

Envirowise EnergySaver DriAir System

Technical Data Sheet

An EnergySaver DriAir Positive Pressure system is simple to install and inexpensive to run. Two versions are available; one for lofts in houses, with or without pre heat facility and another for flats and apartments, which comes as standard with pre heat.

Fresh, dry, filtered ambient air is introduced continuously into the property, diluting and displacing stale moist air within the dwelling, reducing condensation to acceptable levels.

The units are also beneficial in repelling the natural seepage of Radon in those parts of the country where this is thought to be a problem.



Special Features

General

- Solid state electronics
- Pre heat facility can be manually selected
- Electronic controller automatically monitors temperature of introduced air and activates pre heat to maintain comfort levels. If the heater switch is enabled by the tenant, heat will switch on when air temperature falls below 12°C
- Largely maintenance free filters

Benefits

- 5 year guarantee
- Lower energy costs for tenant in keeping with Government Directive regarding energy efficient appliances in Social Housing
- Helps to alleviate condensation
- Reduces Radon
- Low maintenance

Motor

- Energy efficient – consumes as low as 4 watts
- DC motor for quiet operation
- Diffusers designed to minimise draughts
- Versions available for flats and houses
- Optional pre heat facility on house versions – standard on flat / apartment model
- Four air volume speed settings
- Air temperature cut out when incoming air temperature exceeds 25°C

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Construction

Housings are rotational moulded, flame retardant plastic with a lifetime warranty.

Filters

Loft Model: Non woven type processed to labyrinth structure ensuring good air distribution. The synthetic fibres are resistant to moisture, fungi, bacteria and frost. Model VNF250. Heat resistance <100°C. Flammability – self extinguishing to DIN 53438 F1

Flat Model: Totally open reticulated foam post, treated to improve flame retardant properties

Installation

A loft unit is fitted in the roof void and ducted via an air diffuser, normally mounted in the ceiling above a stairwell. For units fitted with pre heat facility, the heater control switch is sited on the landing wall at a convenient height to enable the user to switch the heater on or off. Also, the fan speed control is set from this position.

The flat unit is fitted on a convenient wall, as close to the intake point as possible. Ideally, the unit should be fitted inside a hall cupboard, where access to an external wall and ambient air is possible. Supply ducting is then run to an outlet air grille, normally situated in the hall, in order that the introduced air is delivered to a central point within the dwelling.

Motor

Loft Models

Speed/consumption	1 / 35w	2 / 45w	3 / 55w	4 / 65w
Ltrs/sec	30	36	45	54

Flat Models

Speed	ltrs/sec <19°C	Consumption (w)	ltrs/sec >19°C	Consumption (w)
Trickle	12	4	18	6
Medium	18	6	24	9
High	24	9	30	12
Boost	30	12	36	16

FAN DIMENSIONS

Loft unit Casing (mm)	325 x 400 x 404		
Flat unit (mm)	500 x 370 x 180		
Hole Diameters (mm)	Loft unit diffuser ceiling hole		200
	Flat unit (intake and outlet)		107
	Flat unit Supply ducting		100

ELECTRICAL VOLTAGE

220/240V AC

Order Codes

DPPS/L	Loft unit without pre heat facility, includes flexible ducting and diffuser
DPPS/L/H	Loft unit with pre heat facility, includes flexible ducting, diffuser and heater on/off switch
DPPS/F	Flat unit with pre heat facility, includes heater on/off switch.