

Fan Coil Performance Data

The Whalen Company

Model WFD-1200

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	46.9 33.0 9.4 16.1	43.1 31.3 7.2 9.4	39.3 29.7 5.6 5.8	35.6 28.1 4.4 3.6	52.6 35.9 10.5 20.3	48.8 34.2 8.1 12.1	45.1 32.6 6.4 7.6	41.4 31.1 5.2 4.9	59.7 38.0 11.9 26.1	55.8 36.3 9.3 15.8
43	Cool kBTU Sens. kBTU GPM dp FT	43.4 31.5 8.7 13.8	39.6 29.8 6.6 8.0	35.9 28.2 5.1 4.8	32.3 26.7 4.0 3.0	49.1 34.4 9.8 17.6	45.4 32.8 7.6 10.5	41.7 31.2 6.0 6.5	38.0 29.7 4.8 4.1	56.0 36.4 11.2 23.0	52.2 34.8 8.7 13.9	48.5 33.2 6.9 8.8	44.7 31.7 5.6 5.7
44	Cool kBTU Sens. kBTU GPM dp FT	40.0 30.0 8.0 11.7	36.2 28.4 6.0 6.7	32.6 26.9 4.7 4.0	29.1 25.4 3.6 2.4	45.7 32.9 9.1 15.3	42.0 31.3 7.0 9.0	38.3 29.8 5.5 5.5	34.8 28.4 4.3 3.5	52.5 34.9 10.5 20.1	48.7 33.3 8.1 12.1	45.0 31.8 6.4 7.6	41.3 30.4 5.2 4.9
45	Cool kBTU Sens. kBTU GPM dp FT	36.6 28.5 7.3 9.8	33.0 27.0 5.5 5.5	29.4 25.6 4.2 3.2	26.0 24.2 3.2 1.9	42.3 31.5 8.5 13.1	38.7 30.0 6.4 7.6	35.1 28.6 5.0 4.6	31.6 27.2 4.0 2.9	49.0 33.5 9.8 17.6	45.3 31.9 7.5 10.4	41.6 30.5 5.9 6.5	38.0 29.1 4.8 4.1
46	Cool kBTU Sens. kBTU GPM dp FT	33.4 27.2 6.7 8.2	29.8 25.7 5.0 4.5	26.3 24.4 3.8 2.6	23.0 23.0 2.9 1.5	39.1 30.1 7.8 11.2	35.5 28.7 5.9 6.4	32.0 27.3 4.6 3.8	28.6 26.0 3.6 2.3	45.6 32.1 9.1 15.2	41.9 30.6 7.0 8.9	38.3 29.2 5.5 5.5	34.8 27.9 4.4 3.5
47	Cool kBTU Sens. kBTU GPM dp FT	30.2 25.9 6.0 6.7	26.7 24.5 4.5 3.6	23.3 23.2 3.3 2.0	20.1 20.1 2.5 1.2	35.9 28.9 7.2 9.4	32.4 27.5 5.4 5.3	28.9 26.2 4.1 3.1	25.6 24.9 3.2 1.9	42.3 30.7 8.5 13.1	38.7 29.3 6.4 7.6	35.1 28.0 5.0 4.6	31.7 26.7 4.0 2.9
48	Cool kBTU Sens. kBTU GPM dp FT	27.2 24.7 5.4 5.4	23.7 23.4 4.0 2.9	20.5 20.5 2.9 1.6	17.4 17.4 2.2 0.9	32.8 27.6 6.6 7.9	29.3 26.3 4.9 4.4	26.0 25.0 3.7 2.5	22.7 22.7 2.8 1.5	39.0 29.5 7.8 11.2	35.5 28.1 5.9 6.4	32.0 26.8 4.6 3.8	28.6 25.6 3.6 2.3

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	56.9 7.6 10.5	52.5 5.2 5.0	48.2 3.9 2.7	44.0 2.9 1.6	50.5 6.7 8.3	46.1 4.6 3.9	41.9 3.4 2.1	37.8 2.5 1.2	44.1 5.9 6.3	39.8 4.0 2.9
130	Heat kBTU GPM dp FT	69.6 9.3 15.8	65.2 6.5 7.8	60.8 4.9 4.3	56.5 3.8 2.6	63.2 8.4 13.0	58.8 5.9 6.3	54.5 4.4 3.5	50.2 3.3 2.1	56.9 7.6 10.5	52.5 5.2 5.0	48.2 3.9 2.7	44.0 2.9 1.6
140	Heat kBTU GPM dp FT	82.4 11.0 22.1	77.9 7.8 11.1	73.5 5.9 6.3	69.2 4.6 3.9	76.0 10.1 18.8	71.6 7.2 9.4	67.1 5.4 5.3	62.8 4.2 3.2	69.6 9.3 15.8	65.2 6.5 7.8	60.8 4.9 4.3	56.5 3.8 2.6
150	Heat kBTU GPM dp FT	95.2 12.7 29.5	90.7 9.1 15.1	86.3 6.9 8.7	81.9 5.5 5.4	88.8 11.8 25.7	84.3 8.4 13.0	79.9 6.4 7.5	75.5 5.0 4.6	82.4 11.0 22.1	77.9 7.8 11.1	73.5 5.9 6.3	69.2 4.6 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	42.5 2.8 24.9	39.3 2.0 12.0	36.1 1.4 6.5	32.9 1.1 3.7	39.8 2.7 21.8	36.6 1.8 10.4	33.3 1.3 5.5	30.1 1.0 3.1	37.0 2.5 18.9	33.8 1.7 8.9
180	Heat kBTU GPM dp FT	53.5 3.6 39.5	50.3 2.5 19.6	47.1 1.9 11.0	43.8 1.5 6.6	50.8 3.4 35.5	47.5 2.4 17.5	44.3 1.8 9.7	41.1 1.4 5.8	48.0 3.2 31.8	44.8 2.2 15.6	41.6 1.7 8.6	38.4 1.3 5.1

Last Updated 9/05