
MagFan comes out on top in comprehensive fan efficiency report!

Agrifutures Australia published their report Variable-speed exhaust fans for meat chicken sheds in December 2018. The below tables, taken from pages 8, 15 and 16 in the report, summarize the findings....

Fan models considered in this report

Table 1: List of fan models and performance data for the fans used in this project.

Fan Model	Rpm range	Airflow Range at 25 Pa (m ³ /h)	Energy Efficiency range at 25 Pa (m ³ /h/w)	BESS Test no.
DACS MagFan (1.2 kW)	378–670	21291–57807	45.7–73.4	14438, 14440, 14439
SKOV BlueFan (2.3 kW)	464–650	39700–60900	33.4–51.3	16807, 16808, 16809
SKOV BlueFan (1.3 kW)	465–550	40000–49900	39.9–48.8	16815, 16816, 16817
EBM-Pabst AgriCool (1.3 kW)	300–600	12341–45615	25–54	EBM in-house testing
MultiFan Cone V-Plus (2 kW)	300–615	15700–59100	10.3–45.5	16851
<i>Single Speed Fan*</i>	515	43389	38	n/a

All data obtained prior to March 2018

* Note— the “*Single-Speed Fan*” is the result of averaging the *American Coolair MNBCCE54L*, *Hired Hand 6603-7133* and the *Munters WD541V3CD-50* and represents the performance of high-efficiency single speed fans (Dunlop & Brown, 2015) for comparison against the variable speed fans in this report.

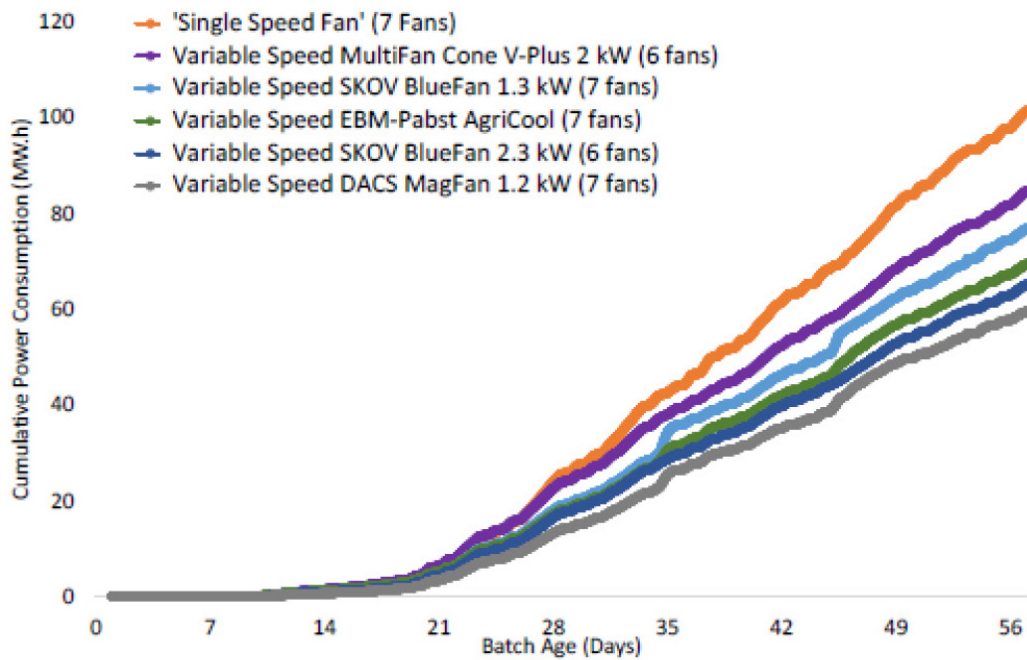


Figure 13: Calculated comparison of a single-speed fan and variable-speed fans in terms of their cumulative power consumption throughout a 56 day batch. Shown in brackets is the calculated number of fans that would be needed on the shed to achieve airflow at maximum demand.

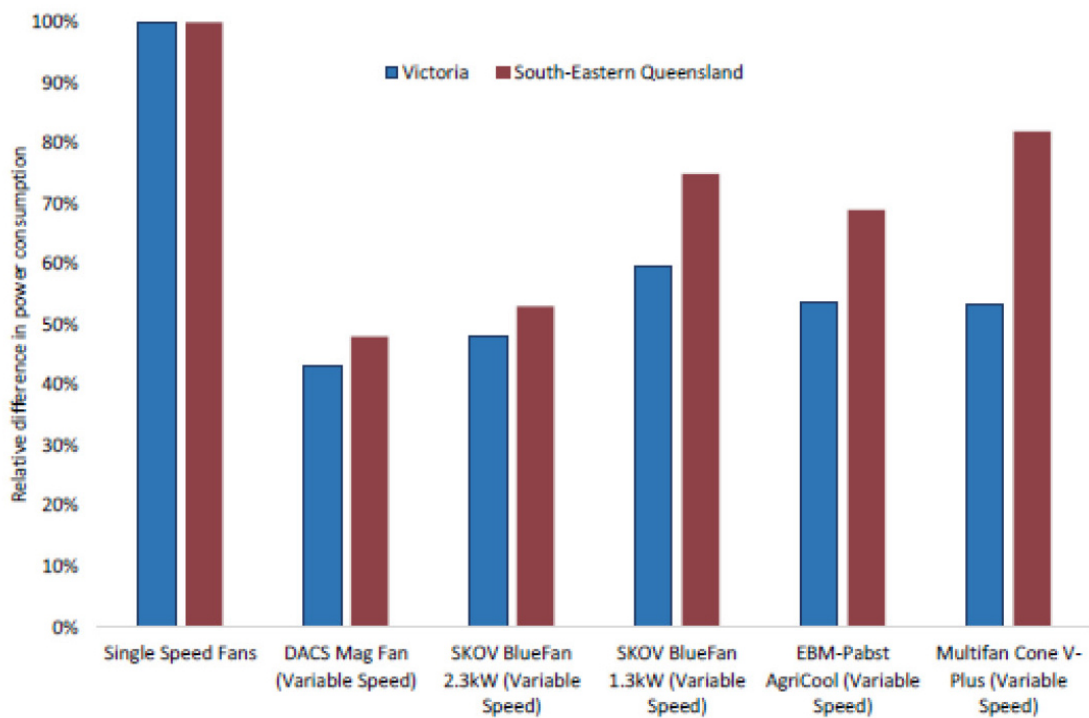


Figure 14: Calculated example showing the difference in power consumption for the variable speed fans relative to the single speed fans in Victoria and south-eastern Queensland.

Download the complete Agrifutures report

Join the conversation on LinkedIn

OR

Contact DACS for more information



DACS A/S, January 2019

DACS A/S

Falkevej 18,
8766 Nr. Snede,
DENMARK

Tel: +45 75 77 19 22

Email: jd@dacs.dk

[unsubscribe from this list](#) [update subscription preferences](#)