

# Fan Coil Performance Data

The Whalen Company

## Model WFC-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	39.8 29.0 8.0 12.5	36.4 27.5 6.1 7.3	33.0 26.1 4.7 4.4	29.7 24.8 3.7 2.7	44.7 31.6 8.9 15.9	41.3 30.1 6.9 9.4	38.0 28.7 5.4 5.8	34.7 27.4 4.3 3.7	50.8 33.3 10.2 20.5	47.4 31.9 7.9 12.3
43	Cool kBTU Sens. kBTU GPM dp FT	36.8 27.7 7.4 10.7	33.4 26.3 5.6 6.1	30.1 24.9 4.3 3.7	26.9 23.6 3.4 2.2	41.7 30.3 8.3 13.8	38.3 28.9 6.4 8.1	35.0 27.5 5.0 5.0	31.8 26.3 4.0 3.1	47.7 32.0 9.5 18.0	44.3 30.6 7.4 10.8	40.9 29.2 5.8 6.8	37.6 27.9 4.7 4.4
44	Cool kBTU Sens. kBTU GPM dp FT	33.8 26.5 6.8 9.1	30.5 25.1 5.1 5.1	27.3 23.8 3.9 3.0	24.2 22.6 3.0 1.8	38.7 29.0 7.7 11.9	35.4 27.7 5.9 6.9	32.2 26.4 4.6 4.2	29.1 25.2 3.6 2.6	44.6 30.7 8.9 15.8	41.2 29.4 6.9 9.4	37.9 28.1 5.4 5.8	34.7 26.8 4.3 3.7
45	Cool kBTU Sens. kBTU GPM dp FT	30.9 25.3 6.2 7.6	27.7 23.9 4.6 4.2	24.5 22.7 3.5 2.4	21.6 21.5 2.7 1.4	35.9 27.9 7.2 10.2	32.6 26.6 5.4 5.8	29.4 25.3 4.2 3.5	26.4 24.1 3.3 2.2	41.6 29.5 8.3 13.7	38.3 28.2 6.4 8.1	35.0 26.9 5.0 5.0	31.8 25.7 4.0 3.1
46	Cool kBTU Sens. kBTU GPM dp FT	28.2 24.1 5.6 6.3	25.0 22.9 4.2 3.4	21.9 21.7 3.1 1.9	19.0 19.0 2.4 1.1	33.0 26.7 6.6 8.7	29.8 25.5 5.0 4.9	26.7 24.3 3.8 2.9	23.8 23.2 3.0 1.7	38.7 28.4 7.7 11.9	35.4 27.1 5.9 6.9	32.2 25.9 4.6 4.2	29.1 24.7 3.6 2.6
47	Cool kBTU Sens. kBTU GPM dp FT	25.4 23.1 5.1 5.1	22.3 21.8 3.7 2.7	19.4 19.4 2.8 1.5	16.7 16.7 2.1 0.9	30.3 25.7 6.1 7.3	27.2 24.4 4.5 4.1	24.1 23.3 3.4 2.4	21.2 21.2 2.7 1.4	35.8 27.2 7.2 10.2	32.6 26.0 5.4 5.8	29.4 24.9 4.2 3.5	26.4 23.8 3.3 2.2
48	Cool kBTU Sens. kBTU GPM dp FT	22.8 22.0 4.6 4.1	19.8 19.8 3.3 2.2	17.0 17.0 2.4 1.2	14.4 14.4 1.8 0.6	27.6 24.6 5.5 6.1	24.6 23.5 4.1 3.3	21.6 21.6 3.1 1.9	18.9 18.9 2.4 1.1	33.0 26.2 6.6 8.6	29.9 25.0 5.0 4.9	26.8 23.9 3.8 2.9	23.8 22.8 3.0 1.8

### 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	51.8 6.9 9.4	47.5 4.8 4.5	43.4 3.5 2.4	39.5 2.6 1.4	45.9 6.1 7.4	41.7 4.2 3.4	37.7 3.0 1.8	33.9 2.3 1.0	40.0 5.3 5.6	35.9 3.6 2.6
130	Heat kBTU GPM dp FT	63.6 8.5 14.2	59.2 5.9 7.0	55.0 4.4 3.8	50.9 3.4 2.3	57.7 7.7 11.7	53.4 5.3 5.6	49.2 3.9 3.1	45.2 3.0 1.8	51.8 6.9 9.4	47.5 4.8 4.5	43.4 3.5 2.4	39.5 2.6 1.4
140	Heat kBTU GPM dp FT	75.4 10.1 20.0	71.0 7.1 10.0	66.7 5.3 5.6	62.5 4.2 3.4	69.5 9.3 17.0	65.1 6.5 8.4	60.9 4.9 4.7	56.7 3.8 2.8	63.6 8.5 14.2	59.3 5.9 7.0	55.0 4.4 3.8	50.9 3.4 2.3
150	Heat kBTU GPM dp FT	87.2 11.6 26.8	82.8 8.3 13.6	78.5 6.3 7.8	74.2 4.9 4.9	81.3 10.8 23.3	76.9 7.7 11.7	72.6 5.8 6.7	68.4 4.6 4.1	75.4 10.1 20.0	71.0 7.1 10.0	66.7 5.3 5.6	62.5 4.2 3.4

### 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	43.0 2.9 25.4	39.7 2.0 12.2	36.4 1.5 6.6	33.2 1.1 3.8	40.2 2.7 22.3	36.9 1.8 10.6	33.7 1.3 5.6	30.4 1.0 3.2	37.4 2.5 19.3	34.1 1.7 9.0
180	Heat kBTU GPM dp FT	54.1 3.6 40.3	50.8 2.5 20.0	47.5 1.9 11.2	44.3 1.5 6.8	51.3 3.4 36.3	48.0 2.4 17.9	44.8 1.8 9.9	41.5 1.4 5.9	48.5 3.2 32.4	45.2 2.3 15.9	42.0 1.7 8.7	38.7 1.3 5.2