2.48	3.30	7.9
	0.15	5.6	3.19	4.37	7.0	2.89	3.85	6.1	2.60	3.31	5.3	3.44	5.01	8.0	3.13	4.49	7.2	2.84	3.94	6.3
	0.20	9.3	3.43	4.85	5.8	3.10	4.26	5.1	2.79	3.65	4.4	3.71	5.56	6.6	3.38	4.98	6.0	3.05	4.37	5.2
	0.30	18.7	3.70	5.45	4.3	3.34	4.79	3.8	2.99	4.10	3.3	4.01	6.28	5.0	3.64	5.62	4.5	3.29	4.92	3.9
800	0.15	7.3	3.72	5.17	8.2	3.37	4.55	7.3	3.03	3.91	6.2	4.01	5.92	9.4	3.65	5.30	8.5	3.31	4.66	7.4
	0.20	12.0	4.02	5.75	6.9	3.63	5.06	6.0	3.26	4.34	5.2	4.34	6.60	7.9	3.95	5.91	7.1	3.57	5.19	6.2
	0.25	17.6	4.21	6.18	5.9	3.80	5.43	5.2	3.41	4.65	4.4	4.56	7.10	6.8	4.15	6.36	6.1	3.75	5.57	5.3
	0.30	24.1	4.35	6.51	5.2	3.92	5.72	4.6	3.51	4.89	3.9	4.71	7.49	6.0	4.29	6.70	5.3	3.87	5.88	4.7
1000	0.20	2.1	4.63	6.06	7.2	4.20	5.34	6.4	3.79	4.60	5.5	4.99	6.92	8.3	4.54	6.20	7.4	4.12	5.46	6.5
	0.30	4.2	5.26	7.17	5.7	4.76	6.31	5.0	4.28	5.42	4.3	5.68	8.22	6.5	5.17	7.36	5.9	4.68	6.46	5.2
	0.40	6.9	5.63	7.89	4.7	5.08	6.94	4.1	4.57	5.95	3.6	6.09	9.07	5.4	5.54	8.12	4.9	5.01	7.12	4.3
	0.50	10.1	5.86	8.42	4.0	5.29	7.40	3.5	4.74	6.33	3.0	6.35	9.68	4.6	5.77	8.67	4.1	5.22	7.60	3.6
1200	0.20	2.4	5.54	7.19	8.6	5.03	6.35	7.6	4.55	5.48	6.5	5.95	8.20	9.8	5.43	7.36	8.8	4.93	6.48	7.7
	0.30	4.9	6.39	8.63	6.9	5.78	7.60	6.1	5.21	6.54	5.2	6.88	9.87	7.9	6.27	8.85	7.0	5.68	7.78	6.2
	0.40	8.1	6.88	9.58	5.7	6.23	8.43	5.0	5.60	7.24	4.3	7.44	10.99	6.6	6.77	9.84	5.9	6.13	8.64	5.2
	0.50	11.8	7.21	10.27	4.9	6.52	9.04	4.3	5.85	7.74	3.7	7.80	11.80	5.6	7.10	10.57	5.1	6.42	9.27	4.4
1400	0.20	2.7	5.91	7.70	9.2	5.36	6.79	8.1	4.85	5.86	7.0	6.34	8.77	10.5	5.78	7.87	9.4	5.25	6.93	8.3
	0.30	5.4	6.82	9.24	7.4	6.17	8.15	6.5	5.56	7.01	5.6	7.34	10.58	8.4	6.69	9.48	7.6	6.06	8.34	6.6
	0.40	8.9	7.36	10.28	6.1	6.65	9.05	5.4	5.99	7.77	4.6	7.94	11.79	7.0	7.23	10.56	6.3	6.55	9.28	5.5
	0.55	15.5	7.85	11.35	4.9	7.09	9.98	4.3	6.37	8.55	3.7	8.49	13.04	5.7	7.73	11.68	5.1	6.99	10.24	4.5

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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	1.93	9.2	2.89	13.9	3.86	18.5	4.83	23.1	5.79	27.7	1.73	8.3	2.70	12.9	3.67	17.5	4.63	22.2	5.60	26.8
	0.10	1.7	2.19	5.3	3.29	7.9	4.39	10.5	5.49	13.1	6.59	15.8	1.97	4.7	3.07	7.4	4.17	10.0	5.27	12.6	6.37	15.2
	0.15	3.4	2.30	3.7	3.46	5.5	4.61	7.4	5.77	9.2	6.92	11.0	2.07	3.3	3.23	5.1	4.38	7.0	5.54	8.8	6.69	10.7
	0.20	5.6	2.37	2.8	3.55	4.2	4.74	5.7	5.92	7.1	7.11	8.5	2.13	2.5	3.31	4.0	4.50	5.4	5.68	6.8	6.87	8.2
400	0.10	2.4	2.94	7.0	4.42	10.6	5.89	14.1	7.37	17.6	8.84	21.1	2.65	6.3	4.12	9.9	5.60	13.4	7.07	16.9	8.55	20.4
	0.15	4.8	3.14	5.0	4.71	7.5	6.28	10.0	7.85	12.5	9.42	15.0	2.82	4.5	4.39	7.0	5.97	9.5	7.54	12.0	9.11	14.5
