

ZOO Fans Destratification Fan

Test Result Data for Model: H65-EC Premium Efficiency

Description

Test results for H65-EC Premium Efficiency Fan with the 208V - 277V EC fan with guard grill on suction side and an air guide (stator ring) installed. This fan was tested with a 0-10VDC BMS control signal.

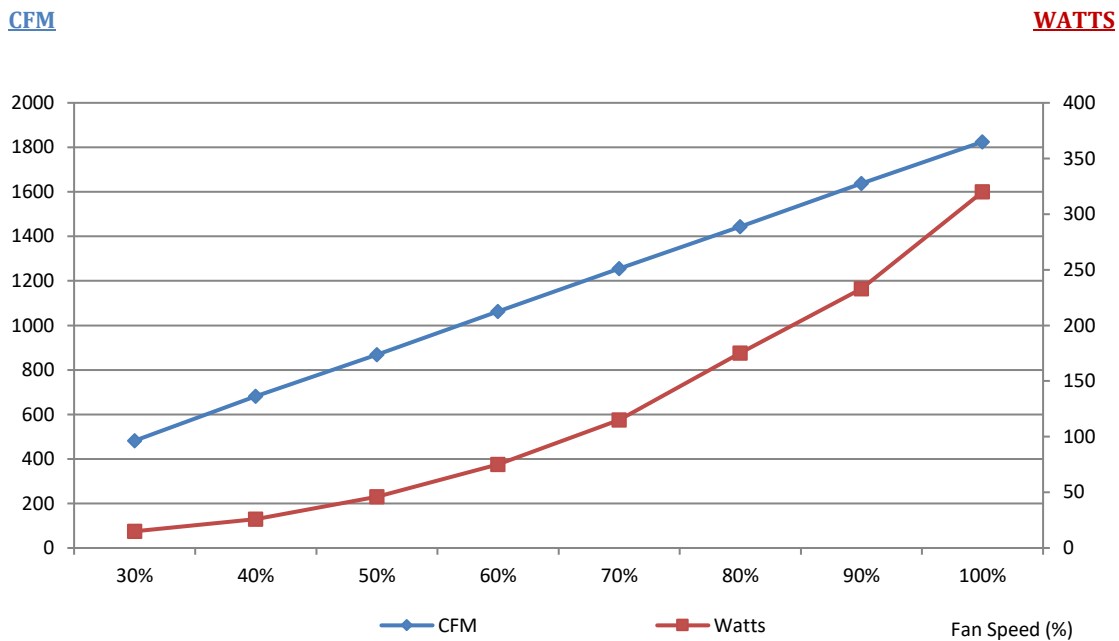
Testing Method

Test results were measured in accordance to DIN 24163, EN ISO 3745.

Fan

- H65 Premium Efficiency
- 208V – 277V 60Hz 320 watts 1.55A
- 2756 RPM
- Air Guide
- Finger Guard Grill on suction side

Air Flow Measurements



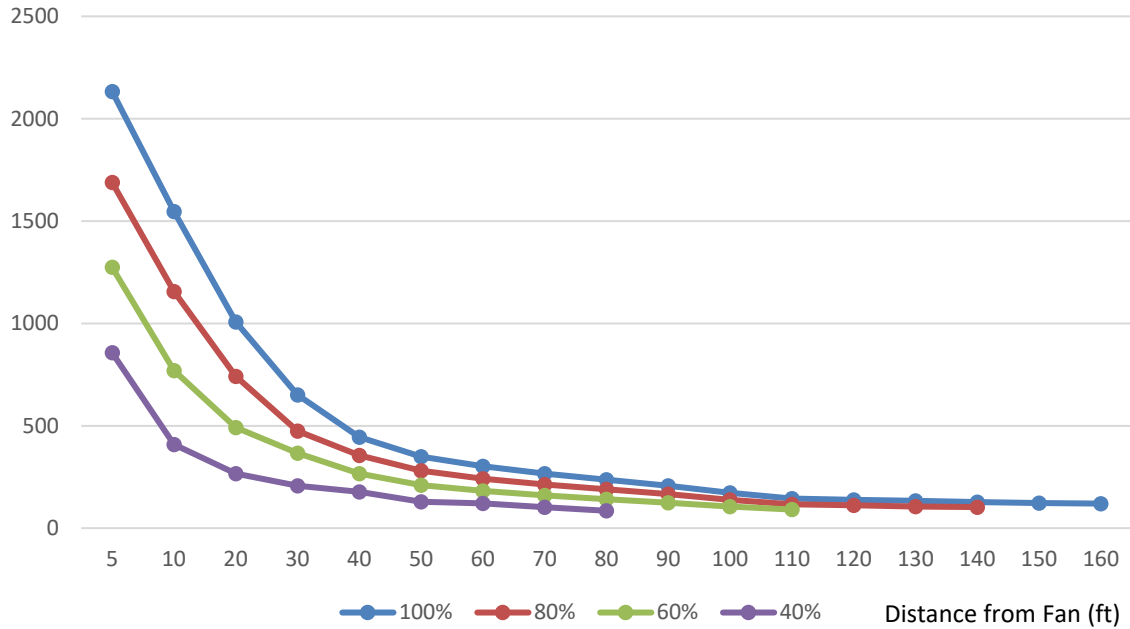
Data Table

Fan Speed	Control Signal (V)	CFM	RPM	Watts	Amps
100%	10	1825	2756	320	0.79
90%	9	1638	2473	233	0.62
80%	8	1444	2181	175	0.48
70%	7	1255	1895	115	0.38
60%	6	1063	1605	75	0.28
50%	5	868	1310	46	0.19
40%	4	682	1030	26	0.12

30%	3	482	728	15	0.07
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Throwing Range Measurements

Feet per Minute



Data Table

100% Fan Speed

Distance from fan (ft)	Air Speed (ft/min)
5	2133
10	1547
20	1008
30	651
40	444
50	350
60	302
70	266
80	237
90	207
100	172
110	144
120	139
130	133
140	128
150	123
160	120

80% Fan Speed

Distance from fan (ft)	Air Speed (ft/min)
5	1689
10	1156
20	741
30	474
40	356
50	280
60	242
70	213
80	190
90	166
100	138
110	116
120	111
130	106
140	103

60% Fan Speed

Distance from fan (ft)	Air Speed (ft/min)
5	1274
10	770
20	492
30	367
40	266
50	210
60	182
70	160
80	142
90	124
100	106
110	91

40% Fan Speed

Distance from fan (ft)	Air Speed (ft/min)
5	857
10	409
20	266
30	207
40	178
50	129
60	121
70	103
80	85