

warm air heating

the Electricaire range

Electricaire is a highly controllable heating system particularly suited to larger applications such as schools, libraries, museums and business premises.

Due to its design, the Dimplex Electricaire range offers the most controllable yet cost effective use of the stored heat principle.

By allowing the user unrivalled ability to retain heat for use when required, the user can choose to save heat for when it is needed, or to boost heat using the twin speed fan and day energy feature.

In addition, the Electricaire range offers further control through the use of an external thermostat to regulate fan operation, and an external time clock particularly suited for use in commercial applications to regulate product operation during office hours.

Like other electric heating products, Electricaire allows flexible system design, siting and cost-effective installation, since no expensive flues or fuel storage facilities are required.

And due to its small space requirements, Electricaire offers substantial heating capability for minimal room intrusion, coupled with long working life and minimal maintenance for a cost effective heating solution.



Electricaire features

- Complete controllability.
- Cost effective heating when you want it.
- Two speed fan for rapid heat-up.
- Boost heating feature for additional heat when needed.
- Can be used with external thermostats & time clocks for further control.
- Suitable for use with any off-peak tariffs.
- Flexible installation requirements for minimal room intrusion.
- Can be used stand-alone or with suitable ducting.
- Pre-wired to accommodate single or three phase connection.



technical specifications



Controllability

A tamperproof cover conceals user controls, located on the front panel. There is a variable input control to adjust the charge acceptance between minimum and maximum to suit changing weather conditions. The user can manually control a quiet two speed fan by selecting either normal or boost fan speeds. A day energy switch enables on-peak energy to provide supplementary warm air delivery when heat in the core is depleted. This facility is only available on the Economy 7 commercial tariff. In commercial applications an external time clock may be fitted to give complete control and ensure fan operation ceases at close of business. Connection to an external thermostat provides additional control by regulating the operation of the fan to maintain comfort conditions.

Heating Element

Kanthal D iron/aluminium alloy sheathed in quartz tubes.

Thermal Insulation

Basic insulation – microporus silica and mineral wool. Air passages and base – moulded Vermiculite.

Supply

Units can be connected to 240V ac single phase or 415V ac three phase. Units may operate on all cheap rate tariffs. Connection of main supply is via DIN connectors complete with linking bars to enable single phase / three phase choice to be made on site. Internal wiring incorporates a plug-in linking block to allow different wiring/tariff options to be selected on site. Every unit is therefore capable of being wired on site to cover the following configurations:

1. Single phase Economy 7 (white meter)
2. Single phase standard off-peak
3. Three phase Economy 7 (white meter)
4. Three phase standard off-peak

Cabinet

0.8mm zinc coated mild steel finish with polyester/epoxy powder coated paint.

For a copy of our new, more detailed commercial brochure, please ring Customer Care on 0845 600 5111

Air Filter

A washable polyester filter is located in the detachable filter frame at the front of the unit. All live and moving parts are completely screened by a fixed mesh when the filter is removed.

Plenum Chamber Kit

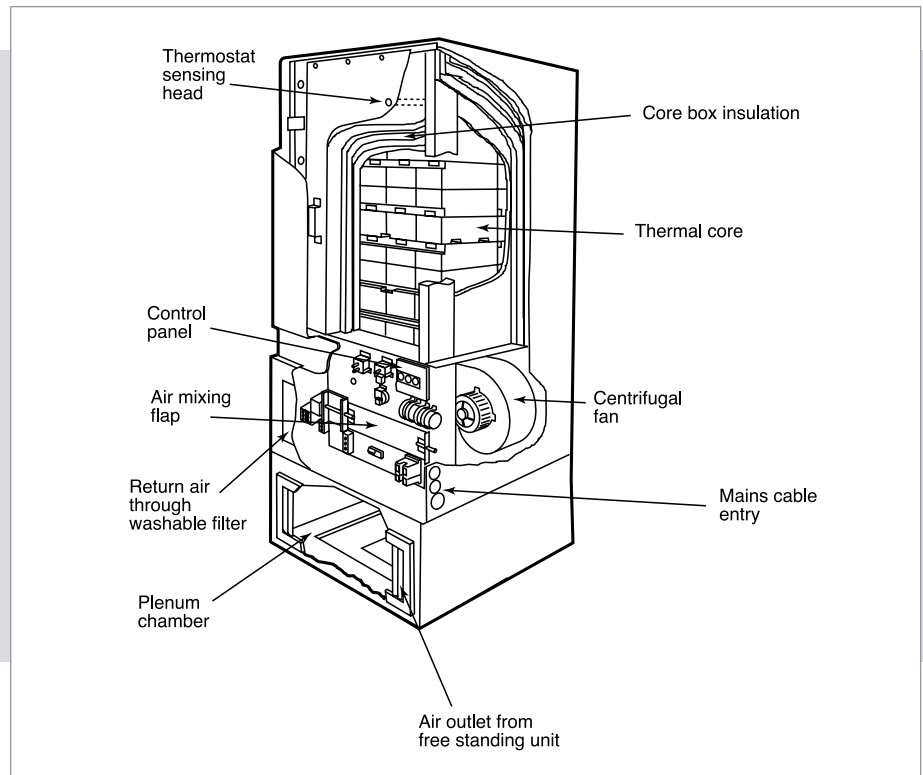
The plenum chamber kit, complete with 3 air register grilles, is ordered and supplied as a

separate component and adds 303mm to the height of the product.

All Electricaire units must be installed on a dedicated plenum (Part No. PLEN/12).

Ducting

In addition to stand-alone use, Electricaire can also be used with ducting dependant on installation.



Model No.	R7*	R8*	R10	R12	R15
Rating	4x1.643kW	5x1.643kW	6x1.643kW	7x1.643kW	9x1.643kW
Active Storage Capacity	47kWh	55kWh	73kWh	84kWh	104kWh
Case Emission	700W	700W	750W	850W	950W
Core Weight	385kg	385kg	385kg	457kg	611kg
Assembled Weight	482kg	482kg	482kg	600kg	754kg
Dimensions (including / excluding plenum chamber)					
Height	1603/1300mm	1603/1300mm	1603/1300mm	1753/1450mm	2053/1750mm
Width	610mm	610mm	610mm	610mm	610mm
Depth	630mm	630mm	630mm	630mm	630mm
Fan Performance (m³/h)					
Normal	625	625	625	710	872
Boost	777	777	777	896	1090
Back Pressure (M Bar)	0.15	0.15	0.15	0.15	0.25
Day Boost Facility Element Rating	2x1.643kW	3x1.643kW	4x1.643kW	5x1.643kW	7x1.643kW

* Supplied as Model R10. R7 & R8 achieved by downrating on site.

We recommend this unit is professionally installed by one of our Electricaire installers. Please contact Customer Care on 0845 600 5111 for more information.