

Fan Coil Blower

COOLING COIL CAPACITY

Model DD	Water Flowrate (m ³ /h)	Chilled Water Coil									DX Coil	
		3 Row Coil			4 Row Coil			6 Row Coil			4 Row Coil	
		Water Pressure Drop (kPa)	Total Cooling (kW)	Sensible Cooling (kW)	Water Pressure Drop (kPa)	Total Cooling (kW)	Sensible Cooling (kW)	Water Pressure Drop (kPa)	Total Cooling (kW)	Sensible Cooling (kW)	Total Cooling (kW)	Sensible Cooling (kW)
800	1.37	13.1	7.0	5.2	8.4	7.9	5.8	4.5	9.0	6.5	9.2	5.9
	1.80	21.5	7.6	5.5	13.4	8.6	6.1	7.2	9.9	6.9		
1200	1.37	15.8	9.8	7.6	3.9	10.2	8.1	1.8	11.6	8.9	13.8	8.9
	2.05	32.0	11.2	8.1	7.8	11.8	8.7	3.6	13.6	9.7		
1600	2.27	9.3	13.1	10.1	6.0	14.7	11.2	2.7	16.9	12.5	18.8	12.2
	2.74	12.5	14.0	10.4	8.4	15.7	11.6	3.6	18.1	13.0		
2000	2.95	16.1	17.3	13.0	10.8	19.5	14.5	4.8	22.4	16.1	24.2	15.4
	3.64	23.0	18.5	13.5	15.2	20.8	15.0	6.6	24.0	16.8		
3000	4.10	12.3	24.8	19.0	14.6	29.3	21.7	3.3	32.0	23.5	32.6	21.7
	5.22	18.8	26.9	19.9	22.4	31.7	22.7	5.1	34.9	24.7		
4000	4.75	18.2	33.1	25.4	3.9	34.5	27.2	5.1	42.6	31.4	46.7	30.1
	6.12	28.1	36.1	26.6	6.0	37.9	28.4	7.8	46.7	33.0		

Notes: 1. Water cooling coil rated at 27°C/19°C entering air, 7°C entering water at nominal cfm.
 2. DX cooling coils rated at 27°C/19°C entering air, 4°C S.S.T. at nominal cfm, R22.
 3. For other conditions contact American Pro® for computer selection.

AIR VOLUME CAPACITY CORRECTION FACTORS

	Coil Type	Percent (%) Nominal cfm					
		70	80	90	100	110	120
Total Factor	Chilled Water 3 Row	0.90	0.94	0.97	1.00	1.03	1.05
	Chilled Water 4 Row	0.89	0.93	0.97	1.00	1.03	1.06
	Chilled Water 6 Row	0.88	0.92	0.96	1.00	1.04	1.07
	DX 4 Row	0.90	0.94	0.97	1.00	1.03	1.05
Depression Ratio	Chilled Water 3 Row	0.16	0.18	0.20	0.22	0.24	0.25
	Chilled Water 4 Row	0.09	0.10	0.12	0.13	0.14	0.15
	Chilled Water 6 Row	0.03	0.04	0.04	0.05	0.05	0.06
	DX 4 Row	0.13	0.15	0.16	0.18	0.20	0.21

TOTAL CAPACITY CORRECTION FACTORS

ENT'G W.B.(°F)	DX Coil						Chilled Water Coil						
	Saturated Suction Temperature °C						Entering Water Temperature °C						
	2	3	4	6	7	8	4	6	6.6	7.2	8	9	10
17	0.94	0.87	0.80	0.74	0.67	0.60	0.95	0.89	0.82	0.78	0.75	0.67	0.61
18	1.04	0.97	0.90	0.84	0.77	0.70	1.06	0.99	0.92	0.89	0.85	0.78	0.70
19	1.14	1.07	1.00	0.94	0.87	0.80	1.18	1.11	1.04	1.00	0.96	0.88	0.79
21	1.24	1.17	1.10	1.04	0.97	0.90	1.30	1.22	1.15	1.12	1.08	1.00	0.91
22	1.34	1.27	1.20	1.14	1.07	1.00	1.42	1.35	1.28	1.24	1.20	1.11	1.00

APPROXIMATE SHIPPING WEIGHTS – lbs[kg]*

Rows Of Coil	Model					
	DD800	DD1200	DD1600	DD2000	DD3000	DD4000
3	220 [100]	260 [118]	310 [141]	353 [160]	412 [187]	535 [243]
4	230 [104]	270 [122]	320 [145]	360 [163]	424 [192]	545 [247]
6	250 [113]	290 [132]	350 [159]	373 [169]	467 [212]	565 [256]

*Includes motor