

Fan Coil Performance Data

The Whalen Company

Model WFD-300

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	11.0	10.1	9.2	8.4	12.4	11.5	10.6	9.7	14.0	13.1	12.2	11.3
	Sens. kBTU	7.6	7.2	6.8	6.5	8.3	7.9	7.5	7.2	8.8	8.4	8.0	7.6
	GPM	2.2	1.7	1.3	1.0	2.5	1.9	1.5	1.2	2.8	2.2	1.7	1.4
	dp FT	13.6	8.0	4.9	3.1	17.2	10.3	6.4	4.2	22.1	13.4	8.6	5.6
43	Cool kBTU	10.2	9.3	8.4	7.6	11.5	10.7	9.8	8.9	13.1	12.3	11.4	10.5
	Sens. kBTU	7.3	6.9	6.5	6.1	7.9	7.5	7.2	6.8	8.4	8.0	7.7	7.3
	GPM	2.0	1.5	1.2	0.9	2.3	1.8	1.4	1.1	2.6	2.0	1.6	1.3
	dp FT	11.7	6.8	4.1	2.5	15.0	8.9	5.5	3.5	19.5	11.8	7.4	4.9
44	Cool kBTU	9.4	8.5	7.7	6.8	10.7	9.9	9.0	8.2	12.3	11.4	10.6	9.7
	Sens. kBTU	6.9	6.5	6.2	5.8	7.6	7.2	6.9	6.5	8.1	7.7	7.3	7.0
	GPM	1.9	1.4	1.1	0.9	2.1	1.6	1.3	1.0	2.5	1.9	1.5	1.2
	dp FT	9.9	5.7	3.4	2.1	12.9	7.6	4.7	2.9	17.1	10.2	6.4	4.2
45	Cool kBTU	8.6	7.8	6.9	6.1	9.9	9.1	8.3	7.4	11.5	10.6	9.8	8.9
	Sens. kBTU	6.6	6.2	5.9	5.5	7.2	6.9	6.6	6.2	7.7	7.4	7.0	6.7
	GPM	1.7	1.3	1.0	0.8	2.0	1.5	1.2	0.9	2.3	1.8	1.4	1.1
	dp FT	8.3	4.7	2.8	1.6	11.1	6.5	3.9	2.4	14.9	8.8	5.5	3.5
46	Cool kBTU	7.8	7.0	6.2	5.4	9.2	8.3	7.5	6.7	10.7	9.8	9.0	8.2
	Sens. kBTU	6.2	5.9	5.6	5.3	6.9	6.6	6.3	6.0	7.4	7.0	6.7	6.4
	GPM	1.6	1.2	0.9	0.7	1.8	1.4	1.1	0.8	2.1	1.6	1.3	1.0
	dp FT	6.9	3.8	2.2	1.3	9.5	5.4	3.3	2.0	12.9	7.6	4.7	3.0
47	Cool kBTU	7.1	6.3	5.5	4.7	8.4	7.6	6.8	6.0	9.9	9.1	8.3	7.5
	Sens. kBTU	5.9	5.6	5.3	4.7	6.6	6.3	6.0	5.7	7.1	6.7	6.4	6.1
	GPM	1.4	1.0	0.8	0.6	1.7	1.3	1.0	0.8	2.0	1.5	1.2	0.9
	dp FT	5.7	3.1	1.7	1.0	8.0	4.5	2.7	1.6	11.1	6.5	3.9	2.4
48	Cool kBTU	6.4	5.6	4.8	4.1	7.7	6.9	6.1	5.4	9.2	8.3	7.5	6.7
	Sens. kBTU	5.7	5.3	4.8	4.1	6.3	6.0	5.7	5.4	6.8	6.5	6.1	5.9
	GPM	1.3	0.9	0.7	0.5	1.5	1.2	0.9	0.7	1.8	1.4	1.1	0.8
	dp FT	4.6	2.4	1.3	0.7	6.7	3.7	2.1	1.3	9.5	5.4	3.3	2.0

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	14.5	13.4	12.3	11.3	12.9	11.8	10.7	9.7	11.3	10.2	9.1	8.1
	GPM	1.9	1.3	1.0	0.8	1.7	1.2	0.9	0.6	1.5	1.0	0.7	0.5
	dp FT	10.5	5.1	2.7	1.6	8.3	3.9	2.1	1.2	6.4	2.9	1.5	0.8
130	Heat kBTU	17.8	16.6	15.5	14.5	16.1	15.0	13.9	12.9	14.5	13.4	12.3	11.3
	GPM	2.4	1.7	1.2	1.0	2.2	1.5	1.1	0.9	1.9	1.3	1.0	0.8
	dp FT	15.8	7.8	4.4	2.6	13.0	6.4	3.5	2.1	10.5	5.1	2.7	1.6
140	Heat kBTU	21.0	19.9	18.8	17.7	19.4	18.3	17.2	16.1	17.8	16.6	15.6	14.5
	GPM	2.8	2.0	1.5	1.2	2.6	1.8	1.4	1.1	2.4	1.7	1.2	1.0
	dp FT	22.1	11.1	6.4	3.9	18.8	9.4	5.3	3.2	15.8	7.8	4.4	2.6
150	Heat kBTU	24.3	23.1	22.0	20.9	22.6	21.5	20.4	19.3	21.0	19.9	18.8	17.7
	GPM	3.2	2.3	1.8	1.4	3.0	2.2	1.6	1.3	2.8	2.0	1.5	1.2
	dp FT	29.5	15.1	8.7	5.5	25.7	13.0	7.5	4.7	22.1	11.1	6.4	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	11.1	9.9	8.7	7.7	10.3	9.1	8.0	7.0	9.5	8.4	7.3	6.3
	GPM	0.7	0.5	0.3	0.3	0.7	0.5	0.3	0.2	0.6	0.4	0.3	0.2
	dp FT	2.0	0.9	0.5	0.2	1.8	0.8	0.4	0.2	1.5	0.7	0.3	0.2
180	Heat kBTU	14.1	12.9	11.8	10.6	13.4	12.2	11.0	9.9	12.6	11.4	10.2	9.2
	GPM	0.9	0.6	0.5	0.4	0.9	0.6	0.4	0.3	0.8	0.6	0.4	0.3
	dp FT	3.3	1.6	0.8	0.5	3.0	1.4	0.7	0.4	2.6	1.2	0.6	0.3

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