

VIGO 550A



Mechanical Ventilation with
Heat Recovery Unit



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APPLICATION

A continuously running Mechanical Ventilation with Heat Recovery (MVHR) system simultaneously extracts air from “wet” rooms while supplying fresh, filtered air to the “habitable” rooms in a home. MVHR is widely recognised as the very best method of ventilating modern new build or re-furbished, energy efficient homes.

At the heart of any good MVHR system there has to be a very good MVHR unit. The **VIGO 550A** is such a unit. In fact, without wishing to sound conceited, we think it is peerless. It is highly efficient, ultra quiet and flexible with a range of control and indication features second to none. The unit’s integral, counterflow high efficiency heat exchanger, with bypass facility operated automatically by integral sophisticated controls, provides warm or cool, filtered fresh air as required to help maintain the internal environmental conditions selected by the occupants.

OPERATION / CONTROL

The **VIGO 550A** MVHR unit is a highly flexible unit which can be set to operate in various operating modes to suit the individual requirements of each project.

Commissioning, control and indication functions include:

- 3 Airflow speed settings (each fully adjustable).
- Boost option.
- Holiday mode.
- Night mode.
- Airflow “handing”.
- Airflow balancing.
- Automatic heat exchanger bypass facility.
- Filter replacement, fan failure and bypass activated mode indication.
- Working hour counter.
- Setting saving and loading facility.
- Volt free contacts for remote ambient sensors.
- BMS connection control facility.
- Integral switched live terminal for boosting from remote switch.

The unit can also be provided with automatic humidity control if required.

FEATURES / BENEFITS

Aesthetically pleasing White powder coated metal outer casing.

Electronic “handing” function aids installation and avoids unsightly duct connections. See opposite for more information.

Robust and efficient EPP internal structure to reduce sound emissions, maximise air tightness and improve thermal and electrical efficiency.

Comfort and heat recovery optimisation Intelligently controlled automatic summer/winter bypass facility.

Regulatory Compliant Complies with the requirements of all UK Building Regulations and also with NHBC Chapter 3.2 user control and indication requirements.

Independently tested by BRE See opposite for more information.

User control and indication Panel with LCD readout which can be mounted adjacent to or remote from the unit.

Air filtration F7 air supply filter and G4 grade extract air filter.

Automatic frost protection Prevents freezing within the unit.

Double condensate holes For heating and cooling condensate drainage.

Rigorously tested to relevant standards Each unit is tested in our factory.

Warranty Each **VIGO 550A** has a 5 year warranty as standard*.

ULTRA QUIET
EXCEPTIONALLY GOOD INDOOR AIR QUALITY
HEAT AND COOLTH RECOVERY
HIGHLY FLEXIBLE
VARIOUS CONTROL OPTIONS



PERFORMANCE DATA

Model	Air flow L/s max	Power W max	SFP W/(L/s)	Sound Pressure dB(A) @3m	Heat Exchange Efficiency %	Ambient Temperature °C max
VIGO 550A	152	342	0.56	34	93.0	40

550V. 50Hz. Air performance measured according to ISO 5801. Thermal efficiency and air-tightness details have been measured at BRE independent laboratory. Sound pressure level at 3m in free field, 40% speed.

BRE TEST RESULT

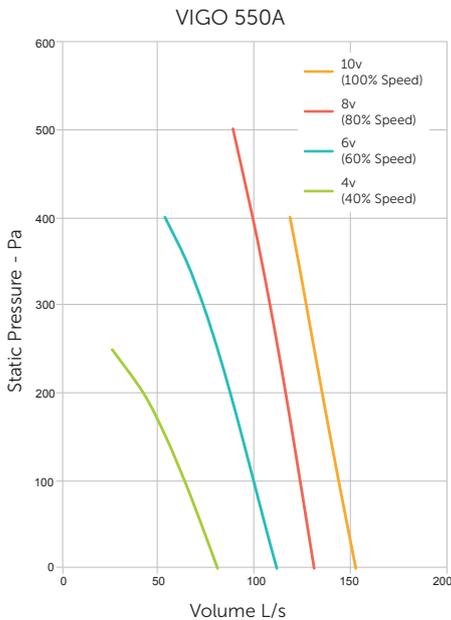
Kitchen + n Wet Rooms	Flow Rate L/s	SFP W/(L/s) (2009)	Efficiency (%) (2009)	Flow Rate L/s	SFP W/(L/s) (2012)	Efficiency (%) (2012)
n = 1	15	0.57	93	21	0.56	93
n = 2	21	0.51	93	29	0.58	93
n = 3	27	0.52	93	37	0.63	91
n = 4	33	0.58	92	45	0.74	91
n = 5	39	0.65	91	53	0.87	90
n = 6	45	0.72	91	61	1.04	89
n = 7	51	0.83	90	69	1.22	89

The NCM (SAP) identifier for this product is:

Technology Type Ventilation, **Technology Category** MVHR, **Brand Name** Elta Fans, **Model Name** VIGO 550.

