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

SRC-4HW-HT 240V

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	1.47	1.94	9.3	1.34	1.72	8.2	1.21	1.48	7.1	1.58	2.22	10.6	1.44	1.99	9.5	1.31	1.75	8.4
	0.10	11.0	1.82	2.58	6.2	1.65	2.27	5.4	1.48	1.95	4.7	1.96	2.96	7.1	1.79	2.65	6.3	1.62	2.33	5.6
	0.15	22.2	1.96	2.91	4.6	1.77	2.56	4.1	1.59	2.19	3.5	2.12	3.35	5.3	1.93	2.99	4.8	1.75	2.63	4.2
	0.20	36.6	2.04	3.12	3.7	1.84	2.74	3.3	1.65	2.35	2.8	2.21	3.59	4.3	2.01	3.22	3.8	1.81	2.82	3.4
400	0.05	4.8	1.96	2.61	12.5	1.78	2.30	11.0	1.62	1.99	9.5	2.10	2.96	14.2	1.92	2.66	12.7	1.74	2.34	11.2
	0.10	15.8	2.51	3.58	8.6	2.27	3.15	7.5	2.05	2.71	6.5	2.70	4.09	9.8	2.46	3.66	8.8	2.23	3.22	7.7
	0.15	31.9	2.75	4.10	6.5	2.49	3.61	5.8	2.24	3.10	4.9	2.97	4.70	7.5	2.70	4.21	6.7	2.45	3.70	5.9
	0.20	52.4	2.88	4.44	5.3	2.61	3.91	4.7	2.34	3.35	4.0	3.12	5.10	6.1	2.84	4.57	5.5	2.57	4.01	4.8
600	0.05	5.5	2.26	2.98	14.2	2.05	2.63	12.6	1.86	2.28	10.9	2.41	3.37	16.1	2.20	3.03	14.5	2.00	2.68	12.8
	0.10	18.4	2.96	4.20	10.0	2.69	3.70	8.9	2.42	3.19	7.6	3.18	4.79	11.5	2.90	4.30	10.3	2.63	3.78	9.0
	0.15	37.0	3.30	4.88	7.8	2.98	4.30	6.9	2.69	3.69	5.9	3.55	5.59	8.9	3.24	5.01	8.0	2.93	4.40	7.0
	0.17	46.0	3.39	5.08	7.1	3.06	4.47	6.3	2.75	3.84	5.4	3.65	5.82	8.2	3.33	5.22	7.3	3.01	4.58	6.4
800	0.05	7.2	2.68	3.53	16.9	2.44	3.13	15.0	2.22	2.71	13.0	2.85	3.99	19.1	2.61	3.59	17.2	2.38	3.18	15.2
	0.10	23.8	3.64	5.15	12.3	3.30	4.55	10.9	2.98	3.92	9.4	3.90	5.87	14.0	3.56	5.27	12.6	3.23	4.64	11.1
	0.13	37.5	3.96	5.78	10.6	3.59	5.09	9.4	3.24	4.38	8.1	4.26	6.59	12.1	3.89	5.91	10.9	3.52	5.21	9.6
	0.15	48.0	4.13	6.11	9.7	3.74	5.38	8.6	3.37	4.63	7.4	4.44	6.98	11.1	4.05	6.26	10.0	3.67	5.51	8.8
1000	0.10	4.1	3.93	5.14	12.3	3.57	4.55	10.9	3.24	3.93	9.4	4.20	5.83	13.9	3.84	5.24	12.5	3.49	4.63	11.1
	0.20	13.6	5.07	7.11	8.5	4.59	6.27	7.5	4.14	5.39	6.4	5.45	8.12	9.7	4.97	7.28	8.7	4.50	6.41	7.7
	0.30	27.4	5.58	8.18	6.5	5.05	7.20	5.7	4.54	6.18	4.9	6.02	9.37	7.5	5.48	8.39	6.7	4.96	7.37	5.9
	0.40	45.1	5.86	8.88	5.3	5.30	7.81	4.7	4.76	6.69	4.0	6.34	10.19	6.1	5.77	9.13	5.5	5.22	8.01	4.8
