

combination storage & convector heaters

BUILDING REGULATIONS
PART L COMPLIANT†

the CXL/CXLS ranges

This range offers many of the benefits of our popular manual and automatic storage heaters but with the addition of a built in top-up convector heater which provides an independent heat source to supplement stored heat in severe weather, or as the sole heating if heat is required unexpectedly – for example in spring or autumn.

CXLS models incorporate the Dimplex Twin Sensor®* automatic charging system, ensuring the correct charge is taken regardless of changing weather conditions without the need for user adjustments, and complying with Building Regulations Part L1, which requires all electric storage heaters installed in new build to be fitted with automatic charge controls. By providing two heaters in one compact case, the CXL/CXLS saves space, and its smooth curved styling complements XL storage heaters and PLX panel heaters.

The top up convector requires its own electrical supply, has full thermostatic control and frost protection facility.

Range features

- Provides a continuous source of warmth, primarily from cheap off peak electricity.
- Convector gives completely silent top-up heating.
- Convector thermostat can be set to maintain constant room temperatures and automatically switch on as necessary.
- CXL range storage heater controls and components based on market leading XL range, including reliable manual input control and room temperature boost for optimum use of stored heat.
- CXLS range storage heater controls and components based on XLS range, including Twin Sensor® automatic input control and room temperature boost for optimum use of stored heat.
- Conveniently positioned convector controls on the front panel.
- Lower convector loadings selectable on installation.
- Secure wall fixing for safety.
- Feet may be fitted under carpet or on top of suitable floor covering.
- Simple assembly for flexible positioning and quick installation.
- See page 36 for accessories.



Model CXLS18

technical specifications

Internal Details – Storage Heater

1 Storage Core

Material: High density bonded magnetite bricks.

2 Heating Element

Type: Incoloy sheathed in units of 850W.

3 Thermal Insulation

Type (a) Front and Rear Panels – microporous silica.

Type (b) Top and Ends – resin free mineral wool.

Type (c) Base – calcium silicate slab.

4 Supply Connection

Located at front right hand end of base – accessible by removal of front panel assembly. Hidden cable support straps at rear of heater allow neat supply cable connection from either side of heater.

5 Assembly

Remove front panel assembly then front inner skin. Remove internal packing containing elements, position rear layer of bricks, heating elements, and front layer of bricks.

Storage Controls

The control knobs are positioned on the sloping rear top panel of the heater, and are therefore out of sight of young children. The knobs incorporate a cross bar and raised pointer for ease of operation.

1 Charge Controller – CXL

Type: Bi-metal, adjustable from zero charge to fully charged condition

2 Charge Controller – CXLS

Type: Hydraulic close differential room temperature sensing thermostat with external sensor.

3 Thermal Safety Device

Type: Bi-metal – manual reset.

4 Damper Control

Type: Bi-metal strip, selection variable from early to late or zero boost.

Internal Details – Convector Heater

1 Element

Type: Stitched Ribbon.
Material: Nickel/Chrome/Iron.

2 Supply Connection

Located at front left end of heater base. Cable entry at left hand end. Cable support straps at rear of heater allows neat supply connection from either side of heater.

Convector Controls

Located to right of convector air outlet grille.

(A) Room Temperature Thermostat

Type: Hydraulic, adjustable.

(B) Safety Cut-Out

Type: Bi-metallic, disconnect supply to reset type.

(C) ON/OFF Switch

Type: Single pole incorporating neon which illuminates when switch is in ON position.

(D) Neon

An additional neon illuminates when convector heater is drawing current.

(E) Wall fixing bracket

Please refer to diagram on page XX for wall fixing detail.

Finish

Willow White top, sides and front panel.
Contrasting Birch Grey grille, rear heat shield and wall spacer.

Construction Details

Galvanised finish sheet steel base, mounted on steel feet, supporting double skin front and outer panels. One piece front panel/grille assembly and front inner skin remove for brick loading.

Packing

1 Case Assembly

Containing assembled heater case and heating elements. Packed in single carton.

Model CXL12/CXLS12
approx. weight 19.5kg

Model CXL18/CXLS18
approx. weight 24.0kg

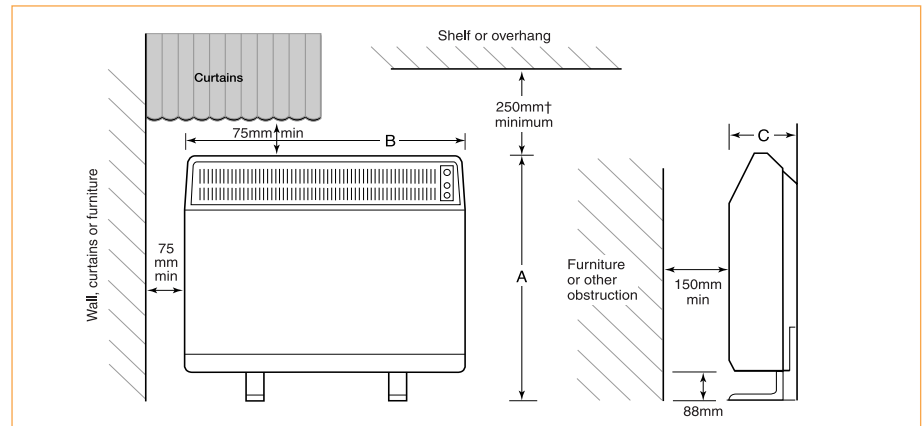
Model CXL24/CXLS24
approx. weight 29.5kg

2 Storage Bricks

Supplied in packs of 2. Approx brick weight 7.5kg each (See above for weight of heater with bricks).

Shelf

An attractive shelf is available in 3 lengths. (See page 28 for photograph).



† When using Dimplex shelves a clearance of 150mm must be maintained.

The wall fixing arrangement is adjustable to accommodate for skirtings up to 150mm high and 25mm deep.

Model	CXL12/CXLS12	CXL18/CXLS18	CXL24/CXLS24
Storage Heater performance			
Input Rating	1.7kW	2.55kW	3.4k
Charge Acceptance 7hr	11.9kWh	17.85kWh	23.8kWh
Convector Heater performance			
Maximum Output	900W	1450W	2000W
Other outputs available (Set on installation)	450W	450W, 1000W	650W, 1350W
DIMENSIONS			
Height (A)	706mm	706mm	706mm
Width (B)	565mm	793mm	1021mm
Depth (C)	193mm	193mm	193mm
Height above floor	88mm	88mm	88mm
Installed Weight	77kg	111kg	146kg
Shelf Model	SHE12	SHE18	SHE24