

What makes the iSwirl unique?

- Dual powered extraction of air from wind and sun. Exceptional extraction on hot windy days.
- Cools home in summer on hot summer days that are wind free.
- Reduces damp in winter.
- Operates on windy days with minimal sunshine conditions.

The iSwirl offers the following additional benefits:

- Runs energy free.
- Tested to AZ/NZS 4740.
- Eco friendly.
- Variable pitch for different roof angles
- Solar drives internal fan.
- Reduces load on air-conditioning, so lowers energy bills.
- Suitable for metal and tiled roofs.
- Easy installation, only one tile needs to be removed.



iSwirl

Unique Roof Ventilator

Retrofit is exceptionally easy:

- Can be easily installed on the existing collar of a whirlybird, where the collar size is 306mm in diameter.
- Significantly enhance the performance and extraction of hot and moist air from your existing ventilator.
- If necessary, it is possible to replace collar on your existing flashing.



iSwirl

Unique Dual Powered Roof Ventilator

SOLAR & WIND

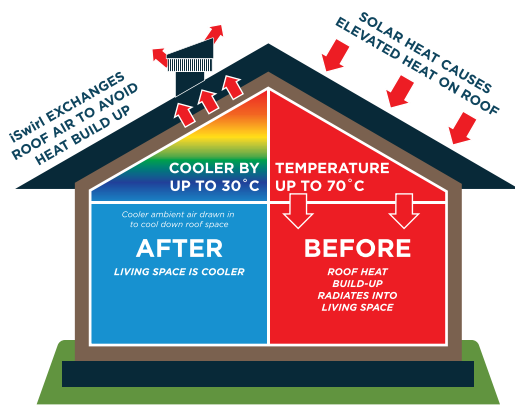


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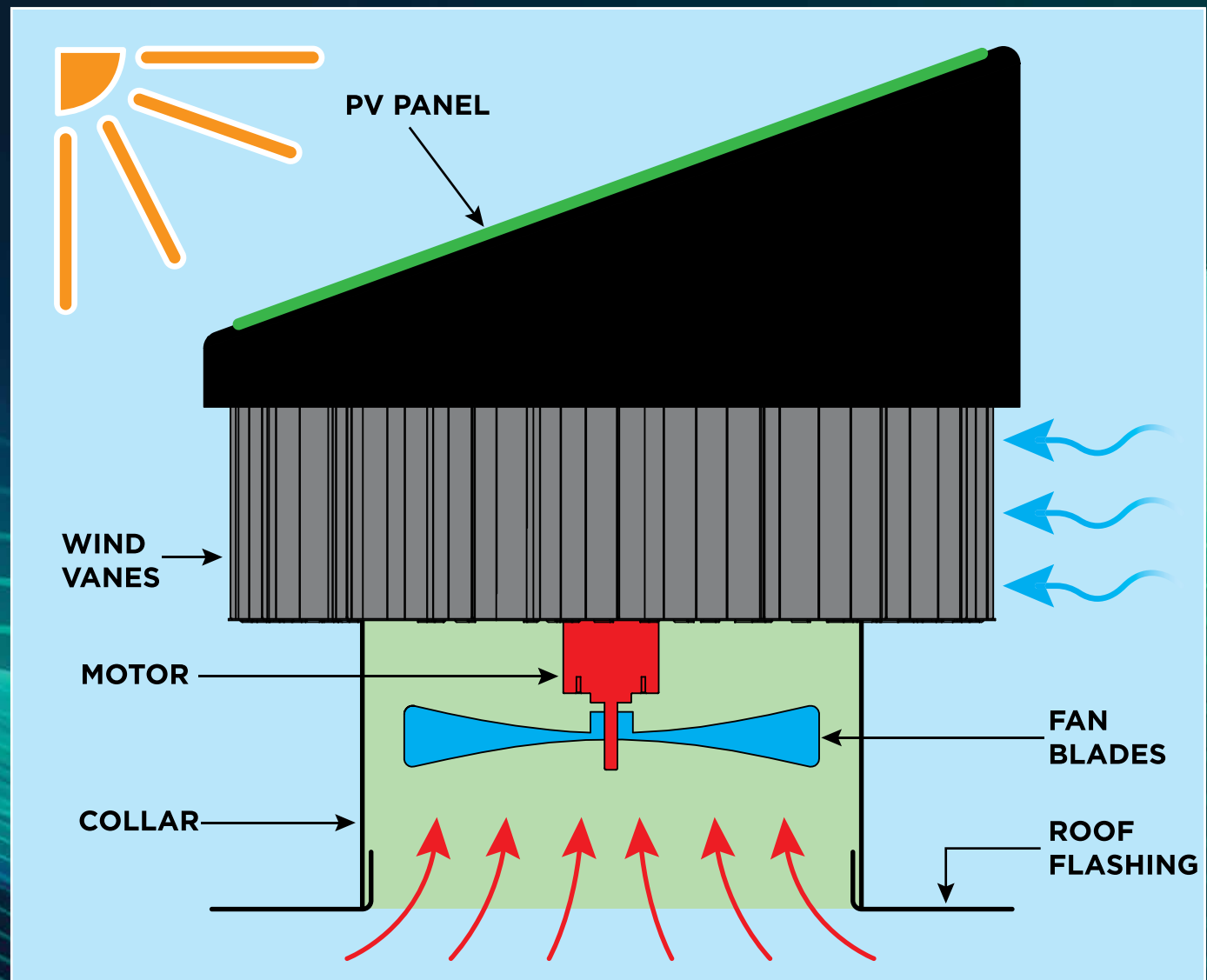
*As tested in lab conditions



How does the iSwirl work?

1. Hot, moist and damp air sits in the roof cavity space.
2. A solar panel on the top of the unit powers a motor that is attached to a fan blade below the wind vanes. During sunlight conditions this creates significant upward force for hot and moist air to escape the roof cavity.
3. During wind conditions the wind vanes rotate causing a negative air pressure in the iSwirl. This pressure pulls hot and moist air out of the roof cavity.
4. The rotating fan and the vanes combine to create maximum upward pressure to extract hot and moist air from the roof.
5. Cool and fresh air replaces the unwanted air in the attic space.
6. The home is cooled due to the removal of the hot air which is replaced with cooler fresh air.

It is this combination of solar power and wind that is unique to iSwirl, offering far more efficient and effective air extraction than conventional whirlybird systems.



iSwirl roof ventilator has the following benefits:

- Reduces heat build-up in the roof space
- Saves on energy that would be used by air conditioning or conventional electric fans
- Promotes fresh air circulation and the avoidance of mould build up
- Good ventilation in the roof cavity prevents dampness and damage to roof timbers and the formation of mildew.
- Ceiling insulation is less efficient when damp and adds to heating costs