

SILL-LINE

PERIMETER HEATING LTD

Designed and Manufactured in Great Britain



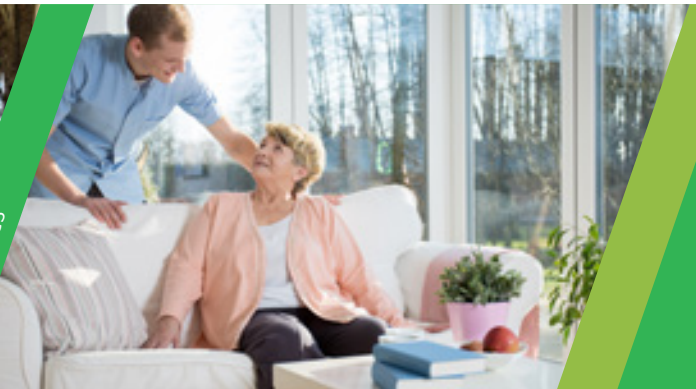
Schools

Libraries



Churches

Care Homes



Offices

- Five Year Parts and Labour Warranty
- Safety Features
- EC Motor Technology
- Manufactured in the UK
- Easy Maintenance Design

Vectair Fan Convectors

The New Product Range from Sill-Line

Why Choose Vectair?

- ✓ **Performance** Fan convectors are acknowledged as being one of the best ways to quickly bring a room up to the desired temperature.
- ✓ **Safety** Unlike radiators which are hot to the touch, the Vectair range operates with low case surface temperatures, making it ideal for use where children or the elderly may come into contact with the unit.
- ✓ **Maintenance** The Vectair range can be easily maintained via the key operated access panel.
- ✓ **Space** The Vectair range requires significantly less wall space than the equivalent output for radiators.
- ✓ **Environment** When compared with radiators of similar output, the Vectair range operates at lower temperatures and with lower volumes of water in the heating system, saving both money and carbon emissions.



Vectair Quality as Standard

- 5 year parts and labour warranty
- Low surface temperature cases
- Easy access maintenance design
- Pencil-proof grille and internal controls located behind a key operated panel
- Available in anti-microbial or anti-bacterial paint
- Manufactured in the UK

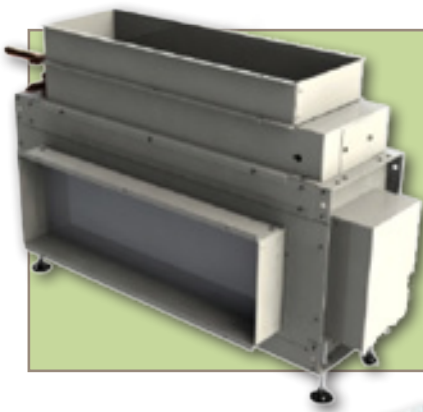


Product Range



Vectair Universal

One heating solution for a variety of applications suitable for high, low or ceiling mounted installation. Incorporating EC motor technology, the Universal delivers heat quickly and effectively. Heat outputs up to 14.5kW EC motor technology.



Vectair Concealed

Designed for concealed spaces, this is a highly versatile unit. It can be floor mounted or suspended from the ceiling. A variety of adjustable accessories enable it to be configured in dozens of innovative ways. Outputs up to 14.5kW. EC motor technology.



Vectair High

Designed for unobtrusive fixing at high level, Vectair rapid response heating is ideal for heating large areas such as schools, churches, care homes, libraries, offices and hospitals when floor space is at a premium. Heat outputs up to 14.5kW. AC motors only.



Vectair Low

A floor or wall mounted fan convector developed for a range of applications in commercial installations. The low surface temperature casing enhances safe operation of the model. Available in three model sizes. AC motors only.

