

# Why are DC Fans better than AC Fans?



Purchasing a DC fan for a bedroom, gives you extremely quiet cooling at the lowest running cost. Up to 8 x cheaper than an AC fan and up to 50 x cheaper than ducted air conditioning. The only noise is the sound of the air flow, no buzzing motors, which softens the external noise of your environment and contributes to better sleeping and health.

DC stands for direct current and AC fans are alternating current. Although AC fans are a lot cheaper to manufacture they have a number of major disadvantages:

- AC fans are up to 85% more expensive to run. A 35W DC fan can produce the same air flow as a 60W AC fan. The AC fan will always draw 60Watts (energy consumption) whereas a DC fan will draw as low as 7W on the lower setting which is used most frequently, saving up to 88% in running costs.
- AC fan motors are noisy, especially at night in a bedroom you will hear the motor hum as opposed to a DC fan which has no motor noise.
- AC fans need in wall controllers which are more expensive to install; DC fans can be connected to normal wall switches.
- AC fans have limited speed options, normally 3; DC fans have 6 speed options on remote, as well as a reversible option for winter.
- AC fans do not last as long as DC fans which have warranties of 6 Years.

## SUMMARY DC FANS;

- Much cheaper to run
- Cheaper and quicker to install
- Quiet motor
- More fan speed options
- Reversible fan for winter
- Long lifespan - 6 Year warranty

Greenhse have a large range of DC fans in different styles and colours. Aesthetics and personal choice seem to be the biggest influence when selecting, however wind flow rate, and ceiling height are the most important factors.

We have fans with very low depth for low ceilings, 24Watt High brightness lights to suit a single room without compromise, dimmable and colour selectable with remote, as well as full SMART fans.