Ceiling Recessed Model-High Static Model 3-Row Cooling/Heating

SRC-2HW-3R 220V

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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	1.28	1.52	7.3	1.16	1.35	6.5	1.06	1.17	5.6	1.37	1.73	8.3	1.25	1.55	7.4	1.14	1.37	6.6
	0.10	2.8	1.71	2.17	5.2	1.55	1.92	4.6	1.40	1.65	4.0	1.84	2.48	5.9	1.68	2.23	5.3	1.52	1.96	4.7
	0.15	5.6	1.91	2.52	4.0	1.72	2.22	3.5	1.55	1.91	3.0	2.06	2.89	4.6	1.87	2.59	4.1	1.70	2.27	3.6
	0.20	9.2	2.02	2.74	3.3	1.82	2.41	2.9	1.64	2.07	2.5	2.18	3.15	3.8	1.98	2.82	3.4	1.79	2.47	3.0
400	0.10	3.9	2.39	3.05	7.3	2.17	2.69	6.4	1.96	2.33	5.6	2.57	3.48	8.3	2.34	3.12	7.5	2.12	2.75	6.6
	0.15	8.0	2.70	3.58	5.7	2.44	3.16	5.0	2.20	2.72	4.3	2.90	4.10	6.5	2.65	3.67	5.9	2.40	3.23	5.2
	0.20	13.1	2.87	3.93	4.7	2.60	3.46	4.1	2.34	2.97	3.6	3.10	4.50	5.4	2.82	4.03	4.8	2.55	3.54	4.2
	0.25	19.3	2.98	4.18	4.0	2.70	3.68	3.5	2.42	3.15	3.0	3.23	4.80	4.6	2.93	4.29	4.1	2.66	3.77	3.6
600	0.10	4.6	2.82	3.58	8.6	2.56	3.17	7.6	2.32	2.74	6.5	3.03	4.08	9.8	2.76	3.66	8.8	2.51	3.23	7.7
	0.15	9.3	3.22	4.26	6.8	2.92	3.75	6.0	2.63	3.23	5.2	3.47	4.87	7.8	3.16	4.36	7.0	2.86	3.84	6.1
	0.20	15.2	3.46	4.70	5.6	3.13	4.14	5.0	2.82	3.56	4.3	3.73	5.39	6.4	3.40	4.83	5.8	3.08	4.24	5.1
	0.30	30.7	3.72	5.27	4.2	3.36	4.64	3.7	3.02	3.98	3.2	4.02	6.06	4.8	3.66	5.42	4.3	3.31	4.76	3.8
800	0.15	12.0	3.85	5.14	8.2	3.49	4.53	7.2	3.15	3.90	6.2	4.14	5.87	9.4	3.78	5.26	8.4	3.42	4.63	7.4
	0.20	19.7	4.16	5.71	6.8	3.76	5.03	6.0	3.39	4.32	5.2	4.48	6.54	7.8	4.08	5.86	7.0	3.70	5.15	6.2
	0.25	29.0	4.36	6.13	5.9	3.94	5.39	5.2	3.54	4.63	4.4	4.71	7.03	6.7	4.29	6.30	6.0	3.88	5.53	5.3
	0.30	39.7	4.50	6.46	5.1	4.07	5.68	4.5	3.65	4.87	3.9	4.87	7.42	5.9	4.43	6.64	5.3	4.01	5.83	4.6
1000	0.20	3.4	4.72	5.95	7.1	4.28	5.25	6.3	3.87	4.54	5.4	5.06	6.78	8.1	4.62	6.08	7.3	4.19	5.36	6.4
	0.30	6.9	5.34	7.01	5.6	4.84	6.18	4.9	4.37	5.32	4.2	5.76	8.01	6.4	5.24	7.18	5.7	4.75	6.32	5.0
	0.40	11.3	5.71	7.70	4.6	5.16	6.78	4.1	4.65	5.82	3.5	6.16	8.82	5.3	5.61	7.90	4.7	5.08	6.94	4.1
