

# Ecovector®/Sterling High

The Ecovector® and Sterling Hydronic and Hydronic Low Voltage fan convectors provide effective and dependable heating for both large and small rooms, fitted unobtrusively above head height. They work particularly well in conservatories and areas where lower wall space is limited. Supplied as standard in white but casing can be supplied in any colour.



Model	Room Size Guide* (m <sup>2</sup> )	Heat Output at 80°C		Heat Output at 75°C		Heat Output at 70°C		Heat Output at 65°C	
		Normal kW (Btu/h)	Boost kW (Btu/h)	Normal kW (Btu/h)	Boost kW (Btu/h)	Normal kW (Btu/h)	Boost kW (Btu/h)	Normal kW (Btu/h)	Boost kW (Btu/h)
<b>Hydronic</b>									
Ecovector HL 1000	29	1.0 (3500)	1.3 (4600)	1.0 (3300)	1.2 (4050)	0.9 (3100)	1.1 (3750)	0.8 (2800)	1.0 (3400)
Ecovector HL 2300	66	2.3 (7850)	3.1 (10500)	2.1 (7000)	2.8 (9400)	1.9 (6400)	2.5 (8500)	1.7 (5700)	2.1 (7300)
Ecovector HL 2900	-	2.9 (10000)	4.2 (14500)	2.7 (9200)	4.0 (13500)	2.5 (8500)	3.5 (12000)	2.3 (7700)	3.2 (11000)
Ecovector HL 4000	-	4.0 (13500)	5.3 (18000)	3.7 (12500)	4.8 (16500)	3.3 (11300)	4.4 (15100)	3.0 (10400)	4.1 (13900)
Sterling 1000-240V	29	1.0 (3500)	1.3 (4600)	1.0 (3300)	1.2 (4050)	0.9 (3100)	1.1 (3750)	0.8 (2800)	1.0 (3400)
<b>Hydronic Low Voltage</b>									
Ecovector HL 1000-12V	25	1.0 (3500)	1.3 (4600)	1.0 (3300)	1.2 (4050)	0.9 (3100)	1.1 (3750)	0.8 (2800)	1.0 (3400)
Sterling 1000-12V	25	1.0 (3500)	1.3 (4600)	1.0 (3300)	1.2 (4050)	0.9 (3100)	1.1 (3750)	0.8 (2800)	1.0 (3400)

Model	Room Size Guide* (m <sup>2</sup> )	Heat Output at 60°C		Heat Output at 55°C		Heat Output at 50°C		Heat Output at 45°C	
		Normal kW (Btu/h)	Boost kW (Btu/h)	Normal kW (Btu/h)	Boost kW (Btu/h)	Normal kW (Btu/h)	Boost kW (Btu/h)	Normal kW (Btu/h)	Boost kW (Btu/h)
<b>Hydronic</b>									
Ecovector HL 1000	29	0.7 (2550)	0.9 (3200)	0.6 (2100)	0.8 (2750)	0.5 (1850)	0.7 (2400)	0.5 (1600)	0.6 (2000)
Ecovector HL 2300	66	1.4 (4800)	1.9 (6600)	1.4 (4700)	1.8 (6300)	1.2 (4100)	1.6 (5500)	1.1 (3600)	1.4 (4800)
Ecovector HL 2900	-	2.1 (7200)	2.9 (9800)	1.9 (6600)	2.6 (8900)	1.6 (5400)	2.3 (7800)	1.4 (4750)	2.0 (6800)
Ecovector HL 4000	-	2.7 (9100)	3.4 (11500)	2.4 (8200)	3.2 (10900)	2.1 (7150)	2.8 (9600)	1.8 (6300)	2.5 (8400)
Sterling 1000-240V	29	0.7 (2550)	0.9 (3200)	0.6 (2100)	0.8 (2750)	0.5 (1850)	0.7 (2400)	0.5 (1600)	0.6 (2000)
<b>Hydronic Low Voltage</b>									
Ecovector HL 1000-12V	25	0.7 (2550)	0.9 (3200)	0.6 (2100)	0.8 (2750)	0.5 (1850)	0.7 (2400)	0.5 (1600)	0.6 (2000)
Sterling 1000-12V	25	0.7 (2550)	0.9 (3200)	0.6 (2100)	0.8 (2750)	0.5 (1850)	0.7 (2400)	0.5 (1600)	0.6 (2000)

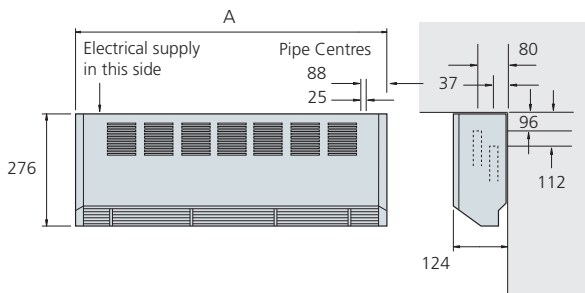
Model	Room Size Guide* (m <sup>2</sup> )	Heat Output at 40°C	
		Normal kW (Btu/h)	Boost kW (Btu/h)
<b>Hydronic</b>			
Ecovector HL 1000	29	0.4 (1350)	0.5 (1800)
Ecovector HL 2300	66	0.9 (3000)	1.2 (4000)
Ecovector HL 2900	-	1.2 (4000)	1.7 (5700)
Ecovector HL 4000	-	1.6 (5300)	2.1 (7000)
Sterling 1000-240V	29	0.4 (1350)	0.5 (1800)
<b>Hydronic Low Voltage</b>			
Ecovector HL 1000-12V	25	0.4 (1350)	0.5 (1800)
Sterling 1000-12V	25	0.4 (1350)	0.5 (1800)

