

Heating Capacities for UV-1600 Hot Water Coils

Table 1.0 UV-1600H Heating Capacity (MBH)
High Capacity 2 Row Coil Performance

Water	CFM					WPD (Ft of H2O)
	800	1000	1200	1400	1600	
4	53.52	59.72	64.94	69.44	73.39	1.5
5	55.53	62.29	68.05	73.06	77.48	2.5
6	56.97	64.13	70.30	75.69	80.48	3.5
7	58.04	65.53	71.99	77.70	82.77	4.6
8	58.88	66.62	73.33	79.28	84.59	6.1

Table 1.0 UV-1600H Heating Capacity (MBH)
High Capacity 3 Row Coil Performance

Water	CFM					WPD (Ft of H2O)
	800	1000	1200	1400	1600	
4	68.32	77.02	84.36	90.68	96.17	1.6
5	70.86	80.44	88.61	95.70	101.98	2.6
6	72.64	82.85	91.64	99.35	106.21	3.6
7	73.95	84.65	93.92	102.11	109.41	4.9
8	74.97	86.04	95.70	104.27	112.52	6.4

The above values are based on 48° entering air and 190° entering water

Table 1.3 Correction Factor

EWT (°F)	Entering Air Temperature (°F)				
	40	45	50	55	60
150	0.76	0.72	0.69	0.66	0.62
160	0.83	0.80	0.76	0.73	0.70
170	0.91	0.87	0.84	0.80	0.77
180	0.98	0.95	0.91	0.88	0.84
190	1.06	1.02	0.99	0.95	0.92
200	1.13	1.10	1.06	1.03	0.99

The unit air delivery range is within the charts above. Motor horse power ranges from 1/9 to 1/2 and is determined by design conditions. All motors are 3 speed direct drive.