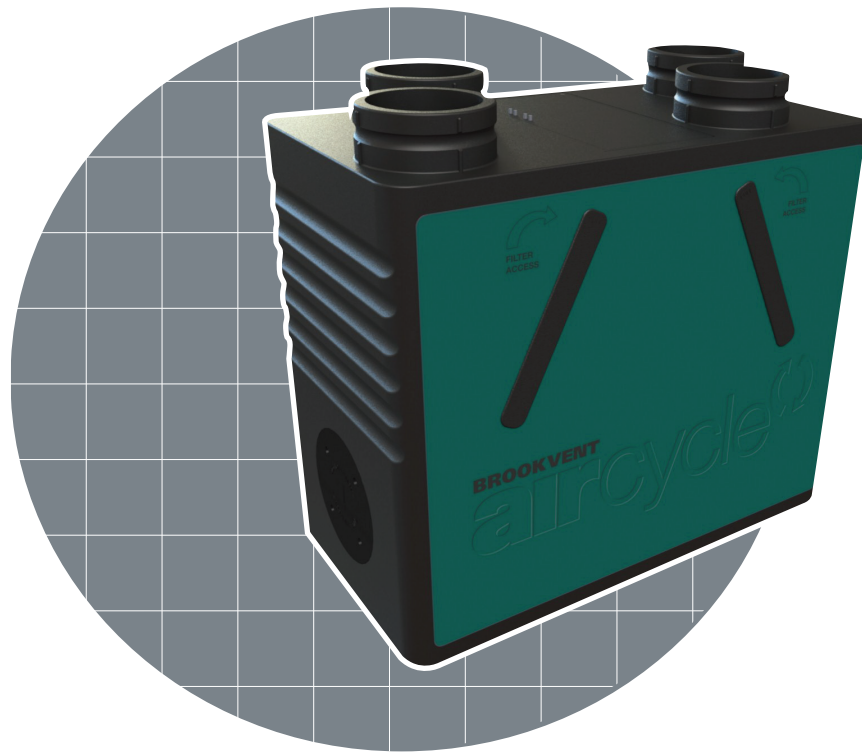


Market Leading Heat Recovery Ventilation



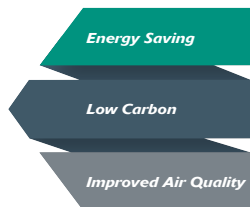
VTC 1.2 Lite

Get In Touch

 Call: [0845 6880112](tel:08456880112)
 Email: info@adremit.co.uk

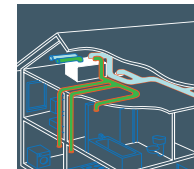
Our Address

Puravent, Adremit Limited, Unit 5a, Commercial Yard,
Settle, North Yorkshire, BD24 9RH



VTC 1.2 Lite

SPECIALLY DESIGNED FOR APARTMENTS AND SMALL HOUSES WHERE SPACE CAN BE LIMITED.



UP TO 93% HEAT RECOVERY EFFICIENCY.

DOWN TO 0.53 W/L/S SPECIFIC FAN POWER.

Combining market leading heat exchange efficiency with extremely low energy usage, the VTC 1.2 Lite provides superior air comfort levels whilst minimising heat wastage.

SUPERIOR AIR QUALITY

The VTC 1.2 Lite operates by recovering heat from air that would normally be expelled into the atmosphere. This heat is transferred to fresh air drawn into the property, which is then filtered and distributed throughout.

The VTC 1.2 Lite can significantly reduce the space heating bill of a domestic dwelling, whilst also delivering a healthier and more comfortable environment for the occupier. The VTC 1.2 Lite eliminates many issues caused by poor indoor air quality within the home such as condensation and the resultant formation of 'black mould'. Additionally, the advanced air filtration system ensures the home environment is much more conducive to allergy and asthma sufferers alike.

HIGH PERFORMANCE IN A COMPACT PACKAGE

Despite its size, the VTC 1.2 Lite is one of the best performing Heat Recovery Ventilation units in its class and is both **SAP Appendix Q Approved** and **Energy Savings Trust 'Best Practice'** compliant. Its efficient performance significantly contributes to lower Dwelling Emission Rates (DER's) in SAP and is suitable for use in homes being built to levels 3,4,5 and 6 of the Code for Sustainable homes.

AUTOMATIC CLIMATE REGULATION

Sophisticated in-built technology enables the unit to respond intuitively to a range of internal and external temperature changes. The VTC 1.2 Lite offers in-built **automatic frost protection** and **humidity controls** that respond to extreme cold spells and changes in humidity within the dwelling.

