Dimplex®

# product catalogue

Ecodesign Compliant
www.lot20.co.uk

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# About Dimplex®

For nearly 70 years Dimplex has built a portfolio of over 700 affordable and attractively-designed heating solutions that are efficient, reliable and durable. This unrivalled experience, combined with our unmatched reputation for quality and innovation is why we remain the market leader in the electric heating world. We offer products to suit both domestic and commercial applications, across a wide range of categories that are easy to install and readily available from your local wholesaler today.

## Installers, specifiers and end users alike trust Dimplex:

- ✓ The world's largest electric heating appliance manufacturer
- ✓ Award-winning customer services team
- ✓ Our associations include: ECA, EDA, BEAMA and HEVAC
- ✓ We produce BEAB-approved products—the highest safety standard in the UK
- ✓ Maintenance free products available
- ✓ Easy to install, setup and use
- ✓ We offer a free heating design service



For more information contact our team:
Call our pre-sales team: 0800 028 6122
Email: pre-sales@glendimplex.com
Visit: www.dimplex.co.uk

For technical support:
Call: 0844 879 3588
Email: customer.services@glendimplex.com
Visit: www.dimplex.co.uk/support

# A Name You Can Trust

We are proud of our long-standing relationship with the trade and our tradition of developing bespoke heating solutions for your customers, providing great value for money, impressive reliability and outstanding customer service.

## Our products, your benefits.

### Tried and tested technology.

All Dimplex products are designed to meet the latest international performance and safety standards. They are subjected to rigorous testing and evaluation using state-of-the-art facilities that recreate challenging environments to ensure our products perform – every time.

### Customer service.

When you choose Dimplex, you have the support of our experienced award winning customer service team, as well as backup provided by our national network of specialist service engineers.

### Wide distribution network.

Our wide distribution network utilises our national and regional partners to ensure full product availability through national and independent distributors.

### Standard Assessment Procedure (SAP).

Dimplex offers electric heating solutions that can make gaining SAP compliance in multiple dwellings easier than you might think. For example the Dimplex Quantum could improve a properties SAP rating by as much as ten points.

### Free design service.

Our in-house design team can provide detailed plans for the application of our technologies which are specific to an individual property. These include full heat loss calculations, energy saving estimates, plus a complete product and accessory specification.

### Product warranty*.

For extra peace of mind, Dimplex offers comprehensive product warranties to ensure continued performance and protection against manufacturing defects. Dimplex Quantum has a 10 year warranty and all EC-Eau cylinders have a 25-year guarantee for the inner cylinder.

* Terms and conditions apply.

# Ecodesign Regulations and Electric Heating

Electric heating is changing, and just like light bulbs and gas boilers, new regulations are redefining the technology that can be sold in the UK.

Here's what you need to know about these upcoming changes:

### What is the Ecodesign Directive?

The Ecodesign Directive sets minimum specification requirements for products that consume energy. It aims to deliver more energy efficient products and reduce their energy consumption.

### How does it work?

It provides requirements that products must meet if they are to continue to be sold. This means that manufacturers must either update their products to comply with the new regulations, or discontinue them and replace with more efficient technologies.

### What is Lot 20?

Lot 20 is the section of Ecodesign that deals specifically with electric heating.

### When will it start?

From the 1st January 2018, electric space heating products manufactured for sale in the UK will have to comply with a new minimum efficiency rating for their category.

### Which products are affected?

The legislation affects the following, and there are different requirements for each category:

- Storage heating
- Direct acting heating (panel heaters and electric radiators)
- Portable heating
- Infra-red heating

The Dimplex Quantum, Q-Rad Electric Radiator, Bathroom Panel Heater and Low Surface Temperature Heater already comply with these new requirements. Look for the 'Ecodesign Compliant' logo on the pages of this brochure and visit www.lot20.co.uk for more information.

Ecodesign Compliant
www.lot20.co.uk

### How does this affect you?

Lot 20 will affect everyone manufacturing and selling electric heating products into the UK. Non-compliant products will no longer be manufactured from the date above, but can still be sold after that date until they are cleared through the market. This means that you will need to change the products that you buy, install and recommend as the new regulations come into the market.

### For more information on this subject please contact:

Email: pre-sales@glendimplex.com Call: 0800 028 6122 Visit: www.dimplex.co.uk

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# Whole House Heating

## Installation

Supplied with metal wall bracket.

## IP Rating

IPX4.

## Cable Entry Point

Bottom right. 1m cable length.

## Thermal Cut-out

Two auto reset cut-outs, one for each element. Thermal fuse protection on front element.

## Element

Radiant: Encapsulated radiant element fixed to the inside of the front panel, covering the whole fascia.
Convector: Compact, finned, mineral-filled sheathed type, providing silent operation.

## Construction

Durable expoxy-polyester powder coated steel casing, with upward facing grille. Temperature resistant nylon thermoplastic moulded parts.

## Controls

Lot 20 compliant with electronic seven day time and temperature.

## Colour

White.

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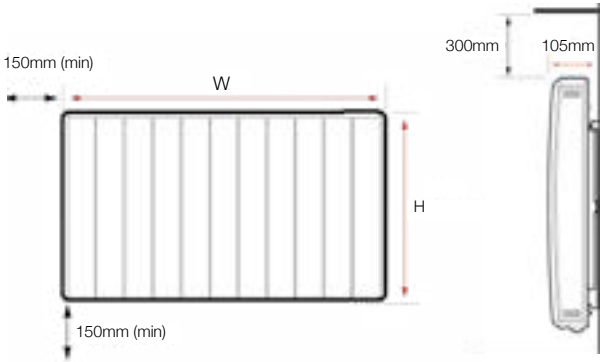
Intertek




| Model | Output (kW) | Convective (W) | Radiant (W) | Height (mm) | Width (mm) | Depth (mm) | Weight (kg) |
|---|---|---|---|---|---|---|---|
| QRAD050 | 0.5 | 301 | 199 | 546 | 513 | 105 | 7.1 |
| QRAD075 | 0.75 | 551 | 199 | 546 | 513 | 105 | 7.1 |
| QRAD100 | 1.0 | 714 | 286 | 546 | 675 | 105 | 8.7 |
| QRAD150 | 1.5 | 1213 | 287 | 546 | 756 | 105 | 9.4 |
| QRAD200 | 2.0 | 1660 | 340 | 546 | 918 | 105 | 11.0 |

# Girona

Panel Heater

Ecodesign Compliant
www.iot20.co.uk

EcoDesign compliant version available spring 2018. (E)

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Intertek

## Installation

Supplied with metal wall bracket.

## IP Rating

IPX4.

## Cable Entry Point

Bottom right. 1m cable length.

## Thermal Cut-out

Auto-reset type.

## Element

Compact, finned, mineral-filled sheathed type, providing virtually silent operation.

## Construction

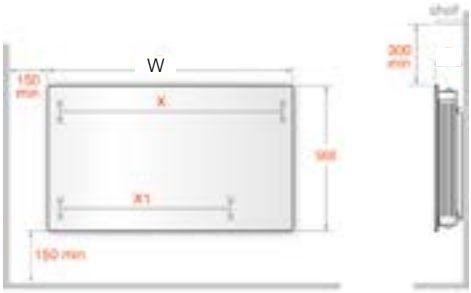
Durable expoxy-polyester powder coated steel casing, with upward facing grille. Temperature resistant nylon thermoplastic moulded parts.

## Controls

Electronic thermostat with choice of plug in modules (page 18).

## Colour

White / Black.




| Model | Output (kW) | Height (mm) | Width (mm) | Depth (mm) | X (mm) | X1 (mm) | Weight (kg) |
|---|---|---|---|---|---|---|---|
| GFP050W(E) | 0.5 | 565 | 530 | 107 | 390 | 168.5 | 13 |
| GFP075W(E) | 0.75 | 565 | 530 | 107 | 390 | 168.5 | 13 |
| GFP100W(E) | 1 | 565 | 700 | 107 | 560 | 338.5 | 16.5 |
| GFP150W(E) | 1.5 | 565 | 770 | 107 | 630 | 408.5 | 20 |
| GFP200W(E) | 2 | 565 | 940 | 107 | 800 | 578.5 | 26 |
| GFP050B(E) | 0.5 | 565 | 530 | 107 | 390 | 168.5 | 13 |
| GFP075B(E) | 0.75 | 565 | 530 | 107 | 390 | 168.5 | 13 |
| GFP700B(E) | 1 | 565 | 700 | 107 | 560 | 338.5 | 16.5 |
| GFP150B(E) | 1.5 | 565 | 770 | 107 | 630 | 408.5 | 20 |
| GFP200B(E) | 2 | 565 | 940 | 107 | 800 | 578.5 | 26 |

# Monterey

Panel Heater

## Installation

Supplied with metal wall bracket.

## IP Rating

IPX4.

## Cable Entry Point

Bottom right. 1m cable length.

## Thermal Cut-out

Auto-reset type.

## Element

Compact, finned, mineral-filled sheathed type, providing virtually silent operation.

## Construction

Durable expoxy-polyester powder coated steel casing, toughened safety glass with upward facing grille. Temperature resistant nylon thermoplastic moulded parts.

## Controls

Electronic thermostat with choice of plug in modules (page 18).

## Colour

White.

Ecodesign Compliant

www.iot20.co.uk

EcoDesign compliant version available spring 2018. (E)

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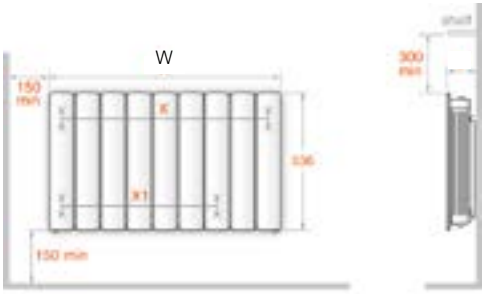
Intertek




| Model | Output (kW) | Height (mm) | Width (mm) | Depth (mm) | X (mm) | X1 (mm) | Weight (kg) |
|---|---|---|---|---|---|---|---|
| MFP050W(E) | 0.5 | 536 | 503 | 104 | 390 | 168.5 | 12 |
| MPF075W(E) | 0.75 | 536 | 503 | 104 | 390 | 168.5 | 12 |
| MFP100W(E) | 1 | 536 | 671 | 104 | 560 | 338.5 | 15 |
| MFP150W(E) | 1.5 | 536 | 741 | 104 | 630 | 408.5 | 17.5 |
| MFP200W(E) | 2 | 536 | 911 | 104 | 800 | 578.5 | 22 |

# PLXE

Panel Heater

Ecodesign Compliant
www.lot20.eu.uk

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## Installation

Detachable wall-mounting 'H' bracket.

## IP Rating

IPX4.

## Cable Entry Point

Bottom right. 1m cable length.

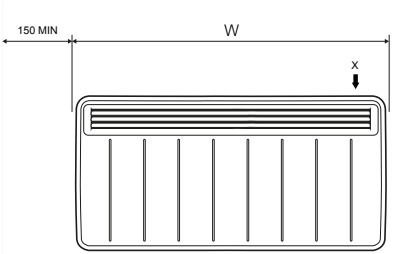
## Thermal Cut-out

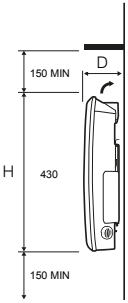
Auto-reset type.

## Element

Compact, finned, mineral-filled sheathed type, providing virtually silent operation.






## Construction

Durable expoxy-polyester powder coated steel casing, with forward facing grille. Temperature resistant PBT thermoplastic moulded parts.

## Controls

Lot 20 compliant with electronic seven day time and temperature.

## Colour

White.

| Model | Output (kW) | Height (mm) | Width (mm) | Depth (mm) | Weight (kg) |
|---|---|---|---|---|---|
| PLX050E | 0.5 | 430 | 450 | 108 | 4.6 |
| PLX075E | 0.75 | 430 | 620 | 108 | 5.9 |
| PLX100E | 1 | 430 | 620 | 108 | 5.9 |
| PLX125E | 1.25 | 430 | 690 | 108 | 6.1 |
| PLX150E | 1.5 | 430 | 690 | 108 | 6.1 |
| PLX200E | 2 | 430 | 860 | 108 | 7.8 |
| PLX300E | 3 | 430 | 860 | 143 | 8.7 |

# PLX

Panel Heater

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Intertek

## Installation

Detachable wall-mounting 'H' bracket.

## IP Rating

IPX4.

## Cable Entry Point

Bottom right. 1m cable length.

## Thermal Cut-out

Auto-reset type.

## Element

Compact, finned, mineral-filled sheathed type, providing virtually silent operation.

## Construction

Durable expoxy-polyester powder coated steel casing, with forward facing grille. Temperature resistant PBT thermoplastic moulded parts.

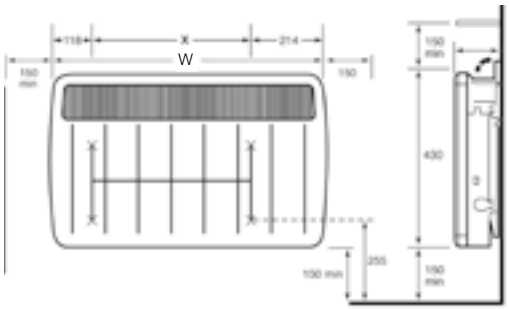
## Controls

Mechanical thermostat
*For 'no controls' add NC to model ref.

