

ACi 4420 HHR – more performance, less power

The ACi 4420 HHR is the new high performance, high efficiency replacement for standard shaded pole AC compact fans. Using brushless, permanent magnet motor technology, ACi 4420 HHR provides:

- 79% energy savings
- Double lifetimes
- 20% more performance



Comparison of the AC and ACi 4420 HHR fans is shown below. Here it can be easily seen that the ACi product will pay for itself within 1 to 2 years.

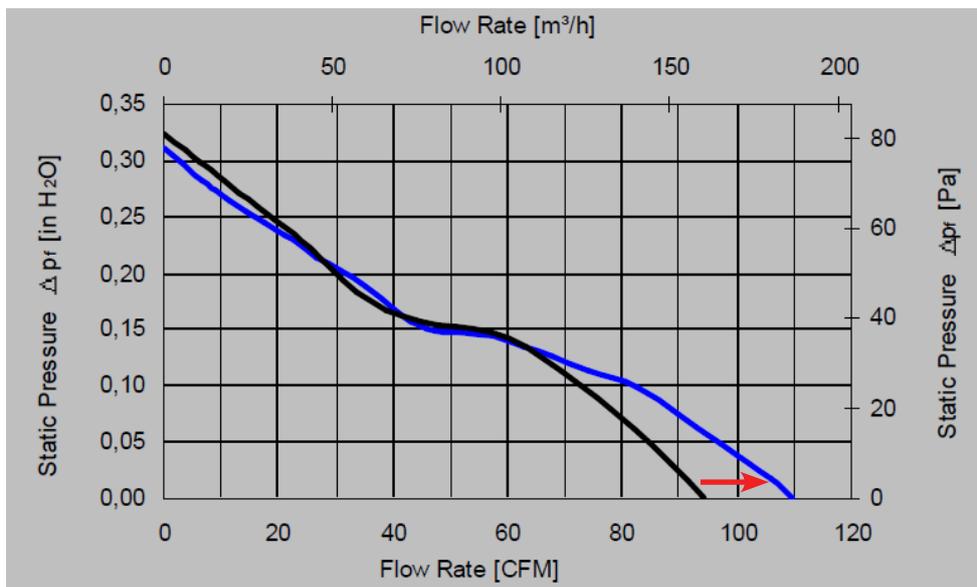
Fan	Energy Use [kWh pa]	Energy Cost [AUD pa]	Life time
AC shaded pole fan	165.9	33	40,000
ACi 4420 HHR	34.9	7	80,000
Savings	Save 79% power	Save AU\$26 pa	Twice lifetime

Power savings such as these are very important in domestic cooling situations such as ventilation and refrigeration. Especially in refrigeration, the energy savings are paramount as, in the example above, the refrigerator does not have to remove the 100-130 kWh more of heat that the AC shaded pole product will generate in the cold circuit.



This means that the refrigerator will perform better

The performance comparison of the AC and ACi 4420 HHR product is shown in the figure. Here it can be seen that air flow at free air increases from 95 to 110 CFM.



This means that the product gives more air for less power.

In a road side cabinet for instance where cooling is proportional to air flow, the cooling system will be 20% more effective while consuming 79% less power. This means that not only are the running costs of the system better but the installation costs are lower as current ratings are reduced.

In summary, ACi 4420 HHR means more performance with less power. This is a revolutionary new product for all AC cooling solutions.

[Find out more about axial fans on our website.](#)