The VTC 1.2 Lite also has the option of being supplied complete with a unique in-built 'Tempering' Summer Bypass suitable for warmer regions. Unlike most other Heat Recovery Units which offer simply a 100% Summer Bypass at a defined temperature, the **'Tempering' Summer Bypass** operates on a linear scale between 20 Degrees Celsius (No Summer Bypass) and 27 Degrees Celsius (Full Summer Bypass). This gradually increases the amount of air directed around the Heat Recovery Core ensuring the delivery of a comfortable indoor environment for the occupier.

VENTILATION SIMPLICITY

The VTC 1.2 Lite succeeds in making Heat Recovery Ventilation Installation much simpler. Supplied complete with a flying lead, the unit can be easily connected to a power supply. **100% variable fan speed** ensures precise commissioning through independent fan adjustment. Maintenance has also been made much simpler with the only requirement being a regular filter change (every 9-12 months). The filters on the new VTC 1.2 Lite can be quickly and easily accessed via the airtight tabs on the front of the unit.

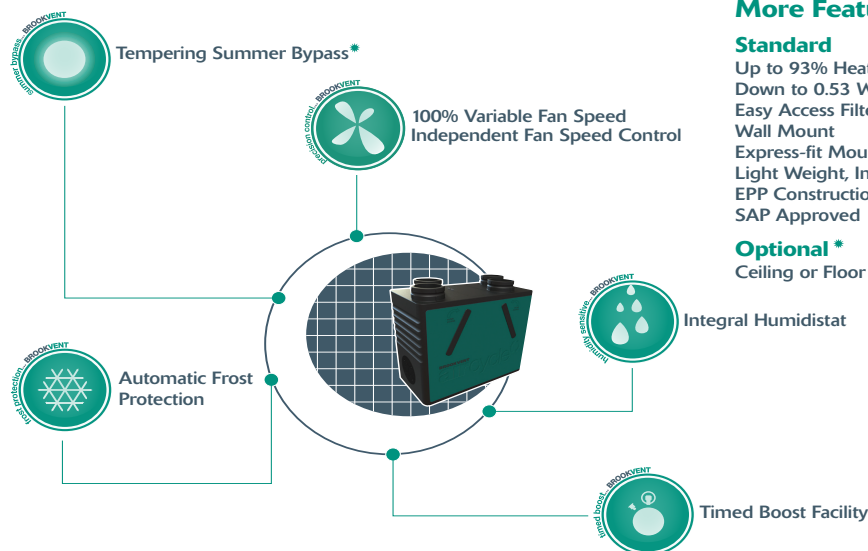
More Features

Standard

- Up to 93% Heat Efficiency
- Down to 0.53 W/L/S SFP
- Easy Access Filters (G2/3)
- Wall Mount
- Express-fit Mounting Bracket
- Light Weight, Impact Resistant
- EPP Construction
- SAP Approved

Optional *

- Ceiling or Floor mount



A range of compatible ducting and ancillaries are also available. Please enquire for further details.



Get In Touch

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 Email: info@adremit.co.uk

Our Address

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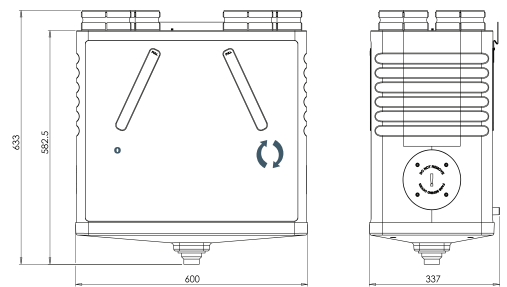


SPECIFICATION

Dimensions	583mm x 600mm x 337mm
Weight	10kg
Materials	Main enclosure: Impact Resistant EPP (Expanded Polypropylene) PCB Enclosure: Nylon 6 V0 Drainage Tray: HIPS Filters: Polyester Media (G2/3) Mounting Bracket: Zinc Plated Steel
Electrical	240V EC EC Low Energy Fans Supplied with a flying lead
Controls	Extremely efficient in-built control board (SAP Q Approved) Independent Fan Speed Control (Trickle and boost settings for each fan) Single 240v boost input (Light Switch, Humidistat, PIR, etc) 15 Min Over-run In-built Humidity Sensor (Boost activation) Variable: 60% - 90% RH, Factory Set: 70% Frost Protection, Variable Activation: 0 - 10 Degrees Cel., Factory Set: 5 Degrees Cel. Optional 'Tempering' Summer Bypass (Variable between 20 and 27 Degrees Cel.)
Installation	Wall mount. Ceiling and Floor mount versions are also available.
Standards	Fully complies with Building Regulations for UK & Ireland SAP Q Approved Energy Savings Trust Best Practice CE
Specific Fan Power:	From 0.53 w/l/s
Heat Recovery Efficiency:	Up to 93% Efficiency
Guarantee Period:	5 Years

