

## **Bess Lab - New Best in Test**



On August 6-8 we tested our new MagFan ONE at Bess Lab, Illinois, USA.

MagFan ONE is our "conventional" **ON/OFF** wall fan.  
The usual MagFan quality and still no belts nor pulleys.

We compiled a list of the top 1% of all on/off fans tested at Bess Lab  
using the following minimum criteria:

- Energy Efficiency Rating should be 22 CFM/Watt or higher at 0.1" H2O
- Air Flow Ratio (AFR) should be 0.79 or higher

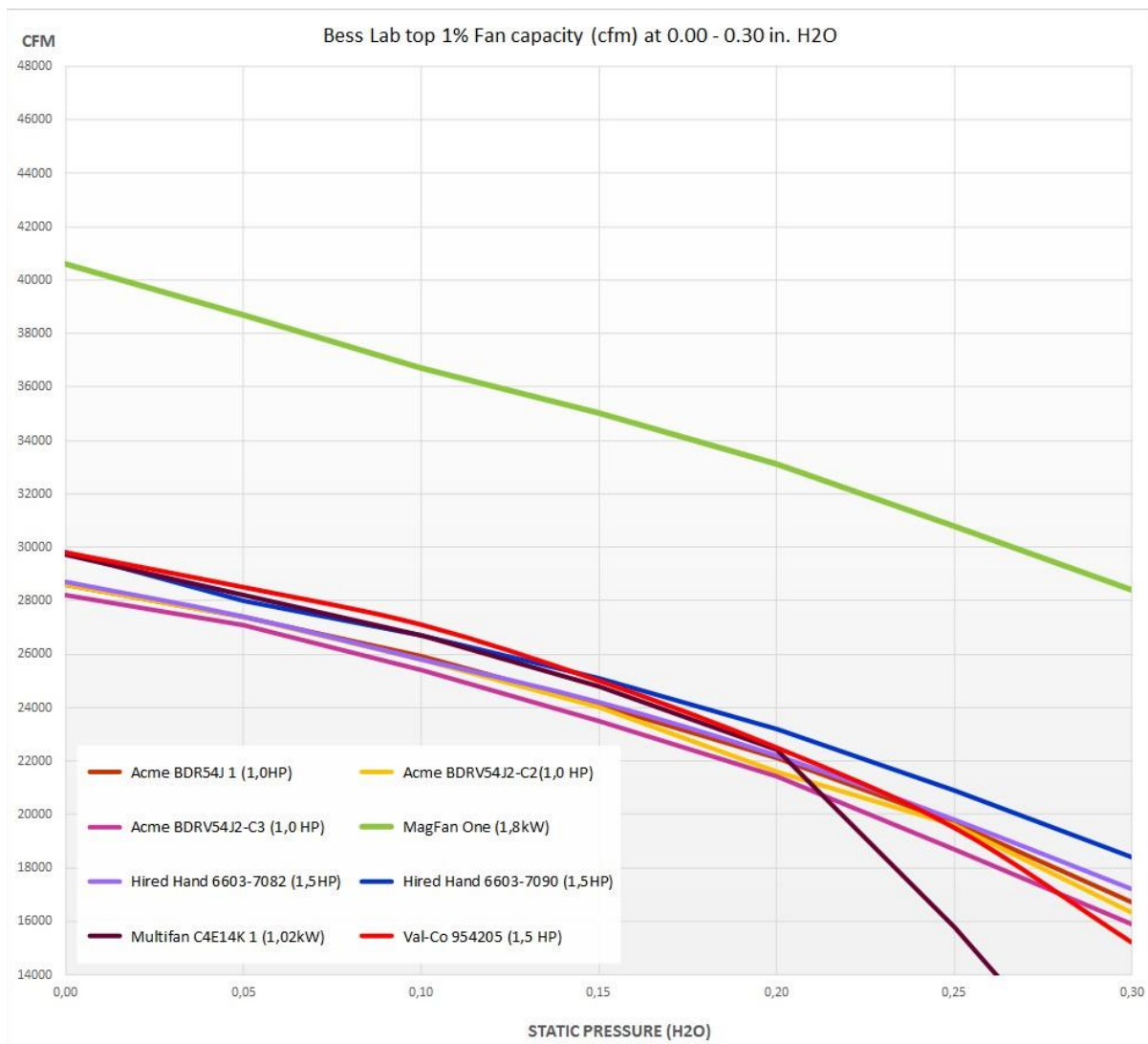
### **MagFan ONE stands out**

- Energy Efficiency Rating @ 0.1": 22.2 CFM/Watt
- Air Flow Ratio: 0.86

### **Raw performance meets high efficiency**

Moreover, despite the high efficiency MagFan ONE outperforms all the other fans in  
terms of raw performance.

Here is a graphical presentation of the data:



### MagFan ONE - The importance of good aerodynamics

- At 0.1": 36700 CFM or 35% more than the best of the rest
- At 0.3": Well over 50% higher CFM than the best of the rest

This Bess Lab test clearly demonstrates the extreme importance of good aerodynamics.

The carefully designed fan body and impellers (pat. pending) we use on MagFan bring distinct advantages over any other fan on the market - be they conventional on/off fans or fan using highly advanced frequency controlled Permanent Magnet motors.

### The motor

MagFan ONE uses a custom built but otherwise conventional, fully enclosed (IP55) three phase asynchronous motor with a shaft power of 1.8 kW. The motor is similar in design to all other DACS fan motors, with a strict focus

on trouble free operation, easy cleaning and extreme service life.

### Want to know more?

[View the MagFan ONE Bess Lab performance test report](#)

[Read the MagFan ONE product sheet](#)

[Contact DACS](#)



*DACS A/S, September 2018*

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