Ecovector® High

The Ecovector Hydronic fan convectors provide effective and dependable heating for both small and large commercial areas, fitted unobtrusively above head height

Features
- They work particularly well in shops and libraries, where lower wall space is limited
- Compatible with most types of wet central heating systems, functioning equally efficiently with conventional boilers, biomass technology or ground or air source heat pumps

Applications
Education, healthcare, places of worship, leisure and sport, office, hospitality, retail, showroom, industrial and residential

Motor
AC only.

Finish
Front casing: zinc-coated steel.
Polyester powder-coated RAL 9010.
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.
Patress 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.

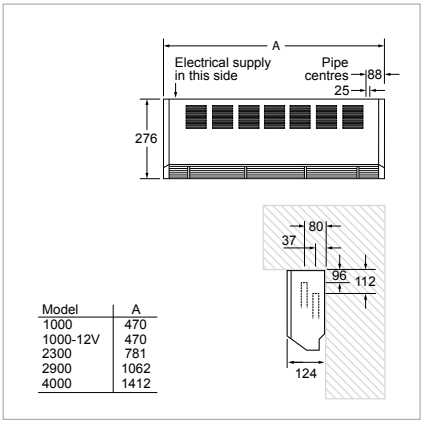
Specification
To specify state:
High level hydronic fan convector in white.
As Smith's Ecovector High 1000/2300/2900/4000/1000-12V.

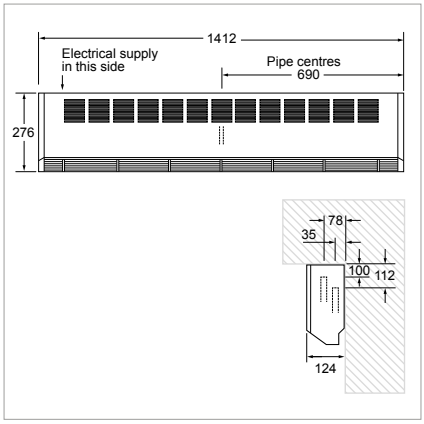
Heat output

Model	Heat Output at 80°		Heat Output at 75°		Heat Output at 70°		Heat Output at 65°		Heat Output at 60°	
	Normal (kW)	Boost (kW)	Normal (kW)	Boost (kW)	Normal (kW)	Boost (kW)	Normal (kW)	Boost (kW)	Normal (kW)	Boost (kW)
ECOVECTOR HL 1000	1.0	1.3	1.0	1.2	0.9	1.1	0.8	1.0	0.7	0.9
ECOVECTOR HL 2300	2.3	3.1	2.1	2.8	1.9	2.5	1.7	2.1	1.4	1.9
ECOVECTOR HL 2900	2.9	4.2	2.7	4.0	2.5	3.5	2.3	3.2	2.1	2.9
ECOVECTOR HL 4000	4.0	5.3	3.7	4.8	3.3	4.4	3.0	4.1	2.7	3.4
ECOVECTOR HL 1000-12V	1.0	13	1.0	1.2	0.9	1.1	0.8	1.0	0.7	0.9

Ecovector® High

The Ecovector Hydronic fan convectors provide effective and dependable heating for both small and large commercial areas, fitted unobtrusively above head height





Heat output

Model	Heat Output at 55°		Heat Output at 50°		Heat Output at 45°		Heat Output at 40°	
	Low (kW)	Medium (kW)	Low (kW)	Medium (kW)	Low (kW)	Medium (kW)	Low (kW)	Medium (kW)
ECOVECTOR HL 1000	0.6	0.8	0.5	0.7	0.5	0.6	0.4	0.5
ECOVECTOR HL 2300	1.4	1.8	1.2	1.6	1.1	1.4	0.9	1.2
ECOVECTOR HL 2900	1.9	2.6	1.6	2.3	1.4	2.0	1.2	1.7
ECOVECTOR HL 4000	2.4	3.2	2.1	2.8	1.8	2.5	1.6	2.1
ECOVECTOR HL 1000-12V	0.6	0.8	0.5	0.7	0.5	0.6	0.4	0.5

Model	Flow & return connections	Mains cable	Trans-former	Fused spur	Total Power Consumption		Water Capacity (Litres)	Sound Levels		Casting colour	Fan-only
					Normal (Watts)	Boost (Watts)		Normal (dBA)	Boost (dBA)		
ECOVECTOR HL 1000	15mm	1.5m	n/a	3A	20	25	0.28	32	40	white	•
ECOVECTOR HL 2300	15mm	1.5m	n/a	3A	20	32	0.32	34	50	white	•
ECOVECTOR HL 2900	15mm	1.5m	n/a	3A	33	50	0.52	37	51	white	•
ECOVECTOR HL 4000	22mm	1.5m	n/a	3A	40	60	1.04	39	52	white	•
ECOVECTOR HL 1000-12V	15mm	0.45m	•	3A	20	25	0.28	32	39	white	•

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.

Ordering guide

Model	Packed Wt (kg)	Product Codes
ECOVECTOR HL 1000	7	HPEV50011
ECOVECTOR HL 2300	11	HPEV50012
ECOVECTOR HL 2900	15	HPEV50013
ECOVECTOR HL 4000	18	HPEV50014
ECOVECTOR HL 1000-12V	8	HPEV50015
Accessories		
ROOM THERMOSTAT HARD WIRED		HAGA95001
ROOM THERMOSTAT TAMPER PROOF		HAGA95004

Issue 006 I November 2021