

VSM / VSS RECESSED PRIMARY / SECONDARY

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
VSM / S03	9.5	6.8	1.9	4.35	24.7	1.7	2.71
VSM / S04	10.8	7.9	2.2	5.57	29.0	2.0	3.66
VSM / S06	14.9	11.1	3.0	2.39	41.7	2.8	1.86
VSM / S08	18.3	14.1	3.7	3.56	53.1	3.6	2.95
VSM / S10	24.4	18.6	4.9	3.31	70.1	4.8	2.86
VSM / S12	26.2	20.2	5.2	3.78	76.2	5.2	3.35

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
VSM / S03	12.4	8.3	2.5	10.72	31.1	2.1	6.26
VSM / S04	12.8	9.1	2.6	1.97	35.8	2.4	1.52
VSM / S06	20.0	13.8	4.0	5.83	53.0	3.6	4.00
VSM / S08	23.4	17.2	4.7	3.28	67.5	4.6	2.83
VSM / S10	33.5	23.5	6.7	7.82	90.0	6.1	5.87
VSM / S12	34.3	25.0	6.9	4.95	97.2	6.6	4.32

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
VSM / S03	12.9	8.6	2.6	2.54	32.7	2.2	1.61
VSM / S04	15.0	10.1	3.0	3.39	39.1	2.7	2.26
VSM / S06	21.8	14.7	4.4	3.46	56.8	3.9	2.45
VSM / S08	28.1	19.4	5.6	5.61	75.2	5.1	4.17
VSM / S10	37.6	25.5	7.5	6.85	98.1	6.7	5.11
VSM / S12	40.9	28.0	8.2	8.04	108.0	7.4	6.13

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
VSM / S03	13.7	8.8	2.7	3.44	33.0	2.3	1.96
VSM / S04	16.2	10.5	3.2	4.69	39.8	2.7	2.79
VSM / S06	23.4	15.2	4.7	4.63	57.6	3.9	2.93
VSM / S08	29.5	19.9	5.9	4.16	77.0	5.3	3.11
VSM / S10	40.5	26.5	8.1	9.00	100.4	6.9	6.07
VSM / S12	44.5	29.3	8.9	10.77	111.2	7.6	7.37

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
VSM / S03	9.1	6.6	1.8	4.01	15.8	1.1	4.24
VSM / S04	10.5	7.5	2.1	5.21	18.1	1.2	5.46
VSM / S06	14.2	10.5	2.8	2.20	26.3	1.8	2.08
VSM / S08	17.6	13.5	3.5	3.30	32.8	2.2	3.15
VSM / S10	23.5	17.7	4.7	3.06	43.7	3.0	7.13
VSM / S12	25.1	19.2	5.0	3.49	47.1	3.2	8.19

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
VSM / S03	11.9	7.9	2.4	9.79	15.0	1.0	3.92
VSM / S04	12.2	8.7	2.4	1.81	17.2	1.2	5.04
VSM / S06	19.0	13.1	3.8	5.29	25.1	1.7	2.02
VSM / S08	22.5	16.4	4.5	3.04	31.4	2.1	3.04
VSM / S10	31.9	22.3	6.4	7.11	41.8	2.9	6.87
VSM / S12	32.8	23.7	6.6	4.53	45.0	3.1	7.85

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
VSM / S03	12.2	8.0	2.4	2.27	14.3	1.0	3.57
VSM / S04	14.2	9.5	2.8	3.05	16.4	1.1	4.62
VSM / S06	20.6	13.8	4.1	3.11	23.9	1.6	1.90
VSM / S08	26.6	18.3	5.3	5.07	29.9	2.0	2.94
VSM / S10	35.5	24.0	7.1	6.12	39.8	2.7	6.48
VSM / S12	38.7	26.4	7.7	7.25	42.9	2.9	7.49

Model	Motor	
	HP	Total AMPS
VSM / S03	1/10	1.50
VSM / S04	1/10	1.50
VSM / S06	1/10	1.90
VSM / S08	1/4	3.50
VSM / S10	1/4	3.90
VSM / S12	1/3	4.00

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

- 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

Model	Nominal Air Volumes		
	cfm (1)		
	High	Med	Low
VSM / S03	362	303	254
VSM / S04	445	355	293
VSM / S06	643	488	399
VSM / S08	916	731	576
VSM / S10	1153	945	651
VSM / S12	1300	1202	977

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