

# Eco-Powerad®

The Eco-Powerad is the fan convector of the future - energy efficient, responsive and suitable for installation within most wet central heating systems, driven by either boilers or low temperature renewable technology



## Features

- Compact, with smooth lines to achieve visual simplicity, the Eco-Powerad also features low surface temperature casing for complete safety and possesses a very low operating sound - between 28 and 32 decibels
- Compatible with most types of wet central heating systems, functioning equally efficiently with conventional boilers, biomass technology or ground or air source heat pumps
- Supplied as standard in white but casing can be supplied in any colour

## 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

## 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 low temperature cut-out thermostat. Ensure system is balanced for even heat distribution

## Control

Low temperature cut-out thermostat, set to energise fan at approximately 35°C  
Suitable for thermostatic radiator valves (TRV) - not supplied  
Rocker switch - normal/low

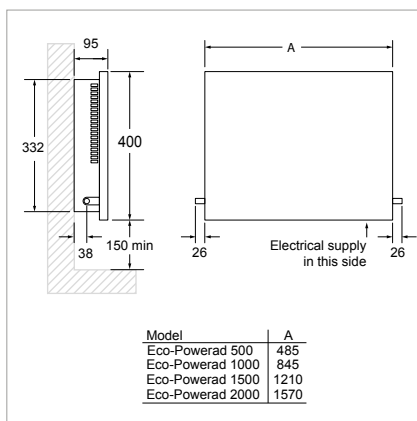
## Specification

To specify state:  
Wall mounted hydronic heat emitter with fan and low temperature cut-out.  
As Smith's Eco-Powerad 500/1000/1500/2000

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## Heat output

Model	Room size guide* (m <sup>2</sup> )	Heat Output at 80° (kW)	Heat Output at 75° (kW)	Heat Output at 70° (kW)	Heat Output at 65° (kW)	Heat Output at 60° (kW)	Heat Output at 55° (kW)	Heat Output at 50° (kW)	Heat Output at 45° (kW)	Heat Output at 40° (kW)
ECO-POWERAD LL 500	14	0.9	0.8	0.8	0.7	0.6	0.5	0.5	0.4	0.3
ECO-POWERAD LL 1000	29	2.4	2.1	1.8	1.6	1.4	1.2	1.0	0.8	0.7
ECO-POWERAD LL 1500	43	2.6	2.4	2.2	2.0	1.9	1.7	1.5	1.2	0.9
ECO-POWERAD LL 2000	57	3.9	3.5	3.2	2.8	2.5	2.2	2.0	1.7	1.3

Model	Flow & return connections	Mains cable	Transformer	Fused spur	Total Power Consumption (Watts)	Water Capacity (Litres)	Sound Levels (dBA)	Casting colour
ECO-POWERAD LL 500	15mm	2m	n/a	3A	15	0.17	28	white
ECO-POWERAD LL 1000	15mm	2m	n/a	3A	18	0.28	30	white
ECO-POWERAD LL 1500	15mm	2m	n/a	3A	33	0.44	31	white
ECO-POWERAD LL 2000	15mm	2m	n/a	3A	36	0.55	32	white

\*Room sizes given in cubic metres for general guidance only based on normal heat output (50°C) for domestic applications - always calculate heat losses. Outputs based on exiting water temperature. Heat outputs tested in accordance with BS4856 using exiting water temperature and 340 l/h (75gph) flow rate. At inlet water temperatures of 75°C and below, all Eco-Powerad models are classified as LST (low surface temperature) appliances. Sound levels measured at 1.5m.

## Ordering guide

Model	Packed Wt (kg)	Product Codes
ECO-POWERAD LL 500 AC	6	HPEP52001
ECO-POWERAD LL 1000 AC	10	HPEP52002
ECO-POWERAD LL 1500 AC	14	HPEP52003
ECO-POWERAD LL 2000 AC	18	HPEP52004

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