

VIGO 350A

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-furnished, energy efficient homes.

At the heart of any good MVHR system there has to be a very good MVHR unit. The **VIGO 350A** 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 350A** 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 G4 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 350A** 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 350A	96	322	0.98	32	89.0	40

350V, 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

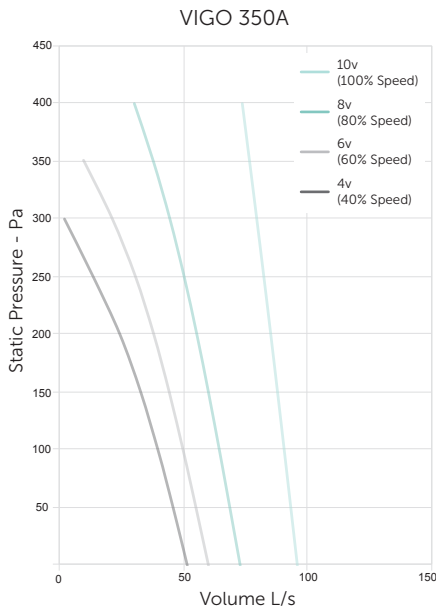
Kitchen + n Wet Rooms	Flow Rate L/s	SFP W/(L/s) (2009)	Efficiency (%) (2009)	Flow Rate L/s	SFP W/(L/s) (2012)	Efficiency (%) (2012)
n = 1	15	0.91	89	21	0.98	89
n = 2	21	0.96	89	29	1.15	88
n = 3	27	1.07	88	37	1.42	87
n = 4	33	1.28	87	-	-	-

The NCM (SAP) identifier for this product is:

Technology Type Ventilation, **Technology Category** MVHR, **Brand Name** Elta Fans, **Model Name** VIGO 350.

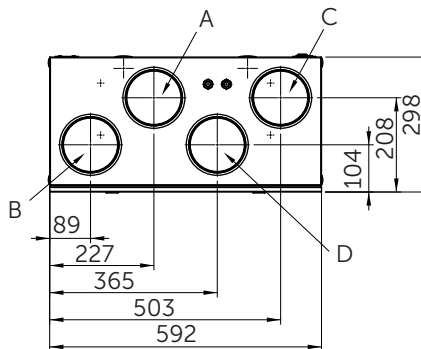
ENERGY RATING: A

PERFORMANCE CURVE



DIMENSIONAL DATA & SPIGOTS HANDING

Dimensions in mm

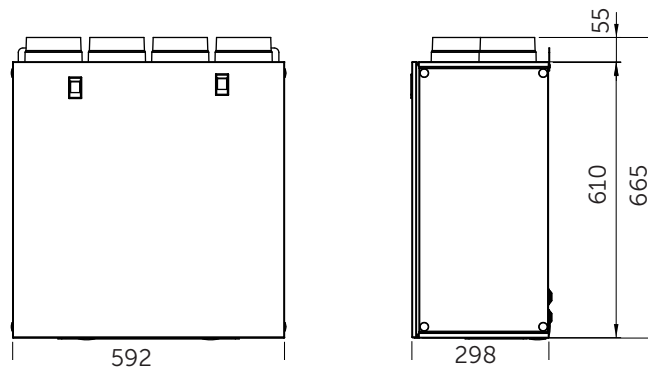


Spigot	Left Handed	Right Handed
A	Intake from outside	Extract from home
B	Exhaust to outside	Supply to home
C	Supply to home	Exhaust to outside
D	Extract from home	Intake from outside

CONTROL PANEL



The **VIGO 350A** 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								Total	dBA @ 3A
			63 Hz	125 Hz	250 Hz	500 Hz	1k Hz	2k Hz	4k Hz	8k Hz		
Vigo 350A	10V (100% Speed)	Extract from home	82	80	74	71	61	50	40	35	85	51
		Exhaust to outside	84	84	78	78	75	66	58	54	88	59
		Intake from outside	84	80	74	68	64	50	41	36	86	50
		Supply to home	84	82	78	78	72	65	57	58	87	58
		Break Out	68	65	64	64	59	57	50	37	72	45
	8V (80% Speed)	Extract from home	78	77	71	67	58	47	36	31	81	47
		Exhaust to outside	82	82	76	76	71	64	55	51	86	56
		Intake from outside	81	77	71	66	60	47	38	32	83	47
		Supply to home	79	78	74	75	67	60	52	48	83	54
		Break Out	59	61	60	60	55	53	46	32	67	41
	6V (60% Speed)	Extract from home	74	71	68	66	52	40	27	23	77	45
		Exhaust to outside	78	78	72	72	64	57	47	41	82	51
		Intake from outside	75	70	66	62	53	39	29	23	77	42
		Supply to home	77	76	70	69	63	54	44	39	80	49
		Break Out	57	59	58	58	50	47	38	27	64	37
	4V (40% Speed)	Extract from home	72	64	69	55	45	29	21	21	74	41
		Exhaust to outside	74	73	69	63	55	47	34	29	77	44
		Intake from outside	74	67	65	54	48	31	23	2	75	38
		Supply to home	73	70	69	61	53	44	31	25	76	43
		Break Out	53	54	59	48	44	38	29	25	61	32

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*First year of warranty covers parts and labour. Following this period the warranty covers replacement parts only. Warranty is subject to inspection and maintenance having been carried out in accordance with our literature and terms and conditions of sale. Proof of purchase, periodic inspection and maintenance will be required in the event of any warranty claim.

Elta Fans Limited 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. Confirmation of dimensions and data will be supplied on request.

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