

Lo-Carbon Response

dMEV Unit

Features & Benefits

- Recognised in SAP Appendix Q
- Constant volume
- Display showing airflow and system pressure (Patent pending)
- Switched live connection for external switches/sensors
- 220-240V input
- 6l/s or 8l/s trickle speed selection
- 13l/s boost speed
- IPX4 rated
- Multi-orientation grille – grille can be rotated by 90/180 degrees to suit ceiling configuration requirements
- New comfort control option (patent pending)

Lo-Carbon Response

Continuous running, constant volume dMEV unit with switched live (LS) and innovative digital display. Quiet running and with high pressure development, the Response is best in class.

The New Response fan from Vent-Axia

Following the introduction of the new Domestic Ventilation Compliance Guide within Part F 2010, and the requirement to test the installed airflow of extract fans, the new Response fan from Vent-Axia provides the easiest install available.

The unique display (patent pending) provides the calibrated installed airflow and pressure of the installation meaning that there is no need to test the installation with an airflow measuring device.

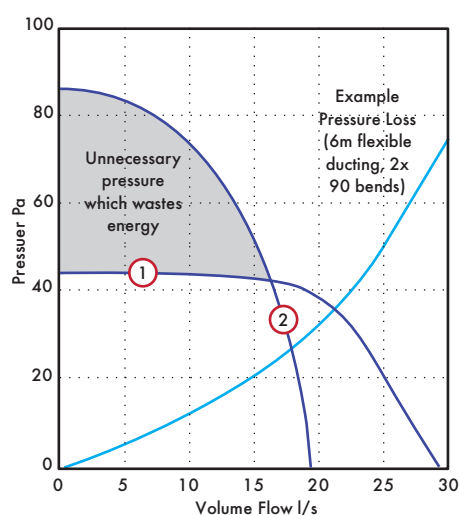
The constant volume technology automatically adjusts the speed of the fan to ensure the desired airflow is delivered. With the new silent higher pressure axial impellor this can meet the requirements of many domestic installations without the need to use a centrifugal fan.

Axial, rather than centrifugal?

Using the new high pressure silent axial impellor has enabled the fan to not only develop great installed performance over duct runs, but to do it in the most energy efficient way. Response can provide excellent pressure whilst still maintaining the energy efficiency and not wasting energy on high pressure at low air volumes.

Configuration	Location	Alternative Centrifugal Fan SFP	Vent-Axia Response SFP	Saving
In room	Kitchen	0.38	0.17	55%
	Wet Room	0.29	0.18	38%
Through Wall	Kitchen	0.36	0.13	64%
	Wet Room	0.28	0.15	46%

Existing centrifugal fans often develop pressure but the actual installed air flows can mean that the pressure is of no use as the airflow falls below the requirement. This enables the fan to save up to 64% of the specific fan power (SFP) of the SAP Appendix Q data for existing centrifugal alternatives.



- ① Vent-Axia Lo-Carbon Response Fan
- ② Competitor Product

Side view of airflow display



Be confident that the Response is delivering the right performance with our innovative digital display showing the airflow and system pressure of the installed product.

SAP Appendix Q Performance

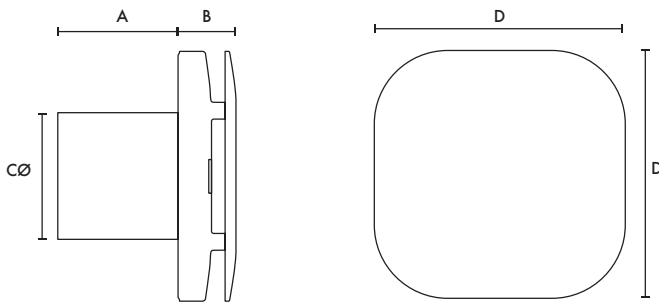
Unit		
Configuration	Location	SFP (W/l/s)
In room (rigid duct)	Kitchen	0.17
In room (rigid duct)	Wet Room	0.18
In room (flex duct)	Kitchen	0.17
In room (flex duct)	Wet Room	0.16
Through wall	Kitchen	0.13
Through wall	Wet Room	0.15

Model

Model	Stock Ref
Response dMEV	404535
Response TP	404876
Response Fan HTP	404877
Response Fan SELV TP	404878
Response Fan SELV HTP	404879

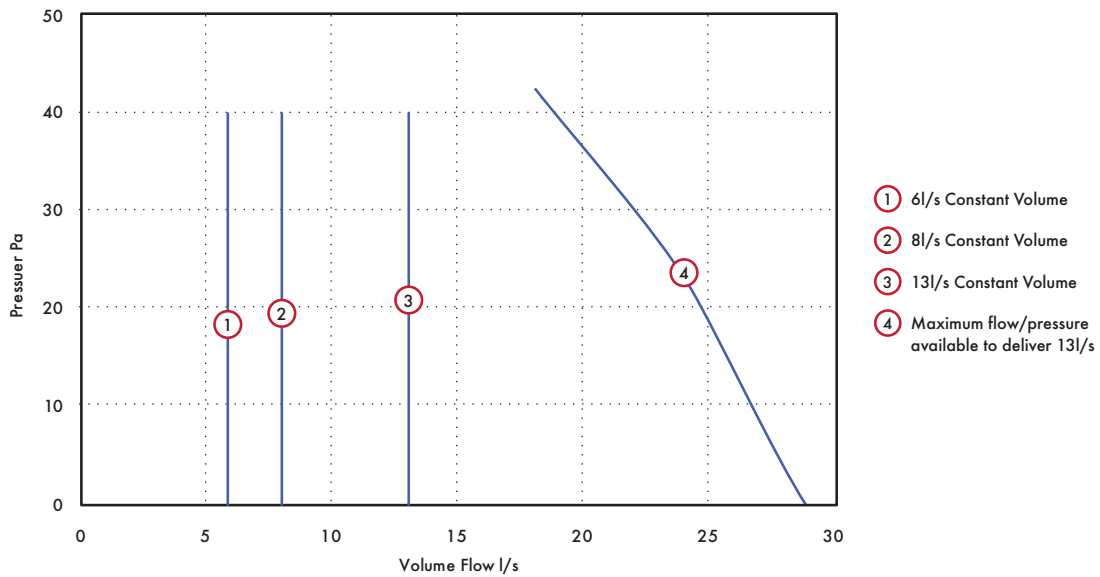


Dimensions (mm)



A	B	CØ	D
90	45	99	190

Performance Curve



Performance Curve

Model	Extract Performance l/s (m ³ /h) - FID				Watts				dB(A) @ 3m		
	Trickle Low	Trickle High	Boost	Max	Trickle Low	Trickle High	Boost	Max	Trickle Low	Trickle High	Boost
Lo-Carbon Response	6 (21)	8 (29)	13 (43)	29 (104)	1.0	1.2	1.7	6.2	12	17	32.5