

VSR RECESSED HI-RISE

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
VSR03	9.5	6.8	1.9	4.35	24.7	1.7	2.71
VSR04	10.8	7.9	2.2	5.57	29.0	2.0	3.66
VSR06	14.9	11.1	3.0	2.39	41.7	2.8	1.86
VSR08	18.3	14.1	3.7	3.56	53.1	3.6	2.95
VSR10	24.4	18.6	4.9	3.31	70.1	4.8	2.86
VSR12	26.2	20.2	5.2	3.78	76.2	5.2	3.35

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
VSR03	9.1	6.6	1.8	4.01	15.8	1.1	4.24
VSR04	10.5	7.5	2.1	5.21	18.1	1.2	5.46
VSR06	14.2	10.5	2.8	2.20	26.3	1.8	2.08
VSR08	17.6	13.5	3.5	3.30	32.8	2.2	3.15
VSR10	23.5	17.7	4.7	3.06	43.7	3.0	7.13
VSR12	25.1	19.2	5.0	3.49	47.1	3.2	8.19

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
VSR03	12.4	8.3	2.5	10.72	31.1	2.1	6.26
VSR04	12.8	9.1	2.6	1.97	35.8	2.4	1.52
VSR06	20.0	13.8	4.0	5.83	53.0	3.6	4.00
VSR08	23.4	17.2	4.7	3.28	67.5	4.6	2.83
VSR10	33.5	23.5	6.7	7.82	90.0	6.1	5.87
VSR12	34.3	25.0	6.9	4.95	97.2	6.6	4.32

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
VSR03	11.9	7.9	2.4	9.79	15.0	1.0	3.92
VSR04	12.2	8.7	2.4	1.81	17.2	1.2	5.04
VSR06	19.0	13.1	3.8	5.29	25.1	1.7	2.02
VSR08	22.5	16.4	4.5	3.04	31.4	2.1	3.04
VSR10	31.9	22.3	6.4	7.11	41.8	2.9	6.87
VSR12	32.8	23.7	6.6	4.53	45.0	3.1	7.85

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
VSR03	12.9	8.6	2.6	2.54	32.7	2.2	1.61
VSR04	15.0	10.1	3.0	3.39	39.1	2.7	2.26
VSR06	21.8	14.7	4.4	3.46	56.8	3.9	2.45
VSR08	28.1	19.4	5.6	5.61	75.2	5.1	4.17
VSR10	37.6	25.5	7.5	6.85	98.1	6.7	5.11
VSR12	40.9	28.0	8.2	8.04	108.0	7.4	6.13

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
VSR03	12.2	8.0	2.4	2.27	14.3	1.0	3.57
VSR04	14.2	9.5	2.8	3.05	16.4	1.1	4.62
VSR06	20.6	13.8	4.1	3.11	23.9	1.6	1.90
VSR08	26.6	18.3	5.3	5.07	29.9	2.0	2.94
VSR10	35.5	24.0	7.1	6.12	39.8	2.7	6.48
VSR12	38.7	26.4	7.7	7.25	42.9	2.9	7.49

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
VSR03	13.7	8.8	2.7	3.44	33.0	2.3	1.96
VSR04	16.2	10.5	3.2	4.69	39.8	2.7	2.79
VSR06	23.4	15.2	4.7	4.63	57.6	3.9	2.93
VSR08	29.5	19.9	5.9	4.16	77.0	5.3	3.11
VSR10	40.5	26.5	8.1	9.00	100.4	6.9	6.07
VSR12	44.5	29.3	8.9	10.77	111.2	7.6	7.37

Model	Motor	
	HP	Total AMPS
VSR03	1/10	1.50
VSR04	1/10	1.50
VSR06	1/10	1.90
VSR08	1/4	3.50
VSR10	1/4	3.90
VSR12	1/3	4.00

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

Model	Nominal Air Volumes		
	cfm (1)		
	High	Med	Low
VSR03	362	303	254
VSR04	445	355	293
VSR06	643	488	399
VSR08	916	731	576
VSR10	1153	945	651
VSR12	1300	1202	977

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

- 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