## Colour

White.

This product is not Lot 20 compliant. Replacement model PLXE on page 12.






| Model* | Output (kW) | Height (mm) | Width (mm) | Depth (mm) | X (mm) | Weight (kg) |
|---|---|---|---|---|---|---|
| PLX500 | 0.5 | 430 | 450 | 108 | 117 | 4.8 |
| PLX750 | 0.75 | 430 | 620 | 108 | 287 | 6.2 |
| PLX1000 | 1 | 430 | 620 | 108 | 287 | 6.2 |
| PLX1250 | 1.25 | 430 | 690 | 108 | 355 | 6.6 |
| PLX1500 | 1.5 | 430 | 690 | 108 | 355 | 6.6 |
| PLX2000 | 2 | 430 | 860 | 108 | 527 | 8 |
| PLX3000 | 3 | 430 | 860 | 143 | 527 | 10 |

# PLXTI

Panel Heater

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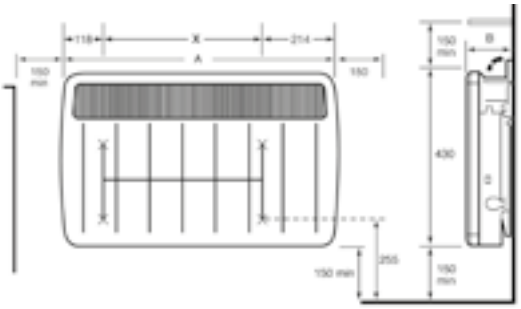
This product is not Lot 20 compliant. Replacement model PLXE on page 12.





## Installation

Detachable wall-mounting 'H' bracket.

## IP Rating

IPX4.

## Cable Entry Point

Bottom right. 1.2m cable length.

## Thermal Cut-out

Auto-reset type.

## Element

Compact, finned, mineral-filled sheathed type, providing virtually silent operation.

## Construction

Durable expoxy-polyester powder coated steel casing, with forward facing grille. Temperature resistant PBT thermoplastic moulded parts.

## Controls

24-hour timer.

## Colour

White.

| Model* | Output (kW) | Height (mm) | Width (mm) | Depth (mm) | X (mm) | Weight (kg) |
|---|---|---|---|---|---|---|
| PLX500TI | 0.5 | 430 | 450 | 108 | 117 | 4.8 |
| PLX750TI | 0.75 | 430 | 620 | 108 | 287 | 6.2 |
| PLX1000TI | 1 | 430 | 620 | 108 | 287 | 6.2 |
| PLX1250TI | 1.25 | 430 | 690 | 108 | 355 | 6.6 |
| PLX1500TI | 1.5 | 430 | 690 | 108 | 355 | 6.6 |
| PLX2000TI | 2 | 430 | 860 | 108 | 527 | 8 |
| PLX3000TI | 3 | 430 | 860 | 143 | 527 | 10 |

# EPX

Panel Heater

## Installation

Detachable wall-mounting 'H' bracket.

## IP Rating

IPX4.

## Cable Entry Point

Bottom right. 1.2m cable length.

## Thermal Cut-out

Auto-reset type.

## Element

Compact, finned, mineral-filled sheathed type, providing virtually silent operation.

## Construction

Durable expoxy-polyester powder coated steel casing, with forward facing grille. Temperature resistant PBT thermoplastic moulded parts.

## Controls

Electronic thermostat with choice of plug in modules (page 18).

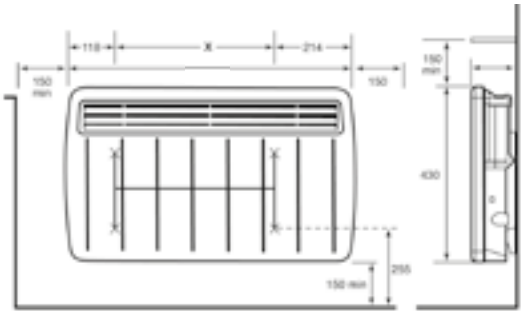
## Colour

White.

BEAB Approved

Intertek

This product is not Lot 20 compliant.
Replacement model PLXE on page 12.






| Model | Output (kW) | Height (mm) | Width (mm) | Depth (mm) | X (mm) | Weight (kg) |
|---|---|---|---|---|---|---|
| EPX500 | 0.5 | 430 | 450 | 108 | 117 | 5.2 |
| EPX750 | 0.75 | 430 | 620 | 108 | 287 | 6.6 |
| EPX1000 | 1 | 430 | 620 | 108 | 287 | 6.6 |
| EPX1250 | 1.25 | 430 | 690 | 108 | 355 | 7.1 |
| EPX1500 | 1.5 | 430 | 690 | 108 | 355 | 7.1 |
| EPX2000 | 2 | 430 | 860 | 108 | 527 | 8.5 |

# Saletto

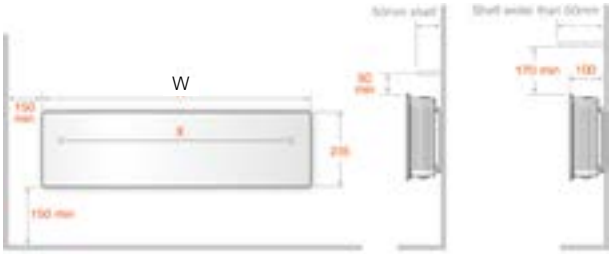
Low Profile Panel Heater

Ecodesign Compliant

EcoDesign compliant version available spring 2018. (E)

BEAB Approved

Intertek




## Installation

Supplied with metal wall bracket.

## IP Rating

IPX4.

## Cable Entry Point

Bottom right. 1m cable length.

## Thermal Cut-out

Auto-reset type.

## Element

Compact, finned, mineral-filled sheathed type, providing virtually silent operation.

## Construction

Durable expoxy-polyester powder coated steel finish. Temperature resistant nylon thermoplastic moulded parts.

## Controls

Electronic thermostat with choice of plug in modules (page 18).

## Colour

White.

| Model | Output (kW) | Height (mm) | Width (mm) | Depth (mm) | X (mm) | Weight (kg) |
|---|---|---|---|---|---|---|
| LPP050 | 0.5 | 235 | 746 | 100 | 671 | 6.7 |
| LPP075 | 0.75 | 235 | 746 | 100 | 671 | 6.7 |
| LPP100 | 1 | 235 | 877 | 100 | 802 | 7.6 |
| LPP150 | 1.5 | 235 | 1142 | 100 | 1067 | 9.9 |

# LST

Low Surface Temperature Panel Heater

## Installation

Supplied with metal wall 'H' bracket.

## IP rating

IP24.

## Cable Entry Point

Bottom right. 1m cable length.

## Thermal Cut-out

Two auto reset cut-outs.

## Element

Compact, finned, mineral-filled sheathed type. Fan assisted.

## Construction

Durable expoxy-polyester powder coated steel casing, with outward facing grille. Temperature resistant nylon thermoplastic moulded parts.

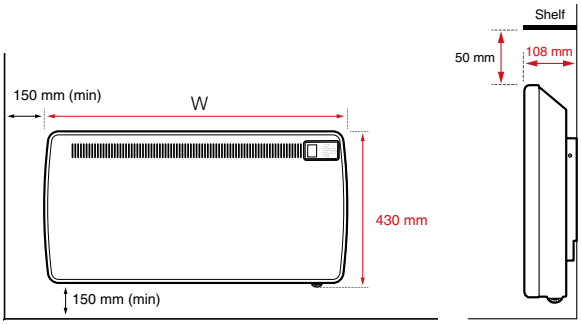
## Controls

Lot 20 compliant with electronic seven day time and temperature.

## Colour

White.

Designed to comply with the maximum surface temperature requirements of 43°C as recommended by NHS estates health guidance notes.




| Model | Output (kW) | Height (mm) | Width (mm) | Depth (mm) | Weight (kg) |
|---|---|---|---|---|---|
| LST050 | 0.5 | 430 | 688 | 108 | 7.1 |
| LST075 | 0.75 | 430 | 688 | 108 | 7.1 |
| LST100 | 1 | 430 | 688 | 108 | 8.7 |
| LST150 | 1.5 | 430 | 860 | 108 | 9.4 |

Choose the functionality you require from the first column, then check that the unit fits your product and specification needs.

| Control requirement | Model | | Signalling method |
|---|---|---|---|
| 24-hour control over one heater | Programmable 24-hour digital timer<br>**RX24TI (White)**<br>**RX24TIB (Black)** | | Single heater |
| Runback timer for one heater | Electronic runback timer<br>**RXRBTI (White)**<br>**RXRBTIB (Black)** | | Single heater |
| Seven-day control over one or multiple heaters | Single zone programming cassette<br>**RXPW1** | | Pilot wire |
| Multi-zone control from a wall-mounted programmer | 4-zone wall-mounted programmers<br>**RXPW4N** | | Pilot wire |
| Running a towel rail or water cylinder from a wall mounted control | Pilot wire interface<br>**RXPWIF** | | Pilot wire |
| Push switch and PIR occupancy sensors | PX range<br>**PX01001**<br>**PXP700**<br>**PX9900** | | Mains |

| Product features | Compatibility |
|---|---|
| • Plugs directly into panel heater<br>• Four programmable time periods<br>• Programme advance and manual override features<br>• Removable cassette<br>• Back-lit LCD with power save mode<br>• 12 hour memory save in event of power failure | Monterey<br>Girona<br>Saletto<br>EPX |
| • Allows heater to operate only for a pre-set period of time<br>• Installer adjustable runback timers, 30 mins to 4 hours<br>• Can be locked into heater<br>• Neon indicator when time period is active<br>• Alternative 'advanced' model allows heater to be controlled on comfort/background basis | Monterey<br>Girona<br>Saletto<br>EPX |
| • Seven-day, single-zone pilot wire programming cassette – plugs directly into heater<br>• Master/slave control – master heater fitted with programmer controls up to 10 slave heaters<br>• Four programmable time periods for weekdays and weekends<br>• Programme advance and manual override features<br>• Removable cassette<br>• Back-lit LCD with power save mode<br>• 12 hour memory save in event of power failure | Monterey<br>Girona<br>Saletto<br>EPX |
| • Wall-mounted, mains powered unit<br>• Installer option to allow switching between comfort/setback, comfort/off or comfort/frost protection modes<br>• Manual programme override facility with automatic return to programme at next times charge<br>• Continuous comfort, setback, frost protection and off modes<br>• Holiday (time absence) mode | LST, Monterey, Girona, Saletto, EPX and DuoHeat |
| • Allows control over ancillary appliances up to 3kW (16A) load<br>• Installed local to appliance being controlled – 38mm single gang wiring accessory back box required (not supplied)<br>• Switches power to appliance when programmer in comfort mode; disconnects supply when programmer in all other modes<br>• Ideal for use with the RXPW4N four-zone pilot wire programmer | Towel rails and hot water immersion heater cylinder rated up to 3kW (16A) load |
| • Ideal to control energy costs in areas such as student accommodation, hotels and offices<br>• Designed for use with the PLX/NC no control panel heaters or any other heaters up to 3kW output (except Quartz)<br>• When activated, room temperature is boosted from background to comfort temperature for a pre-set time period<br>• Comfort temperature, background temperature and time delay selected on installation – user can't adjust settings once installed<br>• PX1001 touchpad activated<br>• PX9700 & PX9900 activated by PIR occupancy detector<br>• PX9900 offers additional level of setback (fixed at 5°C if room is unoccupied after 8 hours) | Monterey<br>Girona<br>Saletto<br>EPX |

## Types of Electric Heater

Many people are still unclear as to the types of electric heating system available, and the meters and tariffs that they use. There are two basic technology types, direct-acting heating and storage heating.

To avoid recommending the wrong type of heater for a property it is important to understand the basic operation of these two technologies. For example, changing an old storage heater to a direct-acting heater could significantly increase the cost of heating that room, and if the meter were also changed from dual to single-rate the cost of the whole properties hot water and night-time appliance use would also go up.

## Direct Acting

Direct-acting heaters use peak-rate electricity to heat a space. These are also known as panel heaters, electric radiators, aluminium radiators or oil-filled radiators, depending on the technology used to house the element. These heaters are all 100% efficient at the point of use and will cost the same amount to run, as they convert peak-rate electricity into heat when it is needed, through a single-rate electric meter.

The heaters prior to this page in the 'Whole House Heating' section are all direct-acting heaters. These units are perfect for new-build and well-insulated properties, or rooms that have low or occasional requirements for use such as bedrooms, studies and light commercial spaces. They are also ideal for use within a building that does not have a dual-rate (off-peak) electric meter.



## Storage Heating

Storage heaters use off-peak energy (costing around half that of peak-rate energy per kW) to heat a space. These heaters take energy in at night and store it ready for use the next day. Storage heaters are cheaper to operate than direct-acting heaters because they use energy taken in during the off-peak (cheaper) periods. They can do this because of a dual-rate electric meter, which provides electricity at two rates/prices (peak and off-peak). This often means that the hot water needs of the property are met using cheaper electricity, as well as any appliances that are used during these off-peak times.

## High Heat Retention Storage Heating (HHRSH)

The modern replacement option for traditional storage heaters, high-heat retention storage heaters use the latest technology to store heat for longer and release it only when it's needed.

