

Fan Coil Performance Data

The Whalen Company

Model WFC-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	8.9	8.0	7.2	6.4	10.0	9.2	8.3	7.5	11.5	10.6	9.7	8.8
	Sens. kBTU	6.7	6.3	5.9	5.6	7.3	6.9	6.5	6.2	7.7	7.3	7.0	6.6
	GPM	1.8	1.3	1.0	0.8	2.0	1.5	1.2	0.9	2.3	1.8	1.4	1.1
	dp FT	4.2	2.3	1.4	0.8	5.3	3.1	1.9	1.2	6.9	4.1	2.5	1.6
43	Cool kBTU	8.2	7.3	6.5	5.7	9.3	8.5	7.6	6.8	10.7	9.8	9.0	8.1
	Sens. kBTU	6.4	6.0	5.7	5.4	7.0	6.6	6.3	6.0	7.4	7.0	6.7	6.4
	GPM	1.6	1.2	0.9	0.7	1.9	1.4	1.1	0.9	2.1	1.6	1.3	1.0
	dp FT	3.5	2.0	1.1	0.7	4.6	2.6	1.6	1.0	6.1	3.6	2.2	1.4
44	Cool kBTU	7.5	6.6	5.9	5.1	8.6	7.8	7.0	6.2	10.0	9.1	8.3	7.5
	Sens. kBTU	6.1	5.7	5.4	5.1	6.7	6.3	6.0	5.7	7.1	6.7	6.4	6.1
	GPM	1.5	1.1	0.8	0.6	1.7	1.3	1.0	0.8	2.0	1.5	1.2	0.9
	dp FT	3.0	1.6	0.9	0.5	3.9	2.2	1.3	0.8	5.3	3.1	1.9	1.2
45	Cool kBTU	6.8	6.0	5.2	4.6	8.0	7.1	6.3	5.6	9.3	8.4	7.6	6.8
	Sens. kBTU	5.8	5.5	5.2	4.6	6.4	6.1	5.8	5.5	6.8	6.5	6.2	5.9
	GPM	1.4	1.0	0.8	0.6	1.6	1.2	0.9	0.7	1.9	1.4	1.1	0.9
	dp FT	2.5	1.3	0.7	0.4	3.3	1.9	1.1	0.7	4.6	2.6	1.6	1.0
46	Cool kBTU	6.2	5.4	4.7	4.0	7.3	6.5	5.7	5.0	8.6	7.8	7.0	6.2
	Sens. kBTU	5.5	5.2	4.7	4.0	6.2	5.8	5.6	5.0	6.5	6.2	5.9	5.6
	GPM	1.2	0.9	0.7	0.5	1.5	1.1	0.8	0.6	1.7	1.3	1.0	0.8
	dp FT	2.0	1.1	0.6	0.3	2.8	1.5	0.9	0.5	3.9	2.2	1.3	0.8
47	Cool kBTU	5.5	4.8	4.1	3.5	6.7	5.9	5.2	4.5	7.9	7.1	6.3	5.6
	Sens. kBTU	5.3	4.8	4.1	3.5	5.9	5.6	5.2	4.5	6.3	6.0	5.7	5.4
	GPM	1.1	0.8	0.6	0.4	1.3	1.0	0.7	0.6	1.6	1.2	0.9	0.7
	dp FT	1.6	0.8	0.5	0.3	2.3	1.3	0.7	0.4	3.3	1.9	1.1	0.7
48	Cool kBTU	4.9	4.2	3.6	3.1	6.0	5.3	4.6	4.0	7.3	6.5	5.7	5.1
	Sens. kBTU	4.9	4.2	3.6	3.1	5.7	5.3	4.6	4.0	6.0	5.7	5.5	5.1
	GPM	1.0	0.7	0.5	0.4	1.2	0.9	0.7	0.5	1.5	1.1	0.8	0.6
	dp FT	1.3	0.7	0.4	0.2	1.9	1.0	0.6	0.3	2.8	1.5	0.9	0.5

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	14.1	12.9	11.7	10.6	12.5	11.3	10.1	9.1	10.9	9.7	8.6	7.6
	GPM	1.9	1.3	0.9	0.7	1.7	1.1	0.8	0.6	1.4	1.0	0.7	0.5
	dp FT	4.7	2.2	1.2	0.7	3.7	1.7	0.9	0.5	2.8	1.2	0.6	0.3
130	Heat kBTU	17.4	16.1	14.9	13.7	15.7	14.5	13.3	12.2	14.1	12.9	11.7	10.6
	GPM	2.3	1.6	1.2	0.9	2.1	1.4	1.1	0.8	1.9	1.3	0.9	0.7
	dp FT	7.1	3.4	1.9	1.1	5.8	2.8	1.5	0.9	4.7	2.2	1.2	0.7
140	Heat kBTU	20.6	19.4	18.1	16.9	19.0	17.7	16.5	15.3	17.4	16.1	14.9	13.7
	GPM	2.8	1.9	1.4	1.1	2.5	1.8	1.3	1.0	2.3	1.6	1.2	0.9
	dp FT	10.0	5.0	2.8	1.7	8.5	4.2	2.3	1.4	7.1	3.4	1.9	1.1
150	Heat kBTU	23.9	22.6	21.4	20.1	22.3	21.0	19.7	18.5	20.6	19.4	18.1	16.9
	GPM	3.2	2.3	1.7	1.3	3.0	2.1	1.6	1.2	2.8	1.9	1.4	1.1
	dp FT	13.4	6.8	3.9	2.4	11.7	5.8	3.3	2.0	10.0	5.0	2.8	1.7

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	11.3	10.1	8.9	7.8	10.5	9.3	8.1	7.1	9.7	8.5	7.4	6.4
	GPM	0.8	0.5	0.4	0.3	0.7	0.5	0.3	0.2	0.6	0.4	0.3	0.2
	dp FT	2.1	0.9	0.5	0.3	1.8	0.8	0.4	0.2	1.6	0.7	0.3	0.2
180	Heat kBTU	14.4	13.2	12.0	10.8	13.6	12.4	11.2	10.1	12.8	11.6	10.4	9.3
	GPM	1.0	0.7	0.5	0.4	0.9	0.6	0.4	0.3	0.9	0.6	0.4	0.3
	dp FT	3.5	1.6	0.9	0.5	3.1	1.4	0.8	0.4	2.7	1.3	0.7	0.4