

# D.R. Distribution

## Natural Temperature Control

### ECONOFLOW ROOF VENTILATION

#### ELECTRONICALLY CONTROLLED ROOF SPACE VENTILATION

- Suitable for SUMMER and WINTER.
- Suitable for existing homes & homes under construction.
- 4 Kits available to suit different types of applications.
- Does the work of greater than 10 wind powered domestic ventilators.
- 12 months warranty on controller & fan motor.

#### HOW DOES IT WORK?

- Econoflow utilises temperature differences in the air around your home to cool your roof cavity, in turn reducing temperatures within your home, energy costs to cool and increasing ducted air conditioning efficiency.
- Econoflow requires no roof top penetrations.
- Econoflow is installed internally within the roof cavity of your home, removing chances of leaks and other problems associated with roof penetrations.
- Econoflow exhausts hot air from your roof & replaces it with cool air from under your household eaves.
- Econoflow has a digital thermostat controller which can be installed in a convenient location within your home giving you control over roof space temperatures.
- Econoflow uses a low 70watts of power to run a continuously rated AC fan with a high flow rate of 380 litres per second air flow.

#### WILL IT WORK ON YOUR HOME?

- Econoflow requires a minimum 320mm eaves around the home.
- Econoflow requires access to internal roof cavities.
- Econoflow work most efficiently with a roof pitch of 22 degrees or greater but will still work with smaller pitches.
- If your roof space is greater than 300m<sup>2</sup>, multi units may be required.

#### INSTALLATION

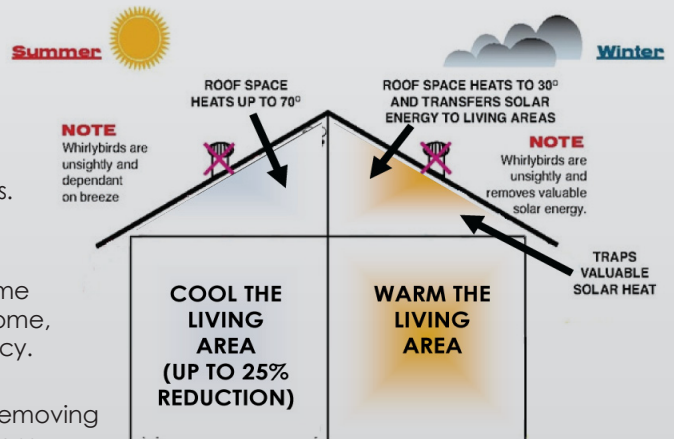
- Econoflow components can be installed by any competent handyman.
- Econoflow power & thermostat controller must be installed by a licensed electrician.

#### MANUFACTURING

- 300mm Industrial Ducted AC Fan Motor
- Duct connections constructed in steel
- Inlet & outlet vents constructed in powder coated aluminium
- Inlets come with an internal mesh covering to minimise insects gaining access into the roof cavity.

#### RUNNING COST

- Econoflow Ventilation system costs less than 0.03 \$/hr at 30 C/KWH for domestic homes.
- During winter the Econoflow system can be switched off or adjusted to allow for higher roof space temperatures to trap valuable solar energy (heat).



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### ECONOFLOW VENTILATION KITS

#### NEW HOME UNDER CONSTRUCTION

- 1X 300mm 70 watt 380l/s industrial fan
- 1X Fan mounting bracket (attached)
- 1X Fan inlet grill(attached)
- 1X 400mm 6m nude duct
- 1X Fan Motor to 400mm converter
- 1X eave outlet (300 X 595)
- 1X Econoflow controller
- 2X Eave inlet vents (335 X 335)
- 1X 10 meter temperature probe
- 8X White screws for inlet grills
- 1X Roll 45mm X 6m foil tape
- 1X Roll blue hanging tape

#### GABLE ROOF HOME

- 1X 300mm 70 watt 380l/s industrial fan
- 1X Fan mounting bracket (attached)
- 1X Fan inlet grill(attached)
- 1X 300mm 6m nude duct
- 1X Fan Motor to 300mm converter
- 1X Gable outlet (400wx400)
- 1X Econoflow controller
- 2X Eave inlet vents (335 X 335)
- 1X 10 meter temperature probe
- 8X White screws for inlet grills
- 1X Roll 45mm X 6m foil tape
- 1X Roll blue hanging tape

