

Z00 Fans Destratification Fan

Test Result Data for Model: H60 Premium Efficiency

Description

Test results for H60 Premium Efficiency Fan with the 115V motor with guard grill on suction side and an air guide (stator ring) installed. This fan was tested on the ZOO Fans AVST-10A-115V auto-transformer speed controller.

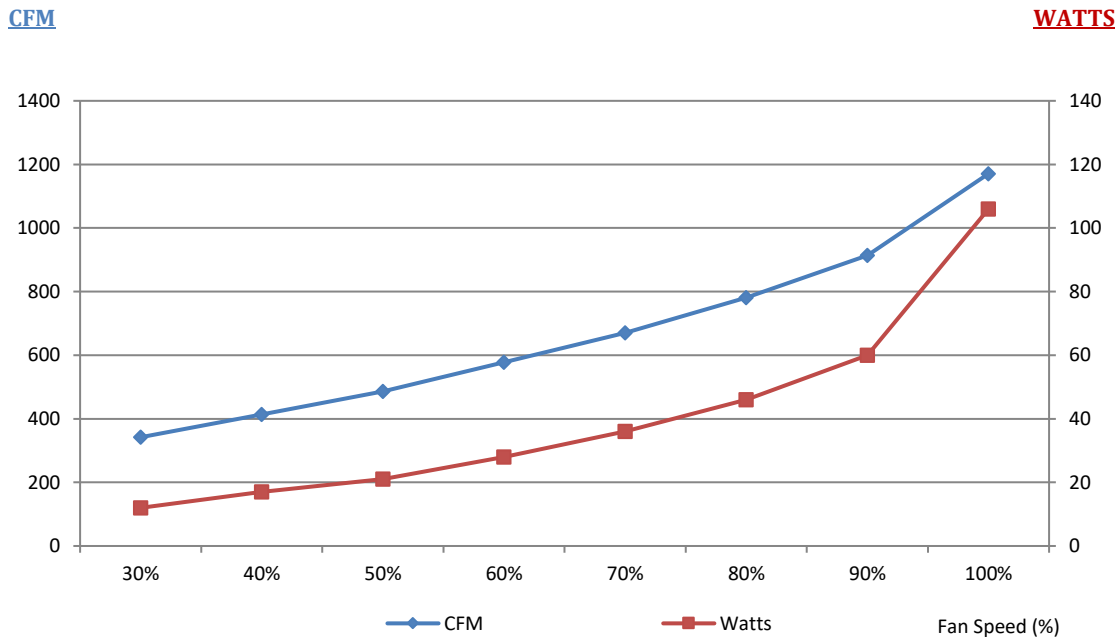
Testing Method

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

Fan

- H60 Premium Efficiency
- 1 ~115V 60Hz 106 watts 0.96A
- 1459 RPM - 12uF/400V 70°C Capacitor
- Air Guide
- Finger Guard Grill on suction side

Air Flow Measurements



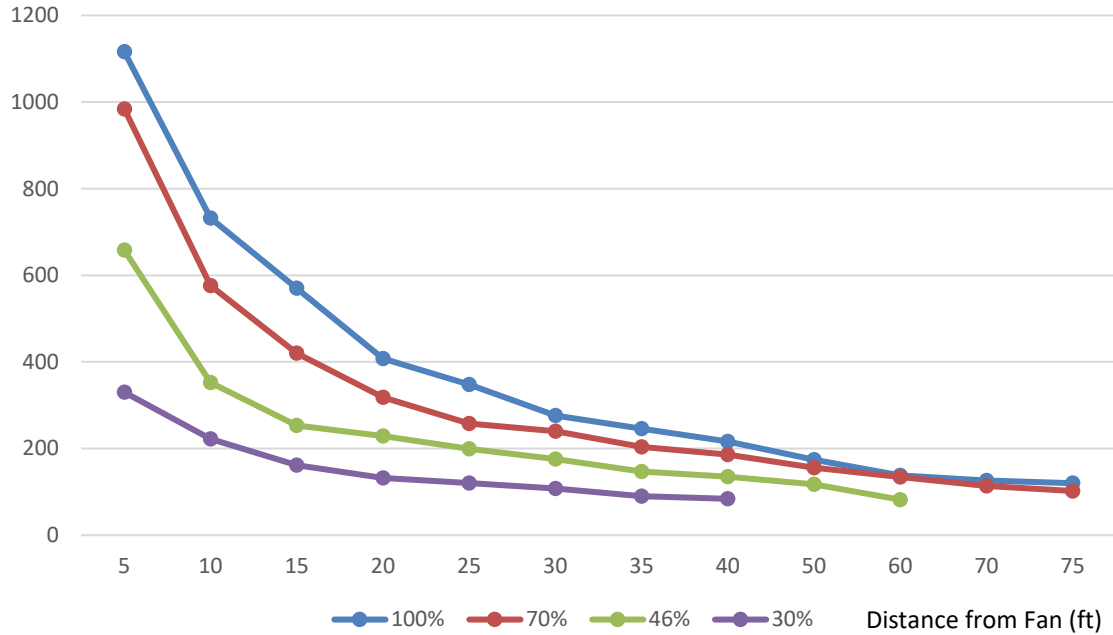
Data Table

Fan Speed	Control Signal (V)	Power (V)	CFM	RPM	Watts	Amps	Sound Power (LwA6)
100%	10	116	1171	1459	106	0.92	70
70%	9.2	81	914	1136	60	0.74	64
60%	8.2	70	781	975	46	0.66	60
53%	7.2	62	670	846	36	0.59	56
46%	6.2	54	578	733	28	0.53	52
40%	5.2	46	486	614	21	0.46	47

35%	4.0	41	414	528	17	0.41	43
30%	3.0	35	342	441	12	0.35	39

Throwing Range Measurements

Feet per Minute



Data Table

100% Fan Speed	
Distance from fan (ft)	Air Speed (ft/min)
5	1116
10	732
15	570
20	408
25	348
30	276
35	246
40	216
50	174
60	138
70	126
75	120

70% Fan Speed	
Distance from fan (ft)	Air Speed (ft/min)
5	984
10	576
15	420
20	318
25	258
30	240
35	204
40	186
50	156
60	134
70	114
75	102

46% Fan Speed	
Distance from fan (ft)	Air Speed (ft/min)
5	658
10	352
15	253
20	229
25	199
30	176
35	147
40	135
50	117
60	82

30% Fan Speed	
Distance from fan (ft)	Air Speed (ft/min)
5	330
10	222
15	162
20	132
25	120
30	108
35	90
40	84