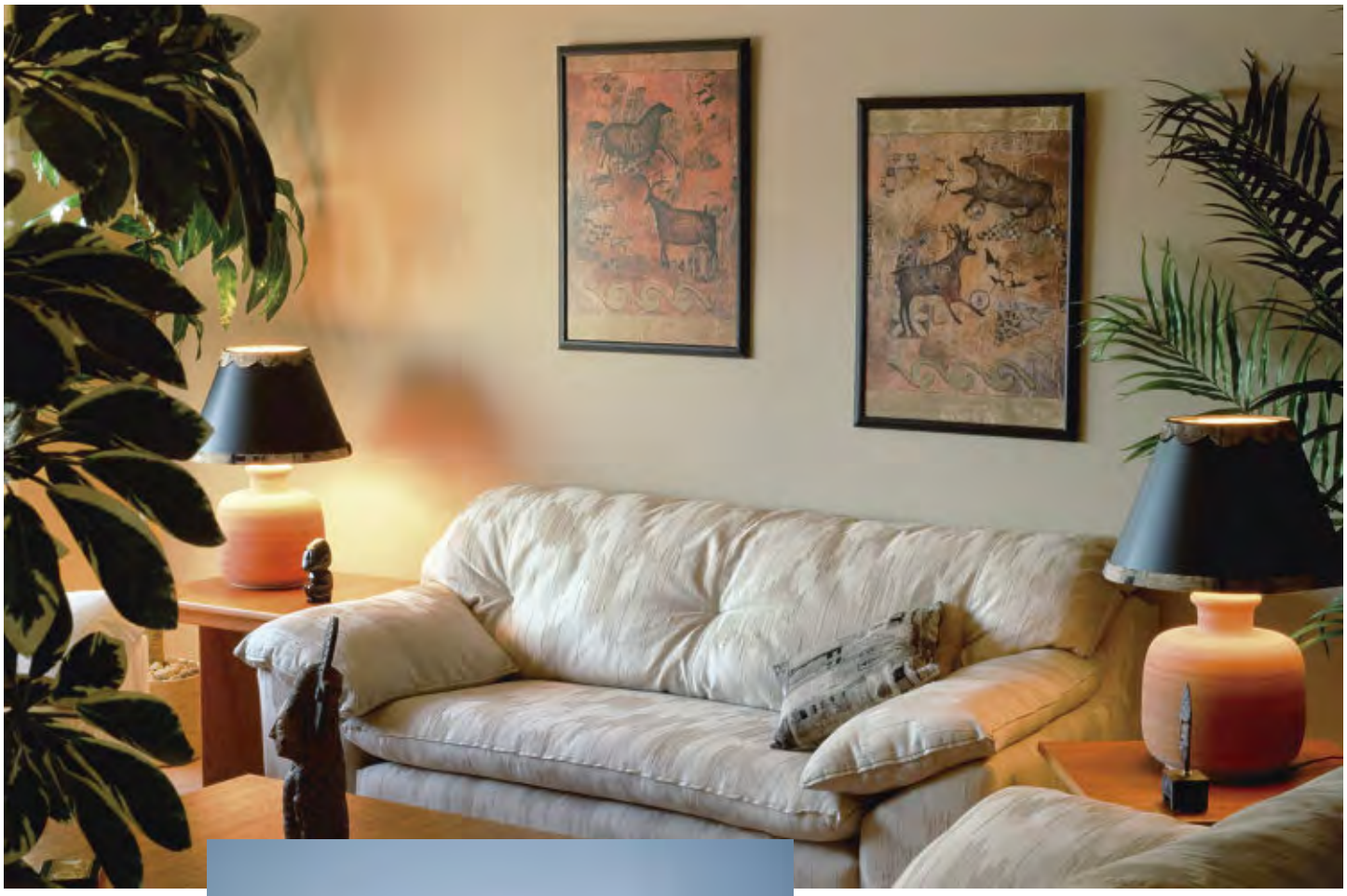
Ecovector® Low Level

Domestic and Non-Domestic Applications



The next generation fan convector offering energy efficiency, safety with its low surface temperature casing and controllability with in-built room thermostat. Suitable for use on both existing boiler systems and those driven by renewable technology such as ground or air-source heat pumps. Using only 5% of the water content of an equivalent output radiator the Ecovector low level fan convector is fast, responsive and very quiet in operation. Provides warmth from the floor upwards – the ideal heating pattern – but is more responsive, energy efficient and effective than either under-floor heating or radiators. Will heat the room more quickly than other heat emitters thereby reducing the amount of time your boiler or heat pump is running.

