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

SRC-4HW-3R 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	0.8	1.25	1.50	7.2	1.13	1.32	6.3	1.03	1.15	5.5	1.33	1.70	8.1	1.22	1.52	7.3	1.11	1.35	6.5
	0.10	2.8	1.65	2.11	5.1	1.50	1.86	4.5	1.35	1.61	3.8	1.78	2.42	5.8	1.62	2.16	5.2	1.47	1.90	4.6
	0.15	5.6	1.84	2.44	3.9	1.66	2.15	3.4	1.49	1.85	2.9	1.98	2.80	4.5	1.80	2.51	4.0	1.63	2.20	3.5
	0.20	9.2	1.94	2.65	3.2	1.75	2.33	2.8	1.57	2.00	2.4	2.09	3.04	3.6	1.90	2.72	3.3	1.72	2.39	2.9
400	0.10	3.9	2.36	3.02	7.2	2.14	2.67	6.4	1.94	2.31	5.5	2.54	3.45	8.2	2.31	3.09	7.4	2.10	2.72	6.5
	0.15	8.0	2.66	3.54	5.6	2.41	3.12	5.0	2.17	2.69	4.3	2.86	4.05	6.5	2.61	3.63	5.8	2.36	3.19	5.1
	0.20	13.1	2.83	3.88	4.6	2.56	3.42	4.1	2.31	2.94	3.5	3.05	4.44	5.3	2.78	3.98	4.8	2.52	3.50	4.2
	0.25	19.3	2.94	4.12	3.9	2.65	3.63	3.5	2.39	3.11	3.0	3.17	4.73	4.5	2.89	4.23	4.1	2.61	3.72	3.6
600	0.10	4.6	2.78	3.54	8.5	2.52	3.13	7.5	2.28	2.70	6.5	2.98	4.03	9.6	2.72	3.62	8.7	2.47	3.19	7.6
	0.15	9.3	3.16	4.19	6.7	2.87	3.70	5.9	2.59	3.18	5.1	3.40	4.79	7.6	3.10	4.30	6.8	2.81	3.78	6.0
	0.20	15.2	3.39	4.63	5.5	3.07	4.07	4.9	2.76	3.50	4.2	3.66	5.30	6.3	3.33	4.75	5.7	3.02	4.17	5.0
	0.30	30.7	3.64	5.18	4.1	3.29	4.56	3.6	2.95	3.91	3.1	3.93	5.95	4.7	3.58	5.32	4.2	3.24	4.67	3.7
800	0.15	12.0	3.87	5.16	8.2	3.51	4.55	7.3	3.17	3.92	6.3	4.17	5.90	9.4	3.80	5.29	8.4	3.44	4.65	7.4
	0.20	19.7	4.18	5.74	6.9	3.79	5.06	6.0	3.41	4.35	5.2	4.51	6.57	7.9	4.11	5.89	7.0	3.72	5.18	6.2
	0.25	29.0	4.39	6.16	5.9	3.97	5.42	5.2	3.57	4.66	4.5	4.74	7.07	6.8	4.31	6.33	6.1	3.91	5.56	5.3
	0.30	39.7	4.53	6.49	5.2	4.10	5.71	4.6	3.68	4.89	3.9	4.90	7.45	5.9	4.46	6.67	5.3	4.04	5.86	4.7
1000	0.20	3.4	4.67	5.90	7.1	4.24	5.21	6.2	3.84	4.50	5.4	5.01	6.72	8.0	4.57	6.03	7.2	4.15	5.31	6.4
	0.30	6.9	5.28	6.94	5.5	4.78	6.12	4.9	4.32	5.27	4.2	5.69	7.93	6.3	5.18	7.11	5.7	4.70	6.25	5.0
	0.40	11.3	5.63	7.62	4.6	5.10	6.71	4.0	4.59	5.76	3.4	6.08	8.73	5.2	5.53	7.82	4.7	5.01	6.87	4.1
	0.50	16.6	5.86	8.10	3.9	5.29	7.13	3.4	4.76	6.12	2.9	6.33	9.30	4.4	5.76	8.32	4.0	5.21	7.31	3.5
