

Lo-Carbon Sentinel Kinetic® Plus MVHR Unit

Features & Benefits

- Recognised in SAP Appendix Q
- Ultra quiet
- Horizontal duct option for space-saving installations
- High airflow, ideal for student accommodation clusters
- Unique folding filter for removal when access is restricted
- Integrated digital controller for simple and accurate commissioning
- Lightweight for easy installation
- Plug and play controls; Humidistat, Ventwise, Wireless Remote
- BMS connectivity
- LS inputs (Light Switch)
- Volt-free inputs
- Self diagnosis for simplified fault finding
- Adjustable delay On/delay Off timer
- Summer bypass and frost protection

Increased Performance

The Sentinel Kinetic Plus benefits from the latest high efficiency, backward curved impeller design, ensuring the lowest possible energy consumption, ultra quiet operation and an exceptional performance range covering small one bed apartments to the largest of houses.

Care Homes & Student Accommodation

The Sentinel Kinetic Plus is ideal for larger homes and multiple occupancy units such as care homes and student accommodation. Capable of 400m³/hr at 150Pa, the unit can extract from up to ten bathrooms and a communal kitchen while still achieving almost 90% heat recovery. The fully automatic capability of the Kinetic range means that adequate ventilation is always achieved.

The Kinetic's BMS capability is also ideal for those commercial applications where landlords or property managers want to monitor and optimise building performance and maintenance. The Kinetic BMS can provide status information and its self diagnostics can report if any fault is found.

Spigot Options

Spigots may be re-positioned to give horizontal connection or a combination of vertical and horizontal connection.

Optional 180mm/200mm spigots can simplify connection in commercial installations where larger diameter duct work has been used.

Quick Change Filter

As many systems are placed within cupboards the unique filter design folds as you remove it to ensure easy access in restricted spaces.

Integral Humidity Sensor

The integral humidity sensor increases speed in proportion to relative humidity levels, saving energy and reducing noise. The sensor also reacts to small but rapid increases in humidity, even if the normal trigger threshold is not reached. This unique feature ensures adequate ventilation, even for the smallest wet room. The night time relative humidity setback feature suppresses nuisance tripping as humidity gradually increases with falling temperature.

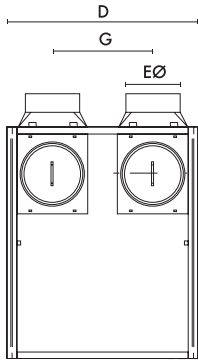
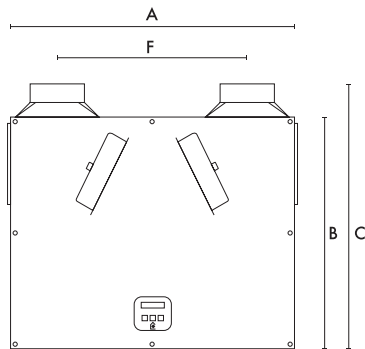
Models

Kinetic Plus B Right	Stock Ref 443028
Kinetic Plus B Left	443028L

Accessories

Model	Stock Ref
Wired Remote Controller	443283
Wireless Enable Kit	441865
Wireless Transmitter	437827
Controller	
Ventwise Controller	441780
LED Alarm with 15m cable	448356
Opto-coupler	447340
For volt-free bms connection	
Pre-Heater Controller	407198
Kinetic Spare Filters 2 pk.	443351
F5 Pollen Filter	444201
180mm/200mm Spigot Kit (One per pack)	446523

Dimensions (mm)



A	B	C	D	EØ	F	G
785	635	722	550	150	520	275

Weight: 24kg

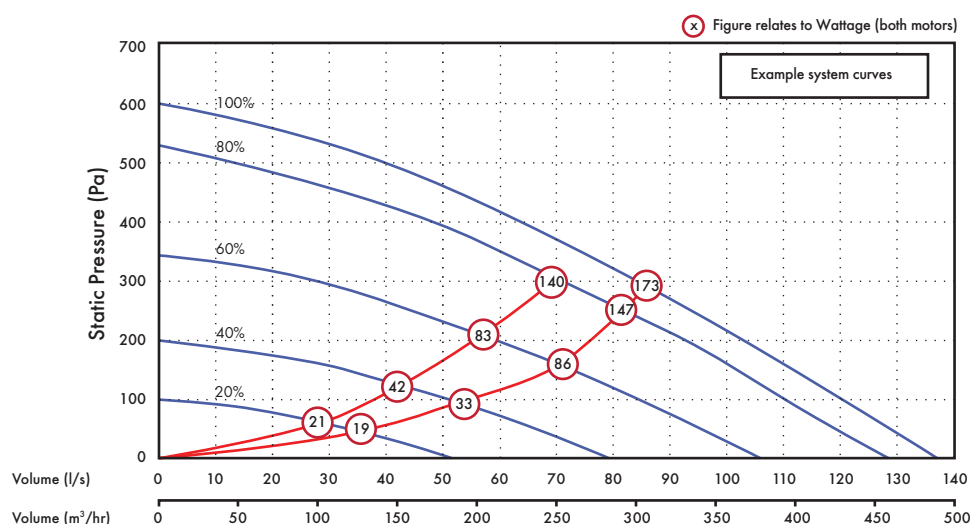
SAP Appendix Q Test Results

	Thermal Efficiency %	SFP (W/l/s)
K+1	91	0.51
K+2	91	0.40
K+3	90	0.41
K+4	90	0.45
K+5	90	0.53
K+6	90	0.60
K+7	90	0.70



Performance

Fan speeds are fully adjustable within the performance range.



Sound Data

Flow l/s	Unit setting	Test mode	Octave band, Hz, dB SWL							SPL dB(A) at 3m
			63	125	250	500	1k	2k	4k	
50	20%	Supply	46.5	54.3	46.4	44.8	36.2	28.5	24.5	28.5
		Extract	46	52.2	42.3	38.7	27.6	24.2	24	25
		Breakout	48.5	42.6	43.3	38.9	35.8	29.3	23.8	22.8
78	40%	Supply	50.3	59.1	54.5	56.5	47	39.9	26.3	38
		Extract	46.8	51.6	47.8	44.4	32.7	27.4	24.4	28
		Breakout	48.4	51.2	53.4	46	41	34.6	25	28.5
104	60%	Supply	52.4	57.2	60.4	60.9	55.8	50.3	33.1	43.6
		Extract	50	49.8	56.8	52.4	40.2	35.9	33.4	35.2
		Breakout	55	49.6	59.7	54.5	46.9	39.9	33.6	34.9
127	80%	Supply	54.9	60.7	67.4	66.6	61.8	56	39.6	49.5
		Extract	50.4	52	61.2	56.6	45.1	39.6	34.2	39.1
		Breakout	53.5	53.4	60.8	59.1	53	45.3	36	38.7
137	100%	Supply	54.7	61.7	70.5	69.9	62.7	57.5	42.1	52
		Extract	54.4	55.1	65.8	57.5	46.9	40.6	33.7	41.8
		Breakout	56.6	54.6	60.5	60.7	54.7	45.9	36.5	40