SAP APPENDIX Q: APPROVED RESULTS

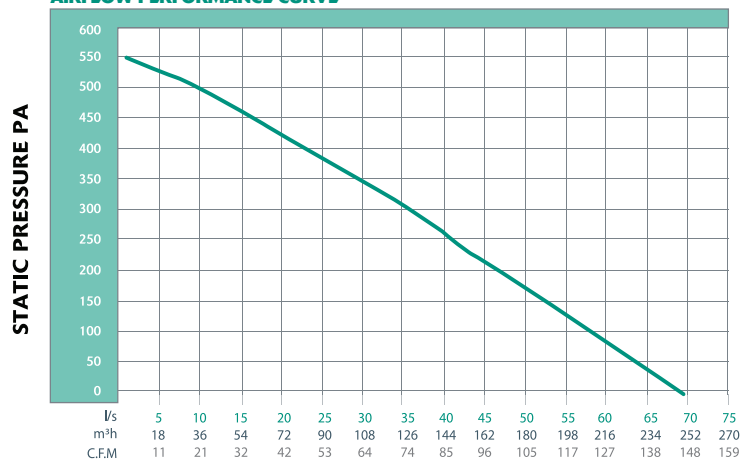
Configuration	Specific Fan Power (W/l/s)	Heat Exchange Efficiency (%)
Kitchen + 1 Wet Room	0.53	93
Kitchen + 2 Wet Rooms	0.57	91
Kitchen + 3 Wet Rooms	0.67	90
Kitchen + 4 Wet Rooms	0.82	89
Kitchen + 5 Wet Rooms	0.97	88
Kitchen + 6 Wet Rooms	1.16	87



ACOUSTIC PERFORMANCE

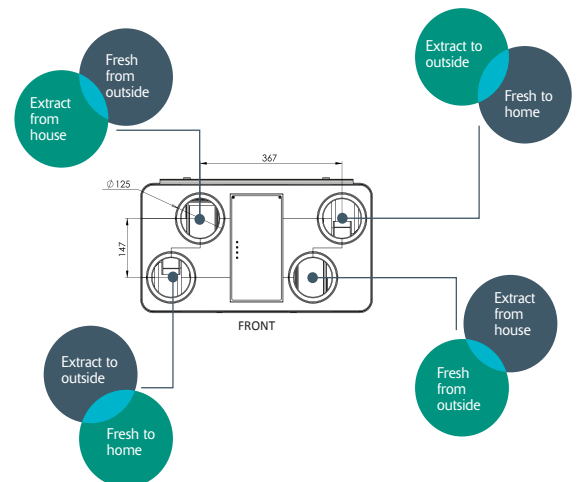
Speed	Configuration	Airflow l/s	Pressure Pa	LF (MAX)								Overall Lw	Overall Lwa	Casing Breakout dBA @ 3M
				125	250	500	1000	2000	4000	8000				
Speed 1	Open Supply Duct	16	6	32.3	32.7	36	37.8	28.5	21.9	19.2	37	31	10	
	Open Extract Duct	17	2	30	26.9	30.7	33.2	25.4	19.2	18.1	34	28		
	Breakout	19	4	27.4	26	32.6	30.5	29.6	22.1	19.6	34	28		
Speed 2	Open Supply Duct	28	12	28.2	39.2	52.5	50.1	42.4	33.9	24.7	49	44	19	
	Open Extract Duct	29	10	31.7	29.7	47.3	40	33.3	28	22.2	41	34		
	Breakout	31	9	30.8	33.6	46.4	46.8	34	27.4	21.4	43	37		
Speed 3	Open Supply Duct	38	18	33.8	40.8	56.7	55.8	51.7	42.6	30.3	56	46	24	
	Open Extract Duct	42	25	37.8	34.3	50.6	49.1	34.9	34.2	24.8	48	41		
	Breakout	42	16	28.7	33.3	50.3	46.2	40.4	33.8	25.4	48	41		
Speed 4	Open Supply Duct	49	31	48.3	44.8	61.3	64.5	56.9	50.3	39.9	64	55	32	
	Open Extract Duct	53	43	45.9	36.2	52.4	59.9	36.5	40.1	26.2	54	50		
	Breakout	54	30	49.1	35.3	54.1	56.2	47	40.6	35.1	56	50		
Speed 5	Open Supply Duct	66	40	43.6	47.6	60.4	66.2	63.4	54.2	45.7	64	58	33	
	Open Extract Duct	60	55	42	40.5	56.1	58.8	43.2	41.7	39.2	60	51		
	Breakout	66	40	36.9	35.7	57.4	60.5	52.9	45.4	40.4	60	51		

AIRFLOW PERFORMANCE CURVE



■ vol 100%

- Standard Configuration
- Inverted Configuration



systemair

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