

# TCRH-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)
600	0.10	10.9	4.27	5.69	13.62	3.88	5.04	12.05	3.52	4.36	10.43	4.55	6.45	15.43	4.16	5.80	13.86	3.79	5.12	12.25
	0.15	21.9	4.92	7.01	11.18	4.46	6.18	9.85	4.02	5.32	8.48	5.29	8.01	12.76	4.82	7.18	11.44	4.37	6.32	10.07
	0.20	36.0	5.24	7.84	9.38	4.74	6.90	8.25	4.25	5.92	7.07	5.66	9.00	10.75	5.15	8.06	9.63	4.66	7.08	8.46
	0.30	72.7	5.42	8.44	8.07	4.89	7.42	7.09	4.38	6.34	6.06	5.87	9.70	9.28	5.34	8.69	8.31	4.82	7.62	7.28
1000	0.10	13.6	5.15	6.46	15.43	4.70	5.73	13.71	4.30	5.00	11.96	5.44	7.25	17.34	4.98	6.53	15.62	4.56	5.80	13.86
	0.20	45.2	6.37	8.50	13.54	5.79	7.52	11.99	5.26	6.52	10.39	6.79	9.62	15.32	6.20	8.64	13.77	5.65	7.64	12.18
	0.30	91.2	7.07	9.87	11.80	6.41	8.72	10.42	5.80	7.52	8.99	7.57	11.23	13.43	6.91	10.08	12.05	6.28	8.89	10.63
	0.40	150.0	7.34	10.49	10.91	6.65	9.26	9.62	6.00	7.97	8.28	7.88	11.97	12.44	7.19	10.74	11.16	6.52	9.46	9.83
1200	0.15	5.2	7.79	10.42	12.45	7.07	9.21	11.01	6.41	7.96	9.51	8.33	11.83	14.14	7.60	10.63	12.70	6.92	9.38	11.21
	0.20	8.6	8.84	12.62	10.05	8.00	11.12	8.86	7.20	9.55	7.61	9.52	14.44	11.50	8.67	12.94	10.31	7.86	11.38	9.07
	0.30	17.4	9.32	13.99	8.36	8.43	12.31	7.35	7.56	10.54	6.30	10.08	16.07	9.60	9.18	14.39	8.60	8.30	12.63	7.55
	0.55	49.6	9.67	15.37	6.68	8.72	13.50	5.87	7.81	11.53	5.01	10.49	17.71	7.69	9.54	15.84	6.88	8.61	13.88	6.03
1600	0.20	10.1	9.14	12.03	14.38	8.33	10.67	12.75	7.58	9.26	11.07	9.71	13.58	16.23	8.88	12.22	14.60	8.11	10.82	12.93
	0.30	20.3	10.74	15.08	12.01	9.74	13.32	10.61	8.82	11.50	9.16	11.50	17.16	13.67	10.49	15.40	12.27	9.54	13.58	10.82
	0.40	33.4	11.55	17.03	10.17	10.46	15.01	8.97	9.42	12.90	7.71	12.42	19.47	11.63	11.32	17.45	10.43	10.27	15.35	9.17
	0.55	58.0	12.15	18.97	8.24	10.98	16.69	7.25	9.86	14.30	6.21	13.12	21.77	9.46	11.95	19.50	8.47	10.81	17.12	7.44
2000	0.30	26.5	12.07	16.21	12.91	10.96	14.34	11.42	9.94	12.40	9.88	12.88	18.39	14.65	11.77	16.52	13.16	10.71	14.59	11.62
	0.40	43.5	13.35	18.78	11.22	12.10	16.57	9.90	10.92	14.28	8.53	14.33	21.42	12.80	13.06	19.22	11.48	11.86	16.93	10.11
	0.55	75.5	14.10	20.61	9.85	12.76	18.16	8.68	11.49	15.59	7.45	15.19	23.59	11.27	13.84	21.14	10.10	12.55	18.59	8.88
	0.70	114.7	14.89	23.10	7.89	13.45	20.31	6.93	12.07	17.38	5.93	16.11	26.55	9.06	14.66	23.77	8.11	13.26	20.85	7.12