	0.50	16.6	5.94	8.19	3.9	5.37	7.21	3.4	4.82	6.19	3.0	6.42	9.41	4.5	5.84	8.42	4.0	5.28	7.39	3.5
1200	0.20	4.0	5.45	6.86	8.2	4.94	6.06	7.2	4.48	5.24	6.3	5.84	7.81	9.3	5.33	7.01	8.4	4.84	6.18	7.4
	0.30	8.1	6.22	8.15	6.5	5.63	7.19	5.7	5.09	6.19	4.9	6.69	9.31	7.4	6.10	8.35	6.6	5.53	7.34	5.9
	0.40	13.2	6.67	9.00	5.4	6.04	7.93	4.7	5.44	6.81	4.1	7.20	10.30	6.2	6.55	9.23	5.5	5.94	8.11	4.8
	0.50	19.5	6.97	9.61	4.6	6.30	8.46	4.0	5.67	7.26	3.5	7.52	11.02	5.3	6.85	9.87	4.7	6.20	8.67	4.1
1400	0.20	4.4	6.11	7.65	9.1	5.55	6.76	8.1	5.03	5.85	7.0	6.54	8.70	10.4	5.97	7.81	9.3	5.42	6.89	8.2
	0.30	8.9	7.04	9.17	7.3	6.38	8.09	6.4	5.77	6.98	5.6	7.56	10.46	8.3	6.89	9.38	7.5	6.26	8.26	6.6
	0.40	14.7	7.60	10.18	6.1	6.88	8.98	5.4	6.20	7.72	4.6	8.18	11.65	7.0	7.46	10.44	6.2	6.76	9.18	5.5
	0.55	25.4	8.11	11.22	4.9	7.33	9.88	4.3	6.60	8.48	3.7	8.75	12.87	5.6	7.97	11.52	5.0	7.21	10.12	4.4

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	0.05	0.8	1.99	9.5	2.99	14.3	3.99	19.1	4.99	23.9	5.99	28.6	1.79	8.6	2.79	13.4	3.79	18.1	4.79	22.9	5.79	27.7
	0.10	2.8	2.29	5.5	3.43	8.2	4.58	10.9	5.72	13.7	6.87	16.4	2.06	4.9	3.20	7.7	4.35	10.4	5.49	13.1	6.64	15.9
	0.15	5.6	2.41	3.8	3.62	5.8	4.83	7.7	6.04	9.6	7.24	11.5	2.17	3.5	3.38	5.4	4.59	7.3	5.80	9.2	7.00	11.2
	0.20	9.2	2.48	3.0	3.73	4.5	4.97	5.9	6.22	7.4	7.46	8.9	2.23	2.7	3.48	4.2	4.72	5.6	5.97	7.1	7.21	8.6
400	0.10	3.9	3.19	7.6	4.79	11.4	6.38	15.3	7.98	19.1	9.58	22.9	2.87	6.9	4.47	10.7	6.06	14.5	7.66	18.3	9.26	22.1
	0.15	8.0	3.43	5.5	5.14	8.2	6.86	10.9	8.58	13.7	10.29	16.4	3.08	4.9	4.80	7.7	6.52	10.4	8.23	13.1	9.95	15.9
	0.20	13.1	3.57	4.3	5.35	6.4	7.13	8.5	8.92	10.7	10.70	12.8	3.21	3.8	4.99	6.0	6.78	8.1	8.56	10.2	10.35	12.4
	0.25	19.3	3.66	3.5	5.49	5.2	7.32	7.0	9.15	8.7	10.98	10.5	3.29	3.1	5.12	4.9	6.95	6.6	8.78	8.4	10.61	10.1
600	0.10	4.6	3.77	9.0	5.66	13.5	7.54	18.0	9.43	22.5	11.32	27.0	3.39	8.1	5.28	12.6	7.16	17.1	9.05	21.6	10.94	26.1
	0.15	9.3	4.10	6.5	6.15	9.8	8.21	13.1	10.26	16.3	12.31	19.6	3.69	5.9	5.74	9.2	7.80	12.4	9.85	15.7	11.90	19.0
	0.20	15.2	4.30	5.1	6.45	7.7	8.60	10.3	10.75	12.8	12.90	15.4	3.87	4.6	6.02	7.2	8.17	9.8	10.32	12.3	12.47	14.9
