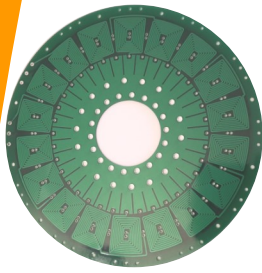


The THINBREEZE™ Properties

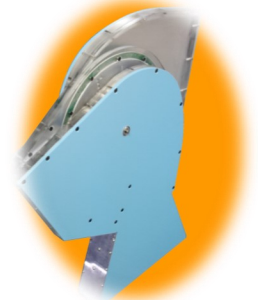


PCB stator

The Thinbreeze Technology:

A compact heat recovery ventilation system, using new counter current cross flow blower and a printed PCB motor.

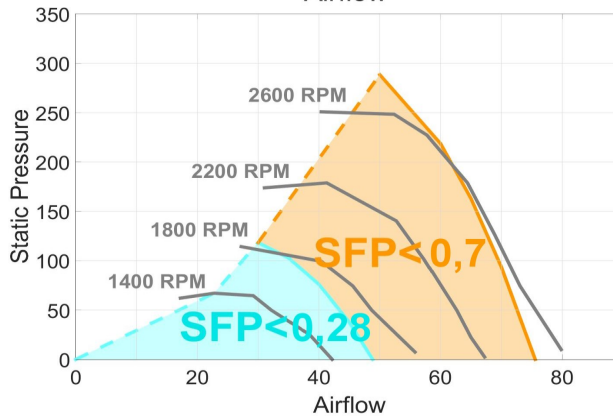
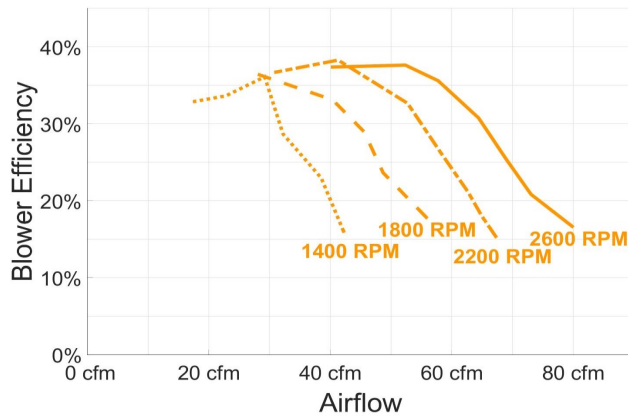
Protected by PCT patent application WO201717300(A1) and US patent US7623013



Countercurrent blower

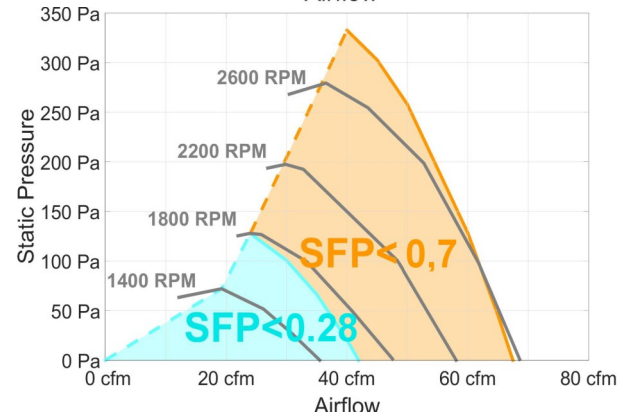
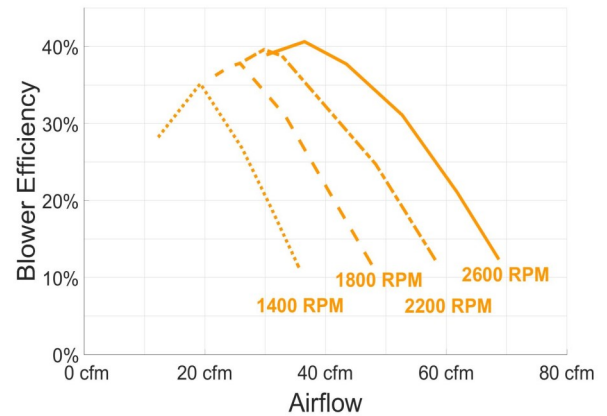
Suction test

Cross Flow Blower: D= 136 mm, h=18.36 mm



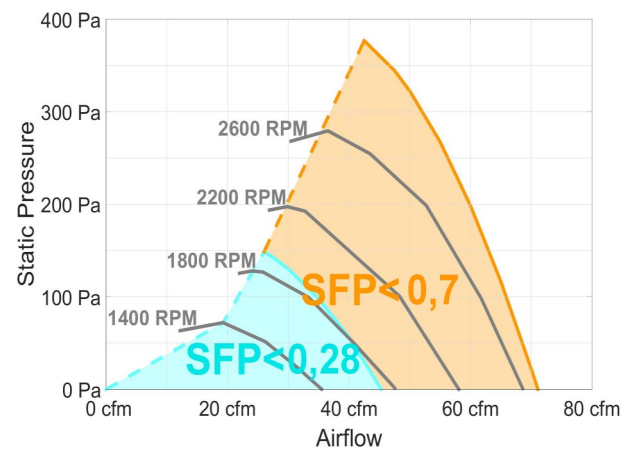
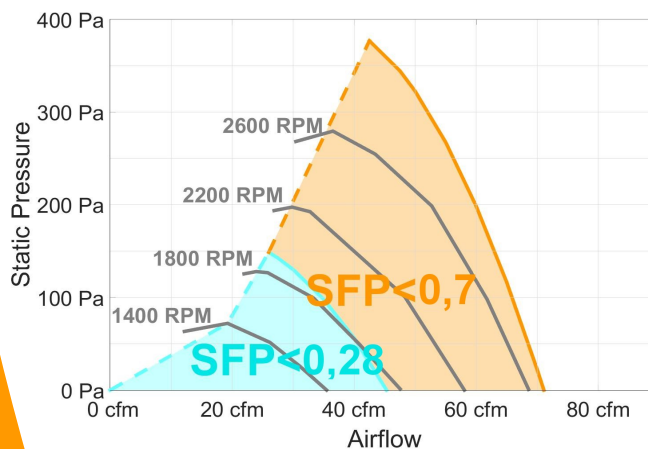
Pressure test

Cross Flow Blower: D= 130 mm, L=17.55 mm



Static pressure performance of the supply and exhaust blowers. The Specific Fan Power (SFP) zones indicated in Wh/m^3 are calculated for combined balanced system, assuming two identical blowers with 75% motor efficiency. All tests are done according to AMCE 210-67.

Projected improvements (with improved motor)



The current motor with 75% efficiency, has not been optimized, and is projected to improve to 85% efficiency. This will expand the SFP application zones for the Thinbreeze system.