## 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	10.9	5.60	8.40	8.40	20.08	11.20	26.77	14.00	33.46	16.81	40.16	5.04	12.05	7.84	18.74	10.64	25.43	13.44	32.13	16.24	38.82
	0.15	21.9	6.26	9.40	9.40	14.97	12.53	19.96	15.66	24.95	18.80	29.94	5.64	8.98	8.77	13.97	11.90	18.96	15.04	23.95	18.17	28.94
	0.20	36.0	6.59	9.89	9.89	11.82	13.19	15.76	16.49	19.70	19.79	23.64	5.93	7.09	9.23	11.03	12.53	14.97	15.83	18.91	19.13	22.85
	0.30	72.7	6.79	10.19	10.19	9.74	13.59	12.99	16.98	16.23	20.38	19.48	6.11	5.84	9.51	9.09	12.91	12.34	16.30	15.58	19.70	18.83
1000	0.10	13.6	6.86	10.30	10.30	24.62	13.73	32.82	17.17	41.03	20.60	49.23	6.18	14.77	9.61	22.98	13.05	31.18	16.48	39.39	19.92	47.59
	0.20	45.2	8.24	12.36	12.36	19.70	16.48	26.26	20.61	32.83	24.73	39.39	7.42	11.82	11.54	18.38	15.66	24.95	19.78	31.51	23.90	38.08
	0.30	91.2	8.99	13.48	13.48	16.11	17.98	21.48	22.48	26.85	26.97	32.23	8.09	9.67	12.59	15.04	17.08	20.41	21.58	25.78	26.08	31.15
	0.40	150.0	9.29	13.94	13.94	14.48	18.58	19.31	23.23	24.13	27.88	28.96	8.36	8.69	13.01	13.51	17.65	18.34	22.30	23.17	26.95	27.99
1200	0.15	5.2	10.13	15.20	15.20	18.16	20.26	24.21	25.33	30.26	30.40	36.32	9.12	10.90	14.18	16.95	19.25	23.00	24.32	29.05	29.38	35.10
	0.20	8.6	11.15	16.72	16.72	13.32	22.30	17.76	27.88	22.20	33.45	26.64	10.03	7.99	15.61	12.43	21.18	16.87	26.76	21.31	32.34	25.75
	0.30	17.4	11.66	17.49	17.49	10.45	23.33	13.93	29.16	17.42	34.99	20.90	10.49	6.27	16.33	9.75	22.16	13.24	27.99	16.72	33.82	20.20
	0.55	49.6	12.09	18.13	18.13	7.88	24.18	10.50	30.23	13.13	36.27	15.76	10.88	4.73	16.93	7.35	22.97	9.98	29.02	12.61	35.06	15.23
1600	0.20	10.1	11.99	17.99	17.99	21.50	23.99	28.66	29.99	35.83	35.99	42.99	10.79	12.90	16.79	20.06	22.79	27.23	28.79	34.40	34.79	41.56
	0.30	20.3	13.73	20.60	20.60	16.41	27.47	21.88	34.34	27.35	41.21	32.82	12.36	9.85	19.23	15.31	26.10	20.78	32.96	26.25	39.83	31.72
	0.40	33.4	14.64	21.96	21.96	13.12	29.29	17.49	36.61	21.87	43.93	26.24	13.18	7.87	20.50	12.25	27.82	16.62	35.14	20.99	42.47	25.37
	0.55	58.0	15.40	23.11	23.11	10.04	30.81	13.38	38.51	16.73	46.22	20.08	13.86	6.02	21.57	9.37	29.27	12.72	36.97	16.06	44.68	19.41
2000	0.30	26.5	15.83	23.74	23.74	18.91	31.66	25.22	16.73	13.32	20.07	15.99	14.24	11.35	22.16	17.65	30.08	23.95	37.99	30.26	45.91	36.56
	0.40	43.5	17.11	25.67	25.67	15.33	34.23	20.44	19.05	11.38	22.86	13.66	15.40	9.20	23.96	14.31	32.51	19.42	41.07	24.53	49.63	29.64
	0.55	75.5	17.89	26.83	26.83	12.82	35.78	17.10	21.16	10.11	25.39	12.13	16.10	7.69	25.04	11.97	33.99	16.24	42.93	20.52	51.88	24.79
	0.70	114.7	18.78	28.17	28.17	9.62	37.56	12.82	44.50	15.19	53.40	18.23	16.90	5.77	26.29	8.97	35.68	12.18	45.08	15.39	54.47	18.59

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