Vectair Universal

Vectair Universal

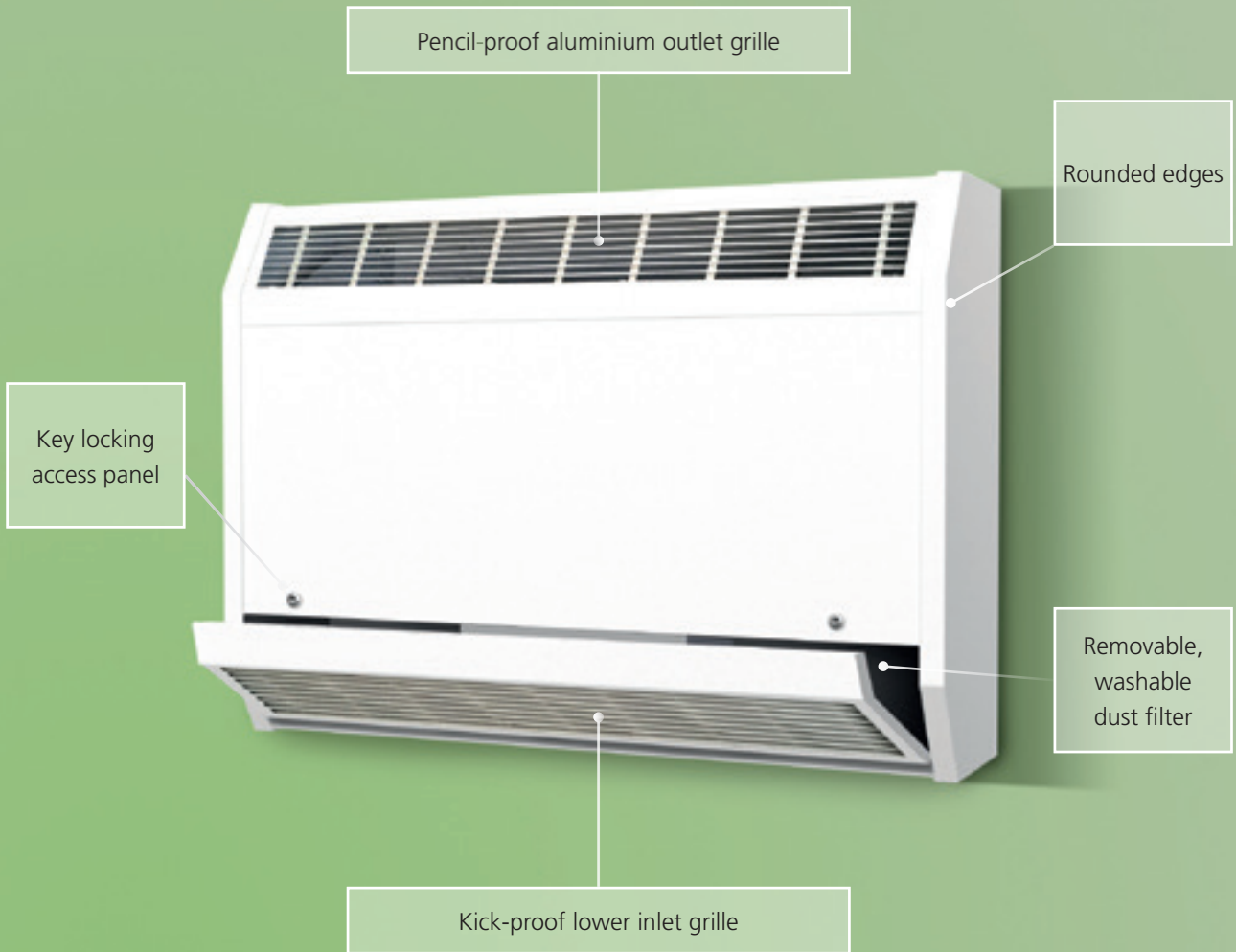
One heating solution for a variety of applications, this unit can be mounted almost anywhere. On the ceiling, at floor level or higher up on a wall. The Vectair universal incorporates the latest EC motor technology for reduced running costs.

- 3 model sizes
- Heat outputs up to 14.5kW
- Low surface temperature case
- Pencil-proof grilles
- Tamper-proof controls and cover
- Kick-proof grilles
- Free 5 year parts and labour warranty
- Incorporating the latest EC motor technology which can result in running cost savings as high as 80%
- Available in anti-microbial or anti-bacterial paint
- Optional wall mounted controls available

Wall and ceiling mounted options available



Key Features



Vectair Concealed

Central Unit

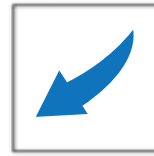


A highly adaptable unit for a variety of concealed applications. The central unit provides the fan heating section, while a range of accessories allow for multiple set-up configurations, some of which are shown below. Ideal for replacing old equipment or for new installations.

