

Fan Coil Performance Data

The Whalen Company

Model WFD-600

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	22.0 14.8 4.4 9.5	20.2 14.0 3.4 5.5	18.3 13.1 2.6 3.4	16.6 12.4 2.1 2.1	24.7 16.2 4.9 11.9	22.9 15.3 3.8 7.1	21.1 14.5 3.0 4.4	19.3 13.7 2.4 2.8	28.1 17.2 5.6 15.4	26.2 16.4 4.4 9.3
43	Cool kBTU Sens. kBTU GPM dp FT	20.3 14.1 4.1 8.1	18.5 13.2 3.1 4.7	16.7 12.4 2.4 2.8	15.0 11.7 1.9 1.7	23.1 15.4 4.6 10.4	21.3 14.6 3.5 6.1	19.5 13.8 2.8 3.8	17.7 13.1 2.2 2.4	26.3 16.4 5.3 13.6	24.5 15.6 4.1 8.1	22.7 14.8 3.2 5.1	20.9 14.1 2.6 3.3
44	Cool kBTU Sens. kBTU GPM dp FT	18.7 13.3 3.7 6.9	16.9 12.5 2.8 3.9	15.2 11.8 2.2 2.3	13.5 11.1 1.7 1.4	21.4 14.7 4.3 9.0	19.7 13.9 3.3 5.2	17.9 13.1 2.6 3.2	16.2 12.4 2.0 2.0	24.6 15.7 4.9 11.9	22.8 14.9 3.8 7.1	21.0 14.1 3.0 4.4	19.3 13.4 2.4 2.8
45	Cool kBTU Sens. kBTU GPM dp FT	17.2 12.6 3.4 5.8	15.4 11.9 2.6 3.2	13.7 11.2 2.0 1.9	12.0 10.5 1.5 1.1	19.9 14.0 4.0 7.7	18.1 13.2 3.0 4.4	16.4 12.5 2.3 2.7	14.7 11.8 1.8 1.6	23.0 15.0 4.6 10.3	21.2 14.2 3.5 6.1	19.4 13.5 2.8 3.8	17.7 12.8 2.2 2.4
46	Cool kBTU Sens. kBTU GPM dp FT	15.6 12.0 3.1 4.8	13.9 11.2 2.3 2.6	12.2 10.6 1.7 1.5	10.6 9.9 1.3 0.9	18.3 13.3 3.7 6.6	16.6 12.6 2.8 3.7	14.9 11.9 2.1 2.2	13.2 11.3 1.7 1.3	21.4 14.3 4.3 8.9	19.6 13.5 3.3 5.2	17.9 12.8 2.6 3.2	16.2 12.2 2.0 2.0
47	Cool kBTU Sens. kBTU GPM dp FT	14.1 11.3 2.8 3.9	12.4 10.6 2.1 2.1	10.8 10.0 1.5 1.2	9.2 9.2 1.2 0.7	16.8 12.7 3.4 5.5	15.1 12.0 2.5 3.1	13.4 11.3 1.9 1.8	11.8 10.7 1.5 1.1	19.8 13.6 4.0 7.7	18.1 12.9 3.0 4.4	16.4 12.2 2.3 2.7	14.7 11.6 1.8 1.7
48	Cool kBTU Sens. kBTU GPM dp FT	12.7 10.8 2.5 3.2	11.0 10.1 1.8 1.7	9.4 9.4 1.3 0.9	8.0 8.0 1.0 0.5	15.3 12.1 3.1 4.6	13.7 11.4 2.3 2.5	12.0 10.8 1.7 1.4	10.5 10.2 1.3 0.8	18.3 13.0 3.7 6.5	16.6 12.3 2.8 3.7	14.9 11.7 2.1 2.2	13.3 11.1 1.7 1.3

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	27.3 3.6 6.5	25.2 2.5 3.1	23.0 1.8 1.7	21.0 1.4 1.0	24.2 3.2 5.1	22.1 2.2 2.4	20.0 1.6 1.2	18.0 1.2 0.7	21.2 2.8 3.9	19.0 1.9 1.8
130	Heat kBTU GPM dp FT	33.5 4.5 9.8	31.3 3.1 4.8	29.1 2.3 2.7	27.0 1.8 1.6	30.4 4.1 8.0	28.2 2.8 3.9	26.1 2.1 2.1	24.0 1.6 1.2	27.3 3.6 6.5	25.2 2.5 3.1	23.0 1.8 1.7	21.0 1.4 1.0
140	Heat kBTU GPM dp FT	39.7 5.3 13.7	37.5 3.7 6.9	35.3 2.8 3.9	33.1 2.2 2.4	36.6 4.9 11.6	34.4 3.4 5.8	32.2 2.6 3.2	30.1 2.0 2.0	33.5 4.5 9.8	31.3 3.1 4.8	29.1 2.3 2.7	27.0 1.8 1.6
150	Heat kBTU GPM dp FT	45.9 6.1 18.3	43.6 4.4 9.3	41.4 3.3 5.4	39.3 2.6 3.3	42.8 5.7 15.9	40.6 4.1 8.0	38.4 3.1 4.6	36.2 2.4 2.8	39.7 5.3 13.7	37.5 3.7 6.9	35.3 2.8 3.9	33.1 2.2 2.4

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	20.2 1.3 10.9	18.3 0.9 5.0	16.5 0.7 2.6	14.7 0.5 1.4	18.9 1.3 9.5	17.0 0.8 4.3	15.2 0.6 2.2	13.4 0.4 1.2	17.5 1.2 8.2	15.6 0.8 3.7
180	Heat kBTU GPM dp FT	25.7 1.7 17.6	23.8 1.2 8.5	21.9 0.9 4.6	20.1 0.7 2.7	24.3 1.6 15.7	22.4 1.1 7.5	20.6 0.8 4.1	18.7 0.6 2.3	22.9 1.5 14.0	21.1 1.1 6.7	19.2 0.8 3.5	17.4 0.6 2.0

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