

Ceiling Recessed Model-Standard Model 3-Row Cooling, 1-Row Heating

SRC-2SW-DC2

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	0.8	1.17	1.42	6.8	1.06	1.26	6.0	0.96	1.09	5.2	1.26	1.62	7.8	1.15	1.45	7.0	1.04	1.28	6.1
	0.10	2.8	1.53	1.98	4.7	1.38	1.74	4.2	1.24	1.50	3.6	1.65	2.27	5.4	1.50	2.03	4.9	1.36	1.78	4.3
	0.15	5.6	1.68	2.27	3.6	1.52	1.99	3.2	1.36	1.71	2.7	1.82	2.61	4.2	1.66	2.33	3.7	1.50	2.05	3.3
	0.20	9.2	1.77	2.45	2.9	1.59	2.15	2.6	1.43	1.84	2.2	1.92	2.82	3.4	1.74	2.53	3.0	1.57	2.21	2.7
400	0.10	3.9	2.07	2.71	6.5	1.88	2.39	5.7	1.69	2.06	4.9	2.23	3.11	7.4	2.03	2.78	6.7	1.84	2.45	5.9
	0.15	8.0	2.30	3.14	5.0	2.08	2.76	4.4	1.87	2.37	3.8	2.48	3.60	5.7	2.26	3.22	5.1	2.05	2.83	4.5
	0.20	13.1	2.42	3.41	4.1	2.19	3.00	3.6	1.96	2.57	3.1	2.62	3.92	4.7	2.39	3.51	4.2	2.16	3.08	3.7
	0.25	19.3	2.50	3.60	3.4	2.26	3.16	3.0	2.02	2.71	2.6	2.71	4.15	4.0	2.47	3.71	3.6	2.23	3.25	3.1
600	0.10	4.6	2.64	3.40	8.1	2.39	3.00	7.2	2.16	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	4.00	6.4	2.71	3.53	5.6	2.44	3.03	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	3.87	4.6	2.60	3.32	4.0	3.46	5.06	6.0	3.15	4.53	5.4	2.84	3.97	4.8
	0.30	30.7	3.42	4.92	3.9	3.09	4.32	3.4	2.77	3.70	2.9	3.71	5.66	4.5	3.37	5.06	4.0	3.04	4.44	3.5
800	0.15	12.0	3.51	4.76	7.6	3.17	4.19	6.7	2.86	3.60	5.7	3.78	5.45	8.7	3.44	4.88	7.8	3.12	4.29	6.8
	0.20	19.7	3.76	5.25	6.3	3.40	4.62	5.5	3.05	3.96	4.7	4.07	6.03	7.2	3.70	5.40	6.5	3.35	4.74	5.7
	0.25	29.0	3.93	5.62	5.4	3.54	4.94	4.7	3.18	4.23	4.0	4.25	6.46	6.2	3.87	5.78	5.5	3.50	5.07	4.8
	0.30	39.7	4.04	5.90	4.7	3.65	5.18	4.1	3.27	4.43	3.5	4.38	6.79	5.4	3.99	6.07	4.8	3.60	5.32	4.2
1000	0.20	3.4	4.38	5.59	6.7	3.96	4.93	5.9	3.58	4.25	5.1	4.71	6.39	7.6	4.29	5.73	6.8	3.89	5.04	6.0
	0.30	6.9	4.91	6.53	5.2	4.44	5.75	4.6	4.00	4.94	3.9	5.31	7.49	6.0	4.83	6.71	5.3	4.37	5.89	4.7
	0.40	11.3	5.22	7.14	4.3	4.72	6.28	3.8	4.24	5.39	3.2	5.65	8.21	4.9	5.14	7.35	4.4	4.65	6.45	3.9
	0.50	16.6	5.41	7.58	3.6	4.89	6.67	3.2	4.38	5.71	2.7	5.87	8.72	4.2	5.34	7.81	3.7	4.82	6.85	3.3
1200	0.20	4.0	5.25	6.66	8.0	4.76	5.88	7.0	4.31	5.08	6.1	5.64	7.60	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	4.87	5.97	4.8	6.44	9.02	7.2	5.86	8.08	6.4	5.31	7.10	5.7
	0.40	13.2	6.39	8.68	5.2	5.78	7.64	4.6	5.20	6.56	3.9	6.91	9.96	5.9	6.29	8.92	5.3	5.69	7.83	4.7
	0.50	19.5	6.66	9.26	4.4	6.02	8.15	3.9	5.41	6.98	3.3	7.21	10.64	5.1	6.56	9.52	4.6	5.93	8.36	4.0
1400	0.20	4.4	5.61	7.14	8.5	5.08	6.31	7.5	4.60	5.44	6.5	6.02	8.14	9.7	5.49	7.30	8.7	4.98	6.43	7.7
	0.30	8.9	6.39	8.46	6.7	5.78	7.46	5.9	5.21	6.42	5.1	6.89	9.68	7.7	6.27	8.68	6.9	5.11	6.62	5.3
	0.40	14.7	6.85	9.34	5.6	6.19	8.22	4.9	5.57	7.06	4.2	7.40	10.71	6.4	6.73	9.59	5.7	5.42	7.22	4.3
	0.55	25.4	7.26	10.24	4.4	6.56	9.00	3.9	5.89	7.71	3.4	7.86	11.76	5.1	7.15	10.53	4.6	5.69	7.82	3.4