Warm air outlet



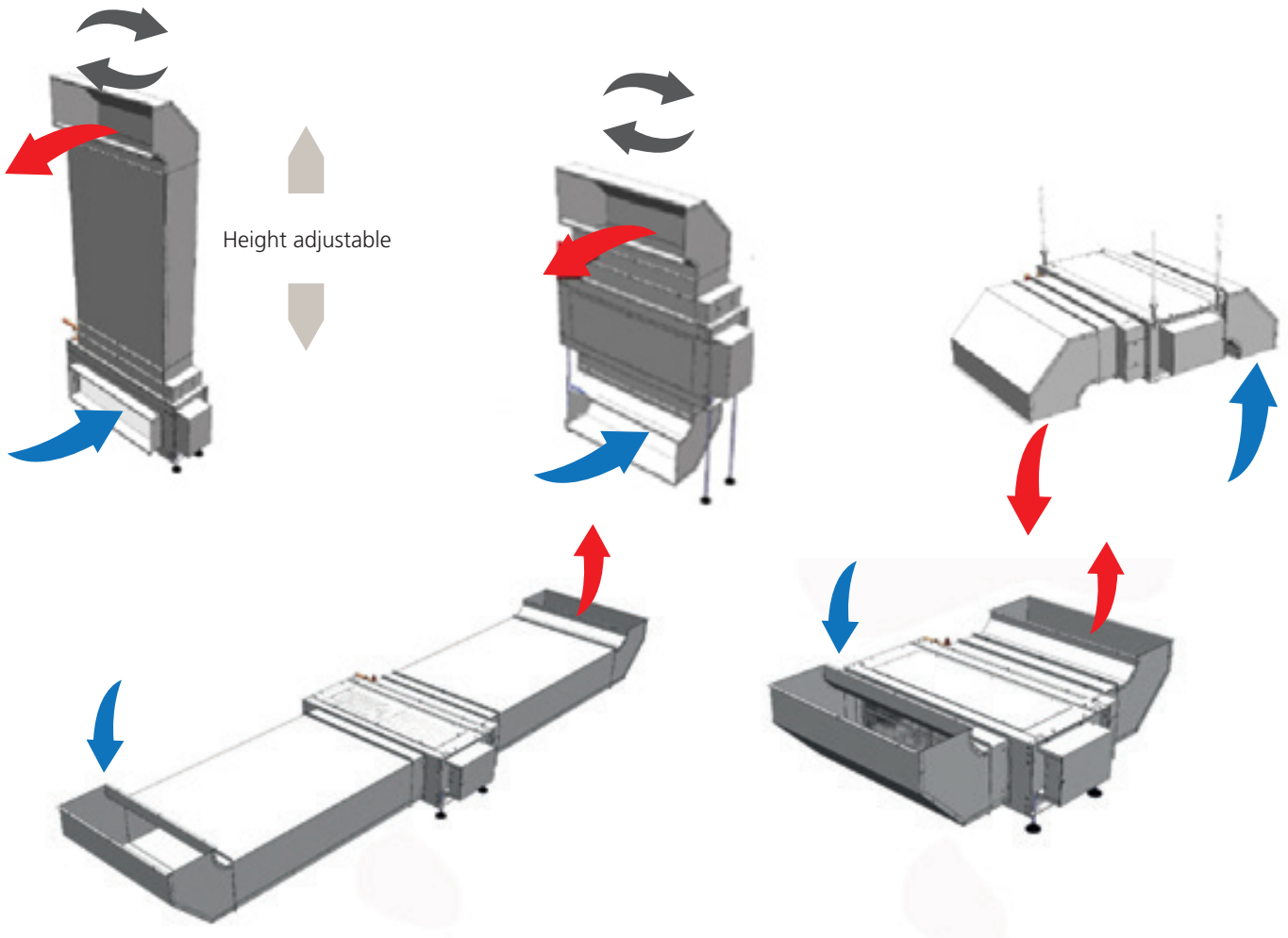
Air inlet option



Reversible



Potential concealed configuration options



Vectair Concealed

Accessories list and outputs

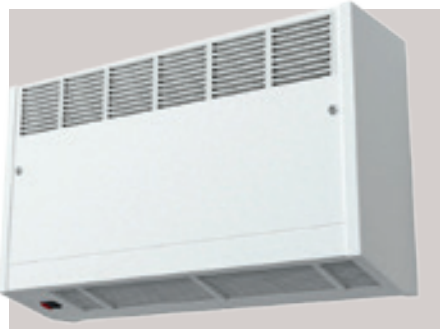


Vectair Concealed

- Heat outputs up to 14.5kW
- Suitable for two pipe heating systems
- Free 5 year parts and labour warranty
- Incorporating the latest EC motor technology, which can result in running cost savings as high as 80%
- Optional wall mounted controls available