High Heat Retention Storage Heaters are the cheapest way to heat a room electrically for 24hrs, and replacing traditional storage heaters with HHRSH units in a property will improve the EPC rating, running cost, comfort and control offered by the system.

QUANTUM heating system

Off-peak Heater

## Installation

Floor standing and fixed to wall via wall fixing bracket.

## IP Rating

IPX2 - QM050 soon to be IPX4.

## Cable Entry Point

Dual entry, both sides bottom right. No cable supplied.

## Thermal Cut-out

Electromechanical.

## Elements

Incoloy sheathed.

## Construction

High density bonded magnetite energy cells surrounded with micrporous silica and calcium silicate slab insulation all enclosed in an attractive case.

## Controls

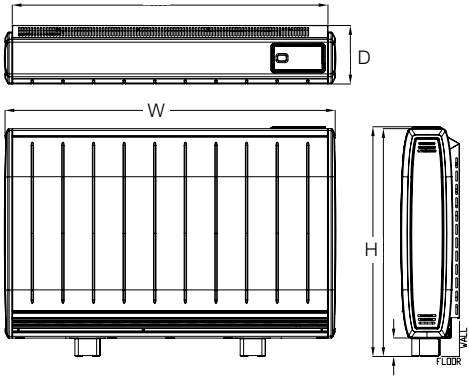
Lot 20 compliant with electronic seven day time and temperature.

## Colour

White.

Ecodesign Compliant
www.lot20.eu.uk

BEAB Approved
Intertek




| Model | Input (kW) | Output (kW) | Boost (kW) | Height (mm) | Width (mm) | Depth (mm) | Weight (kg) | Installed weight (kg) | Energy pack requirement |
|---|---|---|---|---|---|---|---|---|---|
| QM050 | 1.1 | 0.5 | 0.4 | 730 | 580 | 185 | 27.2 | 66 | 4 |
| QM070 | 1.56 | 0.7 | 0.63 | 730 | 703 | 185 | 24.8 | 83 | 6 |
| QM100 | 2.2 | 1.0 | 0.88 | 730 | 865 | 185 | 29.4 | 107 | 8 |
| QM125 | 2.76 | 1.25 | 1.13 | 730 | 1069 | 185 | 38 | 135 | 10 |
| QM150 | 3.3 | 1.5 | 1.3 | 730 | 1069 | 185 | 38.6 | 155 | 12 |

A tall feet kit (QFEET) is available to take skirting board clearance from 28mm x 123mm to 28mm x 203mm

# XLE

Storage Heater

## Installation

Floor standing and fixed to wall via wall fixing bracket.

## IP Rating

IPX2.

## Cable Entry Point

Dual entry, both sides bottom right. No cable supplied.

## Thermal Cut-out

Electromechanical.

## Elements

Incoloy sheathed.

## Construction

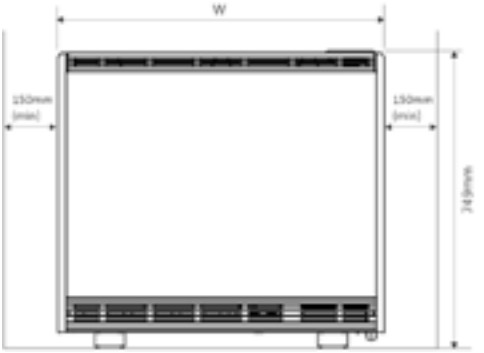
High density bonded magnetite energy cells insulated with microtherm on back front and top.

## Controls

Lot 20 compliant with electronic seven day time and temperature.

## Colour

White.






| Model | Input (kW) | Output (kW) | Height (mm) | Width (mm) | Depth (mm) | Weight (kg) | Max. Storage capacity (kWh) |
|---|---|---|---|---|---|---|---|
| XLE050 | 1.02 | 0.5 | 749 | 580 | 185 | 65 | 7.14 |
| XLE070 | 1.56 | 0.5 | 749 | 700 | 185 | 87 | 10.92 |
| XLE100 | 2.22 | 1 | 749 | 723 | 185 | 109 | 15.54 |
| XLE125 | 2.76 | 1.25 | 749 | 945 | 185 | 135 | 19.32 |
| XLE150 | 3.3 | 1.5 | 749 | 1067 | 185 | 157 | 23.1 |

Dimplex
DUOHEAT™ RADIATOR

## Installation

Floor standing and fixed to wall via wall fixing bracket.

## Cable Entry Point

Bottom right. 1.6m cable length.

## Thermal Cut-out

Auto-reset type.

## Elements

Incoloy sheathed in units of 650W. Encapsulated microwire element (front panel).

## Construction

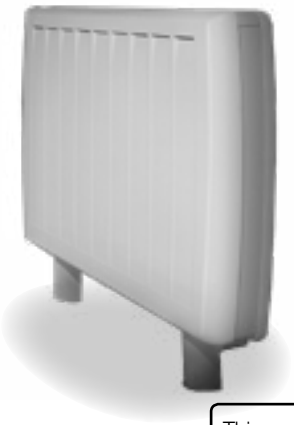
Durable polyester coated steel front and rear casing, mounted on plastic feet. Insulated heat-retaining core behind inner front skin.

## Controls

Electronic thermostat.

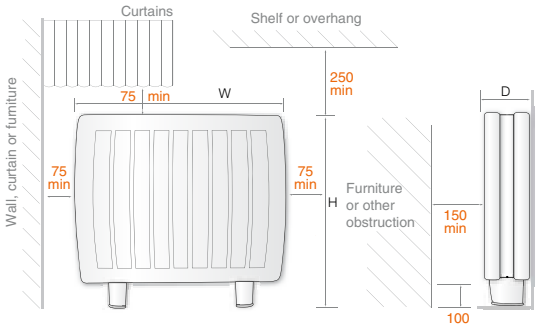
## Colour

White.



BEAB Approved
Intertek

This product is not Lot 20 compliant. Replacement model XLE on page 22.





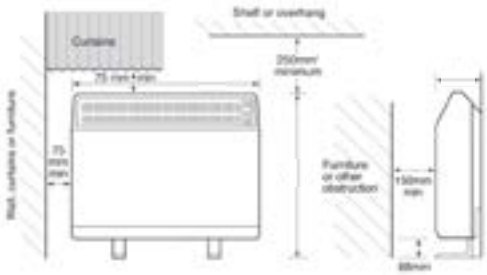

| Model | Input (kW) | Output (kW) | Radiant (kW) | Height (mm) | Width (mm) | Depth (mm) | Weight (kg) | Max. storage capacity (kWh) |
|---|---|---|---|---|---|---|---|---|
| DUO300N | 1.3 | 0.7 | 0.38 | 712 | 600 | 130 + 10 | 65 | 9.1 |
| DUO400N | 1.95 | 1 | 0.47 | 712 | 830 | 130 + 10 | 94 | 13.65 |
| DUO500N | 2.6 | 1.4 | 0.54 | 712 | 1060 | 130 + 10 | 124 | 18.2 |

# CXLSN

Combination Storage Heater

This product is not Lot 20 compliant.
Replacement model XLE on page 22.





## Installation

Floor standing and fixed to wall via wall fixing bracket.

## IP Rating

IPX2.

## Cable Entry Point

Bottom right. No cable supplied.

## Thermal Cut-out

Bi-metal - manual reset.

## Element

Storage: Incoloy sheathed in units of 850W.
Convector: Stitched ribbon - can be de-rated by 50% on installation.

## Construction

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

## Controls

Mechanical thermostat.

## Colour

White.

| Model | Input (kW) | Height (mm) | Width (mm) | Depth (mm) | Storage bricks required | Weight (kg) | Weight inc. bricks (kg) | Convector (W) | Max. storage (kWh) |
|---|---|---|---|---|---|---|---|---|---|
| CXLS12N | 1.7 | 706 | 565 | 193 | 8 | 19.5 | 77 | 900 | 11.9 |
| CXLS18N | 2.55 | 706 | 793 | 193 | 12 | 24 | 111 | 1450 | 17.85 |
| CXLS24N | 3.4 | 706 | 1021 | 193 | 16 | 29.5 | 146 | 2000 | 23.8 |

# XLSN

Automatic Storage Heater

## Installation

Floor standing and fixed to wall via wall fixing bracket.

## IP Rating

IPX2.

## Cable Entry Point

Bottom right. No cable supplied.

## Thermal Cut-out

Bi-metal - manual reset.

## Element

Incoloy sheathed in units of 850W.

## Construction

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

## Controls

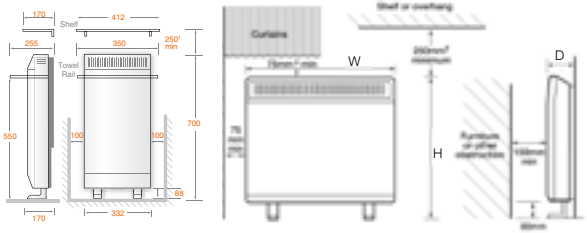
Mechanical thermostat.

## Colour

White.

This product is not Lot 20 compliant.
Replacement model XLE on page 22.






| Model | Input (kW) | Height (mm) | Width (mm) | Depth (mm) | Storage bricks required | Weight (kg) | Weight inc.bricks (kg) | Max. storage (kWh) |
|---|---|---|---|---|---|---|---|---|
| XLS6N | 0.85 | 700 | 332 | 170 | 4 | 11 | 41 | 5.95 |
| XLS12N | 1.7 | 706 | 565 | 146 | 8 | 20 | 76 | 11.9 |
| XLS18N | 2.55 | 706 | 793 | 146 | 12 | 26 | 109 | 17.85 |
| XLS24N | 3.4 | 706 | 1021 | 146 | 16 | 32 | 144 | 23.8 |

# Kitchen & Bathroom

# BPH

Bathroom Panel Heater

## Installation

Supplied with metal wall bracket.

## IP Rating

IP25.

## Cable Entry Point

Bottom right. 1.3m cable length.

## Thermal Cut-out

Auto-reset type.

## Element

Extruded aluminium plate element operated via an advanced controller equipped with seasonal adjustment to prevent room temperature overshoot.

## Construction

Polyester powder coated steel or mirror front panel provided convection heat with a brushed aluminium towel rail.

## Controls

Lot 20 compliant with electronic seven day time and temperature.

## Colour

White metal (M) / mirrored glass (G).

Ecodesign Compliant
www.lot20.co.uk

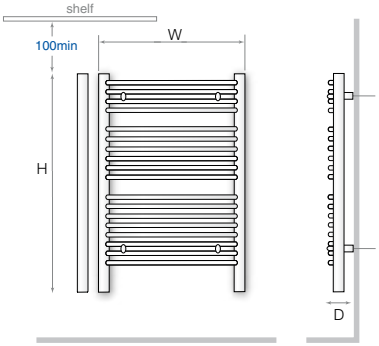
BEAB Approved
Intertek

Also available in mirrored glass finish.

| Model | Output (kW) | Height (mm) | Width (mm) | Depth (mm) | Weight (kg) |
|---|---|---|---|---|---|
| BPH100G | 1.0 | 1073 | 418 | 271 | 19.0 |
| BPH100M | 1.0 | 1100 | 430 | 265 | 12.0 |

# TDTR

Towel Rail




## Installation

Supplied with metal wall brackets.

## IP Rating

IPX5.

## Cable Entry Point

Bottom left. 1m cable length.

## Thermal Cut-out

Built-in temperature limiter and overheat protection.

## Element

Submersion element with temperature limiter and fuse link.

## Construction

Sealed steel shell, D-shaped upright bars.

## Colour

Chrome / White.



| Model | Colour | Output (W) | Height (mm) | Width (mm) | Depth (mm) | Weight (kg) | No. of rails |
|---|---|---|---|---|---|---|---|
| TDTR175W | White | 175 | 610 | 453 | 80-100 | 6 | 12 |
| TDTR350W | White | 350 | 843 | 602 | 95-115 | 11 | 18 |
| TDTR175C | Chrome | 120 | 610 | 453 | 80-100 | 6 | 12 |
| TDTR350C | Chrome | 250 | 843 | 602 | 95-115 | 11 | 18 |

# CPTS

Towel Rail

## Installation

Supplied with metal wall brackets.

## IP Rating

IPX5.

## Cable Entry Point

Bottom left. 1m cable length.

## Thermal Cut-out

Built-in temperature limiter and overheat protection.

## Element

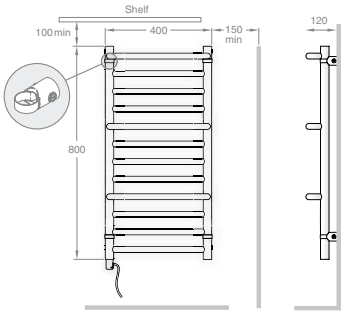
Submersion element with temperature limiter and fuse link.

## Construction

Sealed steel shell. Circular tubed upright bars. Vertically mounted element.

## Colour

Chrome / White.

