

CXL & CXLS RANGES

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theheatingbook



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BUILDING REGULATIONS PART L COMPLIANT†



Model CXLS18

Combination storage and convector heaters

the CXL/CXLS storage heater ranges

Combination storage heaters offer many of the benefits of the popular XL and XLS ranges of manual and automatic storage heaters with the addition of a built in “top-up” convector heater.

This provides an independent source of heat to supplement the stored heat in severe weather or as the sole heating source if heat is required unexpectedly – for example during spring and autumn.

CXLS models incorporate the patented Dimplex Twin Sensor™* automatic charging system, ensuring the correct charge is taken regardless of changing weather conditions without the need for user adjustments. These models also meet the requirements of Building Regulations Part L1, which requires all electric storage heaters installed in new buildings to be fitted with automatic charge controls.

By providing two heaters in one compact case, the CXL and CXLS ranges saves space and the smooth curved styling perfectly complements XL storage heaters and PLX panel heaters.

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

*UK patent No: GB2265454.

CXL/CXLS RANGES FEATURES

- Provides a continuous source of warmth, primarily from cheap off peak electricity.
- Convector elements give 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 the market leading XL range, including reliable manual input control and room temperature boost for optimum use of the heat stored.
- 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 the heat stored.
- 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 38 for accessories.

* UK Patent No: GB2265454 † CXLS models.

CXL/CXLS COMBINED STORAGE AND CONVECTOR HEATERS

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, and a simple setting guide is printed on the adjacent wall spacer.

- 1. CHARGE CONTROLLER – CXL**
Type: Bi-metallic, adjustable from zero charge to fully charged condition.
- 2. CHARGE CONTROLLER – CXLS**
Type: Hydraulic close differential room temperature sensing thermostat with linked internal and external sensors.
Dimplex Twin Sensor™: This patented feature offers the most accurate charge control of any automatic storage heater, by using two independent but interlinked sensors. Independent sensors are vital due to the large difference between the room temperature and the temperature of the heater's core. One sensor is situated on the outside of the heater case and the other above the storage core.
- 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 31 for wall fixing detail.

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 below for weight of heater with bricks).

CONSTRUCTION DETAILS

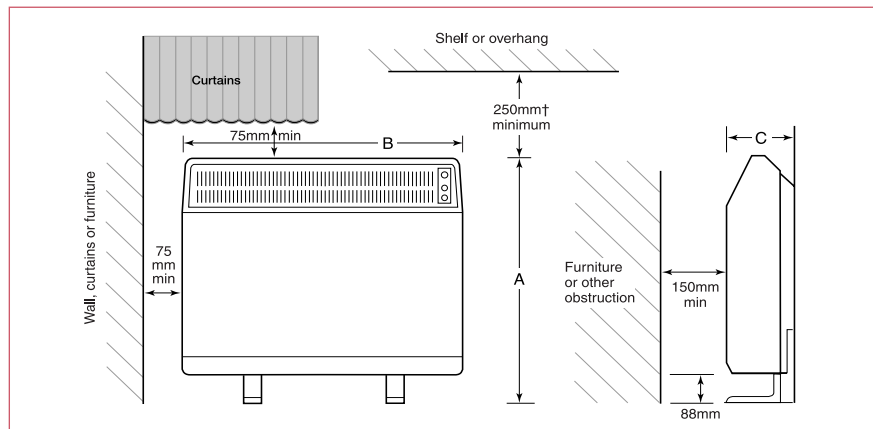
Galvanised finish sheet steel base, mounted on steel feet, supporting double skin front and outer panels. One piece front panel/grille assembly and front inner skin remove for brick loading.

FINISH

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

SHELF

An attractive shelf is available in 3 lengths. (See page 30 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

STORAGE ACCESSORIES

A wide range of accessories are available to increase the versatility of Dimplex storage heaters.

- Storage heater shelves.
- Tamper-proof control kits.
- Protective guards.
- Accessories for people with special needs.

TAMPER-PROOF CONTROL KITS FOR FXL/CXL/CXLS/XL/XLS STORAGE HEATERS

Easily fitted by the installer to prevent user access to the controls.

We recommend that where possible tamper-proof and drip-proof kits are used in conjunction with automatic input storage heaters (XLS/CXLS/FXL).

STORAGE HEATER SHELVES

Available to suit all storage heaters (except VFMi range), these robust steel shelves are finished to match the heaters and provide protection against heaters being covered. A minimum clearance of 150mm between the heater and the shelf must be maintained.

SURFACE TEMPERATURE

Dimplex products comply with EN60335, the European Standard covering safety requirements of electric heating appliances, and momentary contact with any part of the heater should not cause injury. However in order to be effective, heaters of any type do get hot especially around the air outlet grille. Therefore, if aged or infirm persons, or young children, are likely to be left unsupervised in the vicinity of a heater, we advise that precautions should be taken to ensure that contact cannot occur. We recommend that a guard is fitted around the heater as is normal with some types of heating appliance in similar circumstances.

