Ceiling Recessed Model-High Static Model 4-Row Cooling/Heating

SRC-2HW-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	1.28	1.57	7.5	1.16	1.39	6.7	1.06	1.20	5.8	1.37	1.79	8.6	1.25	1.60	7.7	1.14	1.41	6.8
	0.10	1.7	1.74	2.28	5.5	1.58	2.01	4.8	1.42	1.73	4.1	1.88	2.61	6.3	1.71	2.34	5.6	1.55	2.06	4.9
	0.15	3.4	1.96	2.67	4.3	1.77	2.35	3.7	1.59	2.02	3.2	2.12	3.06	4.9	1.93	2.74	4.4	1.74	2.41	3.8
	0.20	5.6	2.08	2.92	3.5	1.88	2.57	3.1	1.68	2.20	2.6	2.25	3.35	4.0	2.04	3.00	3.6	1.85	2.63	3.2
400	0.10	2.4	2.41	3.18	7.6	2.19	2.80	6.7	1.97	2.42	5.8	2.59	3.63	8.7	2.36	3.25	7.8	2.14	2.86	6.8
	0.15	4.8	2.73	3.75	6.0	2.47	3.31	5.3	2.23	2.84	4.5	2.95	4.30	6.9	2.68	3.85	6.1	2.43	3.38	5.4
	0.20	8.0	2.92	4.13	4.9	2.64	3.64	4.3	2.37	3.12	3.7	3.15	4.74	5.7	2.87	4.25	5.1	2.60	3.73	4.5
	0.25	11.7	3.04	4.40	4.2	2.74	3.87	3.7	2.46	3.32	3.2	3.29	5.06	4.8	2.99	4.53	4.3	2.70	3.97	3.8
600	0.10	2.8	2.86	3.74	8.9	2.59	3.30	7.9	2.34	2.85	6.8	3.07	4.26	10.2	2.80	3.82	9.1	2.54	3.37	8.1
	0.15	5.6	3.28	4.48	7.1	2.97	3.95	6.3	2.68	3.39	5.4	3.54	5.12	8.2	3.22	4.59	7.3	2.92	4.04	6.4
	0.20	9.3	3.54	4.97	5.9	3.20	4.37	5.2	2.88	3.75	4.5	3.82	5.70	6.8	3.48	5.10	6.1	3.15	4.48	5.4
	0.30	18.7	3.82	5.60	4.5	3.45	4.93	3.9	3.09	4.22	3.4	4.13	6.44	5.1	3.76	5.77	4.6	3.40	5.06	4.0
800	0.15	7.3	4.05	5.54	8.8	3.67	4.89	7.8	3.31	4.20	6.7	4.36	6.33	10.1	3.97	5.68	9.0	3.60	4.99	8.0
	0.20	12.0	4.40	6.20	7.4	3.98	5.46	6.5	3.58	4.69	5.6	4.75	7.11	8.5	4.32	6.37	7.6	3.91	5.59	6.7
	0.25	17.6	4.63	6.69	6.4	4.19	5.89	5.6	3.76	5.05	4.8	5.01	7.68	7.3	4.56	6.88	6.6	4.12	6.04	5.8
	0.30	24.1	4.80	7.07	5.6	4.34	6.22	5.0	3.89	5.33	4.2	5.19	8.13	6.5	4.73	7.27	5.8	4.27	6.38	5.1
1000	0.20	2.1	4.79	6.22	7.4	4.34	5.49	6.6	3.92	4.73	5.7	5.15	7.10	8.5	4.69	6.37	7.6	4.26	5.61	6.7
	0.30	4.2	5.46	7.39	5.9	4.94	6.51	5.2	4.45	5.60	4.5	5.89	8.47	6.7	5.37	7.58	6.0	4.86	6.67	5.3
	0.40	6.9	5.86	8.16	4.9	5.29	7.18	4.3	4.76	6.16	3.7	6.33	9.36	5.6	5.76	8.39	5.0	5.21	7.36	4.4
	0.50	10.1	6.11	8.71	4.2	5.52	7.66	3.7	4.95	6.57	3.1	6.61	10.02	4.8	6.01	8.97	4.3	5.44	7.87	3.8