1200	0.20	4.0	5.32	6.73	8.0	4.83	5.95	7.1	4.37	5.14	6.1	5.70	7.66	9.2	5.20	6.88	8.2	4.72	6.06	7.2
	0.30	8.1	6.05	7.96	6.3	5.48	7.02	5.6	4.95	6.05	4.8	6.51	9.10	7.2	5.93	8.16	6.5	5.38	7.18	5.7
	0.40	13.2	6.47	8.77	5.2	5.86	7.73	4.6	5.28	6.65	4.0	6.98	10.05	6.0	6.36	9.00	5.4	5.76	7.91	4.7
	0.50	19.5	6.75	9.36	4.5	6.10	8.24	3.9	5.49	7.07	3.4	7.29	10.73	5.1	6.63	9.61	4.6	6.01	8.44	4.0
1400	0.20	4.4	6.08	7.63	9.1	5.52	6.74	8.1	5.01	5.83	7.0	6.51	8.67	10.4	5.94	7.78	9.3	5.40	6.86	8.2
	0.30	8.9	7.01	9.13	7.3	6.35	8.06	6.4	5.74	6.95	5.5	7.53	10.42	8.3	6.86	9.34	7.4	6.23	8.23	6.6
	0.40	14.7	7.56	10.14	6.1	6.84	8.94	5.3	6.17	7.69	4.6	8.14	11.59	6.9	7.42	10.39	6.2	6.72	9.14	5.5
	0.55	25.4	8.06	11.17	4.9	7.29	9.83	4.3	6.56	8.44	3.7	8.70	12.80	5.6	7.92	11.47	5.0	7.17	10.07	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	1.93	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	2.8	2.20	5.3	3.31	7.9	4.41	10.5	5.51	13.2	6.62	15.8	1.98	4.7	3.08	7.4	4.19	10.0	5.29	12.7	6.39	15.3
	0.15	5.6	2.32	3.7	3.48	5.5	4.64	7.4	5.80	9.2	6.96	11.1	2.09	3.3	3.25	5.2	4.41	7.0	5.57	8.9	6.73	10.7
	0.20	9.2	2.38	2.9	3.58	4.3	4.77	5.7	5.97	7.1	7.16	8.6	2.15	2.6	3.34	4.0	4.53	5.4	5.73	6.8	6.92	8.3
400	0.10	3.9	3.16	7.6	4.75	11.3	6.33	15.1	7.91	18.9	9.50	22.7	2.85	6.8	4.43	10.6	6.01	14.4	7.60	18.2	9.18	21.9
	0.15	8.0	3.40	5.4	5.10	8.1	6.80	10.8	8.50	13.5	10.20	16.2	3.06	4.9	4.76	7.6	6.46	10.3	8.16	13.0	9.86	15.7
	0.20	13.1	3.53	4.2	5.30	6.3	7.07	8.4	8.83	10.6	10.60	12.7	3.18	3.8	4.94	5.9	6.71	8.0	8.48	10.1	10.25	12.2
	0.25	19.3	3.62	3.5	5.43	5.2	7.25	6.9	9.06	8.7	10.87	10.4	3.26	3.1	5.07	4.8	6.88	6.6	8.70	8.3	10.51	10.0
600	0.10	4.6	3.71	8.9	5.57	13.3	7.43	17.8	9.29	22.2	11.15	26.6	3.34	8.0	5.20	12.4	7.06	16.9	8.92	21.3	10.78	25.8
	0.15	9.3	4.03	6.4	6.05	9.6	8.07	12.9	10.09	16.1	12.11	19.3	3.63	5.8	5.65	9.0	7.67	12.2	9.69	15.4	11.71	18.7
	0.20	15.2	4.22	5.1	6.34	7.6	8.45	10.1	10.56	12.6	12.68	15.1	3.80	4.5	5.91	7.1	8.03	9.6	10.14	12.1	12.26	14.6