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	0.91	7.3	1.37	11.0	1.83	14.6	2.29	18.3	2.75	21.9	0.82	6.6	1.28	10.2	1.74	13.9	2.20	17.6	2.66	21.2
	0.05	5.6	1.00	4.8	1.50	7.2	2.00	9.6	2.50	12.0	3.00	14.4	0.90	4.3	1.40	6.7	1.90	9.1	2.40	11.5	2.90	13.9
	0.08	12.6	1.06	3.2	1.59	4.8	2.12	6.3	2.65	7.9	3.18	9.5	0.95	2.9	1.48	4.4	2.01	6.0	2.54	7.6	3.07	9.2
	0.10	18.5	1.08	2.6	1.62	3.9	2.17	5.2	2.71	6.5	3.25	7.8	0.97	2.3	1.51	3.6	2.06	4.9	2.60	6.3	3.14	7.5
400	0.03	3.3	1.23	9.8	1.84	14.7	2.46	19.6	3.07	24.5	3.69	29.4	1.10	8.8	1.72	13.7	2.33	18.6	2.95	23.5	3.57	28.4
	0.05	8.0	1.37	6.6	2.06	9.9	2.75	13.2	3.44	16.5	4.13	19.8	1.24	5.9	1.93	9.2	2.62	12.5	3.31	15.8	4.00	19.1
	0.08	18.0	1.48	4.4	2.22	6.7	2.97	8.9	3.71	11.1	4.45	13.3	1.33	4.0	2.08	6.2	2.82	8.4	3.56	10.7	4.30	12.9
	0.10	26.4	1.52	3.7	2.29	5.5	3.05	7.3	3.81	9.1	4.58	11.0	1.37	3.3	2.13	5.1	2.90	6.9	3.66	8.8	4.43	10.6
600	0.03	3.8	1.50	12.0	2.25	18.0	3.01	24.0	3.76	30.0	4.51	36.0	1.35	10.8	2.10	16.8	2.85	22.8	3.61	28.8	4.36	34.8
	0.05	9.3	1.72	8.3	2.59	12.4	3.45	16.5	4.32	20.7	5.18	24.8	1.55	7.4	2.42	11.6	3.28	15.7	4.14	19.8	5.01	24.0
	0.08	20.9	1.89	5.7	2.84	8.5	3.79	11.3	4.73	14.2	5.68	17.0	1.70	5.1	2.65	7.9	3.60	10.8	4.54	13.6	5.49	16.4
	0.10	30.7	1.96	4.7	2.94	7.0	3.92	9.4	4.90	11.7	5.88	14.1	1.76	4.2	2.74	6.6	3.72	8.9	4.70	11.2	5.68	13.6
800	0.03	4.9	1.73	13.8	2.60	20.7	3.47	27.7	4.34	34.6	5.20	41.5	1.56	12.4	2.43	19.4	3.29	26.3	4.16	33.2	5.03	40.1
	0.05	12.0	2.03	9.7	3.05	14.6	4.06	19.4	5.08	24.3	6.10	29.2	1.83	8.7	2.84	13.6	3.86	18.5	4.88	23.3	5.89	28.2
