

# TCRH-4HW-DC4 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)
600	0.10	1.1	3.10	3.79	9.06	2.81	3.35	8.01	2.55	2.90	6.94	3.31	4.30	10.29	3.02	3.86	9.24	2.75	3.41	8.15
	0.15	2.2	3.87	5.02	8.00	3.50	4.43	7.06	3.16	3.81	6.08	4.16	5.73	9.14	3.79	5.14	8.20	3.44	4.52	7.21
	0.20	3.7	4.29	5.82	6.96	3.88	5.13	6.13	3.49	4.40	5.26	4.64	6.68	7.98	4.22	5.98	7.15	3.82	5.25	6.28
	0.30	7.4	4.70	6.81	5.43	4.24	5.98	4.77	3.80	5.12	4.08	5.10	7.84	6.25	4.63	7.02	5.59	4.19	6.15	4.90
1000	0.10	1.4	3.99	4.78	11.43	3.64	4.24	10.14	3.32	3.69	8.82	4.25	5.40	12.91	3.88	4.85	11.61	3.54	4.30	10.27
	0.20	4.6	5.85	7.75	9.27	5.31	6.84	8.18	4.80	5.90	7.06	6.29	8.84	10.57	5.73	7.93	9.48	5.20	6.99	8.35
	0.30	9.3	6.59	9.31	7.42	5.96	8.20	6.53	5.36	7.04	5.61	7.11	10.67	8.50	6.47	9.56	7.61	5.86	8.40	6.69
	0.40	15.2	6.93	10.28	6.14	6.26	9.04	5.40	5.62	7.74	4.63	7.50	11.82	7.06	6.82	10.58	6.32	6.17	9.28	5.55
1200	0.15	0.5	4.43	5.21	8.31	4.03	4.62	7.36	3.67	4.02	6.40	4.73	5.90	9.41	4.32	5.30	8.45	3.93	4.69	7.47
	0.20	0.9	5.52	6.75	8.07	5.01	5.97	7.14	4.54	5.17	6.18	5.91	7.68	9.18	5.39	6.89	8.24	4.90	6.08	7.27
	0.30	1.8	6.87	8.93	7.11	6.22	7.87	6.27	5.61	6.78	5.40	7.40	10.21	8.13	6.74	9.15	7.29	6.11	8.05	6.41
	0.55	5.1	8.17	11.69	5.08	7.38	10.27	4.46	6.61	8.79	3.82	8.86	13.45	5.84	8.05	12.04	5.23	7.28	10.55	4.59
1600	0.20	1.0	6.62	7.99	9.54	6.02	7.07	8.45	5.48	6.14	7.34	7.07	9.05	10.81	6.45	8.13	9.72	5.88	7.18	8.59
	0.30	2.1	8.42	10.77	8.58	7.64	9.51	7.58	6.92	8.22	6.55	9.04	12.27	9.78	8.24	11.01	8.77	7.49	9.70	7.73
	0.40	3.4	9.46	12.63	7.55	8.56	11.14	6.65	7.72	9.58	5.73	10.19	14.45	8.63	9.28	12.95	7.74	8.41	11.39	6.81
	0.55	5.9	10.30	14.47	6.29	9.31	12.74	5.54	8.36	10.92	4.75	11.13	16.61	7.22	10.13	14.88	6.46	9.17	13.06	5.68
2000	0.30	2.7	9.84	12.79	10.19	8.93	11.30	9.00	8.09	9.76	7.78	10.55	14.54	11.58	9.62	13.05	10.40	8.74	11.51	9.17
	0.40	4.4	11.11	15.08	9.01	10.06	13.30	7.95	9.08	11.45	6.84	11.95	17.22	10.29	10.89	15.44	9.23	9.87	13.59	8.12
	0.55	7.7	12.17	17.40	7.56	11.00	15.32	6.66	9.89	13.14	5.71	13.14	19.95	8.67	11.96	17.87	7.76	10.83	15.70	6.82
	0.70	11.6	12.75	18.99	6.48	11.51	16.70	5.70	10.33	14.30	4.88	13.80	21.82	7.45	12.55	19.54	6.67	11.35	17.14	5.85

