

DIRECT AIR VENTILATION SYSTEM

(DAVS) - Economically cools your home

Direct Air Ventilation System is an economical powered vent system designed to remove excess heat from the home, enabling its replacement by cooler and fresher external air.

DAVS is based on the successful Edmonds' Maestro power vent technology which is ducted to a controllable ceiling register. Maestro is thermostatically controlled to ensure energy efficient operation.

At the desired internal temperature, Maestro commences to operate quietly and extract warm air from the home. This can be replaced in the home by cooler air.

The operation of the system ensures air exchange and circulation in the home thereby diluting any pollutants and freshening the air.

Maestro is powered through a 12V transformer so it operates when it is needed the most. The closable ceiling grille can be closed in winter to retain warmth in the home.



Power ventilator



Benefits - Why choose DAVS

- Assists in home comfort and reduces room temperature
- Removes heat load allowing fresh and cooler air to enter the home
- Economical cooling (low energy usage)
- Reduces reliance on air conditioners and reduces running costs
- No heat loss in winter (closing ceiling register)
- Effective at any time of the day (not dependent on sun)
- Australian made using German quality low voltage electronic commutating motor

Intelligent, High Volume Extraction

The operation of the power ventilator is activated automatically when the internal home temperature exceeds the desired set point – recommended to be 25°C. An on-off switch is also available.

The powerful system removes up to 400m³/hr of warmer ceiling air from the home. For a 170m² square home this represents nearly two full air changes per hour of operation. The cooling effect of the system will reduce the reliance on air conditioning and thereby reduce running costs of your home.

The high extraction rate also ensures a clean air environment within the home. By exchanging the air, the levels of any household pollutants and allergens are diluted. This can reduce odours and improve some health conditions caused by household allergen generation.



Ceiling Register and Thermostat



Economical Operation

The power vent has an operating power requirement of only 11 watts. If operated for five months at 16 hours a day the power requirement would be about 27kWh. At current power costs the power usage would cost less than \$8 a year.

Available from:

www.edmonds.com.au

TECHNICAL INFORMATION

DIMENSIONS

Maestro
Height: 264mm
Width: 500mm
Throat Size: 300mm

Ceiling Grill
Circular 300mm diameter

CONTROL

Temperature control from 5° to 60° celcius
Automatic thermostat control

AIR MOVEMENT

400m³/hr at zero static pressure. Actual flow rates will vary depending on the number and size of the openings such as windows and doors.

POWER CONSUMPTION

11 watts at 12V supply

CSR