1200	0.10	4.8	4.50	5.86	14.0	4.10	5.19	12.4	3.72	4.50	10.8	4.80	6.64	15.9	4.39	5.96	14.3	4.00	5.27	12.6
	0.20	16.0	5.94	8.30	9.9	5.39	7.32	8.8	4.87	6.31	7.5	6.38	9.46	11.3	5.82	8.49	10.1	5.28	7.48	8.9
	0.30	32.2	6.63	9.66	7.7	6.00	8.51	6.8	5.41	7.32	5.8	7.13	11.05	8.8	6.50	9.91	7.9	5.89	8.71	6.9
	0.35	42.1	6.84	10.15	6.9	6.19	8.94	6.1	5.58	7.68	5.2	7.38	11.63	7.9	6.72	10.42	7.1	6.09	9.16	6.3
1400	0.10	5.3	4.92	6.37	15.2	4.48	5.64	13.5	4.07	4.90	11.7	5.24	7.21	17.2	4.79	6.48	15.5	4.37	5.73	13.7
	0.20	17.7	6.62	9.20	11.0	6.01	8.12	9.7	5.43	7.00	8.4	7.10	10.47	12.5	6.48	9.40	11.2	5.89	8.28	9.9
	0.30	35.7	7.46	10.82	8.6	6.76	9.54	7.6	6.09	8.20	6.5	8.03	12.37	9.9	7.32	11.09	8.8	6.64	9.75	7.8
	0.35	46.6	7.74	11.41	7.8	7.00	10.05	6.9	6.31	8.64	5.9	8.34	13.06	8.9	7.60	11.71	8.0	6.88	10.29	7.0

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	2.03	9.7	3.04	14.6	4.06	19.4	5.07	24.3	6.09	29.1	1.82	8.7	2.84	13.6	3.85	18.4	4.87	23.3	5.89	28.1
	0.10	11.0	2.32	5.6	3.49	8.3	4.65	11.1	5.82	13.9	6.98	16.7	2.09	5.0	3.25	7.8	4.42	10.6	5.58	13.3	6.75	16.1
	0.15	22.2	2.45	3.9	3.67	5.9	4.90	7.8	6.13	9.8	7.35	11.7	2.20	3.5	3.43	5.5	4.65	7.4	5.88	9.4	7.11	11.3
	0.20	36.6	2.52	3.0	3.78	4.5	5.04	6.0	6.30	7.5	7.56	9.0	2.27	2.7	3.53	4.2	4.79	5.7	6.05	7.2	7.31	8.7
400	0.05	4.8	2.71	13.0	4.07	19.5	5.43	26.0	6.79	32.5	8.15	39.0	2.44	11.7	3.80	18.2	5.16	24.7	6.52	31.2	7.88	37.7
	0.10	15.8	3.26	7.8	4.89	11.7	6.53	15.6	8.16	19.5	9.79	23.4	2.93	7.0	4.57	10.9	6.20	14.8	7.83	18.7	9.47	22.6
	0.15	31.9	3.50	5.6	5.26	8.4	7.01	11.2	8.76	14.0	10.52	16.8	3.15	5.0	4.91	7.8	6.66	10.6	8.41	13.4	10.17	16.2
	0.20	52.4	3.64	4.4	5.46	6.5	7.29	8.7	9.11	10.9	10.93	13.1	3.28	3.9	5.10	6.1	6.92	8.3	8.74	10.5	10.57	12.6
600	0.05	5.5	3.11	14.9	4.67	22.3	6.23	29.8	7.79	37.2	9.35	44.7	2.80	13.4	4.36	20.9	5.92	28.3	7.48	35.7	9.04	43.2
	0.10	18.4	3.85	9.2	5.78	13.8	7.71	18.4	9.63	23.0	11.56	27.6	3.46	8.3	5.39	12.9	7.32	17.5	9.25	22.1	11.18	26.7
	0.15	37.0	4.19	6.7	6.29	10.0	8.38	13.4	10.48	16.7	12.58	20.0	3.77	6.0	5.87	9.4	7.96	12.7	10.06	16.0	12.16	19.4
