

envirovent®

ENERGISAVA® 325

Ultra Efficient Whole House Heat Recovery Unit



ENERGISAVA® 325

Ultra Efficient Whole House Heat Recovery System



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About

Ideal for medium to large sized dwellings, the energisava® 325 brings together exceptional performance and efficiency within a compact and patented design. Highly effective at reducing indoor pollutants and improving indoor air quality, the unit runs continuously to provide optimum ventilation all year round.

- Extremely low Specific Fan Power down to 0.52 W/l/s
- High thermal efficiency up to 91%
- Highly compact and lightweight for ease of handling and versatility
- Hard-wired LED status indicator
- Connects easily to 150mm ducting
- 100% diverting intelligent Summer Bypass and humidity controls
- Summer kickup mode for increased airflow
- Stepped reduction intelligent frost protection
- Quick fit mounting bracket
- Easy to remove plug in/out filters via filter doors
- Fully adjustable boost over-run timer 0-60 minutes
- ISO Coarse 55% filters as standard with Coarse 65% option
- Patented features and design
- Available in left and right hand versions
- 3 year warranty



Exceptional Performance

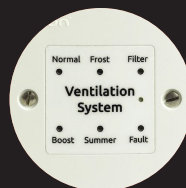
Independently tested by the BRE and recognized in the UK Product Characteristics Database in SAP Appendix Q, the energisava® 325 is suitable for properties with kitchen plus six additional wet rooms, delivering maximum airflow of 91l/s at 100Pa with a low Specific Fan Power down to 0.6 W/l/s and high thermal efficiency of up to 91%.

Ease of Installation

With a compact, lightweight design for easy handling, the energisava® 325 offers innovative features for hassle-free installation. With a quick fit mounting bracket and easy spigots connecting directly to 150mm ducting without the need for adaptors, the unit incorporates independent fan adjustment for straightforward commissioning.

Intelligent Controls

The energisava® 325 comes with an LED status indicator displaying what mode the unit is operating in, including a filter and fault indicator. The Boost Alert function on the display is a timer designed to prevent the unit from being accidentally left in Boost mode for long periods of time. Once the unit is placed in Boost the timer is activated and after 2 hours the LED on the display will start to flash, notifying the user to switch off the Boost.



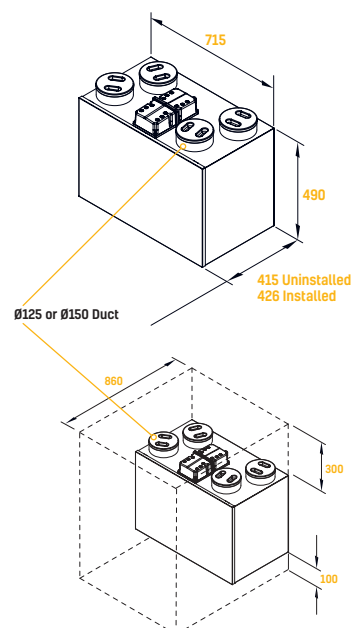
Summer Bypass

The energisava® 325 incorporates a fully automatic 100% airflow diverting Summer Bypass to operate during hot periods. This routes the pre-heated extracted air around the heat cell and out to atmosphere, allowing the cooler, fresh air to be supplied directly into the property. A Summer Kickup Mode is also available which allows both the supply and extract fans to operate at full speed whenever the Summer Bypass is activated. During cold weather, the automatic Frost Protection reduces the supply ventilation rate to prevent ice buildup within the heat cell.

Integral Humidity Sensor

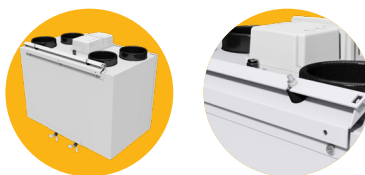
The unit runs continuously 24 hours a day and incorporates an integral humidity sensor which monitors the relative humidity (RH) of the extracted air. Triggers Boost speed when it rises over the set trigger point, variable from 55% RH to 85% RH and will adjust the fan speed in proportion to a rise and fall in relative humidity.

Dimensions (mm)



AV Mounting Kit

Anti-Vibration (AV) Mounts have been specifically designed to isolate the unit from the wall to further reduce any low levels of vibration induced noise from being transmitted to the mounting structure.



Technical Specification

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

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 will adjust the fan speed in proportion to a rise and fall in relative humidity. 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% grade filters shall be fitted as standard. ISO Coarse 65% 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.



SAP Appendix Q Performance

The figures and compliance levels below relate to current SAP requirements. Revised SAP guidance will have an effect on performance and up-to-date figures can be found on the relevant product page at www.envirovent.com.

Exhaust Terminal Configuration - Kitchen + Additional Wet Rooms	Fan Speed Setting	Specific Fan Power (W/l/s)	Heat Recovery Efficiency (%)
Kitchen + 1 additional wet room	100% Variable	0.60	91
Kitchen + 2 additional wet rooms	100% Variable	0.62	90
Kitchen + 3 additional wet rooms	100% Variable	0.72	89
Kitchen + 4 additional wet rooms	100% Variable	0.88	88
Kitchen + 5 additional wet rooms	100% Variable	1.06	87
Kitchen + 6 additional wet rooms	100% Variable	1.30	87

Figures taken from the BRE Test Results

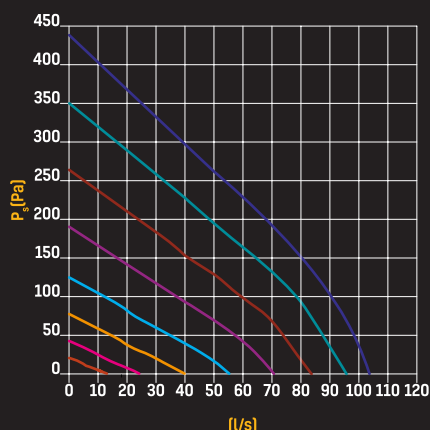
*Number of wet rooms is based on SAP Q test criteria and does not correlate directly with regulatory performance requirements.

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

For full frequency acoustic data at various speeds please see www.envirovent.com. All acoustic data is third party tested at Sound Research Laboratories (SRL) Ltd.

Performance Curve



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

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and sustainable ventilation

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