Vectair High & Low



High Level

High level wall mounted fan convector to maximise low level wall space

- 3 model sizes
- Heat outputs up to 14.5kW
- Key operated tamper-proof access panel
- Free 5 year parts and labour warranty

Low Level

Compact low level wall or floor mounted fan convector

- 3 model sizes
- Heat outputs up to 14.5kW
- Low surface temperature casing
- Pencil-proof grille
- Tamper-proof controls and cover
- Free 5 year parts and labour warranty



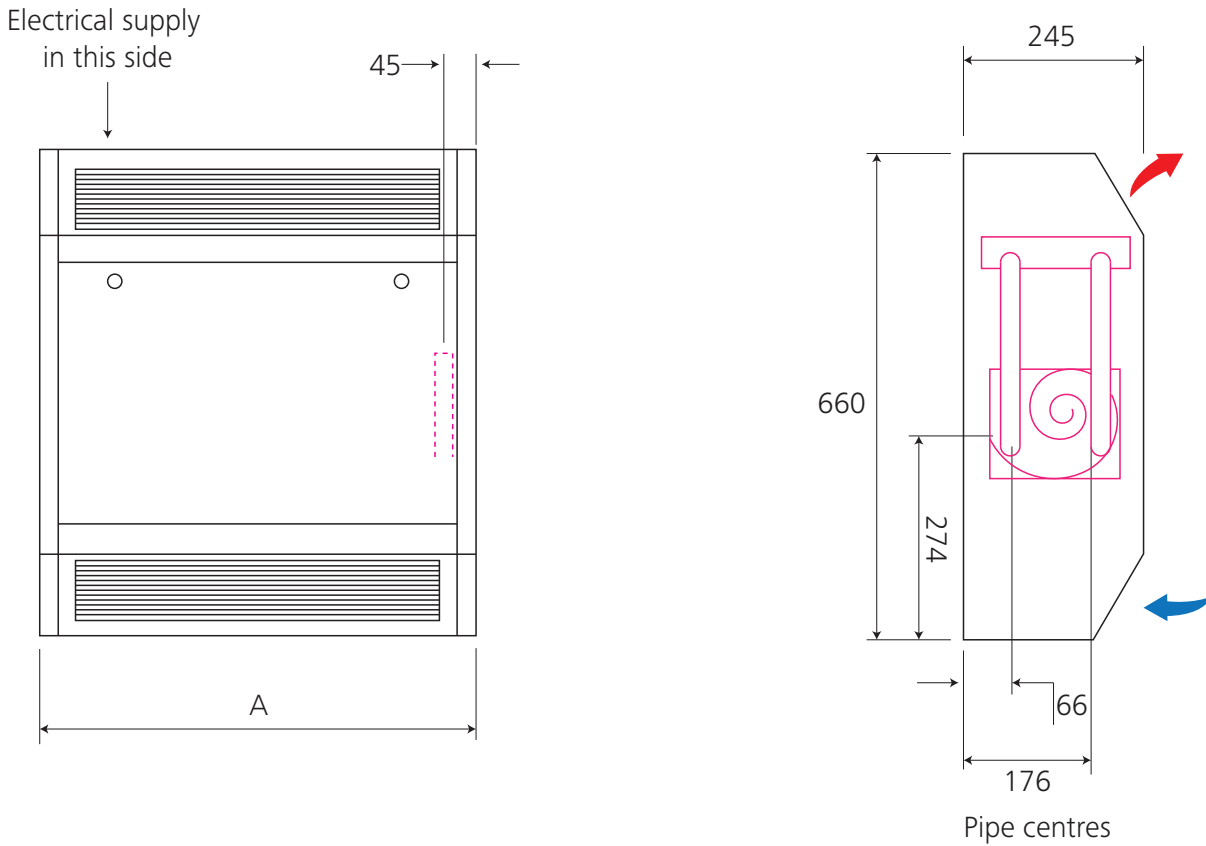
Optional controls available for all models