	0.17	46.0	4.28	6.0	6.42	9.0	8.56	12.0	10.70	15.0	12.85	18.1	3.85	5.4	5.99	8.4	8.13	11.4	10.27	14.4	12.42	17.5
800	0.05	7.2	3.68	17.6	5.52	26.4	7.37	35.2	9.21	44.0	11.05	52.8	3.31	15.8	5.15	24.7	7.00	33.5	8.84	42.3	10.68	51.1
	0.10	23.8	4.75	11.4	7.13	17.0	9.50	22.7	11.88	28.4	14.26	34.1	4.27	10.2	6.65	15.9	9.03	21.6	11.40	27.3	13.78	32.9
	0.13	37.5	5.09	9.4	7.64	14.1	10.19	18.7	12.74	23.4	15.29	28.1	4.58	8.4	7.13	13.1	9.68	17.8	12.23	22.5	14.78	27.2
	0.15	48.0	5.27	8.4	7.90	12.6	10.54	16.8	13.17	21.0	15.81	25.2	4.74	7.6	7.37	11.8	10.01	16.0	12.65	20.1	15.28	24.3
1000	0.10	4.1	5.44	13.0	8.17	19.5	10.89	26.0	13.62	32.5	16.34	39.1	4.90	11.7	7.62	18.2	10.35	24.7	13.07	31.2	15.80	37.8
	0.20	13.6	6.55	7.8	9.83	11.7	13.11	15.7	16.38	19.6	19.66	23.5	5.90	7.0	9.17	11.0	12.45	14.9	15.73	18.8	19.01	22.7
	0.30	27.4	7.04	5.6	10.56	8.4	14.09	11.2	17.61	14.0	21.13	16.8	6.34	5.0	9.86	7.9	13.38	10.7	16.90	13.5	20.43	16.3
	0.40	45.1	7.32	4.4	10.99	6.6	14.65	8.8	18.31	10.9	21.98	13.1	6.59	3.9	10.25	6.1	13.92	8.3	17.58	10.5	21.24	12.7
1200	0.10	4.8	6.27	15.0	9.40	22.5	12.54	30.0	15.67	37.5	18.81	44.9	5.64	13.5	8.77	21.0	11.91	28.5	15.04	36.0	18.18	43.4
	0.20	16.0	7.77	9.3	11.65	13.9	15.54	18.6	19.43	23.2	23.31	27.9	6.99	8.4	10.88	13.0	14.76	17.6	18.65	22.3	22.53	26.9
	0.30	32.2	8.46	6.7	12.69	10.1	16.92	13.5	21.15	16.8	25.39	20.2	7.61	6.1	11.84	9.4	16.08	12.8	20.31	16.2	24.54	19.5
	0.35	42.1	8.68	5.9	13.03	8.9	17.37	11.9	21.72	14.8	26.06	17.8	7.81	5.3	12.16	8.3	16.50	11.3	20.85	14.2	25.19	17.2
1400	0.10	5.3	6.84	16.3	10.26	24.5	13.68	32.7	17.10	40.9	20.52	49.0	6.15	14.7	9.57	22.9	12.99	31.1	16.41	39.2	19.84	47.4
	0.20	17.7	8.66	10.3	12.99	15.5	17.32	20.7	21.65	25.9	25.98	31.0	7.79	9.3	12.12	14.5	16.45	19.7	20.78	24.8	25.11	30.0
	0.30	35.7	9.52	7.6	14.28	11.4	19.05	15.2	23.81	19.0	28.57	22.8	8.57	6.8	13.33	10.6	18.09	14.4	22.86	18.2	27.62	22.0
	0.35	46.6	9.80	6.7	14.71	10.0	19.61	13.4	24.52	16.7	29.42	20.1	8.82	6.0	13.73	9.4	18.63	12.7	23.54	16.1	28.44	19.4

Note:To obtain accurate air volume and cooling/heating capacities,refer to pages 44-59