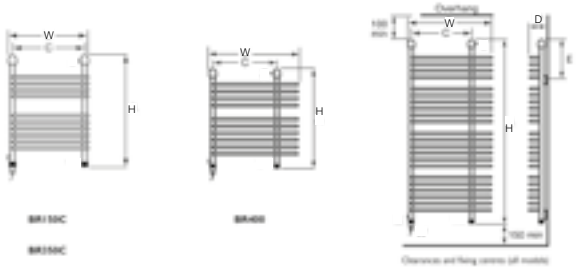





| Model | Colour | Output (W) | Height (mm) | Width (mm) | Depth (mm) | Weight (kg) | No. of rails |
|---|---|---|---|---|---|---|---|
| CPTS | Chrome | 120 | 800 | 400 | 120 | 7.4 | 12 |
| CPTSW | White | 150 | 800 | 400 | 120 | 7.4 | 12 |

# BR

Towel Rail




## Installation

Supplied with metal wall brackets.

## IP Rating

IPX5.

## Cable Entry Point

Bottom left. 1m cable length.

## Thermal Cut-out

Built-in over temperature cut-out.

## Element

Vertical mounted immersion element.

## Construction

Sealed, liquid filled steel shell. Water based fluid with glycol frost/ corrosion inhibitor.

## Colour

Chrome / White.

| Model | Output electric (W) | Output water (W) | Height (mm) | Width (mm) | C (mm) | Depth (mm) | E (mm) | Weight (kg) | No. of rails |
|---|---|---|---|---|---|---|---|---|---|
| BR150C | 150 | 320 | 665 | 430 | 385 | 155 | 268 | 6.5 | 10 |
| BR350C | 350 | 750 | 1003 | 630 | 603 | 155 | 268 | 13 | 16 |
| BR400W | 400 | 840 | 1003 | 630 | 447 | 155 | 268 | 15 | 16 |

# TTR
Towel Rail

## Installation
Supplied with metal wall brackets.

## IP Rating
IPX5.

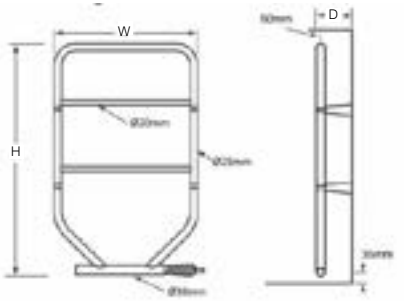
## Electrical connections
Left or right. 1m cable length.

## Thermal Cut-out
Built-in temperature limiter and overheat protection.

## Element
Sealed electrical element.

## Construction
Tubular steel, Water-glycol filled.

## Colour
Chrome / White.

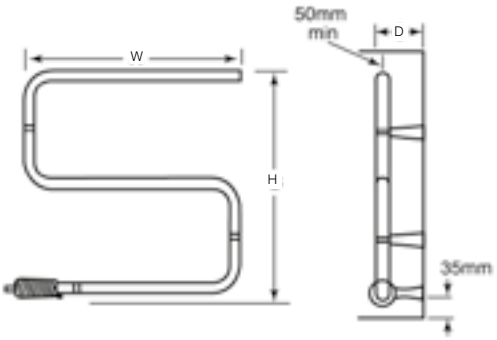





| Model | Colour | Output (W) | Height (mm) | Width (mm) | Depth (mm) |
|---|---|---|---|---|---|
| TTRC90/W | Chrome | 60 | 616 | 533 | 93 |
| TTRS120/W | White | 120 | 616 | 533 | 93 |
| TTRC130W | Chrome | 90 | 851 | 533 | 93 |
| TTRC150/W | Chrome | 120 | 851 | 787 | 93 |
| TTRS175/W | White | 175 | 851 | 533 | 93 |

# S

Towel Rail




## Installation

Supplied with metal wall brackets.

## IP Rating

IPX4.

## Cable Entry Point

Left or right. 1m cable length.

## Thermal Cut-out

Surface temperature regulated by steady state dissipation of heat from the low wattage element.

## Element

Vertical mounted immersion element.

## Construction

Tubular Steel, Dry element.

## Colour

Chrome / White.

| Model | Colour | Output (W) | Height (mm) | Width (mm) | Depth (mm) |
|---|---|---|---|---|---|
| S50C | Chrome | 45 | 555 | 568 | 93 |
| S50W | White | 45 | 555 | 568 | 93 |

# LSTS

Low Surface Temperature Towel Rail

## Installation

Supplied with metal wall brackets.

## IP Rating

IPX4.

## Cable Entry Point

Left or right. 1m cable length.

## Thermal Cut-out

Surface temperature regulated to a maximum of 43°C by automatic resetting thermal cut-out.

## Element

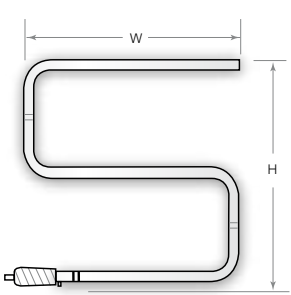
Vertical mounted immersion element.

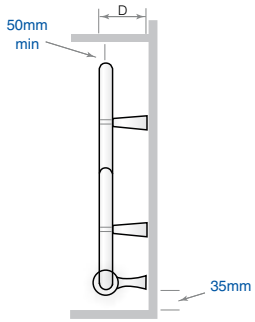
## Construction

Tubular Steel, Dry element.

## Colour

White.






| Model | Output | Height (mm) | Width (mm) | Depth (mm) | Weight (kg) |
|---|---|---|---|---|---|
| LSTS | 15 | 555 | 568 | 93 | 1.7 |

# FSC

Towel Rail Control

FSCW

FSCC

## IP Rating

IPX4.

## Cable Entry Point

Bottom left. No cable supplied.

## Colour

White / Chrome.



- Allows the towel rail to be switched on or off, and for the surface temperature to be adjusted.
- Five settings that progressively reduce the temperature of the towel rail and also the energy that it uses.
- 'Eco' mode, which allows you to dry a towel without having to leave the towel rail on indefinitely.
- Compatible with Dimplex CPT, TDTR, BR, TR and S rails.

| Model | Height (mm) | Width (mm) | Depth (mm) | Weight (kg) |
|---|---|---|---|---|
| FSCC | 87mm | 87mm | 25mm* | 0.1 |
| FSCW | 87mm | 87mm | 25mm* | 0.1 |

*Total product depth is 25mm, 5mm of which will be recessed into the backbox.

# FX20

Downflow Heater

## Installation

Two upper keyhole slots are provided together with a third fixing hole.

## IP Rating

FX20 - IPX2.
FXIPX4 - IPX4.

## Cable Entry Point

Middle, top. No cable supplied.

## Thermal Cut-out

Manually resettable thermal overload cut out and thermal fuselink.

## Element

2kW stitched type with thermal fuse protection. Adjustable to 1kW on installation.

## Construction

Double insulated plastic case. Moulded in flame retardant self extinguishing grade nylon.

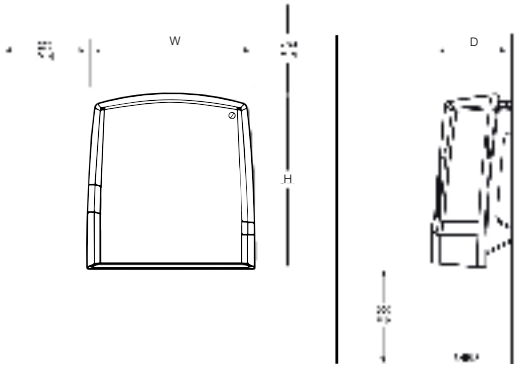
## Colour

White.

FX20

FX20IPX4

BEAB Approved
Intertek

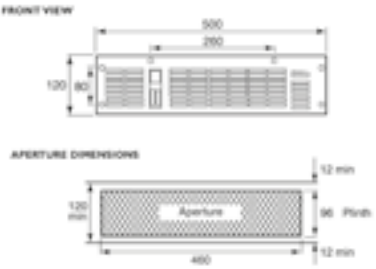



| Model | Output (kW) | Height (mm) | Width (mm) | Depth (mm) | Weight (kg) |
|---|---|---|---|---|---|
| FX20V | 2 | 242 | 229 | 109 | 1.1 |
| FX20VE | 2 | 242 | 229 | 109 | 1.1 |
| FX20VL | 2 | 242 | 229 | 109 | 1.1 |
| FX20IPX4 | 2 | 267 | 250 | 131 | 1.4 |
| FX20EIPX4 | 2 | 267 | 250 | 131 | 1.4 |

# BFH

Plinth Heater

BEAB Approved
Intertek




## Installation

Adjustable rear support bracket for horizontal installation.

## Cable Entry Point

Rear left. 2m cable length.

## Thermal Cut-out

Interrupt supply to reset type.

## Element

Fully strung, helically wound, 800W and 1600W combine to give 2400W maximum output.

## Construction

Front air inlet with integral axial fan and heating element.

## Controls

Integrated (T) and remote control (R) versions available.

## Colour

Brown / White / Stainless Steel (all included).

| Model | Max. output (kW) | Optional output (W) | Height (mm) | Width (mm) | Depth (mm) | Weight (kg) |
|---|---|---|---|---|---|---|
| BFH24BWST | 2.4 | 800, 1600 | 120 | 500 | 210 | 4.5 |
| BFH24BWSR | 3.4 | 800, 1600 | 120 | 500 | 210 | 4.5 |

# BUH

Plinth Heater

## Installation

Adjustable rear support bracket for horizontal installation. Supplied with flexible hoses and isolating valves.

## Cable Entry Point

Rear left. 2m cable length.

## Thermal Cut-out

Interrupt supply to reset type.

## Element

Wet heat exchanger for central heating system.

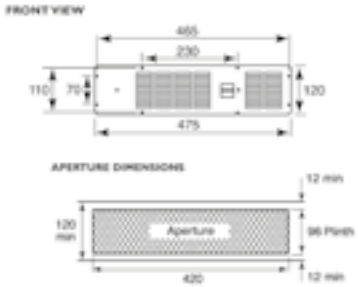
## Construction

Front air inlet with integral axial fan and heat exchanger for wet heating systems.

## Colour

Brown / White /
Stainless Steel (all included).

BEAB Approved
Intertek

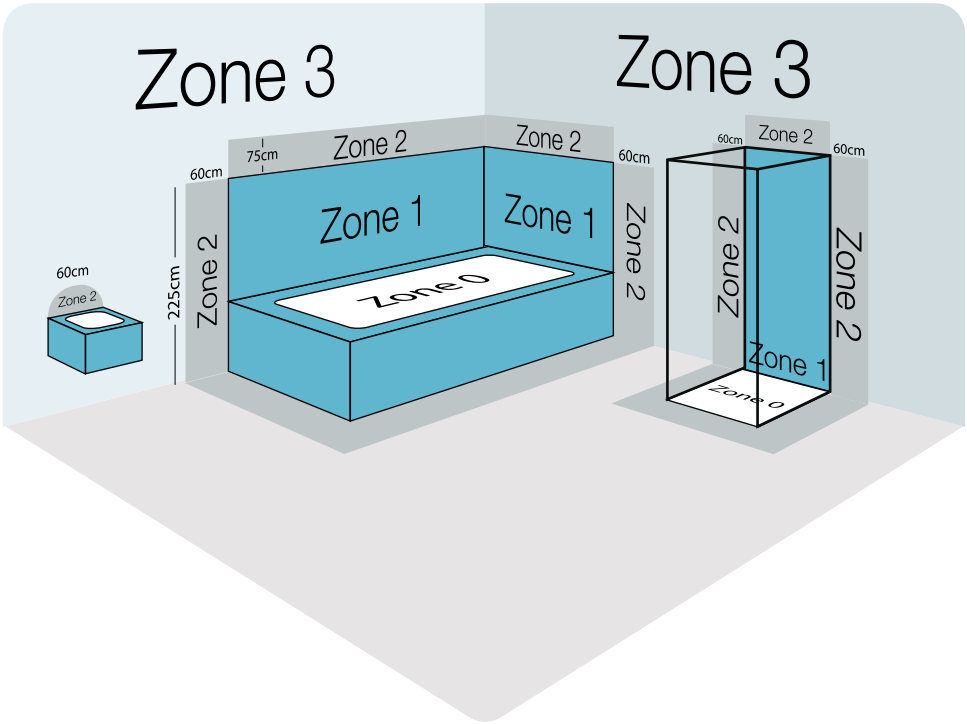





| Model | Max. output (kW) | Optional output (W) | Height (mm) | Width (mm) | Depth (mm) | Weight (kg) |
|---|---|---|---|---|---|---|
| BUH19B/W/S | 2.4 | 800, 1600 | 120 | 500 | 235 | 3.9 |

# IP Rating Chart

Zones:




**Zone 0**
This zone requires a minimum of IP67.

**Zone 1**
Requires a minimum of IPX4. This is the area directly above a bath and within a shower cubicle.

**Zone 2**
Same as above, requires a minimum of IPX4.

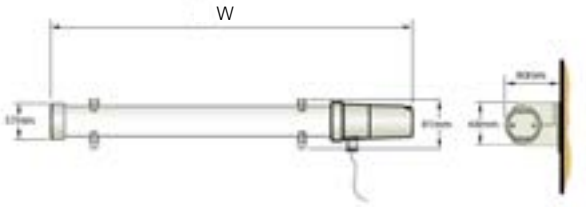
**Outside of Zones**
For areas outside of these zones (previously known as Zone 3), normal rules apply and no IP rating is required.

| Product | IP | Page |
|---|---|---|
| BPH Bathroom Panel Heater | IPX5 | 27 |
| TDTR Towel Rail | IPX5 | 28 |
| CPTS Towel Rail | IPX5 | 29 |
| BR Towel Rail | IPX5 | 30 |
| TTR Towel Rail | IPX5 | 31 |
| S Towel Rail | IPX4 | 32 |
| LST Towel Rail | IPX4 | 33 |
| FX20IPX4 Downflow Heater | IPX4 | 35 |
| FX20EIPX4 Downflow Heater | IPX4 | 35 |

# Miscellaneous Heating

# ECOT

Tubular Heater




## Installation

Horizontal wall mounting via supplied wall brackets.