PROTECTIVE GUARDS

A range of protective guards designed for Dimplex storage heaters is available to order. These ensure contact with the hot surface of the heater case is avoided and objects cannot be inserted into the product. Guards can be simply positioned over the heater or fixed to the wall.

USING STORAGE HEATER GUARDS

While the guard will protect against contact with the heater and will be much less hot than the heater, it is important to note that the guard does still get hot, particularly in the area adjacent to the air outlet grille of the heater. For this reason, Dimplex strongly recommend that vulnerable groups such as the elderly, infirm or young children are always adequately supervised in the vicinity of the heater. For situations which demand low surface temperature (L.S.T.), appliance guards to comply with NHS estates guidelines can be made to special order. Guards have a robust epoxy Willow White coating to match the heaters.

ACCESSORIES FOR SPECIAL NEEDS

An accessory control bar is also available for those with impaired manual dexterity. Please contact Dimplex Customer Services for further assistance.

For further information and to order guards please contact our guard supplier, Norfolk Industries direct on 01603 667957 (telephone) or 01603 624265 (fax) or in case of difficulty please contact Dimplex customer services on 0870 727 0101. Guards are also available for other selected ranges of Dimplex heaters including PLX, DX and VFMi ranges.

Model XL12 with fitted guard



ACCESSORY CONVERSION KITS FOR STORAGE HEATERS

PART NO.	FUNCTION HEATER MODELS	SUITABLE FOR	COLOUR
XL9050	Tamper-proof	XL/XLS ranges CXL/CXLS storage heater controls	Willow White
XL9001	Tamper-proof	CXL/CXLS range convector controls	Birch Grey

SHELVES FOR STORAGE HEATERS

MODEL	SHELF REF.	LENGTH	HEIGHT	DEPTH
XL/XLS6	SHE6	412mm	150mm	170mm
XL/XLS/CXL/CXLS12	SHE12	640mm	150mm	170mm
XL/XLS/CXL/CXLS/FXL18	SHE18	870mm	150mm	170mm
XL/XLS/CXL/CXLS/FXL24	SHE24	1095mm	150mm	170mm

After Sales Service

After sales service if required is absolutely no problem with Dimplex – we have a network of appointed Service Agents spread throughout the Country who are qualified and trained to repair or service any of our appliances. A list of Service Agents is available on request.

Bathrooms

Any electrical appliances installed in a bathroom should be fitted by a competent electrician in accordance with the current I.E.E. Regulations.

Portable heaters are NOT suitable for use in a bathroom.

Unless otherwise specified in this brochure, heaters that can be permanently fixed have to be so mounted that any controls cannot be reached by a person using a bath or shower. This restriction does not apply to Dimplex heated towel rails, which do not have controls.

Safety

Dimplex products are designed to comply with EN60335 the British Standard covering the safety requirements of electric heating appliances, and momentary contact with any part of the heater should not cause injury. However, in order to be effective, heaters or towel rails of any type do get hot especially (if applicable) around the air outlet grille. Therefore if aged or infirm persons, or young children, are likely to be left unsupervised in the vicinity of a heater we advise that precautions should be taken. We recommend that a guard is fitted around the heater, as is normal with many types of heating appliance in similar circumstances, to ensure contact with the heater is avoided and objects cannot be inserted into the product.

(Please see page 38 for details of accessory guards.)

Heating appliances should never be covered or positioned where objects may fall onto them.

Specifications

Dimplex policy is one of continuous improvement; the Company therefore reserves the right to alter specifications without notice. Although every care has been taken in the reproduction of product finishes in this brochure, the colour photographs should be taken only as a guide. The information contained in this brochure is correct at the time of printing. You are advised to consult your Dealer before purchasing.

Plugs

All portable appliances are supplied with a fitted plug.

British Electrotechnical Approvals Board BEAB Approved

The mark of the British Electrotechnical Approvals Board signifies that the appliance bearing it has been produced to the stringent safety requirements for domestic electrical appliances as laid down in EN60335.



CE Mark

Products carrying the CE mark comply with European safety standards and the European Standard for electro-magnetic compatibility.



Installation Guidance

This brochure is designed to assist you with your choice of Dimplex products and it is not intended as an installation guide.

For safety, products should only be installed by a competent person, in accordance with current regulations and the manufacturers instructions. If you require further advice concerning the installation of our products – especially where the installed dimensions may be critical to your choice and the location of the product – please contact our customer service department on 0870 727 0101 or consult your installer.

Please note that the dimensions contained within this brochure do not in all cases include clearances required around installed products for safe operation.

Useful Numbers

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Dimplex®

Making life comfortable

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Designed and produced by Carrington Caunter Associates Limited, Christchurch (Bournemouth), Telephone 01202 499612

Selected furniture supplied by BoConcept, Bournemouth / The Furnishing Place, Maidenhead.

Kitchens from Interfit Design Studio, New Milton, Hants. Locations courtesy of: Broomhill Conservatories, Christchurch, Dorset.
Coastal Bathrooms, New Milton, Hants. Everton Nurseries Ltd, Everton, Hants.