#### EXISTING HOME

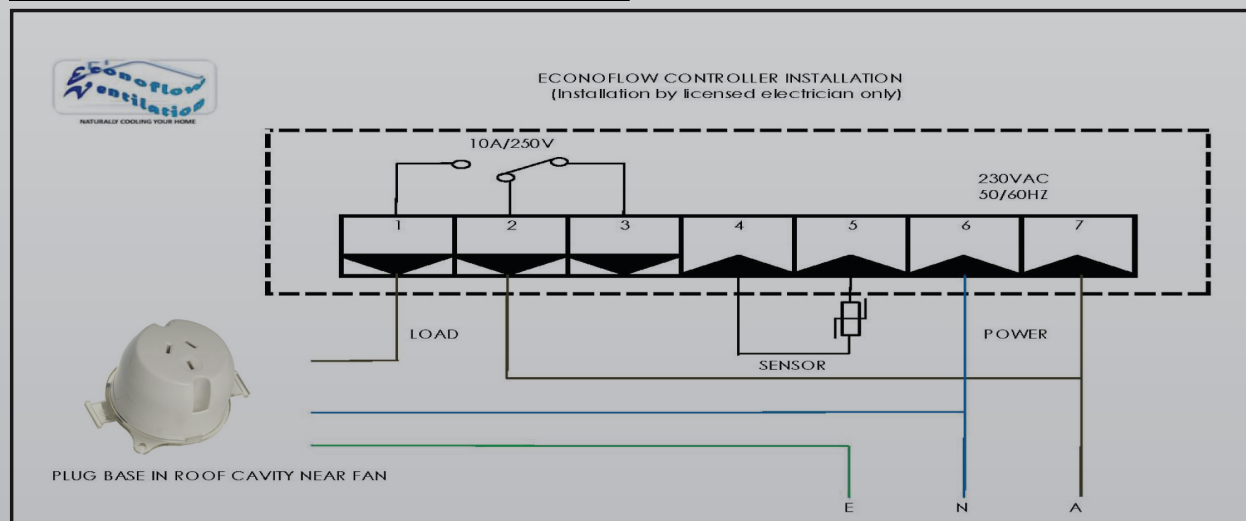
- 1X 300mm 70 watt 380l/s industrial fan
- 1X Fan mounting bracket (attached)
- 1X Fan inlet grill(attached)
- 2X 300mm 6m nude duct
- 1X Fan Motor to 300mm converter
- 2X eave outlet (335 X 335)
- 1X Econoflow controller
- 2X Eave inlet vents (335 X 335)
- 1X 10 meter temperature probe
- 8X White screws for inlet grills
- 1X Roll 45mm X 6m foil tape
- 1X Roll blue hanging tape
- 1X 300-300-300 Y adaptor

#### EXISTING HOME WITH NARROW EAVES

- 1X 300mm 70 watt 380l/s industrial fan
- 1X Fan mounting bracket (attached)
- 1X Fan inlet grill(attached)
- 2X 300mm 6m nude duct
- 1X Fan Motor to 300mm converter
- 2X Narrow eave outlet (280 X 450)
- 1X Econoflow controller
- 2X Narrow Eave inlet vents (280 X 450)
- 1X 10 meter temperature probe
- 8X White screws for inlet grills
- 1X Roll 45mm X 6m foil tape
- 1X Roll blue hanging tape
- 1X 300-300-300 Y adaptor

KW/HR RATE \$	FAN WATTS	CONTROLLER < 3 WATTS	COST \$/HR	COST IN \$ OVER 12 HRS	COST IN \$ OVER 24 HRS
0.15	70	3	0.01	0.13	0.26
0.20	70	3	0.01	0.18	0.35
0.25	70	3	0.02	0.22	0.44
0.30	70	3	0.02	0.26	0.53
0.35	70	3	0.03	0.31	0.61
0.40	70	3	0.03	0.35	0.70
0.45	70	3	0.03	0.39	0.79
0.50	70	3	0.04	0.44	0.88

TYPES OF COMMON DOMESTIC VENTILATORS	ECONOFLOW	SOLAR POWERED ROOF TOP VENTILATORS	DOMESTIC WIND TURBINES (WHIRLYBIRDS)	ROOF MOUNTED POWERED VENTILATORS
	WORKS IN ALL WEATHER CONDITIONS	YES	NO	NO
NO ROOF TOP PENETRATIONS REQUIRED	YES	NO	NO	NO
RETAINS ROOF CAVITY HEAT IN WINTER	YES	NO	NO	NO
ELECTRONIC TEMPERATURE CONTROL	YES	SOME	NO	SOME
WIND TURBINE EQUIVALANCE	>10	AVG. 4	1	AVG. 4
CAN BE TURNED OFF IF REQUIRED	YES	NO	NO	SOME



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