	0.08	27.0	2.26	6.8	3.39	10.1	4.52	13.5	5.65	16.9	6.78	20.3	2.03	6.1	3.16	9.5	4.29	12.8	5.42	16.2	6.55	19.6
	0.10	39.7	2.35	5.6	3.52	8.4	4.70	11.2	5.87	14.0	7.05	16.9	2.11	5.1	3.29	7.9	4.46	10.7	5.64	13.5	6.82	16.3
1000	0.03	5.6	2.02	16.1	3.03	24.1	4.04	32.2	5.05	40.2	6.06	48.3	1.81	14.5	2.82	22.5	3.84	30.6	4.85	38.6	5.86	46.7
	0.05	13.6	2.43	11.6	3.65	17.4	4.86	23.3	6.08	29.1	7.30	34.9	2.19	10.5	3.40	16.3	4.62	22.1	5.84	27.9	7.05	33.7
	0.08	30.6	2.76	8.2	4.14	12.4	5.52	16.5	6.90	20.6	8.28	24.7	2.48	7.4	3.86	11.5	5.24	15.7	6.62	19.8	8.00	23.9
	0.10	45.1	2.89	6.9	4.34	10.4	5.79	13.8	7.23	17.3	8.68	20.7	2.60	6.2	4.05	9.7	5.50	13.1	6.94	16.6	8.39	20.1
1200	0.03	6.6	2.29	18.3	3.43	27.4	4.58	36.5	5.72	45.6	6.87	54.8	2.06	16.4	3.20	25.6	4.35	34.7	5.50	43.8	6.64	52.9
	0.05	16.0	2.83	13.5	4.24	20.3	5.66	27.1	7.07	33.8	8.49	40.6	2.54	12.2	3.96	18.9	5.37	25.7	6.79	32.5	8.21	39.2
	0.08	36.0	3.27	9.8	4.91	14.7	6.55	19.6	8.19	24.5	9.83	29.4	2.94	8.8	4.58	13.7	6.22	18.6	7.86	23.5	9.50	28.4
	0.09	44.2	3.37	9.0	5.06	13.5	6.75	17.9	8.44	22.4	10.13	26.9	3.04	8.1	4.73	12.6	6.41	17.0	8.10	21.5	9.79	26.0
1400	0.03	7.3	2.40	19.1	3.60	28.7	4.80	38.2	6.00	47.8	7.20	57.3	2.16	17.2	3.36	26.8	4.56	36.3	5.76	45.9	6.96	55.4
	0.05	17.7	2.99	14.3	4.49	21.5	5.99	28.6	7.48	35.8	8.98	42.9	2.69	12.9	4.19	20.0	5.69	27.2	7.18	34.3	8.68	41.5
	0.08	39.9	3.49	10.4	5.24	15.7	6.99	20.9	8.73	26.1	10.48	31.3	3.14	9.4	4.89	14.6	6.64	19.8	8.38	25.1	10.13	30.3
	0.09	48.9	3.60	9.6	5.41	14.4	7.21	19.2	9.02	24.0	10.82	28.7	3.24	8.6	5.05	13.4	6.85	18.2	8.66	23.0	10.46	27.8

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