Model	Room Size Guide* (m <sup>2</sup> )	Sound Levels		Casing Colour	Fan-Only
		Normal (dBA)	Boost (dBA)		
<b>Hydronic</b>					
Ecovector HL 1000	29	32	40	White	•
Ecovector HL 2300	66	34	50	White	•
Ecovector HL 2900	-	37	51	White	•
Ecovector HL 4000	-	39	52	White	•
Sterling 1000-240V	29	32	40	White	•
<b>Hydronic Low Voltage</b>					
Ecovector HL 1000-12V	25	32	39	White	•
Sterling 1000-12V	25	32	39	White	•

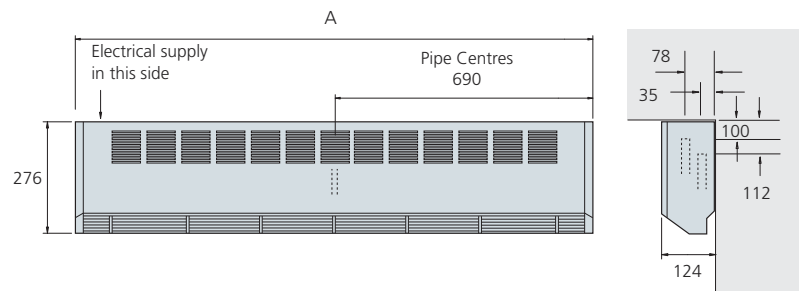
\*Room sizes given in cubic metres for general guidance only based on normal heat output (80°C) for domestic applications - always calculate heat losses. Heat outputs tested in accordance with BS4856 using entering water temperature and 340 l/h (75gph) flow rate. Fan-only option operational only when central heating system is switched off. Sound levels measured at 1.5m.

Model	Flow & Return Connections	Mains Cable	Transformer	Flexible Hoses	Isolating Valves	Fused Spur	Power Consumption		Water Capacity (Litres)
							Normal (Watts)	Boost (Watts)	
<b>Hydronic</b>									
Ecovector HL 1000	15mm	1.5m	n/a	n/a	n/a	3A	20	25	0.28
Ecovector HL 2300	15mm	1.5m	n/a	n/a	n/a	3A	20	32	0.32
Ecovector HL 2900	15mm	1.5m	n/a	n/a	n/a	3A	33	50	0.52
Ecovector HL 4000	22mm	1.5m	n/a	n/a	n/a	3A	40	60	1.04
Sterling 1000-240V	15mm	1.5m	n/a	n/a	n/a	3A	20	25	0.28
<b>Hydronic Low Voltage</b>									
Ecovector HL 1000-12V	15mm	0.45m	•	n/a	n/a	3A	20	25	0.28
Sterling 1000-12V	15mm	0.45m	•	n/a	n/a	3A	20	25	0.28

### Ecovector® HL 1000, 1000-12V, 2300, 2900



### Ecovector® HL 4000



All dimensions in mm

### Ecovector®/Sterling High

#### Finish

Front casing: zinc-coated steel. Polyester, powder-coated: textured white BS 4800 00A01 18% gloss  
Side panels: polymer eggshell white

#### Installation

- Maximum installation height 2.1m (6'11") to underside
- No top or side clearance required
- Unit must be earthed (except model 1000-12V)
- Suitable for two-pipe central heating systems
- Pattress box not supplied for transformer (model 1000-12V)

#### Commissioning

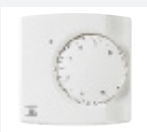
Check water is hot enough to activate the low temperature cut-out thermostat. The inclusion of an automatic air vent at the highest point is recommended to avoid possible air locks

#### Controls

Two rocker switches - normal/off/boost, heating/fan-only  
Low temperature cut out thermostat, set to energise fan at approximately 35°C

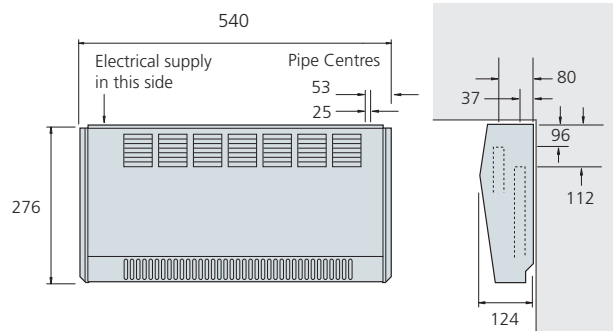
#### Accessory

Wall-mounted room thermostat



See Glossary on page 46 for further information on Accessories

### Sterling Hydronic 1000-240V, 1000-12V



All dimensions in mm

Model	A
1000	470
1000-12V	470
2300	781
2900	1062
4000	1412