1200	0.20	2.4	5.68	7.33	8.8	5.15	6.47	7.7	4.66	5.59	6.7	6.08	8.35	10.0	5.55	7.49	9.0	5.04	6.60	7.9
	0.30	4.9	6.55	8.81	7.0	5.94	7.77	6.2	5.36	6.69	5.3	7.05	10.07	8.0	6.43	9.03	7.2	5.83	7.94	6.3
	0.40	8.1	7.08	9.80	5.9	6.41	8.64	5.2	5.77	7.42	4.4	7.63	11.23	6.7	6.95	10.06	6.0	6.30	8.84	5.3
	0.50	11.8	7.42	10.53	5.0	6.71	9.26	4.4	6.04	7.95	3.8	8.02	12.07	5.8	7.30	10.81	5.2	6.60	9.50	4.5
1400	0.20	2.7	6.22	8.02	9.6	5.65	7.09	8.5	5.12	6.13	7.3	6.67	9.13	10.9	6.08	8.20	9.8	5.53	7.23	8.6
	0.30	5.4	7.24	9.71	7.7	6.56	8.57	6.8	5.92	7.38	5.9	7.78	11.10	8.8	7.09	9.95	7.9	6.44	8.76	7.0
	0.40	8.9	7.85	10.86	6.5	7.11	9.56	5.7	6.40	8.22	4.9	8.46	12.43	7.4	7.71	11.14	6.7	6.99	9.79	5.8
	0.55	15.5	8.42	12.03	5.2	7.61	10.59	4.6	6.84	9.08	3.9	9.09	13.81	6.0	8.28	12.37	5.4	7.49	10.86	4.7

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	0.5	2.09	10.0	3.14	15.0	4.19	20.0	5.23	25.0	6.28	30.0	1.88	9.0	2.93	14.0	3.98	19.0	5.02	24.0	6.07	29.0
	0.10	1.7	2.41	5.8	3.61	8.6	4.82	11.5	6.03	14.4	7.23	17.3	2.17	5.2	3.37	8.1	4.58	11.0	5.79	13.8	6.99	16.7
	0.15	3.4	2.54	4.1	3.81	6.1	5.09	8.1	6.36	10.1	7.63	12.2	2.29	3.6	3.56	5.7	4.83	7.7	6.11	9.7	7.38	11.8
	0.20	5.6	2.62	3.1	3.93	4.7	5.24	6.3	6.55	7.8	7.86	9.4	2.35	2.8	3.67	4.4	4.98	5.9	6.29	7.5	7.60	9.1
400	0.10	2.4	3.31	7.9	4.97	11.9	6.63	15.9	8.29	19.8	9.95	23.8	2.98	7.1	4.64	11.1	6.30	15.1	7.96	19.0	9.62	23.0
	0.15	4.8	3.56	5.7	5.35	8.5	7.13	11.4	8.92	14.2	10.70	17.1	3.21	5.1	4.99	8.0	6.78	10.8	8.56	13.6	10.34	16.5
	0.20	8.0	3.71	4.4	5.56	6.6	7.42	8.9	9.27	11.1	11.13	13.3	3.34	4.0	5.19	6.2	7.05	8.4	8.90	10.6	10.76	12.9
	0.25	11.7	3.80	3.6	5.70	5.5	7.61	7.3	9.51	9.1	11.41	10.9	3.42	3.3	5.32	5.1	7.23	6.9	9.13	8.7	11.03	10.5
600	0.10	2.8	3.93	9.4	5.90	14.1	7.87	18.8	9.84	23.5	11.81	28.2	3.54	8.5	5.51	13.2	7.48	17.9	9.45	22.6	11.42	27.3
	0.15	5.6	4.29	6.8	6.43	10.3	8.58	13.7	10.73	17.1	12.87	20.5	3.86	6.2	6.00	9.6	8.15	13.0	10.30	16.4	12.44	19.8
	0.20	9.3	4.49	5.4	6.74	8.1	8.99	10.7	11.24	13.4	13.49	16.1	4.04	4.8	6.29	7.5	8.54	10.2	10.79	12.9	13.04	15.6