	0.30	30.7	4.44	3.5	6.66	5.3	8.88	7.1	11.10	8.8	13.33	10.6	3.99	3.2	6.22	5.0	8.44	6.7	10.66	8.5	12.88	10.3
800	0.15	12.0	4.92	7.8	7.39	11.8	9.85	15.7	12.31	19.6	14.78	23.5	4.43	7.1	6.89	11.0	9.36	14.9	11.82	18.8	14.28	22.8
	0.20	19.7	5.20	6.2	7.80	9.3	10.40	12.4	13.00	15.5	15.60	18.6	4.68	5.6	7.28	8.7	9.88	11.8	12.48	14.9	15.08	18.0
	0.25	29.0	5.38	5.1	8.08	7.7	10.77	10.3	13.47	12.9	16.16	15.4	4.84	4.6	7.54	7.2	10.23	9.8	12.93	12.4	15.62	14.9
	0.30	39.7	5.52	4.4	8.28	6.6	11.04	8.8	13.80	11.0	16.56	13.2	4.96	4.0	7.73	6.2	10.49	8.4	13.25	10.6	16.01	12.8
1000	0.20	3.4	6.27	7.5	9.41	11.2	12.55	15.0	15.68	18.7	18.82	22.5	5.64	6.7	8.78	10.5	11.92	14.2	15.06	18.0	18.19	21.7
	0.30	6.9	6.73	5.4	10.10	8.0	13.47	10.7	16.84	13.4	20.21	16.1	6.06	4.8	9.43	7.5	12.80	10.2	16.17	12.9	19.53	15.6
	0.40	11.3	7.00	4.2	10.50	6.3	14.01	8.4	17.51	10.5	21.01	12.6	6.30	3.8	9.80	5.9	13.31	7.9	16.81	10.0	20.31	12.1
	0.50	16.6	7.18	3.4	10.77	5.1	14.36	6.9	17.96	8.6	21.55	10.3	6.46	3.1	10.05	4.8	13.65	6.5	17.24	8.2	20.83	10.0
1200	0.20	4.0	7.12	8.5	10.69	12.8	14.25	17.0	17.82	21.3	21.38	25.5	6.41	7.7	9.98	11.9	13.54	16.2	17.10	20.4	20.67	24.7
	0.30	8.1	7.72	6.1	11.58	9.2	15.44	12.3	19.30	15.4	23.16	18.4	6.95	5.5	10.81	8.6	14.67	11.7	18.53	14.8	22.39	17.8
	0.40	13.2	8.06	4.8	12.10	7.2	16.13	9.6	20.17	12.0	24.20	14.5	7.26	4.3	11.29	6.7	15.33	9.2	19.36	11.6	23.40	14.0
	0.50	19.5	8.30	4.0	12.45	5.9	16.60	7.9	20.75	9.9	24.90	11.9	7.47	3.6	11.62	5.6	15.77	7.5	19.92	9.5	24.07	11.5
1400	0.20	4.4	8.19	9.8	12.29	14.7	16.39	19.6	20.49	24.5	24.59	29.4	7.37	8.8	11.47	13.7	15.57	18.6	19.67	23.5	23.77	28.4
	0.30	8.9	8.98	7.2	13.47	10.7	17.97	14.3	22.46	17.9	26.95	21.5	8.08	6.4	12.58	10.0	17.07	13.6	21.56	17.2	26.06	20.8
	0.40	14.7	9.45	5.6	14.18	8.5	18.91	11.3	23.63	14.1	28.36	16.9	8.50	5.1	13.23	7.9	17.96	10.7	22.69	13.6	27.42	16.4
	0.55	25.4	9.89	4.3	14.84	6.4	19.78	8.6	24.73	10.7	29.67	12.9	8.90	3.9	13.85	6.0	18.79	8.2	23.74	10.3	28.68	12.5

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