Lo-Carbon MVDC-MS/MSH Multivent

- Recognised in SAP PCDB with best in class Specific Fan Power
- Reduces your carbon footprint
- Fitted with four extract 125 diameter spigots allowing quick connection to ducts
- Complies with Building ADF (System 3)
- Option of wall, ceiling and loft mounting
- Improved controllability
- Switched Live Boost connection
- Fully variable normal and boost speeds
- Ultra quiet - acoustically lined for low noise levels
- Integral humidistat (H version)

With growing concerns about accurate ventilation of properties, the Lo-Carbon Multivent MVDC range offers the option of 'Close Control' both in the residential and the commercial sectors. With a DC motor the multi speed Lo-Carbon Multivent is one of the most efficient central extract units available.

The units have two fully variable speeds for trickle and boost, with a switched live (LS) activation for the boost speed. An additional third speed (purge) is available using a second switched live connection.

The potentiometer controlled speed selector allows accurate setting of airflow, ensuring exactly the right ventilation rate. This feature also reduces noise, and energy consumption.

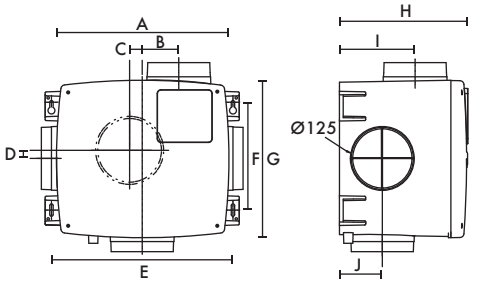
Models

Model	Stock Ref
MVDC-MS	437634
MVDC-MSH	443298

SAP PCDB Test Results

Exhaust Terminal Configuration	Total Flow Rate	SFP (W/l/s)
K + 1	21	0.16
K + 2	29	0.15
K + 3	37	0.17
K + 4	45	0.20
K + 5	53	0.24
K + 6	61	0.28

Dimensions (mm)



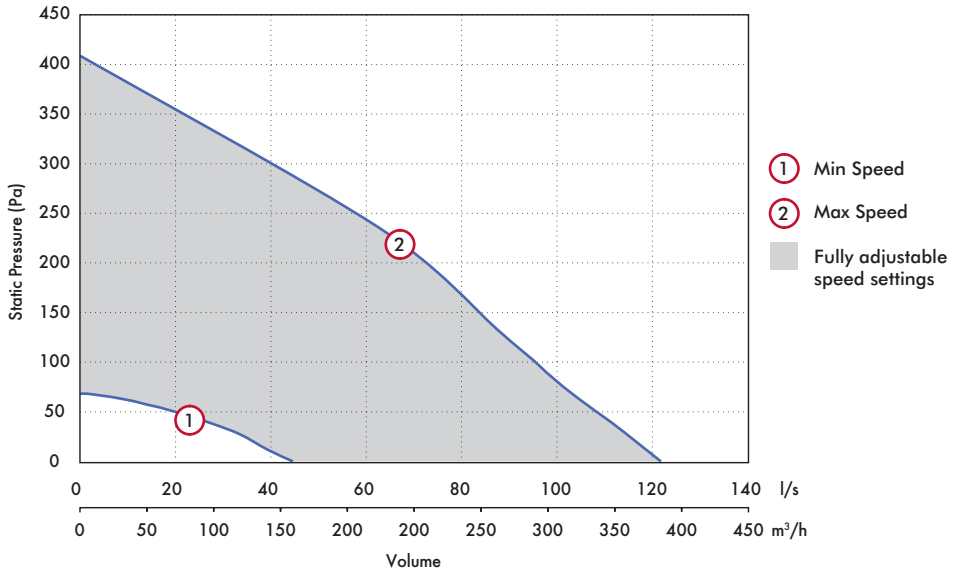
A	B	C	D	E	F	G	H	I	J
340	72.5	25	15	360	214	310	249	150	85

Weight: 5.50kg

Vent-Axia

Performance Guide

MVDC-MSH features an integral humidistat which triggers the unit to boost when humidity levels in the duct system exceed 70%.



	Min				Max					
Model	Casing Breakout dB(A) @ 3m	Inlet Duct dB(A)	FID l/s	Power Watts	Casing Breakout dB(A) @ 3m	Inlet Duct dB(A)	FID l/s	Power Watts	SEC Class	SEC Class (inc. LDC)
MVDC-MS	19	18	43	6	37	38	121	45	E	B
MCDC-MSH	19	18	43	6	37	38	121	45	E	B

Sound Data

			Induct sound power levels dB								dB(A)
Model	Test mode	Speed %	63	125	250	500	1K	2K	4K	8K	@ 3m
MVDC-MS/ MSH	Exhaust	20	62.3	45.9	41.7	37.9	30	21.3	18.1	22.8	21.1
	Inlet		34.2	36.3	42.1	29.7	26.1	23.1	17.4	22.4	18.1
	Breakout		38.4	33.8	38.2	31.7	23.2	18.8	17.6	22.5	12.9
	Exhaust	40	67.7	56	49.7	44.3	38.9	27.9	21.2	24.6	29.0
	Inlet		47.2	41.1	42.6	38.9	34.6	26.8	17.5	22.4	22.6
	Breakout		51	42.2	49.5	38.3	28.9	22	17.8	22.5	21.8
	Exhaust	60	67.1	60.5	62.4	55.5	49.5	42.5	27.7	26.1	39.9
	Inlet		45.9	51.1	49.7	48.2	42.2	35.7	19.2	22.7	30.9
	Breakout		48.7	54.1	51.4	47	34.5	32.1	20.2	22.7	26.8
	Exhaust	80	63.8	66.8	66	61.3	56.8	50.3	38.7	33.3	45.4
	Inlet		50.3	55.6	53.9	54.5	48.2	40.3	24.9	24.1	36.6
	Breakout		52.3	52.8	57	53.3	41.2	36.7	27.2	23.1	32.4
	Exhaust	100	68.3	74.7	69.1	69.8	62.7	56.4	46.4	40.4	52.0
	Inlet		53.3	59.5	58.9	58.6	52	44.8	30.8	27.4	40.8
	Breakout		60	57.6	61.2	58.1	45.6	40.9	33	24.3	37.0

Tested according to BS EN 13141-6:2010. Breakout quoted spherical. Supply and Extract quoted hemispherical.