- Wall mounted thermostat
- Variable low temperature cut-out



Vectair Universal - Technical Data

Vectair Universal



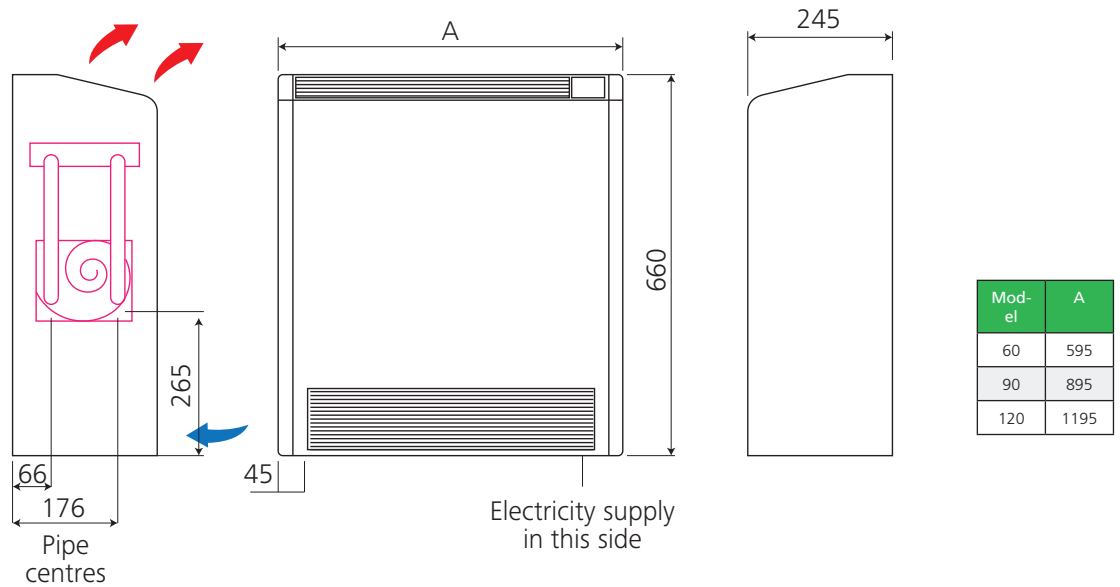
Mod- el	A
60	595
90	895
120	1195

Vectair Model	Heat output @ 80°C			Heat output @ 75°C			Heat output @ 70°C		
	Low (KW/BTU)	Med (KW/BTU)	High (KW/BTU)	Low (KW/BTU)	Med (KW/BTU)	High (KW/BTU)	Low (KW/BTU)	Med (KW/BTU)	High (KW/BTU)
Universal 120	6.7/22700	10.6/36000	14.5/49400	6.1/90937	9.6/32968	13.2/45000	5.6/19100	8.7/29800	11.8/40400
Universal 90	5.2/17700	7.8/26500	10.3/35200	4.8/16300	7.2/24600	9.6/32800	4.4/15000	6.7/22700	8.9/30400
Universal 60	3.2/10900	4.5/15500	5.9/20000	2.9/9900	4.1/14000	5.3/18100	2.6/8800	3.7/12500	4.8/16200
Vectair Model	Heat output @ 65°C			Heat output @ 60°C			Heat output @ 55°C		
Universal 120	4.9/16600	7.7/26400	10.6/36000	4.1/14100	6.7/23000	9.4/32000	3.4/11600	5.8/19700	8.1/27700
Universal 90	3.9/13500	6.0/20400	8.0/27300	3.5/11900	5.3/18000	7.1/24200	3.0/10400	4.6/15800	6.2/21100
Universal 60	2.3/7800	3.2/10900	4.2/14300	2.0/6800	2.8/9600	3.6/12400	1.7/5800	1.9/8200	2.0/10600
Vectair Model	Heat output @ 50°C			Heat output @ 45°C			Heat output @ 40°C		
Universal 120	2.7/9000	4.8/16300	6.9/23500	2.0/6700	3.7/12600	5.4/18400	1.3/4400	2.6/8900	3.9/13400
Universal 90	2.6/8800	3.9/13400	5.3/18000	1.9/6500	3.1/10500	4.1/14000	1.5/5100	2.2/7500	2.9/10000
Universal 60	1.4/4800	2.0/6800	2.5/8700	1.1/3800	1.5/5100	1.9/6300	0.8/2700	1.0/3400	1.2/4000