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)
600	0.10	1.7	3.51	8.40	5.27	12.60	7.03	16.79	8.78	20.99	10.54	25.19	3.16	7.56	4.92	11.76	6.67	15.95	8.43	20.15	10.19	24.35
	0.15	3.4	3.80	6.07	5.71	9.10	7.61	12.13	9.52	15.17	11.42	18.20	3.42	5.46	5.33	8.49	7.23	11.53	9.14	14.56	11.04	17.59
	0.20	5.6	3.98	4.76	5.97	7.14	7.96	9.52	9.95	11.89	11.94	14.27	3.58	4.28	5.57	6.66	7.56	9.04	9.55	11.42	11.55	13.80
	0.30	11.2	4.18	3.33	6.27	5.00	8.37	6.67	10.46	8.33	12.55	10.00	3.76	3.00	5.85	4.67	7.95	6.33	10.04	8.00	12.13	9.66
1000	0.10	2.1	4.63	11.08	6.95	16.62	9.27	22.16	11.59	27.70	13.91	33.24	4.17	9.97	6.49	15.51	8.81	21.05	11.13	26.59	13.45	32.13
	0.20	7.0	5.46	6.53	8.19	9.79	10.93	13.06	13.66	16.32	16.39	19.58	4.91	5.88	7.65	9.14	10.38	12.40	13.11	15.67	15.84	18.93
	0.30	14.1	5.83	4.65	8.75	6.97	11.67	9.29	14.58	11.62	17.50	13.94	5.25	4.18	8.17	6.51	11.08	8.83	14.00	11.15	16.92	13.48
	0.40	23.1	6.05	3.62	9.08	5.42	12.10	7.23	15.13	9.04	18.16	10.85	5.44	3.25	8.47	5.06	11.50	6.87	14.53	8.68	17.55	10.49
1200	0.15	5.3	5.94	9.46	8.91	14.19	11.88	18.92	14.85	23.65	17.82	28.38	5.34	8.51	8.31	13.24	11.28	17.98	14.25	22.71	17.22	27.44
	0.20	8.8	6.34	7.58	9.52	11.38	12.69	15.17	15.87	18.96	19.04	22.75	5.71	6.83	8.88	10.62	12.06	14.41	15.23	18.20	18.41	21.99
	0.30	17.7	6.83	5.44	10.25	8.17	13.67	10.89	17.09	13.61	20.51	16.33	6.15	4.90	9.57	7.62	12.99	10.34	16.40	13.07	19.82	15.79
	0.55	50.4	7.39	3.21	11.09	4.82	14.78	6.42	18.48	8.03	22.18	12.09	6.65	2.89	10.35	4.50	14.05	6.10	17.74	7.71	21.44	9.31
1600	0.20	10.2	7.71	9.22	11.57	13.83	15.43	18.44	19.29	23.05	23.15	27.65	6.94	8.30	10.80	12.91	14.66	17.51	18.52	22.12	22.38	26.73
	0.30	20.6	8.43	6.72	12.65	10.08	16.87	13.44	21.09	16.79	25.30	20.15	7.59	6.05	11.81	9.40	16.02	12.76	20.24	16.12	24.46	19.48
	0.40	33.9	8.86	5.30	13.30	7.94	17.73	10.59	22.16	13.24	26.60	15.89	7.98	4.77	12.41	7.41	16.84	10.06	21.28	12.71	25.71	15.36
	0.55	58.9	9.27	4.03	13.91	6.04	18.55	8.06	23.18	10.07	27.82	12.09	8.34	3.63	12.98	5.64	17.62	7.65	22.26	9.67	26.89	11.68
2000	0.30	26.8	9.06	10.83	13.59	16.24	18.12	21.65	22.66	27.07	27.19	32.48	8.15	9.74	12.69	15.16	17.22	20.57	21.75	25.99	26.28	31.40
	0.40	44.1	10.04	8.00	15.06	12.00	20.09	16.00	25.11	20.00	30.13	24.00	9.04	7.20	14.06	11.20	19.08	15.20	24.10	19.20	29.13	23.20
	0.55	76.6	10.64	6.35	15.95	9.53	21.27	12.71	26.59	15.89	31.91	19.06	9.57	5.72	14.89	8.90	20.21	12.07	25.53	15.25	30.85	18.43
	0.70	116.2	10.85	5.77	16.28	8.65	21.71	11.53	27.14	14.41	32.57	17.30	9.77	5.19	15.20	8.07	20.63	10.95	26.06	13.84	31.49	16.72

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