

Lo-Carbon Sentinel Kinetic B/BH

- Recognised in SAP PCDB
- Ultra quiet
- Lightweight for easier installation
- Horizontal duct option for space-saving installations
- Fits within a 290mm deep kitchen cupboard
- Integrated digital controller for simple and accurate commissioning
- Plug and play controls; Humidistat, Wireless Remote
- BMS connectivity
- LS inputs (Light Switch)
- Horizontal duct options



Easy Installation

The Sentinel Kinetic models can be mounted vertically in a roof space, hallway cupboard or kitchen or within a kitchen cupboard. When mounted in an unheated area ducting and MVHR unit should be insulated. Ducting can be attached to the unit horizontally, vertically or both. Minimum internal depth of kitchen cupboard: V, B & BH models 290mm.

Left (L) or right (R) hand installation. The unit is supplied with duct spigots to outside on the right hand side. These can be reversed on site by simply removing the control panel, rotating the unit 180 degrees and re-attaching the control panel.

Spigot Options

The combination of spigot options allows installation in confined locations. If vertical and horizontal connection is required on the same outlet/inlet, additional spigots can be supplied.

The condensate drain can be taken out through the back, side or bottom of the unit. Using the fittings supplied, the final condensate connection is made outside the unit and can be completed after installation.

Integral Humidity Sensor (BH Models)

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

Model	Stock Ref
Kinetic V	438342
Kinetic B Right	438222
Kinetic B Left	438221
(with summer bypass)	

Kinetic BH Right	443319
Kinetic BH Left	443319L
(with summer bypass & humidity sensor)	

B & BH models available in left hand or right hand configurations (L).

Accessories

Model	Stock Ref
Wired Remote Controller	443283
Wireless Enable Kit	441865
Wireless Transmitter	437827
Controller	
LED alarm with 15m cable	448356
Acoustic Purge Fan	477988

Kinetic V, B & BH	Stock Ref
ISO 45% Coarse (G3) 2 pk	442356
ISO ePM10 50% (M5)	444199
Anti Vibration Mounts	68MP033G

SAP PCDB Test Results (Kinetic V)

	SAP 2009		SAP 2012	
	Thermal		Thermal	
	Efficiency %	SFP (W/l/s)	Efficiency %	SFP (W/l/s)
K+1	90	0.60	90	0.61
K+2	90	0.59	90	0.74
K+3	90	0.68	90	0.95
K+4	89	0.79	90	1.19
K+5	90	0.97		

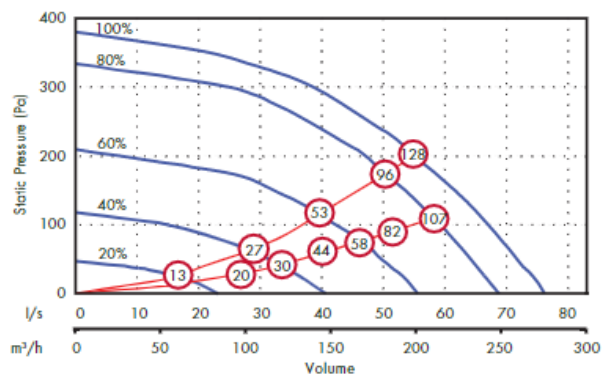
SEC Class

Model	SEC Class
Kinetic V/ B/BH	A

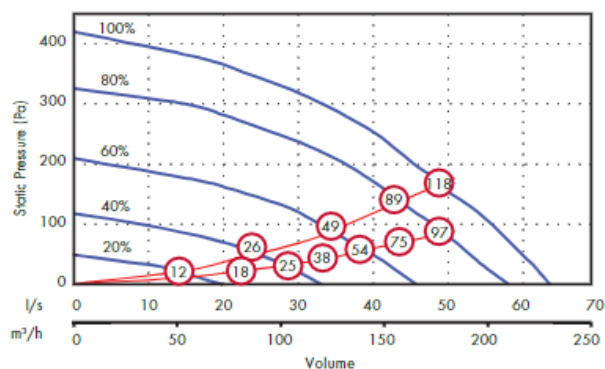
Performance

Fan speeds are fully adjustable within the performance range.

Vertical Spigots

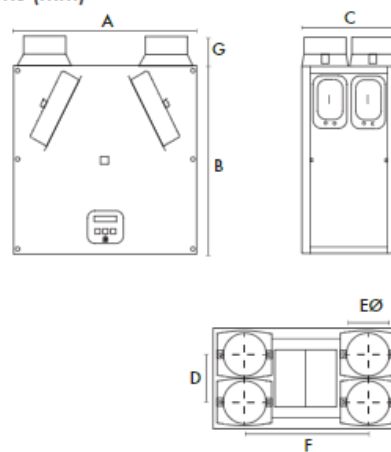


Horizontal Spigots



x figure relates to Wattage (both motors)

Dimensions (mm)



A	B	C	D	EØ	F	G
550	550	285	140	125	360	90

Weight: 15kg

Sound Data (Kinetic B & V)

Speed	Test mode	Octave band, Hz, dB SWL								SPL dB(A) @ 3m
		63	125	250	500	1k	2k	4k	8k	
20%	Supply	52.9	52.9	46.5	41.7	39.3	29.3	19.3	22.8	26.9
	Extract	50.7	41.9	37.4	34.5	29.8	17.7	17.4	22.7	18.2
	Breakout	36	34.5	33.6	34.3	33.8	27.2	22.2	25.3	16.7
40%	Supply	57.1	64.1	56.8	50.6	49.7	41.1	32.8	26.4	37.2
	Extract	55.2	50.3	44.9	43	38.3	27.7	19.8	22.9	26.3
	Breakout	43.5	41.7	40.4	41.3	41.7	36.1	27.8	26.2	24.2
60%	Supply	71.3	72.5	68.5	57.6	56.4	51.1	42.7	38.1	46.1
	Extract	60.2	56.3	52	48.8	44.8	35.5	26.9	24.4	32.7
	Breakout	50.7	47.8	47.7	47.7	48.3	44.9	36.7	30	31.3
80%	Supply	66.3	74.8	71.2	62.8	61	56.3	49.8	46.7	49.8
	Extract	63.8	59.4	57.6	53.8	49.2	41.2	33.5	29	37.5
	Breakout	54.4	52.7	54	52.7	53.5	50.3	43.6	37.7	36.7
100%	Supply	70.3	75.7	73.9	66.3	63.5	59.7	53.2	50.6	52.5
	Extract	66.6	63.9	60.9	56.5	51.2	44.2	36.8	32.6	40.4
	Breakout	59.1	55.2	56.8	55.6	56.1	53.5	47.1	41.6	39.6

Tested according to BS EN 13141-7:2010. Breakout quoted spherical. Supply and Extract quoted hemispherical.