	0.20	8.0	3.25	3.9	4.87	5.8	6.50	7.8	8.13	9.7	9.75	11.7	2.92	3.5	4.55	5.4	6.18	7.4	7.80	9.3	9.43	11.3
	0.25	11.7	3.32	3.2	4.98	4.8	6.64	6.4	8.30	7.9	9.97	9.5	2.99	2.9	4.65	4.4	6.31	6.0	7.97	7.6	9.63	9.2
600	0.10	2.8	3.80	9.1	5.71	13.6	7.61	18.2	9.51	22.7	11.42	27.3	3.42	8.2	5.32	12.7	7.23	17.3	9.13	21.8	11.04	26.4
	0.15	5.6	4.13	6.6	6.20	9.9	8.27	13.2	10.33	16.5	12.40	19.8	3.72	5.9	5.79	9.2	7.85	12.5	9.92	15.8	11.99	19.1
	0.20	9.3	4.32	5.2	6.48	7.8	8.65	10.3	10.81	12.9	12.97	15.5	3.89	4.7	6.05	7.2	8.22	9.8	10.38	12.4	12.54	15.0
	0.30	18.7	4.54	3.6	6.81	5.4	9.08	7.2	11.35	9.0	13.62	10.8	4.08	3.3	6.35	5.1	8.62	6.9	10.89	8.7	13.17	10.5
800	0.15	7.3	4.77	7.6	7.16	11.4	9.55	15.2	11.94	19.0	14.33	22.8	4.30	6.8	6.68	10.7	9.07	14.5	11.46	18.3	13.85	22.1
	0.20	12.0	5.02	6.0	7.54	9.0	10.05	12.0	12.57	15.0	15.08	18.0	4.52	5.4	7.04	8.4	9.55	11.4	12.07	14.4	14.58	17.4
	0.25	17.6	5.19	5.0	7.79	7.4	10.39	9.9	12.98	12.4	15.58	14.9	4.67	4.5	7.27	7.0	9.87	9.4	12.47	11.9	15.06	14.4
	0.30	24.1	5.31	4.2	7.97	6.3	10.62	8.5	13.28	10.6	15.94	12.7	4.78	3.8	7.44	5.9	10.09	8.0	12.75	10.2	15.41	12.3
1000	0.20	2.1	6.34	7.6	9.51	11.4	12.69	15.2	15.86	18.9	19.03	22.7	5.71	6.8	8.88	10.6	12.05	14.4	15.22	18.2	18.40	22.0
	0.30	4.2	6.80	5.4	10.20	8.1	13.60	10.8	17.00	13.5	20.40	16.3	6.12	4.9	9.52	7.6	12.92	10.3	16.32	13.0	19.72	15.7
	0.40	6.9	7.06	4.2	10.59	6.3	14.12	8.4	17.66	10.5	21.19	12.7	6.35	3.8	9.88	5.9	13.42	8.0	16.95	10.1	20.48	12.2
	0.50	10.1	7.23	3.5	10.85	5.2	14.47	6.9	18.08	8.6	21.70	10.4	6.51	3.1	10.12	4.8	13.74	6.6	17.36	8.3	20.98	10.0
1200	0.20	2.4	7.66	9.2	11.49	13.7	15.32	18.3	19.15	22.9	22.98	27.5	6.89	8.2	10.72	12.8	14.55	17.4	18.38	22.0	22.21	26.5
	0.30	4.9	8.33	6.6	12.49	10.0	16.66	13.3	20.82	16.6	24.99	19.9	7.49	6.0	11.66	9.3	15.82	12.6	19.99	15.9	24.16	19.2
	0.40	8.1	8.72	5.2	13.08	7.8	17.44	10.4	21.80	13.0	26.16	15.6	7.84	4.7	12.21	7.3	16.57	9.9	20.93	12.5	25.29	15.1
	0.50	11.8	8.97	4.3	13.46	6.4	17.95	8.6	22.45	10.7	26.93	12.9	8.08	3.9	12.57	6.0	17.06	8.2	21.55	10.3	26.04	12.4
1400	0.20	2.7	8.12	9.7	12.19	14.6	16.25	19.4	20.32	24.3	24.38	29.1	7.31	8.7	11.38	13.6	15.44	18.4	19.51	23.3	23.57	28.2
	0.30	5.4	8.88	7.1	13.32	10.6	17.76	14.1	22.20	17.7	26.65	21.2	7.99	6.4	12.43	9.9	16.87	13.4	21.32	17.0	25.76	20.5
	0.40	8.9	9.32	5.6	13.98	8.4	18.64	11.1	23.31	13.9	27.97	16.7	8.39	5.0	13.05	7.8	17.71	10.6	22.37	13.4	27.04	16.2
	0.55	15.5	9.72	4.2	14.59	6.3	19.46	8.5	24.32	10.6	29.18	12.7	8.75	3.8	13.62	5.9	18.48	8.0	23.35	10.1	28.21	12.3

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