

Fan Coil Performance Data

The Whalen Company

Model WFC-400

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	12.2 9.0 2.4 10.8	11.1 8.6 1.9 6.2	10.1 8.1 1.4 3.7	9.0 7.7 1.1 2.3	13.8 9.8 2.8 13.7	12.7 9.4 2.1 8.0	11.6 8.9 1.7 5.0	10.6 8.5 1.3 3.2	15.7 10.4 3.1 17.7	14.6 9.9 2.4 10.6
43	Cool kBTU Sens. kBTU GPM dp FT	11.3 8.6 2.3 9.2	10.2 8.2 1.7 5.2	9.2 7.8 1.3 3.1	8.2 7.4 1.0 1.9	12.8 9.4 2.6 11.8	11.8 9.0 2.0 6.9	10.7 8.6 1.5 4.2	9.7 8.2 1.2 2.6	14.7 10.0 2.9 15.5	13.6 9.5 2.3 9.2	12.5 9.1 1.8 5.8	11.5 8.7 1.4 3.7
44	Cool kBTU Sens. kBTU GPM dp FT	10.4 8.3 2.1 7.7	9.3 7.8 1.6 4.3	8.3 7.4 1.2 2.5	7.3 7.0 0.9 1.5	11.9 9.1 2.4 10.2	10.9 8.6 1.8 5.9	9.8 8.2 1.4 3.5	8.8 7.8 1.1 2.2	13.7 9.6 2.7 13.6	12.7 9.2 2.1 8.0	11.6 8.7 1.7 4.9	10.6 8.4 1.3 3.1
45	Cool kBTU Sens. kBTU GPM dp FT	9.5 7.9 1.9 6.5	8.4 7.5 1.4 3.6	7.5 7.1 1.1 2.0	6.5 6.5 0.8 1.2	11.0 8.7 2.2 8.7	10.0 8.3 1.7 5.0	9.0 7.9 1.3 3.0	8.0 7.5 1.0 1.8	12.8 9.2 2.6 11.8	11.7 8.8 2.0 6.9	10.7 8.4 1.5 4.2	9.7 8.0 1.2 2.6
46	Cool kBTU Sens. kBTU GPM dp FT	8.6 7.5 1.7 5.3	7.6 7.1 1.3 2.9	6.6 6.6 0.9 1.6	5.7 5.7 0.7 0.9	10.1 8.4 2.0 7.4	9.1 8.0 1.5 4.2	8.1 7.6 1.2 2.4	7.2 7.2 0.9 1.5	11.9 8.9 2.4 10.2	10.8 8.5 1.8 5.9	9.8 8.1 1.4 3.5	8.8 7.7 1.1 2.2
47	Cool kBTU Sens. kBTU GPM dp FT	7.8 7.2 1.6 4.3	6.8 6.8 1.1 2.3	5.9 5.9 0.8 1.3	5.0 5.0 0.6 0.7	9.3 8.0 1.9 6.2	8.3 7.6 1.4 3.4	7.3 7.3 1.0 2.0	6.4 6.4 0.8 1.2	11.0 8.5 2.2 8.7	10.0 8.1 1.7 5.0	9.0 7.8 1.3 3.0	8.0 7.4 1.0 1.8
48	Cool kBTU Sens. kBTU GPM dp FT	7.0 6.9 1.4 3.5	6.0 6.0 1.0 1.8	5.1 5.1 0.7 1.0	4.3 4.3 0.5 0.5	8.5 7.7 1.7 5.1	7.5 7.3 1.2 2.8	6.6 6.6 0.9 1.6	5.7 5.7 0.7 0.9	10.1 8.2 2.0 7.4	9.1 7.8 1.5 4.2	8.1 7.5 1.2 2.4	7.2 7.1 0.9 1.5

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	17.4 2.3 9.7	16.0 1.6 4.6	14.6 1.2 2.4	13.2 0.9 1.4	15.4 2.1 7.6	14.0 1.4 3.5	12.6 1.0 1.8	11.3 0.8 1.0	13.5 1.8 5.8	12.1 1.2 2.6
130	Heat kBTU GPM dp FT	21.4 2.9 14.6	19.9 2.0 7.1	18.5 1.5 3.9	17.1 1.1 2.3	19.4 2.6 12.0	17.9 1.8 5.8	16.5 1.3 3.1	15.2 1.0 1.8	17.4 2.3 9.7	16.0 1.6 4.6	14.6 1.2 2.4	13.2 0.9 1.4
140	Heat kBTU GPM dp FT	25.4 3.4 20.6	23.9 2.4 10.3	22.4 1.8 5.8	21.0 1.4 3.5	23.4 3.1 17.5	21.9 2.2 8.6	20.5 1.6 4.8	19.1 1.3 2.9	21.4 2.9 14.6	19.9 2.0 7.1	18.5 1.5 3.9	17.1 1.1 2.3
150	Heat kBTU GPM dp FT	29.3 3.9 27.5	27.8 2.8 14.0	26.4 2.1 8.0	24.9 1.7 5.0	27.3 3.6 23.9	25.9 2.6 12.0	24.4 2.0 6.9	23.0 1.5 4.2	25.4 3.4 20.6	23.9 2.4 10.3	22.4 1.8 5.8	21.0 1.4 3.5

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	13.3 0.9 4.6	11.9 0.6 2.1	10.6 0.4 1.1	9.4 0.3 0.6	12.4 0.8 4.0	11.0 0.6 1.8	9.7 0.4 0.9	8.5 0.3 0.5	11.5 0.8 3.4	10.1 0.5 1.5
180	Heat kBTU GPM dp FT	17.0 1.1 7.5	15.6 0.8 3.5	14.2 0.6 1.9	12.9 0.4 1.1	16.1 1.1 6.7	14.7 0.7 3.1	13.3 0.5 1.7	12.0 0.4 0.9	15.1 1.0 5.9	13.8 0.7 2.8	12.4 0.5 1.4	11.1 0.4 0.8

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