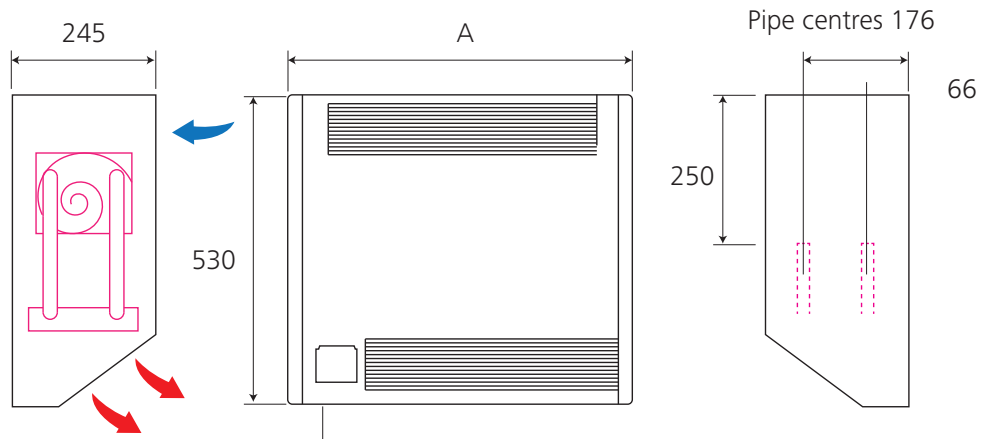
Heat outputs tested in accordance with BS4856 using mean water temperatures, as shown in the table above, 18° C entering air temperature, 10° C temperature drop and a flow rate of 340 litres/h.

Vectair Technical Data

Vectair Low Level



Vectair High Level



Vectair Model	Heat output @ 80°C			Heat output @ 75°C			Heat output @ 70°C		
	Low (KW/BTU)	Med (KW/BTU)	High (KW/BTU)	Low (KW/BTU)	Med (KW/BTU)	High (KW/BTU)	Low (KW/BTU)	Med (KW/BTU)	High (KW/BTU)
High/Low 120	11.4/39000	13.4/45800	14.5/49200	10.4/35500	12.2/41600	13.1/44700	9.3/31600	10.9/37000	11.7/39800
High/Low 90	6.8/23300	7.7/26300	8.6/29300	6.2/21200	7.0/23900	7.8/26600	5.5/18800	6.2/21300	6.9/23700
High/Low60	4.0/13500	4.5/15400	5.1/17300	3.6/12300	4.1/14000	4.6/15700	3.2/10900	3.6/12500	4.1/14000
Vectair Model	Heat output @ 65°C			Heat output @ 60°C			Heat output @ 55°C		
	Low (KW/BTU)	Med (KW/BTU)	High (KW/BTU)	Low (KW/BTU)	Med (KW/BTU)	High (KW/BTU)	Low (KW/BTU)	Med (KW/BTU)	High (KW/BTU)
High/Low 120	8.2/32900	9.6/32900	10.3/35300	7.2/24500	8.4/28700	9.0/30800	6.2/21300	7.3/25000	7.9/26800
High/Low 90	4.9/16700	5.5/18900	6.2/21000	4.3/14600	4.8/16500	5.4/18400	3.7/12700	4.2/14300	4.7/16000
High/Low60	2.8/9700	3.2/11000	3.6/12400	2.5/8500	2.8/9700	3.2/10800	2.2/7300	2.5/8400	2.8/9400
Vectair Model	Heat output @ 50°C			Heat output @ 45°C			Heat output @ 40°C		
	Low (KW/BTU)	Med (KW/BTU)	High (KW/BTU)	Low (KW/BTU)	Med (KW/BTU)	High (KW/BTU)	Low (KW/BTU)	Med (KW/BTU)	High (KW/BTU)
High/Low 120	5.3/18100	6.2/21200	6.7/22800	4.2/14200	4.9/16700	5.2/17900	3.2/11000	3.8/12900	4.1/13900
High/Low 90	3.2/10800	3.6/12200	4.0/13600	2.5/8500	2.8/9600	3.1/10600	1.9/6600	2.2/7400	2.4/8300
High/Low60	1.8/6250	2.1/7100	2.3/8000	1.4/4900	1.6/5650	1.8/6300	0.9/3050	1.0/3400	1.1/3600

Heat outputs tested in accordance with BS4856 using mean water temperatures, as shown in the table above, 18° C entering air temperature, 10° C temperature drop and a flow rate of 340 litres/h.