## IP Rating

IPX4.

## Cable Entry Point

Left or right. 1.5m cable length.

## Thermal Cut-out

Auto-reset type.

## Element

Coiled type.

## Construction

Tubular construction encloses heating element with thermostatic controls.

## Controls

Mechanical thermostat.

## Colour

White.

| Model | Loading (W) | Height (mm) | Width (mm) | Depth (mm) | Weight (kg) |
|---|---|---|---|---|---|
| ECOT1FT | 40 | 81 | 408 | 80 | 0.5 |
| ECOT2FT | 80 | 81 | 713 | 80 | 0.6 |
| ECOT3FT | 120 | 81 | 1018 | 80 | 0.8 |
| ECOT4FT | 160 | 81 | 1323 | 80 | 1 |
| ECOT5FT | 200 | 81 | 1630 | 80 | 1.1 |
| ECOT6FT | 240 | 81 | 1933 | 80 | 1.3 |

# MPH

Coldwatcher

## Installation

Floor standing or fixed to wall via fixing holes in the wall bracket.

## IP Rating

IPX4.

## Cable Entry Point

Bottom right. 1.8m cable length.

## Thermal Cut-out

Interrupt supply to reset type. Professionally tested for frost protection to BS EN60675:1995.

## Element

Mineral filled type.

## Construction

Rugged and long lasting steel construction encloses element.

## Controls

Thermostatic with frost protection.

## Colour

Grey.

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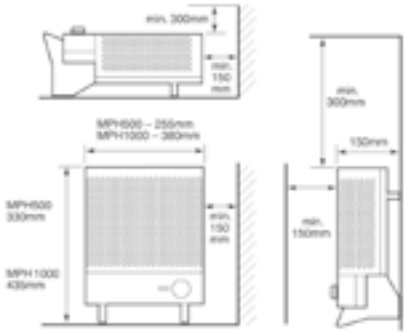
Intertek




| Model | Output (W) | Height (mm) | Width (mm) | Depth (mm) | Weight (kg) |
|---|---|---|---|---|---|
| MPH500 | 500 | 330 | 255 | 150 | 2.56 |
| MPH1000 | 1000 | 435 | 380 | 150 | 3.88 |

# DXLWP

Portable Panel Heater

BEAB Approved
Intertek

## Installation

Floor standing or fixed to wall via fixing holes in the wall bracket.

## IP Rating

IPX0.

## Cable Entry Point

Bottom right - plug attached.
1.5m cable length.

## Thermal Cut-out

Overheat safety cut-out.

## Element

Foil.

## Construction

Steel case mounted on feet or wall brackets encloses convective element.

## Controls

ARLWP800Ti - Choice of heat settings.
TI - 24hr programmable timer.

## Colour

White.

| Model | Output (W) | Height (mm) | Width (mm) | Depth (mm) | Depth (wall) (mm) | Weight (kg) |
|---|---|---|---|---|---|---|
| DXLWP400 | 400 | 530 | 600 | 200 | 30 | 4.6 |
| DWLP400TI | 400 | 530 | 600 | 200 | 30 | 4.6 |
| DXLWP800 | 800 | 530 | 800 | 200 | 30 | 5.9 |
| ARLWP800Ti | 800 | 530 | 800 | 200 | 30 | 5.9 |

# IRX

Infra-red Heater

## Installation

Horizontal wall mounting via supplied mounting plate.

## IP Rating

IP24.

## Cable Entry Point

Centre. No cable supplied.

## Element

Spiral element(s) encased in transparent insulating silica sleeves.

## Construction

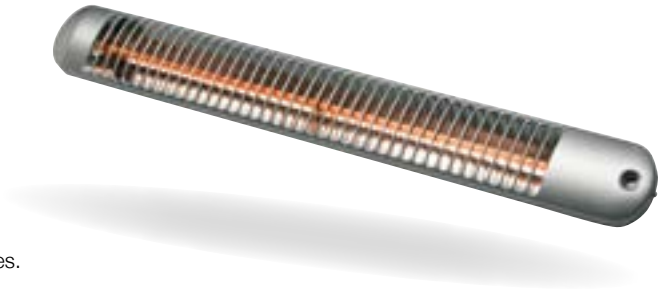
Steel case mounted on wall brackets encloses convective element.

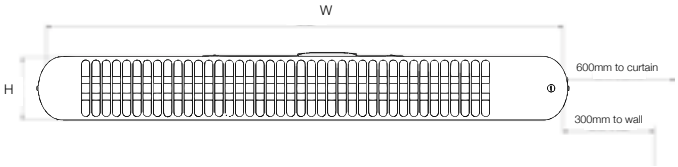
## Controls

Pull cord operation.
IRX200N - Choice of heat settings.

## Colour

Silver.






| Model | Output (kW) | Height (mm) | Width (mm) | Depth (mm) | Weight (kg) |
|---|---|---|---|---|---|
| IRX50N | 0.5 | 114 | 764 | 92.5 | 2 |
| IRX120N | 1.2 | 114 | 764 | 92.5 | 2 |
| IRX200N | 2 | 114 | 764 | 92.5 | 2.1 |

# Portable Heating

# DXTT3

Garage Heater

## Installation

Horizontal wall mounting via supplied mounting plate or free standing.

## IP Rating

IP21.

## Cable Entry Point

Bottom back. 1.5m cable length.

## Thermal Cut-out

Auto-reset type.

## Element

PTC dual ceramic.

## Construction

Plastic with steel grille.

## Controls

Built in mechanical room thermostat.

## Colour

Black and yellow.

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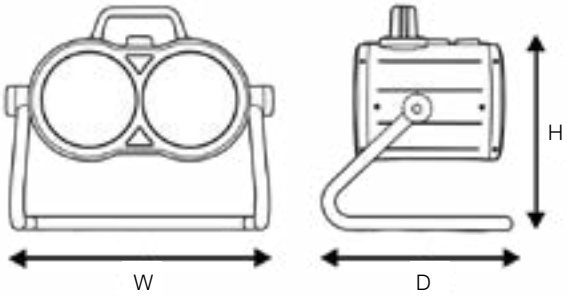
Intertek





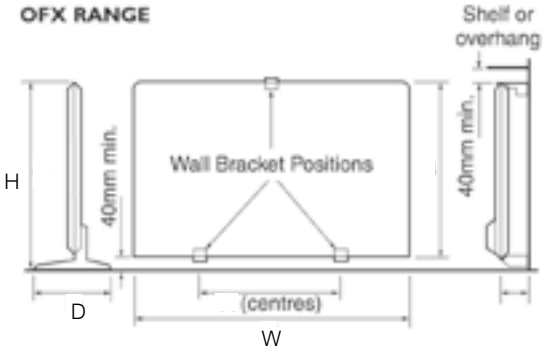

| Model | Output (kW) | Height (mm) | Width (mm) | Depth (mm) | Weight (kg) |
|---|---|---|---|---|---|
| DXTT3 | 1.5/3 | 280 | 470 | 290 | 4.65 |

# OFX/MK1

Oil-Filled Panel Heater

BEAB Approved
Intertek






## Installation

Floor standing or fixed to wall via fixing holes in the wall bracket.

## Cable Entry Point

Bottom right. 1.5m cable length.

## Thermal Cut-out

OFX - Manual and auto-reset type.

MK1 - Manual and auto-reset type.

## Element

OFX - Incoloy sheathed.

MK1 - Incoloy sheathed.

## Construction

Oil-filled steel case mounted on feet or wall brackets encloses convective element.

## Controls

Thermostatic.

## Colour

White.

| Model | Output (kW) | Heat Settings | Timer | Height (mm) | Width (mm) | Depth (mm) | Weight (kg) |
|---|---|---|---|---|---|---|---|
| OFX750/(TI) | 0.75 | N/A | Y-TI | 500 | 741 | 230 | 9.5 |
| OFX1000/(TI) | 1 | N/A | Y-TI | 586 | 854 | 230 | 12.9 |
| OFX1500/(TI) | 1.5 | N/A | Y-TI | 670 | 1084 | 230 | 17.8 |
| B48 | 0.75 | N/A | x | 694 | 635 | 220 | 9.5 |
| C412 | 1 | N/A | x | 694 | 905 | 220 | 14 |
| D416 | 1.5 | N/A | x | 694 | 1170 | 220 | 18.5 |
| E420 | 2 | N/A | x | 694 | 1438 | 220 | 23 |

# CADIZ ECO

Oil-Free Column Heater

## Installation

Supplied with a plug, no installation required.

## Cable Entry Point

Front, Bottom, Middle.
1.5m cable length.

## Thermal Cut-out

Overheat safety cut-out.

## Element

Micathermic elements.

## Construction

Steel case mounted on castors encloses convective element.

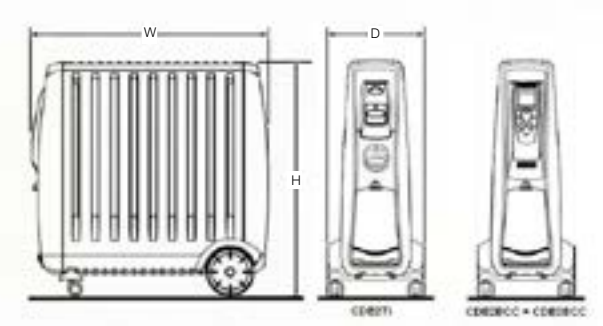
## Controls

Electronic climate control.

## Colour

White.

BEAB Approved
Intertek





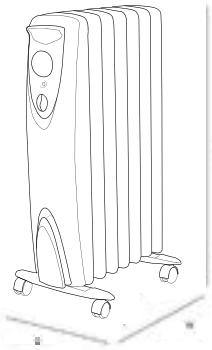

| Model | Output (kW) | Height (mm) | Width (mm) | Depth (mm) | Weight (kg) |
|---|---|---|---|---|---|
| CDE2Ti | 2 | 605 | 614 | 250 | 8.4 |
| CDE2ECC | 2 | 605 | 614 | 250 | 8.4 |
| CDE3ECC | 3 | 605 | 770 | 250 | 11.1 |

# OFRC

Oil-Free Column Heater

BEAB Approved
Intertek





## Installation

Supplied with a plug, no installation required.

## Cable Entry Point

Front, Bottom, Middle.
1.5m cable length.

## Thermal Cut-out

Auto-reset type.

## Element

Sheathed element.

## Construction

Steel case, oil-filled column, mounted on castors.

## Controls

Variable thermostatic control.

## Colour

White.

| Model | Output (kw) | Height (mm) | Width (mm) | Depth (mm) | Weight (kg) | No. of fins |
|---|---|---|---|---|---|---|
| OFRB7N | 0.7 | 446 | 194 | 296 | 5.4 | 6 |
| OFRC15N | 1.5 | 622 | 370 | 280 | 7.9 | 7 |
| OFRC20N | 2 | 622 | 430 | 280 | 9.8 | 9 |
| OFRC20TiN | 2 | 622 | 430 | 280 | 9.8 | 9 |

# OFC

Oil-Free Column Heater

## Installation

Supplied with a plug, no installation required.

## Cable Entry Point

Front, Bottom, Middle.
1.5m cable length.

## Thermal Cut-out

Auto-reset type.

## Element

Sheathed element.

## Construction

Steel case, oil-filled column, mounted on castors.

## Controls

Thermostatic control with choice of heat settings.
Timer.

## Colour

White.

BEAB Approved
Intertek

| Model | Output (kW) | Heat Settings | Timer | Height (mm) | Width (mm) | Depth (mm) | Weight (kg) |
|---|---|---|---|---|---|---|---|
| OFC1500 | 1.5 | 2 | x | 635 | 280 | 398 | 10 |
| OFC2000 | 2 | 2 | ✓ | 635 | 290 | 440 | 11 |
| OFC2000TI | 2 | 2 | ✓ | 635 | 290 | 440 | 11 |

# DXU/DXGLO/DXFF

Portable Heater

DXGLO DXU FXFF

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Intertek

## Installation

Supplied with a plug, no installation required.

## Cable Entry Point

DXU / DXGLO2 - Bottom middle.
DXFF - Bottom right.
All 1.5m cable length.

## Thermal Cut-out

Manual reset cut-out.

## Element

Nichrome wire element.

## Construction

Plastic housing encloses convective element. Free-standing with built-in feet.

## Controls

See table.

## Colour

DXU - Grey.
DXGLO2 - Black.
DXFF - White.