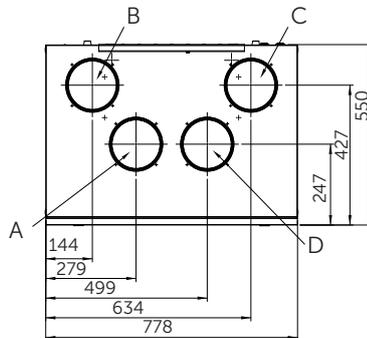
ENERGY RATING: A

PERFORMANCE CURVE



DIMENSIONAL DATA & SPIGOT HANDING

Dimensions in mm

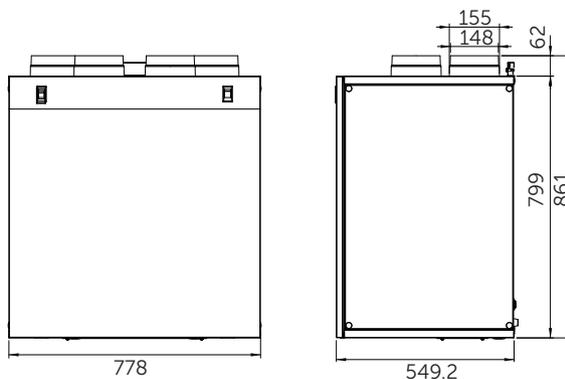


Spigot	Left Handed	Right Handed
A	Intake from outside	Extract from home
B	Exhaust to outside	Supply to home
C	Supply to home	Exhaust to outside
D	Extract from home	Intake from outside

CONTROL PANEL



The **VIGO 550A** is supplied with a control panel providing full commissioning, control and indication functions.



A full range of ancillaries and ducting are available for this product. Please contact us for more details.

SOUND DATA

Product Code	Configuration		Sound Power Level dBW @ Octave Band Hz								dBA @ 3m	
			63 Hz	125 Hz	250 Hz	500 Hz	1k Hz	2k Hz	4k Hz	8k Hz		Total
Vigo 550A	10V (100% Speed)	Extract from home	77	72	69	74	58	50	39	35	80	51
		Exhaust to outside	83	81	76	85	72	63	55	54	88	62
		Intake from outside	79	72	68	70	57	49	38	35	80	48
		Supply to home	85	82	76	88	72	65	60	67	91	65
		Break Out	64	63	63	74	62	56	45	33	75	51
	8V (80% Speed)	Extract from home	73	69	65	71	54	44	32	28	76	48
		Exhaust to outside	80	80	74	82	70	61	55	57	86	59
		Intake from outside	76	69	68	67	56	48	38	35	78	46
		Supply to home	80	78	77	83	65	58	53	60	86	60
		Break Out	65	62	62	71	60	53	43	31	73	48
	6V (60% Speed)	Extract from home	66	66	72	68	49	38	25	20	75	47
		Exhaust to outside	76	76	77	75	64	55	50	47	82	54
		Intake from outside	76	69	68	67	56	48	38	35	78	45
		Supply to home	74	73	76	65	56	50	47	55	79	49
		Break Out	57	57	69	61	52	46	35	27	70	42
	4V (40% Speed)	Extract from home	62	61	60	52	38	27	16	16	66	33
		Exhaust to outside	68	70	72	61	53	45	36	29	75	44
		Intake from outside	61	62	61	52	40	32	24	20	66	34
		Supply to home	65	71	66	56	46	40	28	23	73	40
		Break Out	52	54	61	52	44	37	28	23	63	34



Homevent offer a full range of ventilation services and products for new and existing homes. Our experienced staff are trained specifically to provide outstanding levels of technical competence and customer service to customers.

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Our 5 year warranty is provided only to customers who purchased directly from us. If you purchased elsewhere then please contact them directly and they will let you know their warranty procedure. Our warranty covers repair or replacement of defective goods only. It does not cover any labour costs associated with defective product or component removal or installation, nor does it cover the cost of sending goods back to us for inspection. Our warranty is subject to storage, installation, commissioning, inspection and maintenance having been carried out in accordance with our Installation and Maintenance Instructions (supplied with each product) and which are also available to view, save or print from our website.

Homevent is a division of Elta Fans Ltd and has a policy of continuous product development and improvement and therefore reserves the right to supply products which may differ from those illustrated and described in this publication.

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