Vectair Concealed - Technical Data

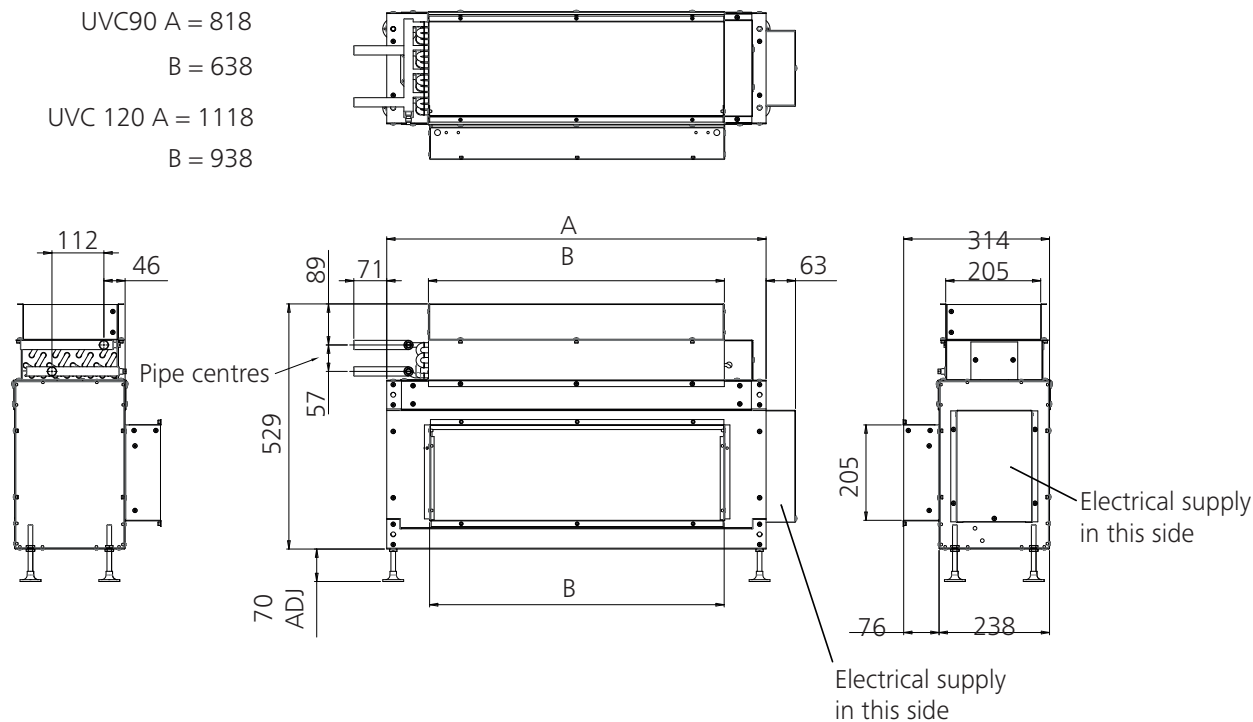
Vectair Concealed

UVC90 A = 818

B = 638

UVC 120 A = 1118

B = 938



Vectair Model	Heat output @ 80°C			Heat output @ 75°C			Heat output @ 70°C		
	Low (KW/BTU)	Med (KW/BTU)	High (KW/BTU)	Low (KW/BTU)	Med (KW/BTU)	High (KW/BTU)	Low (KW/BTU)	Med (KW/BTU)	High (KW/BTU)
Concealed 120	6.7/22700	10.6/36000	14.5/49400	6.1/90937	9.6/32968	13.2/45000	5.6/19100	8.7/29800	11.8/40400
Concealed 90	5.2/17700	7.8/26500	10.3/35200	4.8/16300	7.2/24600	9.6/32800	4.4/15000	6.7/22700	8.9/30400
Vectair Model	Heat output @ 65°C			Heat output @ 60°C			Heat output @ 55°C		
	Low (KW/BTU)	Med (KW/BTU)	High (KW/BTU)	Low (KW/BTU)	Med (KW/BTU)	High (KW/BTU)	Low (KW/BTU)	Med (KW/BTU)	High (KW/BTU)
Concealed 120	4.9/16600	7.7/26400	10.6/36000	4.1/14100	6.7/23000	9.4/32000	3.4/11600	5.8/19700	8.1/27700
Concealed 90	3.9/13500	6.0/20400	8.0/27300	3.5/11900	5.3/18000	7.1/24200	3.0/10400	4.6/15800	6.2/21100
Vectair Model	Heat output @ 50°C			Heat output @ 45°C			Heat output @ 40°C		
	Low (KW/BTU)	Med (KW/BTU)	High (KW/BTU)	Low (KW/BTU)	Med (KW/BTU)	High (KW/BTU)	Low (KW/BTU)	Med (KW/BTU)	High (KW/BTU)
Concealed 120	2.7/9000	4.8/16300	6.9/23500	2.0/6700	3.7/12600	5.4/18400	1.3/4400	2.6/8900	3.9/13400
Concealed 90	2.6/8800	3.9/13400	5.3/18000	1.9/6500	3.1/10500	4.1/14000	1.5/5100	2.2/7500	2.9/10000

Heat outputs tested in accordance with BS4856 using mean water temperatures, as shown in the table above, 18° C entering air temperature, 10° C temperature drop and a flow rate of 340 litres/h.

Model	Flow & Return Connection	Fused Spur	Power Consumption (watts)			Sound Levels (dBa)			Correction Factors						
			Low	Med	High	Low	Med	High	EAT °C	Mean Water Temp °C 80 to 40	Temperature Drop °C				
											20	15	10	5	
Universal 60	22mm	3A	8	24	40	33	42	50	15	1.10	Factor	0.89	0.95	1.00	1.04
Universal 90	22mm	3A	15	43	70	34	42	53							
Universal 120	22mm	3A	13	62	110	35	46	58	21	0.93	Factor	0.89	0.95	1.00	1.04
Concealed 90	22mm	3A	13	43	70	34	42	53							
Concealed 120	22mm	3A	15	62	110	35	46	58							
High/Low 60	22mm	3A	29	36	51	32	35	38							