**DO NOT** use the heaters on deep pile carpets or the long hair type of rugs, or less than 750mm (30") away from any overhanging surface. Keep combustible materials such as drapes and other furnishings clear from the front, sides and rear of the heater.

| Model | Output (kW) | Thermostat | Mains neon | Cool Blow | Height (mm) | Width (mm) | Depth (mm) | Weight (kg) | Colour |
|---|---|---|---|---|---|---|---|---|---|
| DXUF20T/N | 2 | ✓ | ✓ | ✓ | 238 | 247 | 184 | 1.4 | Grey |
| DXUF30T/N | 3 | ✓ | ✓ | ✓ | 238 | 247 | 184 | 1.4 | Grey |
| DXGLO2 | 2 | Electronic | LCD | ✓ | 278 | 230 | 158 | 1.5 | Black |
| DXSTG25 | 2 | Electronic | LED | ✓ | 825 | 263 | 263 | 4.4 | Black |
| DXFF20TSN | 2 | ✓ | ✓ | ✓ | 114 | 253 | 245 | 1.2 | White |
| DXFF30TSN | 3 | ✓ | ✓ | ✓ | 114 | 253 | 245 | 1.2 | White |
| DXDDAi2 | 2 | ✓ | ✓ | ✓ | 114 | 253 | 245 | 1.2 | Pink |
| DXDFB2 | 2 | ✓ | ✓ | ✓ | 114 | 253 | 245 | 1.2 | White |

# Contrast

Convector Heater

## Installation

Supplied with a plug, no installation required.

## Cable Entry Point

Bottom Right. 1.5m cable length.

## Thermal Cut-out

Manual reset cut-out.

## Element

Stitched.

## Construction

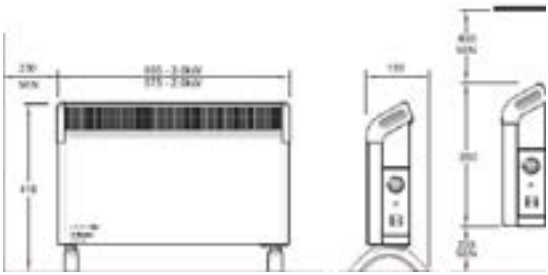
Steel case mounted on plastic feet or wall brackets encloses convective element.

## Controls

See table.

## Colour

White.





| Model | Output (kW) | Timer | Turbo Fan | Height (mm) | Width (mm) | Depth (mm) | Weight (kg) |
|---|---|---|---|---|---|---|---|
| DX20 | 2 | X | X | 350 + 68 (feet) | 575 | 104 + 92 (feet) | 358 |
| DX20Ti | 2 | ✓ | X | 351 + 68 (feet) | 575 | 105 + 92 (feet) | 358 |
| DXC30 | 3 | X | X | 352 + 68 (feet) | 575 | 106 + 92 (feet) | 478 |
| DX30Ti | 3 | ✓ | X | 353 + 68 (feet) | 575 | 107 + 92 (feet) | 478 |
| DXC30FTi | 3 | ✓ | ✓ | 354 + 68 (feet) | 575 | 108 + 92 (feet) | 478 |

# Commercial Heating

# AC

Over Door Heater

## Installation

Designed for wall or ceiling installation. AC3CN is designed for installation into plaster or suspended ceilings. Maximum recommended mounting height: 2.3m

## IP Rating

IP21.

## Cable Entry Point

Centre bottom. No cable supplied, designed for permanent connection to the fixed wiring through an adjacent double-pole switch or conduit connection.

## Thermal Cut-out

Electrical hold reset cut-outs.

2x manual reset cut-outs (AC3CN).

## Element

Wire stitched element.

## Construction

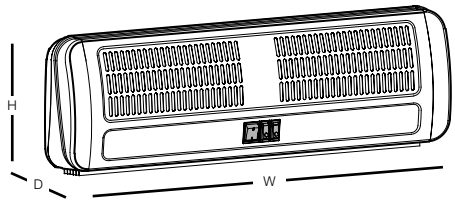
Pressed steel case with ABS end caps and contrasting switches. AC3CN - Pressed steel with hinged liner white grille.

## Colour

White.

AC3N

AC3RN




| Model | Output (kW) | Air Volume ($m^3/h$) | Max air speed | Length (mm) | Height (mm)* | Depth (mm) | Weight (kg) |
|---|---|---|---|---|---|---|---|
| AC3N | 1.5/3.0 | 212 | 5.0 | 605 | 200 | 135 | 5.1 |
| AC3RN | 1.5/3.0 | 212 | 5.0 | 605 | 200 | 135 | 5.3 |
| AC45N | 2.25/4.5 | 248 | 5.0 | 605 | 200 | 135 | 5.2 |
| AC6N | 3.0/6.0 | 446 | 525.0 | 905 | 200 | 135 | 7.2 |
| AC3CN (recessed) | 1.5/3.0 | 175 | 3.2 | 595 | 184 | 295 | 8.7 |

*Add 14mm for total installed height.

# CAB

Commercial Air Curtain

## Installation

Easy-fit bracket.

## IP Rating

IPX0.

## Cable Entry Point

Centre back. No cable supplied.

## Thermal Cut-out

Manual reset cut-out.

## Element

Finned Metal Sheathed Elements.

## Construction

Steel case, wall mounted or suspended with suspension rods.

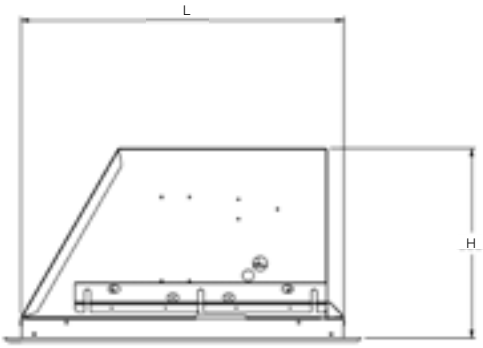
## Controls

Electronic.

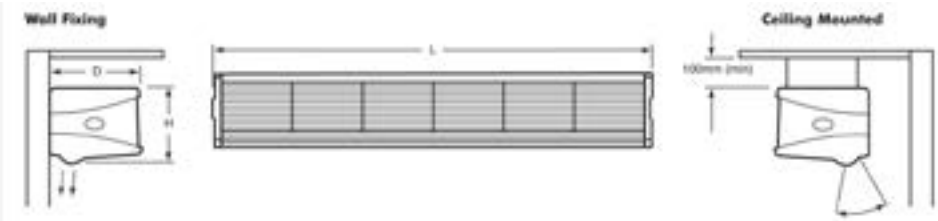
## Colour

White.






CAB Recessed




CAB

| Model | Output | Air Volume | Airstream width | Length (mm) | Height (mm) | Depth (mm) | Weight (kg) |
|---|---|---|---|---|---|---|---|
| Electrically heated | | | | | | | |
| CAB10E | 4.5 / 9.0 | 1200 | 1.0 | 1065 | 262 | 321 | 205.5 |
| CAB15E | 6.75 / 13.5 | 1800 | 1.5 | 1569 | 262 | 321 | 29 |
| CAB20E* | 9.0/18.0 | 2400 | 2.0 | 2130 | 262 | 321 | 41 |
| Water Heated (at 82/71°C - LPHW) | | | | | | | |
| CAB10W | 9.0 | 1100 | 1.0 | 1065 | 262 | 321 | 18 |
| CAB15W | 13.5 | 1700 | 1.5 | 1569 | 262 | 321 | 24.5 |
| CAB20W* | 18.0 | 2200 | 2.0 | 2130 | 262 | 321 | 36 |
| Ambient and cold store | | | | | | | |
| CAB10A | N/A | 1200 | 1.0 | 1065 | 262 | 321 | 15.5 |
| CAB15A | N/A | 1800 | 1.5 | 1569 | 262 | 321 | 21.5 |
| CAB20A* | N/A | 2400 | 2.0 | 2130 | 262 | 321 | 31 |
| Electrically heated and recessed | | | | | | | |
| CAB10ER | 4.5/9.0 | 1200 | 1.0 | 1224 | 267 | 639 | 26 |
| CAB15ER | 6.75/13.5 | 1800 | 1.5 | 1724 | 267 | 639 | 35 |
| CAB20ER* | 9.0/18.0 | 2400 | 2.0 | 2450 | 267 | 639 | 54.5 |
| Water Heated (at 82/71°C - LPHW) and recessed | | | | | | | |
| CAB10WR | 9.0 | 1100 | 1.0 | 1224 | 267 | 639 | 26 |
| CAB15WR | 13.5 | 1700 | 1.5 | 1724 | 267 | 639 | 35 |
| CAB20WR* | 18.0 | 2200 | 2.0 | 2450 | 267 | 639 | 54.5 |
| Recessed ambient and cold store | | | | | | | |
| CAB10AR | N/A | 1200 | 1.0 | 1224 | 267 | 639 | 26 |
| CAB15AR | N/A | 1800 | 1.5 | 1724 | 267 | 639 | 35 |
| CAB20AR* | N/A | 2400 | 2.0 | 2450 | 267 | 639 | 54.5 |

# DAB

Commercial Air Curtain

## Installation

Easy-fit bracket.

## IP Rating

IPX0.

## Cable Entry Point

Centre back. No cable supplied.

## Thermal Cut-out

Manual reset cut-out.

## Element

Finned Metal Sheathed Elements.

## Construction

Steel case, wall mounted or suspended with suspension rods.

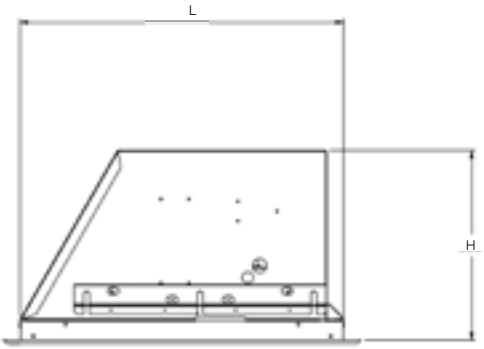
## Controls

Electronic.

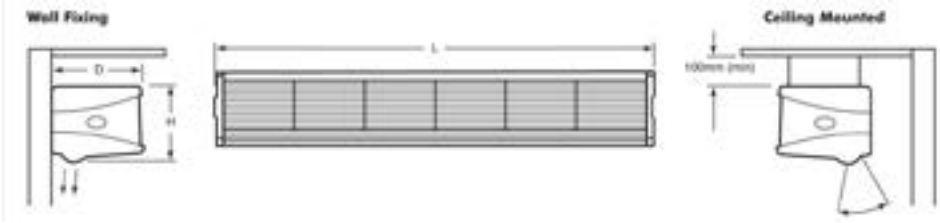
## Colour

White.






DAB Recessed




DAB

| Model | Output | Air Volume | Airstream width | Length (mm) | Height (mm) | Depth (mm) | Weight (kg) |
|---|---|---|---|---|---|---|---|
| Electrically heated | | | | | | | |
| DAB10E | 6.0/12.0 | 3000 | 1.0 | 1057 | 360 | 390 | 26.5 |
| DAB15E | 9.0/18.0 | 4000 | 1.5 | 1557 | 360 | 390 | 35.0 |
| DAB20E* | 12.0/24.0 | 6000 | 2.0 | 2114 | 360 | 390 | 53.0 |
| Water Heated (at 82/71°C - LPHW) | | | | | | | |
| DAB10W | 12.0 | 2500 | 1.0 | 1057 | 360 | 390 | 25.0 |
| DAB15W | 18.0 | 3500 | 1.5 | 1557 | 360 | 390 | 32.0 |
| DAB20W* | 24.0 | 5000 | 2.0 | 2114 | 360 | 390 | 50.0 |
| Ambient and cold store | | | | | | | |
| DAB10A | N/A | 3000 | 1.0 | 1057 | 360 | 390 | 21.5 |
| DAB15A | N/A | 4000 | 1.5 | 1557 | 360 | 390 | 27.5 |
| DAB20A* | N/A | 6000 | 2.0 | 2114 | 360 | 390 | 43.0 |
| Electrically heated | | | | | | | |
| DAB10ER | 6.0/12.0 | 3000 | 1.0 | 1224 | 337 | 667 | 31.5 |
| DAB15ER | 9.0/18.0 | 4000 | 1.5 | 1724 | 337 | 667 | 43.0 |
| DAB20ER* | 12.0/24.0 | 6000 | 2.0 | 2448 | 337 | 667 | 63.0 |
| Water Heated (at 82/71°C - LPHW) | | | | | | | |
| DAB10WR | 12.0 | 2500 | 1.0 | 1224 | 337 | 667 | 31.5 |
| DAB15WR | 18.0 | 3500 | 1.5 | 1724 | 337 | 667 | 43.0 |
| DAB20WR* | 24.0 | 5000 | 2.0 | 2448 | 337 | 667 | 63.0 |
| Ambient and cold store | | | | | | | |
| DAB10AR | N/A | 3000 | 1.0 | 1224 | 337 | 667 | 31.5 |
| DAB15AR | N/A | 4000 | 1.5 | 1724 | 337 | 667 | 43.0 |
| DAB20AR* | N/A | 6000 | 2.0 | 2448 | 337 | 667 | 63.0 |

# IAB

Industrial Air Curtain

## Installation

M12 threaded drop (not supplied).

## IP Rating

IPX0.

## Cable Entry Point

Middle Back. No cable supplied.

## Thermal Cut-out

Auto-reset type.

## Element

- Finned metal sheathed elements. - Centrifugal, double inlet blowers.

## Construction

Powder-coated steel case with removable access panel.

