

PERFORMANCE DATA

AVS 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
AVS03	9.5	6.8	1.9	4.35	24.7	1.7	2.71
AVS04	10.8	7.9	2.2	5.57	29.0	2.0	3.66
AVS06	14.9	11.1	3.0	2.39	41.7	2.8	1.86
AVS08	18.3	14.1	3.7	3.56	53.1	3.6	2.95
AVS10	24.4	18.6	4.9	3.31	70.1	4.8	2.86
AVS12	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
AVS03	9.1	6.6	1.8	4.01	15.8	1.1	4.24
AVS04	10.5	7.5	2.1	5.21	18.1	1.2	5.46
AVS06	14.2	10.5	2.8	2.20	26.3	1.8	2.08
AVS08	17.6	13.5	3.5	3.30	32.8	2.2	3.15
AVS10	23.5	17.7	4.7	3.06	43.7	3.0	7.13
AVS12	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
AVS03	12.4	8.3	2.5	10.72	31.1	2.1	6.26
AVS04	12.8	9.1	2.6	1.97	35.8	2.4	1.52
AVS06	20.0	13.8	4.0	5.83	53.0	3.6	4.00
AVS08	23.4	17.2	4.7	3.28	67.5	4.6	2.83
AVS10	33.5	23.5	6.7	7.82	90.0	6.1	5.87
AVS12	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
AVS03	11.9	7.9	2.4	9.79	15.0	1.0	3.92
AVS04	12.2	8.7	2.4	1.81	17.2	1.2	5.04
AVS06	19.0	13.1	3.8	5.29	25.1	1.7	2.02
AVS08	22.5	16.4	4.5	3.04	31.4	2.1	3.04
AVS10	31.9	22.3	6.4	7.11	41.8	2.9	6.87
AVS12	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
AVS03	12.9	8.6	2.6	2.54	32.7	2.2	1.61
AVS04	15.0	10.1	3.0	3.39	39.1	2.7	2.26
AVS06	21.8	14.7	4.4	3.46	56.8	3.9	2.45
AVS08	28.1	19.4	5.6	5.61	75.2	5.1	4.17
AVS10	37.6	25.5	7.5	6.85	98.1	6.7	5.11
AVS12	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
AVS03	12.2	8.0	2.4	2.27	14.3	1.0	3.57
AVS04	14.2	9.5	2.8	3.05	16.4	1.1	4.62
AVS06	20.6	13.8	4.1	3.11	23.9	1.6	1.90
AVS08	26.6	18.3	5.3	5.07	29.9	2.0	2.94
AVS10	35.5	24.0	7.1	6.12	39.8	2.7	6.48
AVS12	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
AVS03	13.7	8.8	2.7	3.44	33.0	2.3	1.96
AVS04	16.2	10.5	3.2	4.69	39.8	2.7	2.79
AVS06	23.4	15.2	4.7	4.63	57.6	3.9	2.93
AVS08	29.5	19.9	5.9	4.16	77.0	5.3	3.11
AVS10	40.5	26.5	8.1	9.00	100.4	6.9	6.07
AVS12	44.5	29.3	8.9	10.77	111.2	7.6	7.37

- 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, 10F 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.

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Model	Motor	
	HP	Total AMPS
AVS03	1/10	1.50
AVS04	1/10	1.50
AVS06	1/10	1.90
AVS08	1/4	3.50
AVS10	1/4	3.90
AVS12	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
AVS03	362	303	254
AVS04	445	355	293
AVS06	643	488	399
AVS08	916	731	576
AVS10	1153	945	651
AVS12	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.