High/Low 90	22mm	3A	53	60	98	37	40	43							
High/Low 120	22mm	3A	99	135	151	42	46	48							

Sound readings taken from 3m in front of the units.



At the beginning of 2015 and following almost a quarter of a century of successful growth, Sill-Line Perimeter Heating Ltd. relocated to its current, state of the art manufacturing facility, based in Daventry. Founded in 1992, and following the successful acquisition of the perimeter heating business of Copperad from Myson RCM, the company then acquired the Warmline Perimeter Heating business from Biddle Air Systems two years later.

In 2002 Sill-Line Perimeter Heating Ltd. further acquired the natural convector business of Lennox Industries and during this period of rapid growth the original Daventry facilities were doubled

in size. In 2006, to complement its rapidly expanding natural convection businesses, Sill-Line Perimeter Heating Ltd acquired the Spiral Wound Tubing business of Gunning Engineering, which added heavy duty steel heat emitters to its already comprehensive range of commercial products.

Sill-Line Perimeter Heating Ltd. is unique in its UK business model by focussing exclusively on the sales, production and development of British-made perimeter wall mounted and trench heating systems. The company is able to draw upon a great heritage of product lines established by the likes of Myson, Biddle, Copperad

and Lennox, providing over 100 years of design experience within the present workforce.

Since commencing trading Sill-Line Perimeter Heating Ltd has supplied thousands of kilometres of heating systems and is justly proud of its position as a leading high-quality company in this specialist sector. Sill-Line Perimeter Heating Ltd prides itself in being able to offer bespoke solutions that meet and exceed our clients' specific and individual design requirements.

Sill-Line are pleased to announce the launch of the Vectair Fan Convector range.

SILL-LINE

PERIMETER HEATING LTD



7 High March, High March Industrial Estate
Daventry, Northamptonshire NN11 4HB

Tel: 01327 301922 | Email: sales@sill-line.com | www.sill-line.com