Independent tests* show that fan convectors are at least 24% more energy efficient than a panel radiator in heating up a room.

**Tests carried out by BSRIA (Building Services Research and Information Association) in August 2008*

Model	Room Size Guide* (m^3)	Heat Output Δt 60°C Normal kW (Btu/h)	Heat Output Δt 60°C Boost kW (Btu/h)	Heat Output Δt 50°C Normal kW (Btu/h)	Heat Output Δt 50°C Boost kW (Btu/h)	Heat Output Δt 20°C Normal kW (Btu/h)	Heat Output Δt 20°C Boost kW (Btu/h)	Sound Levels Normal (dBA)	Sound Levels Boost (dBA)	Casing Colour	Fan-Only
Hydronic											
Ecovector LL 1200	27	1.2 (4000)	1.6 (5400)	1.0 (3400)	1.3 (4300)	0.4 (1200)	0.5 (1600)	32	38	White	n/a
Ecovector LL 2000	45	2.0 (6900)	2.6 (8800)	1.6 (5500)	2.2 (7600)	0.7 (2500)	0.9 (2900)	35	40	White	n/a
Ecovector LL 2800	62	2.8 (9700)	3.5 (12100)	2.3 (8000)	2.9 (10000)	1.0 (3200)	1.2 (4200)	37	42	White	n/a

*Room sizes given in cubic metres for general guidance only based on low heat output (Δt 60°C) for domestic applications - always calculate heat losses. Δt 60°C assumes a mean water temperature of 80°C and room temperature of 20°C. Δt 50°C assumes a mean water temperature of 70°C and room temperature of 20°C. Hydronic outputs tested in accordance with BS 4856. Sound levels measured at 1.5m.

Model	Flow & Return Connections	Mains Cable	Transformer	Flexible Hoses	Isolating Valves	Fused Spur	Power Consumption Normal Watts	Power Consumption Boost Watts	Water Capacity (Litres)
Hydronic									
Ecovector LL 1200	15mm	1.5m	n/a	n/a	n/a	3A	17	21	0.29
Ecovector LL 2000	15mm	1.5m	n/a	n/a	n/a	3A	26	55	0.58
Ecovector LL 2800	15mm	1.5m	n/a	n/a	n/a	3A	43	76	0.83

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Finish

Front casing: zinc coated steel. Polyester powder-coated: textured white BS 4800 00A01 18% gloss.

Side panels: polymer eggshell white

Installation

- Mounting bracket supplied
- Unit must be earthed
- Suitable for two-pipe central heating systems
- Minimum height above floor level 150mm
- Maximum height above floor level 500mm

Commissioning

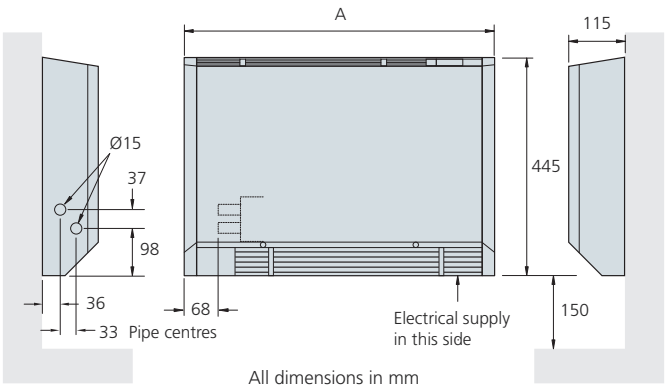
Check water is hot enough to activate the selectable low temperature cut-out thermostat.

Controls

Rocker switch - normal/off/boost.

Built-in room thermostat.

Selectable low temperature cut-out thermostat, set to 38°C for heating systems run from renewable technology and 52°C for standard and condensing boiler heat generators.



All dimensions in mm

Model	A
LL 1200	635
LL 2000	1025
LL 2800	1385