

## TECHNICAL DATA SHEET

### EnergiSava 325 | Ultra Efficient Whole House Heat Recovery System

A



3  
YEAR



#### KEY FEATURES

- ✓ Extremely low Specific Fan Power (SFP) of 0.60 W/l/s and high thermal efficiency of 91%
- ✓ 100% automatic integral mechanical bypass with no reduction in airflow
- ✓ Integral humidity sensor
- ✓ Stepped reduction intelligent frost protection
- ✓ Hard-wired LED status indicator
- ✓ Summer kick-up mode for increased airflow
- ✓ Left- or right-hand configurations
- ✓ 3 year warranty

#### PRODUCT

The energiSava® 325 shall be a high efficient whole house mechanical ventilation with heat recovery unit (MVHR).

#### APPLICATION SUITABILITY

The energiSava® 325 shall be suitable for medium to large sized dwellings with kitchen plus up to 6 additional wet rooms and designed primarily for residential newbuild applications. The unit shall be lightweight for ease of installation and capable of being wall mounted with a quick fit mounting bracket. The unit shall incorporate Ø150mm extract and supply spigots with no requirement for adaptors.

#### ACCREDITATIONS

- Conforms to the requirements of the UK Building Regulations and the Technical Standards for Ventilation
- Conforms to requirements of the EC council directives relating to Electromagnetic Compatibility and Electrical Safety (LDV and EMC).
- CE Marked
- SAP PCDB Listed

#### PRODUCT CHARACTERISTICS DATABASE (PCDB)

| Exhaust Terminal Configuration | Specific Fan Power [W/l/s] | Heat Recovery Efficiency [%] |
|--------------------------------|----------------------------|------------------------------|
| Kitchen + 1 wet room           | 0.60                       | 91                           |
| Kitchen + 2 wet rooms          | 0.62                       | 90                           |
| Kitchen + 3 wet rooms          | 0.72                       | 89                           |
| Kitchen + 4 wet rooms          | 0.88                       | 88                           |
| Kitchen + 5 wet rooms          | 1.06                       | 87                           |
| Kitchen + 6 wet rooms          | 1.30                       | 87                           |

\*Note: 'A+' rating only applicable with 2 or more sensors

SAP 2012

#### SOUND DATA

| Product         | % of Max flow | Airflow       | dB(A) @ 3m Hemispherical |               |                 | dB(A) @ 3m Spherical |
|-----------------|---------------|---------------|--------------------------|---------------|-----------------|----------------------|
|                 |               |               | Induct Inlet             | Induct Outlet | Casing Breakout | Casing Breakout      |
| energiSava® 325 | 31%           | 29l/s @ 7Pa   | 22                       | 33            | 14              | 11                   |
|                 | 66%           | 61l/s @ 40Pa  | 34                       | 47            | 24              | 21                   |
|                 | 100%          | 93l/s @ 100Pa | 42                       | 56            | 34              | 31                   |

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#### CONSTRUCTION

The housing shall be constructed out of Zintec sheet steel housing, powder coated in white with expanded Polypropylene (EPP) for the internals with closed cell foamed Nitrile rubber, class 'O' fire rating for the internal insulation. The heat exchanger shall be constructed out of Polystyrene.

#### CONTROLS

The unit shall be fitted with an integral humidity sensor to continuously monitor the relative humidity of the extracted air and trigger Boost speed when it rises over a set threshold variable from 55%RH to 85%RH. Boost Speed can be triggered by any device which provides a volt free one-way switch, such as a PIR, thermostat, humidistat or a standard one-way switch. The unit shall incorporate an automatic and 100% summer bypass, automatic frost protection and summer kick-up mode for increased airflow.

#### FILTRATION

ISO Coarse 55% (G3) grade filters shall be fitted as standard. ISO Coarse 65% (G4) available on request.

#### SERVICING / MAINTENANCE

Servicing and filter change shall be subject to the local environment conditions. Please refer to instruction manual.

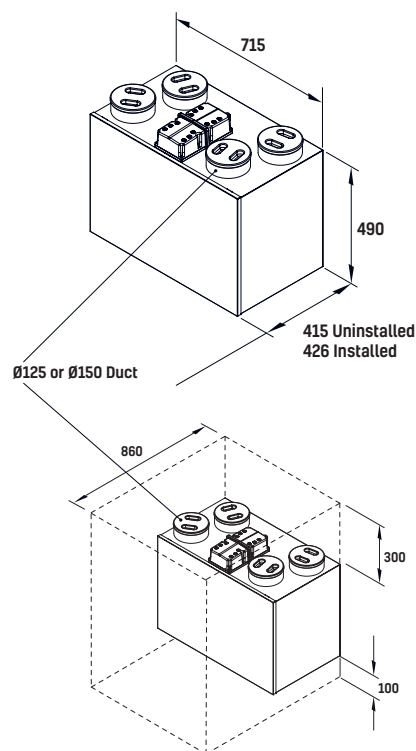
#### WARRANTY

The unit shall be covered by a 3 year warranty.

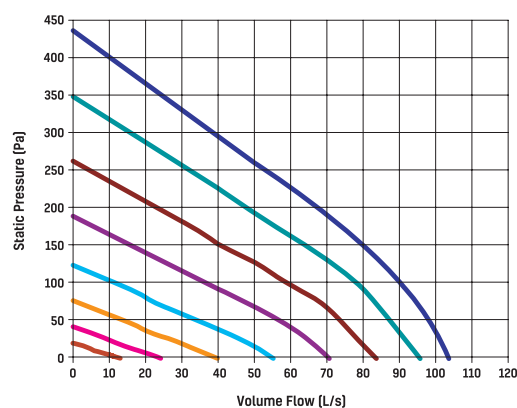
#### INSTALLATION

Full installation guide shall be enclosed with all products; or sent separately in advance if required. Install in accordance with current Building Regulations.

#### SIZE



#### PERFORMANCE CURVE



| Nominal Speed | 1  | 2  | 3  | 4  | 5  | 6  | 7   | 8   |
|---------------|----|----|----|----|----|----|-----|-----|
| %             | 12 | 23 | 38 | 53 | 68 | 80 | 92  | 100 |
| Watts         | 7  | 11 | 20 | 37 | 64 | 92 | 145 | 167 |

A full Consultant Specification can be sent on request.