PFLS, AFLS, DFLS / WATER COIL HEATING CAPACITY (MBH)

Unit Size	Rows	gpm	Head Loss	Airflow, cfm							
				300	350	400	450	500	550	600	650
2-3	One Row	1.0	0.10	10.3	11.0	11.6	12.1	12.6	13.0	13.4	13.7
		2.0	0.33	11.5	12.4	13.2	13.9	14.5	15.0	15.6	16.0
		4.0	1.24	12.3	13.3	14.1	14.9	15.7	16.3	17.0	17.5
		6.0	2.70	12.5	13.6	14.5	15.3	16.1	16.8	17.5	18.1
		Airside ∆Ps		0.02	0.03	0.04	0.05	0.05	0.06	0.07	0.08
	Two Row	1.0	0.20	17.2	18.5	19.6	20.6	21.5	22.3	23.0	23.6
		2.0	0.61	19.7	21.5	23.1	24.6	25.9	27.1	28.2	29.2
		4.0	2.26	21.1	23.2	25.2	26.9	28.6	30.1	31.5	32.8
		6.0	4.90	21.6	23.9	25.9	27.8	29.6	31.2	32.7	34.1
		Airside ∆Ps		0.05	0.06	0.08	0.09	0.11	0.13	0.15	0.17

Unit Size	Rows	gpm	Head Loss	Airflow, cfm							
				450	500	550	600	650	700	750	800
4	One Row	1.0	0.15	16.00	16.6	17.2	17.8	18.3	18.8	19.2	19.6
		2.0	0.48	18.3	19.2	20.1	20.9	21.6	22.3	23.0	23.6
		4.0	1.79	19.7	20.8	21.8	22.7	23.6	24.5	25.3	26.0
		6.0	3.90	20.2	21.3	22.4	23.4	24.4	25.3	26.1	26.9
		Airside ∆Ps		0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.05
	Two Row	1.0	0.29	25.3	26.5	27.6	28.6	29.4	30.2	31.0	31.6
		2.0	0.91	30.00	31.9	33.6	35.2	36.6	38.0	39.3	40.5
		4.0	3.36	32.7	35	37.2	39.2	41.0	42.8	44.5	46.1
		6.0	7.29	33.7	36.2	38.5	40.6	42.7	44.6	46.5	48.2
		Airside ∆Ps		0.04	0.04	0.05	0.06	0.06	0.07	0.08	0.09

- All coil performance in accordance with AHRI 410-2001
- Heating capacities are in MBH
- Data based on 180°F entering water and 65°F entering air
- For temperature differentials other than 115°, multiply MBH by correction factors below
- Head loss is in feet of water
- Always supply water to lowest connection pipe to prevent air entrapment
- Air temperature rise = 927 x MBH/cfm
- Water temperature drop = 2.04 x MBH/gpm
- Connection size is ½" OD male solder
- Coils are not intended for steam applications and are labeled for a maximum water temperature of 200°F
- Coils are tested for leakage at test pressure of 500 psi
- Water volumes less than those shown may result in laminar flow and reduced heating capacity. If possible reduce the number of coil rows to increase water velocity into turbulent range.
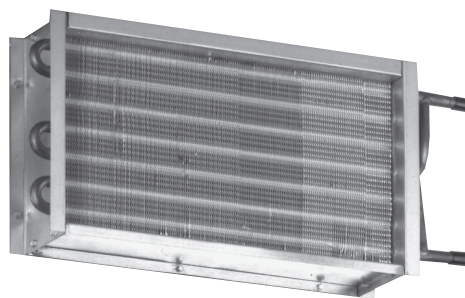
Correction factors for other entering conditions:

∆T	50	60	70	80	90	100	115	125	140	150
Factor	0.44	0.52	0.61	0.7	0.79	0.88	1	1.07	1.2	1.3