

PERFORMANCE DATA

THC RECESSED CABINET

2-PIPE SYSTEM							
Model	2 Rows Cooling (1)				2 Rows Heating (1)		
	Total MBH	Sensible MBH	Flow gpm	PD ft wg	Sensible MBH	Flow gpm	PD ft wg
THC02	4.2	3.5	0.8	0.37	13.8	0.9	0.35
THC03	5.8	4.7	1.2	0.74	18.2	1.2	0.66
THC04	8.0	6.4	1.6	1.57	24.4	1.7	1.30
THC06	11.2	9.3	2.2	0.86	36.3	2.5	0.90
THC08	14.6	11.6	2.9	1.59	44.7	3.1	1.50
THC10	19.3	14.9	3.9	3.05	56.6	3.9	2.64
THC12	22.0	17.5	4.4	2.10	67.3	4.6	2.09

2-PIPE SYSTEM							
Model	3 Rows Cooling				3 Rows Heating		
	Total MBH	Sensible MBH	Flow gpm	PD ft wg	Sensible MBH	Flow gpm	PD ft wg
THC02	6.0	4.5	1.2	1.09	17.9	1.2	0.86
THC03	8.2	6.0	1.6	2.16	23.6	1.6	1.62
THC04	11.3	8.2	2.3	4.50	31.7	2.2	3.22
THC06	16.2	12.0	3.2	2.26	47.4	3.2	1.95
THC08	20.6	14.9	4.1	4.06	58.0	4.0	3.23
THC10	24.8	18.3	5.0	3.01	72.0	4.9	2.70
THC12	30.9	22.4	6.2	5.01	87.3	6.0	4.24

2-PIPE SYSTEM							
Model	4 Rows Cooling				4 Rows Heating		
	Total MBH	Sensible MBH	Flow gpm	PD ft wg	Sensible MBH	Flow gpm	PD ft wg
THC02	7.3	5.0	1.5	2.06	19.8	1.4	1.40
THC03	9.8	6.7	2.0	4.03	26.2	1.8	2.64
THC04	11.8	8.6	2.4	1.25	34.4	2.4	1.06
THC06	19.5	13.6	3.9	4.02	53.0	3.6	2.96
THC08	22.9	16.1	4.6	2.73	63.5	4.3	2.26
THC10	29.7	20.6	5.9	5.00	80.2	5.5	3.90
THC12	35.2	24.6	7.0	4.76	96.0	6.6	3.98

2-PIPE SYSTEM							
Model	5 Rows Cooling				5 Rows Heating		
	Total MBH	Sensible MBH	Flow gpm	PD ft wg	Sensible MBH	Flow gpm	PD ft wg
THC02	8.0	5.3	1.6	3.07	20.3	1.4	1.85
THC03	9.6	6.6	1.9	0.89	26.4	1.8	0.68
THC04	13.3	9.1	2.7	1.83	35.8	2.4	1.34
THC06	21.4	14.3	4.3	5.69	54.8	3.7	3.74
THC08	25.2	16.9	5.0	3.76	65.7	4.5	2.75
THC10	33.7	22.9	6.7	4.52	89.1	6.1	3.57
THC12	38.7	25.8	7.7	6.34	99.3	6.8	4.73

4-PIPE SYSTEM							
Model	2 Rows Cooling				1 Row Heating		
	Total MBH	Sensible MBH	Flow gpm	PD ft wg	Sensible MBH	Flow gpm	PD ft wg
THC02	4.1	3.3	0.8	0.34	7.8	0.5	0.43
THC03	5.6	4.5	1.1	0.69	10.2	0.7	0.81
THC04	7.7	6.1	1.5	1.46	13.7	0.9	1.61
THC06	10.8	8.8	2.1	0.79	21.2	1.4	5.55
THC08	14.0	11.1	2.8	1.46	25.1	1.7	1.16
THC10	18.5	14.2	3.7	2.81	31.9	2.2	2.18
THC12	21.1	16.7	4.2	1.93	38.7	2.6	3.58

4-PIPE SYSTEM							
Model	3 Rows Cooling				1 Row Heating		
	Total MBH	Sensible MBH	Flow gpm	PD ft wg	Sensible MBH	Flow gpm	PD ft wg
THC02	5.8	4.3	1.2	1.02	7.5	0.5	0.41
THC03	7.8	5.7	1.6	1.98	9.8	0.7	0.77
THC04	10.8	7.8	2.2	4.15	13.2	0.9	1.53
THC06	15.4	11.4	3.1	2.08	20.4	1.4	4.60
THC08	19.7	14.1	3.9	3.72	24.1	1.6	1.21
THC10	23.7	17.4	4.7	2.76	30.7	2.1	2.17
THC12	29.6	21.3	5.9	4.59	37.2	2.5	3.61

4-PIPE SYSTEM							
Model	4 Rows Cooling				1 Row Heating		
	Total MBH	Sensible MBH	Flow gpm	PD ft wg	Sensible MBH	Flow gpm	PD ft wg
THC02	6.9	4.7	1.4	1.87.00	7.2	0.5	0.39
THC03	9.3	6.3	1.9	3.65	9.4	0.6	0.73
THC04	11.2	8.1	2.2	1.13	12.6	0.9	1.42
THC06	18.5	12.8	3.7	3.62	19.4	1.3	4.31
THC08	21.6	15.1	4.3	2.45	23.1	1.6	1.18
THC10	28.2	19.4	5.6	4.54	29.3	2.0	2.18
THC12	33.3	23.0	6.6	4.26	35.5	2.4	3.51

- Standard basic unit.
- All ratings are based at sea level altitude, nominal air volumes at 0 external static pressure and with water as the cooling fluid.

- Cooling capacities are based on 80°F DB/67°F WB entering air, 45°F entering water, 10°F water temperature rise and high fan speed.
- Heating capacities are based on 70°F DB entering air temperature, 180°F entering hot water, 30°F water temperature drop and high fan speed.

PERFORMANCE DATA

Nominal Air Volumes			
Model	cfm (1)		
	High	Med	Low
THC02	235	209	182
THC03	316	262	203
THC04	433	310	225
THC06	653	471	321
THC08	781	615	449
THC10	979	861	567
THC12	1177	931	642

Air Volume (cfm) Vs External Static Pressure in wg (2)						
Model	0.05	0.10	0.15	0.20	0.25	0.30
THC02	198	150	102	-	-	-
THC03	278	241	193	166	-	-
THC04	401	363	337	310	235	-
THC06	602	546	508	473	380	-
THC08	690	624	578	542	497	419
THC10	911	840	769	693	602	475
THC12	1106	1044	986	927	859	775

- Nominal air volume ratings are based on a 2-row coil at sea level altitude with 0 external static pressure.
- Air volumes at alternative external static pressures are based at high fan speed.

Model	Motor	
	HP	Total AMPS
THC02	1/20	0.8
THC03	1/20	0.8
THC04	1/20	0.8
THC06	1/10	1.5
THC08	1/10	1.5
THC10	1/10	1.5
THC12	1/10	1.5

- Electric ratings are based on units suitable for a power supply of 115V/1Ph/60Hz.