

System 4 Mechanical Ventilation with Heat Recovery (MVHR)

All HRXE-ZEUS models have been designed with 100% automatic bypass, listed on the SAP Product Characteristics Database (PCDB).

The HRXE-ZEUS range operate by continuously extracting moisture-laden air from 'wet' rooms within the property whilst simultaneously drawing in fresh, filtered supply air from outside.

The heat from the extracted stale air is recovered via a heat exchanger inside the heat recovery unit which becomes tempered and filtered, before supplied into the habitable rooms, creating comfortable and well-ventilated homes.



Key features

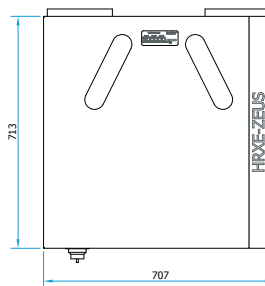
- ▶ The heat exchanger block within these units can recover up to 95% of the normally wasted heat. The two independent fans have full-speed control for background and boost ventilation rates.
- ▶ The HRXE-ZEUS range has a summer bypass function. In warmer months this function automatically activates to ensure the property is being well-ventilated and comfort levels are maintained in the home by continuously drawing in fresh filtered air into the habitable rooms.
- ▶ Due to its intelligent design, there will be no reduction in airflow when operating in bypass mode resulting in enhanced performance.
- ▶ Designed to provide optimized balanced (supply and extract) mechanical ventilation with heat recovery, listed on the PCDB.
- ▶ Weight: 45kg

Code	Description
HRXE-ZEUS	Standard unit with 100% bypass
HRXE-ZEUS-H	Standard unit with 100% bypass and integral humidistat
HRXE-ZEUS-OP	Opposite handed unit with 100% bypass
HRXE-ZEUS-OPH	Opposite handed unit with 100% bypass and integral humidistat

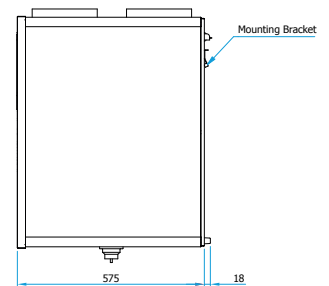
Dimensions (mm)



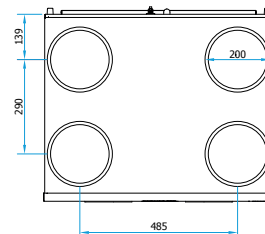
Front View



Side View



Top View



Accessories

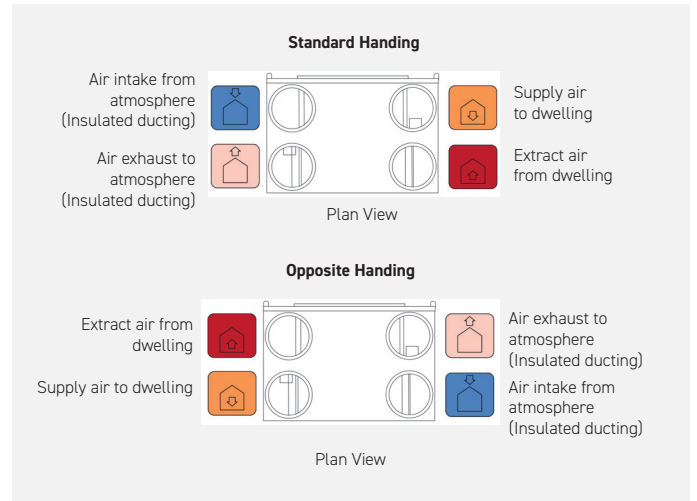
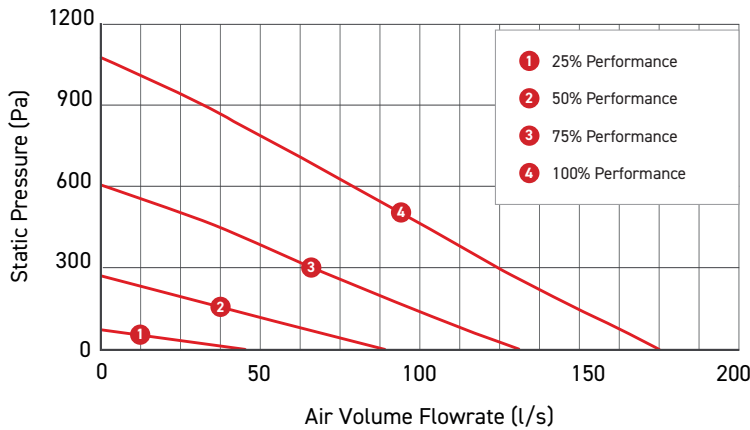
Code	Description
HRXE-ZEUS-AV	Anti-Vibration tray suitable for all HRXE-ZEUS models
297	Condensation Drain Kit for all HRXE-ZEUS models
SPR459	Replacement filters (Pair)

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Performance



HRXE-ZEUS PRODUCT CHARACTERISTICS DATABASE (SAP 2012 TEST RESULTS)

Application	Specific Fan Power (W/l/s)	Heat Exchange Efficiency	Energy Saving Trust Best Practice Compliant
Kitchen + 1 Wet Room	0.62	94%	Yes
Kitchen + 2 Wet Rooms	0.62	93%	Yes
Kitchen + 3 Wet Rooms	0.66	93%	Yes
Kitchen + 4 Wet Rooms	0.79	92%	Yes
Kitchen + 5 Wet Rooms	0.94	91%	Yes
Kitchen + 6 Wet Room	1.15	91%	Yes
Kitchen + 7 Wet Room	1.41	91%	Yes

ACOUSTIC PERFORMANCE

Curve	Max power consumption (Watts)		Sound Power Levels dB re 1pW (Frequency Hz)								dBA @3m
			63	125	250	500	1k	2k	4k	8k	
1	5.3	Open inlet	41	42	29	31	27	17	<16	<16	17
		Open outlet	46	53	39	44	37	30	16	<16	
		Breakout	42	49	37	32	28	16	<16	<16	
2	42	Open inlet	42	44	36	36	31	24	<16	<16	22
		Open outlet	48	55	47	48	42	37	25	<16	
		Breakout	45	51	44	37	31	21	<16	<16	
3	142	Open inlet	45	49	48	45	39	35	22	<16	31
		Open outlet	53	60	60	57	51	50	41	34	
		Breakout	52	57	56	46	38	31	19	<16	
4	335	Open inlet	51	54	55	56	48	43	33	25	40
		Open outlet	59	64	64	70	60	58	52	47	
		Breakout	61	61	60	59	46	38	30	20	

The maximum power consumption shown above (Watts) is consumed on units running continuously, not taking into account any heat recovery saving and based on SAP Product Characteristic Database (PCDB) testing. The breakout case-radiated dBA values are given for Hemispherical free field radiation at 3m - to obtain the Spherical radiated data, subtract 3 dBA.

Please note: Sound data is provided at a particular duty point for 25%, 50%, 75% and 100%. For accurate sound data at a specific speed duty, please call the office on 03443 715 523.

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