

## ZOO Fans Destratification Fan

Test Result Data for Model: H30 Premium Efficiency

### Description

Test results for H30 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 auto-transformer AVST-10A-115V controller.

### Testing Method

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

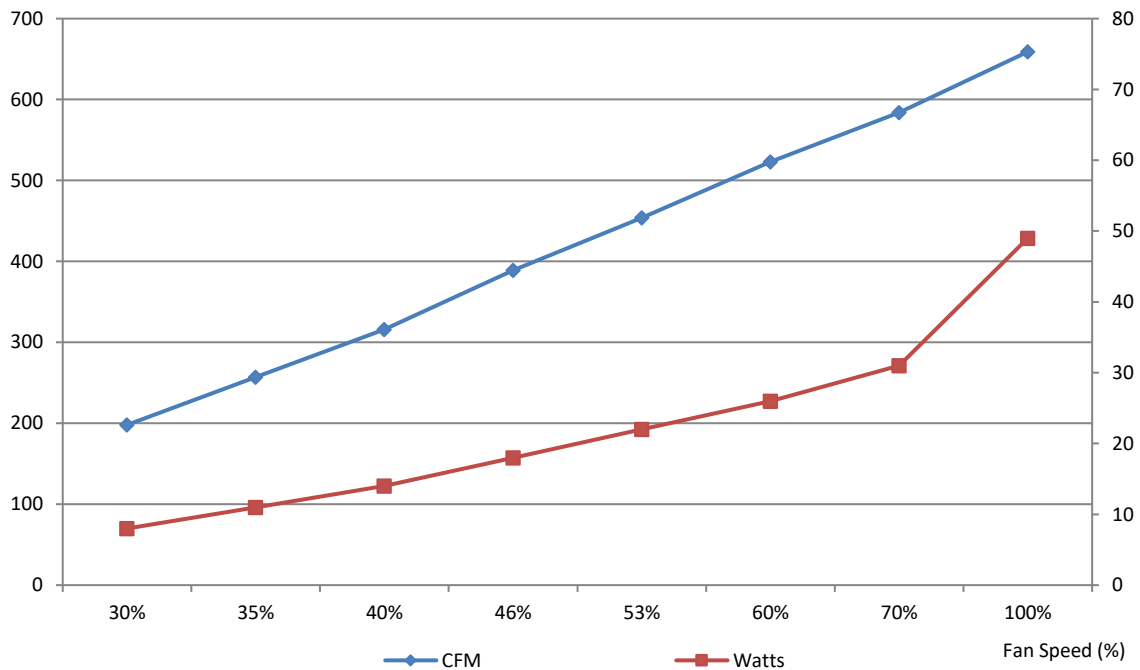
### Fan

- H30 Premium Efficiency
- 1 ~115V 60Hz 46 watts 0.44A
- 1590 RPM - 6uF/400V 70°C Capacitor
- Air Guide
- Finger Guard Grill on suction side

### Air Flow Measurements

CFM

WATTS

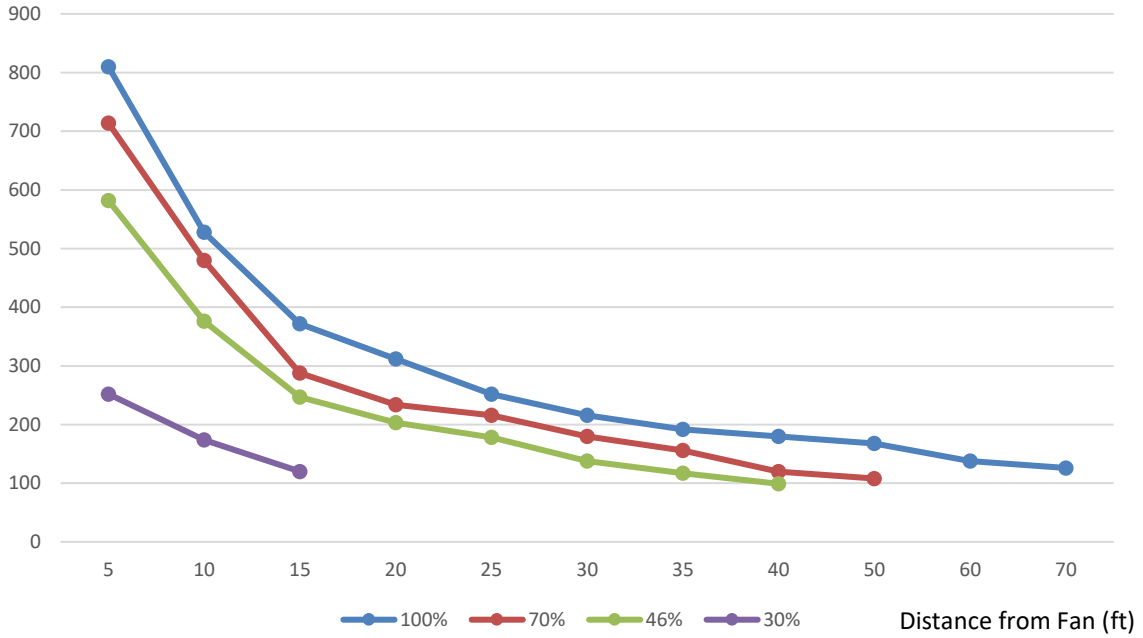


### Data Table

Fan Speed	Control Signal (V)	Power (V)	CFM	RPM	Watts	Amps	Sound Power (LwA6)
100%	10	116	659	1625	49	0.44	68
70%	9.2	81	584	1444	31	0.38	65
60%	8.2	70	523	1292	26	0.37	62
53%	7.2	62	454	1126	22	0.36	58
46%	6.2	54	389	965	18	0.33	54
40%	5.2	46	316	782	14	0.30	49
35%	4.0	41	257	651	11	0.27	45
30%	3.0	35	198	520	8	0.24	40

## Throwing Range Measurements

Feet per Minute



## Data Table

100% Fan Speed	
Distance from fan (ft)	Air Speed (ft/min)
5	810
10	528
15	372
20	312
25	252
30	216
35	192
40	180
50	168
60	138
70	126

70% Fan Speed	
Distance from fan (ft)	Air Speed (ft/min)
5	714
10	480
15	288
20	234
25	216
30	180
35	156
40	120
50	108

46% Fan Speed	
Distance from fan (ft)	Air Speed (ft/min)
5	582
10	376
15	247
20	203
25	178
30	138
35	117
40	99

30% Fan Speed	
Distance from fan (ft)	Air Speed (ft/min)
5	252
10	174
15	120