## Control

Electronic modular system.

## Colour

White.



| Model | Output (kW) | Air Volume ($m^3/h$) | Max door width (m) | Length (mm) | Height (mm) | Depth (mm) | Weight (kg) |
|---|---|---|---|---|---|---|---|
| Electrically heated | | | | | | | |
| IAB10E | 12/24 | 4500 | 1.0 | 1100 | 700 | 600 | 80.0 |
| IAB15E | 18/36 | 6900 | 1.5 | 1600 | 700 | 600 | 120.0 |
| Water Heated (at 82/71°C - LPHW) | | | | | | | |
| IAB10W | 27 | 4500 | 1.0 | 1100 | 700 | 600 | 80.0 |
| IAB15W | 41 | 6900 | 1.5 | 1600 | 700 | 600 | 120.0 |
| Ambient and cold store | | | | | | | |
| IAB10A | N/A | 4500 | 1.0 | 1100 | 700 | 600 | 80.0 |
| IAB15A | N/A | 6900 | 1.5 | 1600 | 700 | 600 | 120.0 |

# ARC

Architectural Air Curtain

## Installation

Horizontal (above entrance) using threaded rod (not supplied) / Vertical (mechanical fixed to floor using optional foot).

## IP Rating

IPX0.

## Cable Entry Point

Top left (Horizontal).
Bottom (Vertical).
No cable supplied.

## Thermal Cut-out

Manual reset cut-out.

## Element

- Finned metal sheathed elements.
- Tangenial, 150mm fan.

## Construction

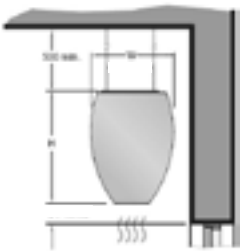
Stainless steel.

## Control

Electronic.
BEMS/BMS connectivity.

## Colour

Brushed/polished stainless steel.





| Model | Length* (mm) | Height* (mm) | Depth* (mm) | Weight (kg) |
|---|---|---|---|---|
| ARC10 | 1200 | 450 | 360 | 55-65 |
| ARC15 | 1700 | 450 | 360 | 82.5-95 |
| ARC20 | 2200 | 450 | 360 | 110-130 |

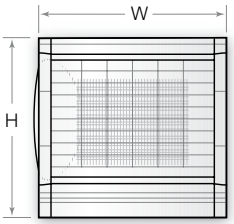
* Sample dimensions only.

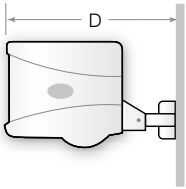
# CFH

Commercial Fan Heater

BEAB Approved
Intertek






## Installation

Horizontal wall mounting via supplied mounting plate.

## IP Rating

IPX4.

## Cable Entry Point

Back left, bottom.
No cable supplied.

## Thermal Cut-out

Manual reset cut-out.

## Element

Finned metal sheathed element.

## Construction

Corrosion-resistant body with durable colour. Finned/sheathed heating elements with rigid steel outlet grille vanes to direct airflow.

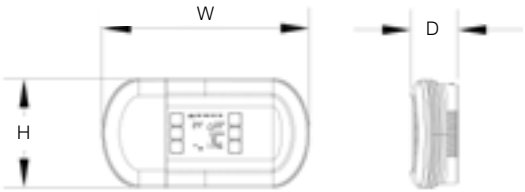
## Colour

White.

| Model | Output (kg) | Air-off temp (°C) | Height (mm) | Width (mm) | Depth (mm) | Max Depth (mm) | Weight (kg) |
|---|---|---|---|---|---|---|---|
| CFH60 | 6.0 | 40 | 360 | 386 | 565 | 630 | 13.5 |
| CFH90 | 9.0 | 55 | 360 | 386 | 565 | 630 | 14.5 |
| CFH120 | 12.0 | 65 | 360 | 386 | 565 | 630 | 14.5 |

# CFCH

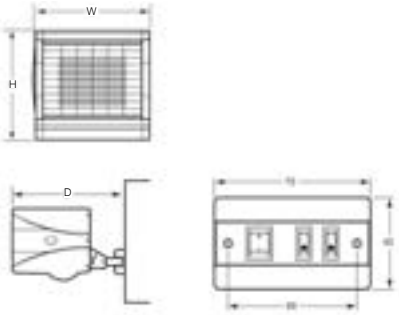
Commercial Controller




| Control | Max | Heater communication | Supply | Height (mm) | Width (mm) | Depth (mm) |
|---|---|---|---|---|---|---|
| CFCH | 10 heaters | CAT 5e ethernet / RJ45 | 220-240V~1PN | 114 | 217 | 49 |

# CFS

Commercial Fan Heater




## Installation

Horizontal wall mounting via supplied mounting plate.

## IP Rating

CFS30 - IP24.
CFS60 - IPX4.

## Cable Entry Point

Back left, bottom.
No cable supplied.

## Thermal Cut-out

Electrical reset (CFS30),
Manual reset (CFS60).

## Element

Metal sheathed (CFS30)
Finned metal sheathed (CFS60).

## Construction

Heavy-duty corrosion-resistant case.

## Control

Wall-mounted control switch plate.

## Colour

White.



| Model | Output (kW) | Air Flow ($m^3/h$) | Throw (m) | Air-off temp (°C) | Height (mm) | Width (mm) | Depth (mm) | Weight (kg) |
|---|---|---|---|---|---|---|---|---|
| CFS30 | 3.0 | 400 | 4.5 | 35 | 262 | 306 | 495 | 7.6 |
| CFS60 | 6.0 | 750 | 8.0 | 45 | 360 | 386 | 565 | 13.5 |

# PFH

Commercial Fan Heater

## Installation

Multi-directional wall bracket giving 40° vertical and 120° horizontal adjustment.

## IP Rating

IPX0.

## Cable Entry Point

Bottom. No cable supplied.

## Thermal Cut-out

Electric reset.

## Element

Wire strung.

## Construction

Nylon case construction.

## Control

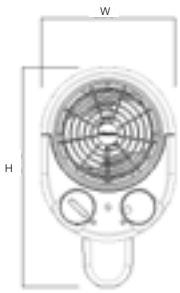
Thermostatic.
Remote control supplied (R).

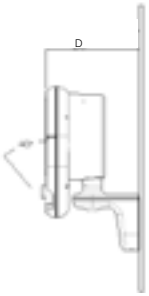
## Colour

Grey.

BEAB Approved
Intertek






| Model | Output (kW) | Air Flow ($m^3/h$) | Height (mm) | Width (mm) | Depth (mm) | Weight (kg) |
|---|---|---|---|---|---|---|
| PFH30 | 3.0 | 200 | 378 | 230 | 226 | 1.3 |
| PFH30R | 3.0 | 200 | 378 | 230 | 226 | 1.6 |

# CXD

Ceramic Heater

## Installation

Horizontal wall mounting via supplied mounting arm/bracket.

## IP Rating

IPX4.

## Cable Entry Point

Middle. No cable supplied.

## Element

Ceramic encased aluminium.

## Construction

Steel case mounted on wall brackets encloses convective element.

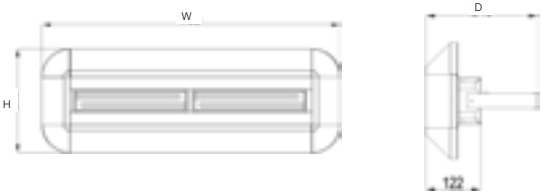
## Control

Can be used with sensors* or push switches for automatic control.

## Colour

Matt black.






| Model | Output (kW) | No. of Lamps | Height (mm) | Width (mm) | Depth (mm) | Weight (mm) | Recomended height (mm) |
|---|---|---|---|---|---|---|---|
| CXD2000V | 2.0 | 2 | 380 | 442 | 302 | 5.35 | 2.0 |
| CXD2000H | 2.0 | 2 | 255 | 735 | 248 | 5.1 | 2.0 |

*To order heater and PIR sensor as a single pack, order CXD2000VPIR or CXD2000HPIR.

# QXD

Quartz Heater

## Installation

Horizontal wall mounting via supplied mounting arm/bracket.

## IP Rating

IPX0.

## Cable Entry Point

Middle. No cable supplied.

## Element

Tungsten element.

## Construction

Powder-coated steel case with electrochemically brightened aluminium and halogen lamp.

## Control

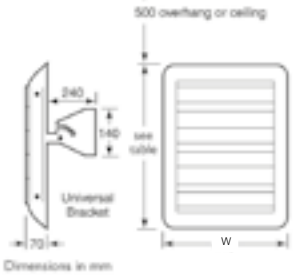
Can be used with sensors* or push switches for automatic control.

## Colour

Matt black.

BEAB Approved
Intertek



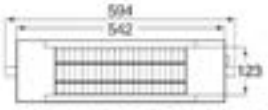



| Model | Output (kW) | No. of Lamps | Height (mm) | Width (mm) | Depth (mm) | Weight (mm) | Recommended height (mm) |
|---|---|---|---|---|---|---|---|
| QXD1500 | 1.5 | 1 | 256 | 440 | 310 | 3.7 | 2.5 |
| QXD3000 | 3.0 | 2 | 380 | 440 | 310 | 4.3 | 3.5 |
| QXD4500 | 4.5 | 3 | 506 | 440 | 310 | 5.8 | 4 |

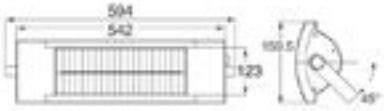
*To order heater and PIR sensor as a single pack, order QXD1500PIR or QXD3000PIR (not suitable for QXD4500).

# OPH

Quartz Heater




OPH13 WITH TWO QUARTZ ELEMENTS




OPH20 WITH ONE HALOGEN ELEMENT

## Installation

Horizontal wall mounting via supplied mounting plate.

## IP Rating

IP24.

## Cable Entry Point

Bottom Right. No cable supplied.

## Element

- OPH13 (Quartz infrared spiral element in transparent silica sleeve).
- OPH20 (Quartz halogen gold coated tungsten element in glass sleeve).

## Construction

Aluminium case with electrochemically brightened aluminium reflector and fitted chromium plate mild steel guard.

## Control

PIR sensor available.*

## Colour

Two-tone silver.

| Model | Output (kW) | Height (mm) | Width (mm) | Depth (mm) | Weight (kg) | Element | Mounting Height (m) |
|---|---|---|---|---|---|---|---|
| OPH13 | 1.3 | 159 | 594 | 144 | 4 | Infra-red | 2-2.3 |
| OPH20 | 2.0 | 159 | 594 | 144 | 4 | Halogen | 2-2.4 |

*To order heater and sensor as a single pack, order OPH13PIR or OPH20PIR.

# WFC/E

Commercial Fan Heater

## Installation

Keyhole-mounting slots.

## Cable Entry Point

Bottom Left. No cable supplied.

## Thermal Cut-out

Auto-reset type.

## Element

Twin helically wound fully sprung open coiled elements (2kW + 1kW).

## Construction

Pressed steel front panel and base.

## Control

Variable thermostat range.
Manual mode selection (WFC).
Electronic thermostat (WFE).

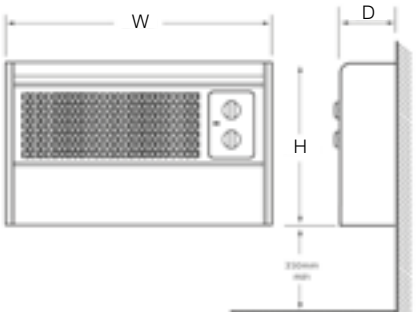
## Colour

Black with wood effect ends / silver with black ends.

WFE3TNS

BEAB Approved
Intertek

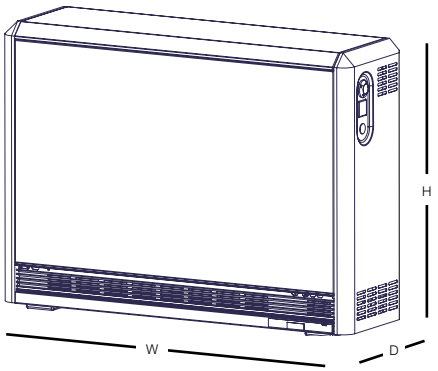





| Model | Colour | Output (kW) | Height (mm) | Width (mm) | Depth (mm) | Weight (kg) |
|---|---|---|---|---|---|---|
| WFC3NB | Black | 3.0 | 350 | 575 | 120 | 6.6 |
| WFC3NS | Silver | 3.0 | 350 | 575 | 120 | 6.6 |
| WFE3TNB | Black | 3.0 | 350 | 575 | 120 | 6.6 |
| WFE3TNS | Silver | 3.0 | 350 | 575 | 120 | 6.6 |

# VFMi

Commercial Storage Heater




## Installation

Wall fixing is required.

## Cable Entry Point

Right. No cable supplied.

## Thermal Cut-out

Bi-metal - automatic reset.

## Element

Incoloy sheathed, three elements.

## Construction

Galvanised sheet steel base, mounted on pressed steel feet.

## Control

Manual adjust input charge control.