	0.30	18.7	4.73	3.8	7.09	5.7	9.46	7.5	11.82	9.4	14.19	11.3	4.25	3.4	6.62	5.3	8.98	7.2	11.35	9.0	13.72	10.9
800	0.15	7.3	5.28	8.4	7.92	12.6	10.56	16.8	13.20	21.0	15.85	25.2	4.75	7.6	7.39	11.8	10.03	16.0	12.68	20.2	15.32	24.4
	0.20	12.0	5.59	6.7	8.38	10.0	11.18	13.4	13.98	16.7	16.77	20.0	5.03	6.0	7.83	9.4	10.62	12.7	13.42	16.0	16.22	19.4
	0.25	17.6	5.79	5.5	8.70	8.3	11.60	11.1	14.50	13.9	17.40	16.6	5.22	5.0	8.12	7.8	11.02	10.5	13.92	13.3	16.82	16.1
	0.30	24.1	5.94	4.7	8.92	7.1	11.89	9.5	14.87	11.8	17.84	14.2	5.35	4.3	8.32	6.6	11.30	9.0	14.27	11.4	17.25	13.7
1000	0.20	2.1	6.63	7.9	9.95	11.9	13.27	15.9	16.58	19.8	19.90	23.8	5.97	7.1	9.28	11.1	12.60	15.1	15.92	19.0	19.24	23.0
	0.30	4.2	7.13	5.7	10.70	8.5	14.27	11.4	17.84	14.2	21.41	17.1	6.42	5.1	9.99	8.0	13.56	10.8	17.13	13.6	20.69	16.5
	0.40	6.9	7.42	4.4	11.13	6.7	14.85	8.9	18.56	11.1	22.27	13.3	6.68	4.0	10.39	6.2	14.11	8.4	17.82	10.6	21.53	12.9
	0.50	10.1	7.61	3.6	11.42	5.5	15.23	7.3	19.04	9.1	22.84	10.9	6.85	3.3	10.66	5.1	14.47	6.9	18.27	8.7	22.08	10.6
1200	0.20	2.4	7.92	9.5	11.89	14.2	15.85	18.9	19.81	23.7	23.78	28.4	7.13	8.5	11.09	13.3	15.06	18.0	19.02	22.7	22.98	27.5
	0.30	4.9	8.64	6.9	12.97	10.3	17.29	13.8	21.61	17.2	25.94	20.7	7.78	6.2	12.10	9.6	16.43	13.1	20.75	16.5	25.07	20.0
	0.40	8.1	9.06	5.4	13.60	8.1	18.13	10.8	22.67	13.5	27.20	16.2	8.16	4.9	12.69	7.6	17.23	10.3	21.76	13.0	26.30	15.7
	0.50	11.8	9.34	4.5	14.02	6.7	18.69	8.9	23.37	11.2	28.04	13.4	8.41	4.0	13.08	6.3	17.76	8.5	22.43	10.7	27.11	13.0
1400	0.20	2.7	8.69	10.4	13.03	15.6	17.38	20.8	21.72	26.0	26.07	31.1	7.82	9.3	12.16	14.5	16.51	19.7	20.85	24.9	25.20	30.1
	0.30	5.4	9.55	7.6	14.33	11.4	19.11	15.2	23.89	19.0	28.67	22.8	8.60	6.9	13.38	10.7	18.16	14.5	22.94	18.3	27.72	22.1
	0.40	8.9	10.07	6.0	15.10	9.0	20.14	12.0	25.18	15.0	30.21	18.0	9.06	5.4	14.10	8.4	19.13	11.4	24.17	14.4	29.21	17.4
	0.55	15.5	10.54	4.6	15.82	6.9	21.09	9.2	26.37	11.5	31.64	13.7	9.49	4.1	14.76	6.4	20.04	8.7	25.31	11.0	30.59	13.3

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