

Fan Coil Performance Data

The Whalen Company

Model WFC-1000

Cooling Capacity

Entering Water°F	Entering air Water Rise°F	75.0 db°F / 63.0 wb°F				78.0 db°F 65.0 wb°F				80.0 db°F 67.0 wb°F			
		10	12	14	16	10	12	14	16	10	12	14	16
		42	Cool kBTU Sens. kBTU GPM dp FT	34.4 24.4 6.9 11.8	31.5 23.1 5.3 6.9	28.7 21.8 4.1 4.2	25.9 20.6 3.2 2.6	38.7 26.5 7.7 14.9	35.8 25.2 6.0 8.9	32.9 24.0 4.7 5.5	30.1 22.9 3.8 3.5	43.9 28.1 8.8 19.2	41.0 26.8 6.8 11.6
43	Cool kBTU Sens. kBTU GPM dp FT	31.8 23.2 6.4 10.1	29.0 21.9 4.8 5.8	26.1 20.8 3.7 3.5	23.4 19.6 2.9 2.1	36.1 25.4 7.2 13.0	33.2 24.1 5.5 7.6	30.4 23.0 4.3 4.7	27.7 21.8 3.5 3.0	41.2 26.9 8.2 16.9	38.3 25.7 6.4 10.2	35.5 24.5 5.1 6.4	32.6 23.3 4.1 4.1
44	Cool kBTU Sens. kBTU GPM dp FT	29.3 22.1 5.9 8.5	26.5 20.9 4.4 4.8	23.7 19.8 3.4 2.9	21.0 18.7 2.6 1.7	33.5 24.3 6.7 11.2	30.7 23.1 5.1 6.5	28.0 22.0 4.0 4.0	25.3 20.9 3.2 2.5	38.6 25.8 7.7 14.8	35.7 24.6 6.0 8.8	32.9 23.4 4.7 5.5	30.1 22.3 3.8 3.5
45	Cool kBTU Sens. kBTU GPM dp FT	26.8 21.0 5.4 7.2	24.0 19.9 4.0 4.0	21.3 18.8 3.0 2.3	18.8 17.8 2.3 1.4	31.1 23.2 6.2 9.6	28.3 22.1 4.7 5.5	25.6 21.0 3.7 3.3	22.9 20.0 2.9 2.0	36.0 24.7 7.2 12.9	33.2 23.5 5.5 7.6	30.4 22.4 4.3 4.7	27.7 21.4 3.5 3.0
46	Cool kBTU Sens. kBTU GPM dp FT	24.4 20.0 4.9 5.9	21.7 18.9 3.6 3.3	19.1 17.9 2.7 1.8	16.6 16.6 2.1 1.1	28.6 22.2 5.7 8.2	25.9 21.1 4.3 4.6	23.2 20.1 3.3 2.7	20.7 19.1 2.6 1.7	33.5 23.7 6.7 11.2	30.7 22.6 5.1 6.5	27.9 21.5 4.0 4.0	25.3 20.5 3.2 2.5
47	Cool kBTU Sens. kBTU GPM dp FT	22.1 19.1 4.4 4.9	19.4 18.0 3.2 2.6	16.9 16.9 2.4 1.4	14.5 14.5 1.8 0.8	26.3 21.3 5.3 6.9	23.6 20.2 3.9 3.8	21.0 19.2 3.0 2.2	18.5 18.3 2.3 1.3	31.0 22.7 6.2 9.6	28.3 21.6 4.7 5.5	25.6 20.6 3.7 3.3	23.0 19.6 2.9 2.1
48	Cool kBTU Sens. kBTU GPM dp FT	19.8 18.2 4.0 3.9	17.2 17.2 2.9 2.1	14.7 14.7 2.1 1.1	12.5 12.5 1.6 0.6	24.0 20.4 4.8 5.7	21.3 19.4 3.6 3.2	18.8 18.4 2.7 1.8	16.4 16.4 2.0 1.0	28.6 21.8 5.7 8.2	25.9 20.7 4.3 4.6	23.3 19.8 3.3 2.8	20.7 18.8 2.6 1.7

Heating Capacity - 2Pipe configuration

Entering Water°F	Entering air Water Rise°F	65.0 db°F				70.0 db°F				75.0 db°F			
		15	20	25	30	15	20	25	30	15	20	25	30
		120	Heat kBTU GPM dp FT	42.5 5.7 8.0	39.0 3.9 3.8	35.6 2.8 2.0	32.4 2.2 1.2	37.7 5.0 6.3	34.2 3.4 2.9	30.9 2.5 1.5	27.7 1.8 0.8	32.9 4.4 4.8	29.4 2.9 2.2
130	Heat kBTU GPM dp FT	52.2 7.0 12.1	48.6 4.9 5.9	45.2 3.6 3.3	41.8 2.8 1.9	47.4 6.3 9.9	43.8 4.4 4.8	40.4 3.2 2.6	37.0 2.5 1.5	42.5 5.7 8.0	39.0 3.9 3.8	35.6 2.8 2.0	32.3 2.2 1.2
140	Heat kBTU GPM dp FT	61.9 8.3 17.0	58.3 5.8 8.5	54.8 4.4 4.8	51.3 3.4 2.9	57.1 7.6 14.4	53.5 5.3 7.1	50.0 4.0 4.0	46.6 3.1 2.4	52.2 7.0 12.1	48.7 4.9 5.9	45.2 3.6 3.3	41.8 2.8 1.9
150	Heat kBTU GPM dp FT	71.6 9.5 22.7	68.0 6.8 11.5	64.4 5.2 6.6	60.9 4.1 4.1	66.8 8.9 19.7	63.2 6.3 9.9	59.6 4.8 5.7	56.1 3.7 3.5	61.9 8.3 17.0	58.3 5.8 8.5	54.8 4.4 4.8	51.3 3.4 2.9

Heating Capacity - 4Pipe configuration (Standard coils- other coils available)

Entering Water°F	Entering air Water Rise°F	65.0 db°F				70.0 db°F				75.0 db°F			
		30	40	50	60	30	40	50	60	30	40	50	60
		160	Heat kBTU GPM dp FT	38.0 2.5 15.7	35.0 1.8 7.5	32.1 1.3 4.0	29.1 1.0 2.3	35.5 2.4 13.7	32.6 1.6 6.5	29.6 1.2 3.4	26.7 0.9 1.9	33.0 2.2 11.9	30.1 1.5 5.5
180	Heat kBTU GPM dp FT	47.9 3.2 24.9	44.9 2.2 12.3	41.9 1.7 6.9	39.0 1.3 4.1	45.4 3.0 22.4	42.4 2.1 11.0	39.5 1.6 6.1	36.5 1.2 3.6	42.9 2.9 20.1	40.0 2.0 9.8	37.0 1.5 5.4	34.1 1.1 3.2