

Fan Coil Performance Data

The Whalen Company

Model WFD-800

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	26.3 19.0 5.3 13.1	23.8 17.9 4.0 7.5	21.5 16.9 3.1 4.5	19.2 16.0 2.4 2.7	29.6 20.7 5.9 16.7	27.2 19.6 4.5 9.8	24.8 18.6 3.5 6.0	22.5 17.7 2.8 3.8	33.7 21.9 6.7 21.6	31.3 20.8 5.2 12.9
43	Cool kBTU Sens. kBTU GPM dp FT	24.2 18.1 4.8 11.2	21.8 17.1 3.6 6.3	19.5 16.1 2.8 3.7	17.3 15.2 2.2 2.2	27.6 19.8 5.5 14.4	25.2 18.8 4.2 8.4	22.8 17.8 3.3 5.1	20.6 16.9 2.6 3.1	31.6 21.0 6.3 19.0	29.2 20.0 4.9 11.2	26.8 19.0 3.8 7.0	24.5 18.1 3.1 4.4
44	Cool kBTU Sens. kBTU GPM dp FT	22.2 17.2 4.4 9.4	19.9 16.2 3.3 5.2	17.6 15.3 2.5 3.0	15.4 14.5 1.9 1.8	25.6 18.9 5.1 12.4	23.2 18.0 3.9 7.1	20.9 17.1 3.0 4.2	18.7 16.2 2.3 2.6	29.5 20.1 5.9 16.6	27.1 19.1 4.5 9.7	24.8 18.2 3.5 6.0	22.5 17.3 2.8 3.8
45	Cool kBTU Sens. kBTU GPM dp FT	20.3 16.4 4.1 7.8	18.0 15.5 3.0 4.3	15.8 14.6 2.3 2.4	13.7 13.7 1.7 1.4	23.6 18.1 4.7 10.6	21.3 17.2 3.6 6.0	19.1 16.3 2.7 3.5	16.9 15.5 2.1 2.1	27.5 19.3 5.5 14.4	25.1 18.3 4.2 8.3	22.8 17.4 3.3 5.0	20.6 16.6 2.6 3.1
46	Cool kBTU Sens. kBTU GPM dp FT	18.4 15.6 3.7 6.4	16.2 14.8 2.7 3.5	14.0 13.9 2.0 1.9	12.0 12.0 1.5 1.1	21.7 17.4 4.3 9.0	19.4 16.5 3.2 5.0	17.3 15.6 2.5 2.9	15.2 14.9 1.9 1.7	25.5 18.5 5.1 12.4	23.2 17.6 3.9 7.1	20.9 16.7 3.0 4.2	18.7 15.9 2.3 2.6
47	Cool kBTU Sens. kBTU GPM dp FT	16.6 14.9 3.3 5.2	14.4 14.1 2.4 2.7	12.3 12.3 1.8 1.5	10.4 10.4 1.3 0.8	19.9 16.7 4.0 7.5	17.6 15.8 2.9 4.1	15.5 15.0 2.2 2.3	13.5 13.5 1.7 1.4	23.6 17.7 4.7 10.6	21.3 16.9 3.5 6.0	19.1 16.0 2.7 3.5	16.9 15.3 2.1 2.1
48	Cool kBTU Sens. kBTU GPM dp FT	14.8 14.2 3.0 4.2	12.7 12.7 2.1 2.1	10.7 10.7 1.5 1.1	8.9 8.9 1.1 0.6	18.1 16.0 3.6 6.2	15.9 15.1 2.7 3.3	13.8 13.8 2.0 1.9	11.9 11.9 1.5 1.0	21.7 17.0 4.3 9.0	19.5 16.2 3.2 5.0	17.3 15.4 2.5 2.9	15.2 14.6 1.9 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	35.6 4.7 10.7	32.6 3.3 5.0	29.6 2.4 2.7	26.8 1.8 1.5	31.5 4.2 8.4	28.5 2.9 3.9	25.6 2.0 2.0	22.9 1.5 1.1	27.5 3.7 6.4	24.5 2.4 2.8
130	Heat kBTU GPM dp FT	43.8 5.8 16.2	40.7 4.1 7.9	37.7 3.0 4.3	34.7 2.3 2.5	39.7 5.3 13.3	36.6 3.7 6.4	33.6 2.7 3.4	30.7 2.0 2.0	35.6 4.7 10.7	32.6 3.3 5.0	29.6 2.4 2.7	26.8 1.8 1.5
140	Heat kBTU GPM dp FT	51.9 6.9 22.8	48.8 4.9 11.3	45.8 3.7 6.4	42.8 2.9 3.9	47.9 6.4 19.3	44.8 4.5 9.5	41.7 3.3 5.3	38.7 2.6 3.2	43.8 5.8 16.2	40.7 4.1 7.9	37.7 3.0 4.3	34.7 2.3 2.5
150	Heat kBTU GPM dp FT	60.1 8.0 30.5	57.0 5.7 15.4	53.9 4.3 8.8	50.9 3.4 5.5	56.0 7.5 26.5	52.9 5.3 13.3	49.8 4.0 7.6	46.8 3.1 4.6	52.0 6.9 22.8	48.8 4.9 11.3	45.8 3.7 6.4	42.8 2.9 3.9

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	25.7 1.7 22.3	23.4 1.2 10.4	21.2 0.8 5.4	18.9 0.6 3.0	24.0 1.6 19.4	21.7 1.1 8.9	19.5 0.8 4.6	17.2 0.6 2.5	22.3 1.5 16.7	20.0 1.0 7.6
180	Heat kBTU GPM dp FT	32.5 2.2 35.8	30.3 1.5 17.4	28.0 1.1 9.5	25.7 0.9 5.6	30.8 2.1 32.1	28.5 1.4 15.5	26.3 1.1 8.4	24.0 0.8 4.9	29.1 1.9 28.6	26.8 1.3 13.7	24.6 1.0 7.3	22.3 0.7 4.2