	0.30	30.7	4.52	3.6	6.78	5.4	9.04	7.2	11.31	9.0	13.57	10.8	4.07	3.2	6.33	5.0	8.59	6.8	10.85	8.6	13.12	10.4
800	0.15	12.0	4.88	7.8	7.32	11.7	9.76	15.6	12.21	19.4	14.65	23.3	4.39	7.0	6.83	10.9	9.27	14.8	11.72	18.7	14.16	22.6
	0.20	19.7	5.15	6.2	7.73	9.2	10.30	12.3	12.88	15.4	15.46	18.5	4.63	5.5	7.21	8.6	9.79	11.7	12.37	14.8	14.94	17.9
	0.25	29.0	5.33	5.1	8.00	7.6	10.67	10.2	13.34	12.7	16.00	15.3	4.80	4.6	7.47	7.1	10.13	9.7	12.80	12.2	15.47	14.8
	0.30	39.7	5.46	4.4	8.20	6.5	10.93	8.7	13.66	10.9	16.40	13.1	4.92	3.9	7.65	6.1	10.38	8.3	13.12	10.4	15.85	12.6
1000	0.20	3.4	6.32	7.6	9.49	11.3	12.65	15.1	15.82	18.9	18.98	22.7	5.69	6.8	8.85	10.6	12.02	14.4	15.18	18.1	18.35	21.9
	0.30	6.9	6.79	5.4	10.19	8.1	13.59	10.8	16.99	13.5	20.39	16.2	6.11	4.9	9.51	7.6	12.91	10.3	16.31	13.0	19.71	15.7
	0.40	11.3	7.07	4.2	10.60	6.3	14.14	8.4	17.68	10.6	21.21	12.7	6.36	3.8	9.90	5.9	13.43	8.0	16.97	10.1	20.50	12.2
	0.50	16.6	7.25	3.5	10.88	5.2	14.50	6.9	18.13	8.7	21.76	10.4	6.52	3.1	10.15	4.9	13.78	6.6	17.41	8.3	21.03	10.1
1200	0.20	4.0	7.30	8.7	10.96	13.1	14.61	17.5	18.26	21.8	21.92	26.2	6.57	7.9	10.22	12.2	13.88	16.6	17.53	20.9	21.18	25.3
	0.30	8.1	7.93	6.3	11.89	9.5	15.86	12.6	19.82	15.8	23.79	18.9	7.13	5.7	11.10	8.8	15.07	12.0	19.03	15.2	23.00	18.3
	0.40	13.2	8.29	5.0	12.44	7.4	16.59	9.9	20.74	12.4	24.89	14.9	7.46	4.5	11.61	6.9	15.76	9.4	19.91	11.9	24.06	14.4
	0.50	19.5	8.54	4.1	12.81	6.1	17.08	8.2	21.35	10.2	25.63	12.2	7.68	3.7	11.96	5.7	16.23	7.8	20.50	9.8	24.77	11.8
1400	0.20	4.4	8.22	9.8	12.34	14.7	16.45	19.7	20.56	24.6	24.68	29.5	7.40	8.8	11.51	13.8	15.63	18.7	19.74	23.6	23.85	28.5
	0.30	8.9	9.02	7.2	13.53	10.8	18.04	14.4	22.55	18.0	27.06	21.6	8.11	6.5	12.62	10.1	17.14	13.6	21.65	17.2	26.16	20.8
	0.40	14.7	9.49	5.7	14.24	8.5	18.98	11.3	23.73	14.2	28.48	17.0	8.54	5.1	13.29	7.9	18.03	10.8	22.78	13.6	27.53	16.4
	0.55	25.4	9.93	4.3	14.90	6.5	19.87	8.6	24.83	10.8	29.80	12.9	8.94	3.9	13.90	6.0	18.87	8.2	23.84	10.4	28.81	12.5

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