## Colour

White.



| Model | Output (kW) | Fan (W) | Height (mm) | Width (mm) | Depth (mm) | Weight (kg) | Storage bricks | Max storage Capacity (kWh) |
|---|---|---|---|---|---|---|---|---|
| VFM24i | 3.4 | 15 | 672 | 776 | 285 | 138 | 18 | 24 |
| VFM32i | 4.6 | 15 | 672 | 926 | 285 | 177 | 24 | 32 |
| VFM40i | 5.7 | 25 | 672 | 1076 | 285 | 216 | 30 | 40 |
| VFM48i | 6.9 | 25 | 672 | 1226 | 285 | 255 | 36 | 48 |

# HAW

Air Warmer

## Installation

Floor fixing points and separate wire guard.

## Cable Entry Point

Left or right side. No cable supplied.

## Thermal Cut-out

Manual reset cut-out.

## Element

Metal sheathed.

## Construction

Cast iron body with black stove enamel finish.

## Colour

Black.

| Model | Output (kW) | Height (mm) | Width (mm) | Depth (mm) | Weight (kg) |
|---|---|---|---|---|---|
| HAW1000N | 1 | 115 | 470 | 207 | 14 |

# Water Heating and Renewable Technology

# QWCd

Quantum Electric Water Cylinder

## Installation

Floor standing, vertically mounted on flat, level surface (see operating instructions).

## IP Rating

IPX1.

## Cable Entry Point

Front, bottom, middle.

## Thermal Cut-out

Safety manual reset.

## Element

1 3/4" BSP 3kw Incoloy immersion and boost element.

## Construction

22mm Stainless steel inner vessel, lightweight, strong and corrosion resistant. HIPS/ABS outer cladding, 60 mm CFC/HCFC free injected foam insulation.

## Control

Digital temperature control.

## Colour

Black.

| Model | Volume (L) | Height (mm) | Diameter (mm) | T&P Valve (mm) | Imm. 1 (mm) | Imm. 2 (mm) |
|---|---|---|---|---|---|---|
| QWCd125 - 580 | 125 | 945 | 580 | 720 | 208 | 570 |
| QWCd150 - 580 | 150 | 1115 | 580 | 890 | 208 | 650 |
| QWCd210 - 580 | 210 | 1490 | 580 | 1265 | 208 | 820 |
| QWCd250 - 580 | 250 | 1765 | 580 | 1540 | 208 | 1265 |
| QWCd300 - 580 | 300 | 2065 | 580 | 1840 | 208 | 1495 |

# QWC Slimline

Quantum Electric Slimline Water Cylinder

D

## Installation

Floor standing, vertically mounted on flat, level surface.

## IP Rating

IPX1.

## Cable Entry Point

Front, bottom, middle.

## Thermal Cut-out

Safety manual reset.

## Element

1 3/4" BSP 3kw Incoloy immersion and boost element.

## Construction

22mm stainless steel inner vessel, lightweight, strong and corrosion resistant. HIPS/ABS outer cladding, 50mm CFC/HCFC free injected foam insulation.

## Control

Digital temperature control.

## Colour

Black.

| Model | Capacity (L) | Height (mm) | Diameter (mm) | Weight (kg) | Reheat (mins) |
|---|---|---|---|---|---|
| QWCd135-480 | 135 | 1387 | 480 | 22 | 132 |
| QWCd180-480 | 180 | 1761 | 480 | 30 | 175 |

# EC-EAU

Electric Water Cylinder

## Installation

Floor standing, vertically mounted on flat, level surface.

## IP Rating

IPX1.

## Cable Entry Point

Front, bottom, middle.

## Thermal Cut-out

Manual reset cut-out.

## Element

Immersio heater - 1 3/4" F BSP. Titanium optional.

## Construction

22mm stainless steel inner vessel, lightweight, strong and corrosion resistant. HIPS/ABS outer cladding, 60mm CFC/HCFC free injected foam insulation.

## Colour

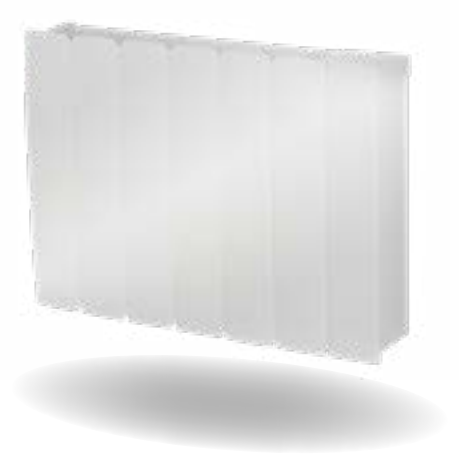
Black.

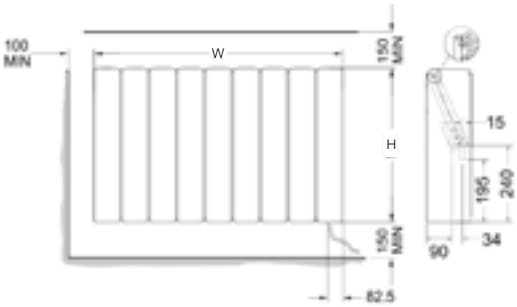


| Model | Capacity (L) | Height (mm) | Diameter (mm) | T&P Valve (mm) | Imm. (mm) | Imm. 2 (mm) | Weight (kg) | Reheat (mins) |
|---|---|---|---|---|---|---|---|---|
| ECSd100-580 | 100 | 810 | 580 | 580 | 208 | - | 20 | 88 |
| ECSd125-580 | 125 | 960 | 580 | 730 | 208 | 570 | 23 | 122 |
| ECSd150-580 | 150 | 1130 | 580 | 900 | 208 | 650 | 26 | 150 |
| ECSd175-580 | 175 | 1280 | 580 | 1050 | 208 | 750 | 29 | 199 |
| ECSd1210-580 | 210 | 1504 | 580 | 1275 | 208 | 820 | 33 | 218 |
| ECSd250-580 | 250 | 1780 | 580 | 1550 | 208 | 1265 | 39 | 284 |
| ECSd300-580 | 300 | 2080 | 580 | 1850 | 208 | 1495 | 46 | 313 |

Indirect table available at www.dimplex.co.uk/waterheating

smartrad®
intelligent fan convector






## Installation

Horizontal wall mounting via supplied mounting bracket.

## IP Rating

IPX0.

## Cable Entry Point

Bottom Right. 1m cable length.

## Thermal Cut-out

N/A

## Heat Exchanger

Aluminium finned heat exchange with copper tube.

## Construction

Durable expoxy-polyester powder coated steel casing, with upward facing grille. Temperature resistant PBT thermoplastic moulded parts.

## Colour

White metal/glass.

| Model | Finish | Input L/M/B* (W) | Height (mm) | Width (mm) | Depth (mm) | Weight (kg) | AirFlow L/M/B* ($m^3/h$) |
|---|---|---|---|---|---|---|---|
| SRX080M | Metal | 17 / 20 / 27 | 530 | 503 | 145 | 13 | 60 / 125 / 228 |
| SRX080WG | Glass | 17 / 20 / 27 | 530 | 503 | 145 | 13 | 60 / 125 / 228 |
| SRX120M | Metal | 22 / 32 / 47 | 530 | 670 | 145 | 16 | 100 / 190 / 345 |
| SRX120WG | Glass | 22 / 32 / 47 | 530 | 670 | 145 | 16 | 100 / 190 / 345 |
| SRX140M | Metal | 26 / 40 / 60 | 530 | 740 | 145 | 18 | 120 / 225 / 410 |
| SRX140WG | Glass | 26 / 40 / 60 | 530 | 740 | 145 | 18 | 120 / 225 / 410 |
| SRX180M | Metal | 24 / 35 / 53 | 530 | 911 | 145 | 23 | 160 / 300 / 540 |
| SRX180WG | Glass | 24 / 35 / 53 | 530 | 911 | 145 | 23 | 160 / 300 / 540 |

# Free-E

Photovoltaic Optimiser

## Installation

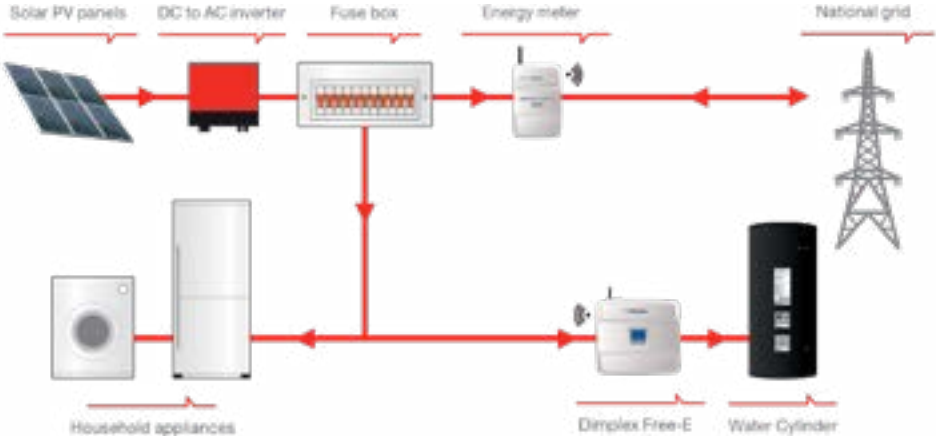
Mounted to the wall near meter and cylinder. Wireless communicating.

## Construction

Flame retardant polycarbonate case with steal backing plate.

## Colour

White.




| Component | Length (mm) | Width (mm) | Height (mm) | Weight (kg) |
|---|---|---|---|---|
| Free-E | 348 | 316 | 121 | 3.7 |
| Energy Meter | 230.8 | 125 | 48 | 0.201 |

Note: Both units come in the box

These tables provide heater-sizing guidance for traditional electric heating systems, including Quantum, storage heaters and panel heaters.

For single properties please complete a heat design form (page 79) and send it with a sketch plan to our heating design department. We aim to provide this accurate assessment within seven working days. For multiple properties, please send us comprehensive scale drawings (scale 1:50 or 1:100) together with construction details and any other relevant information. We offer a fourteen working day service for this type of assessment.

| Living or dining room: Quantum off-peak heaters are recommended | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Heater loading in kW. Temperature 21°C | | | | | | | | | |
| Floor area | Solid walls<br>No. of outside walls | | | Cavity walls<br>No. of outside walls | | | Insulated cavity walls<br>No. of outside walls | | |
| m² | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 |
| 12 | 1.84 | 2.16 | 2.88 | 1.60 | 1.92 | 2.48 | 1.12 | 1.28 | 1.68 |
| 16 | 2.08 | 2.48 | 3.20 | 1.84 | 2.32 | 2.88 | 1.36 | 1.60 | 1.92 |
| 20 | 2.64 | 3.12 | 3.92 | 2.32 | 2.72 | 3.44 | 1.68 | 1.92 | 2.32 |
| 24 | 2.96 | 3.44 | 4.32 | 2.64 | 3.12 | 3.76 | 2.08 | 2.32 | 2.64 |
| 28 | 3.28 | 3.92 | 4.80 | 2.96 | 3.44 | 4.24 | 2.16 | 2.48 | 2.96 |
| 32 | 3.52 | 4.32 | 5.28 | 3.28 | 3.76 | 4.72 | 2.40 | 2.72 | 3.20 |

For XLN heaters, multiply load by 2, for CXLS multiply by 1.25

| Bedrooms: panel heaters are recommended | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Heater loading in kW. Temperature 18°C | | | | | | | | | |
| Floor area | Solid walls<br>No. of outside walls | | | Cavity walls<br>No. of outside walls | | | Insulated cavity walls<br>No. of outside walls | | |
| m² | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 |
| 8 | 0.8 | 1.3 | 1.7 | 0.8 | 1.0 | 1.4 | 0.8 | 0.9 | 1.4 |
| 12 | 0.9 | 1.8 | 2.3 | 0.9 | 1.4 | 2.1 | 0.8 | 1.4 | 1.8 |
| 16 | 1.2 | 2.1 | 2.7 | 1.0 | 1.7 | 2.2 | 0.9 | 1.6 | 2.1 |
| 20 | 1.4 | 2.2 | 3.1 | 1.2 | 2.0 | 2.6 | 1.0 | 1.8 | 2.4 |
| 24 | 1.5 | 2.3 | 3.4 | 1.2 | 2.1 | 2.9 | 1.0 | 1.9 | 2.5 |

For XLS heaters, multiply loading by 1.5

| Kitchen | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Heater loading in kW. Temperature 18°C | | | | | | | | | |
| Floor area | Solid walls No. of outside walls | | | Cavity walls No. of outside walls | | | Insulated cavity walls No. of outside walls | | |
| m² | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 |
| 10 | 1.28 | 1.68 | 2.32 | 1.12 | 1.60 | 1.92 | For all kitchens with cavity wall insulation, direct heating is preferred | | |
| 12 | 1.52 | 2.16 | 2.64 | 1.36 | 1.84 | 2.32 | | | |
| 14 | 1.68 | 2.40 | 2.88 | 1.60 | 2.08 | 2.48 | | | |
| 16 | 1.92 | 2.64 | 3.12 | 1.68 | 2.32 | 2.72 | | | |

For XLN heaters, multiply load by 2, for CXLS multiply by 1.25



| Commerical heating: Quantum off-peak heaters are recommended. Sizing is based on a single storey with a celing height of 3m and a minimum of 75mm of roof insulation. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Office | | | | | | | | | |
| Heater loading in kW. Temperature 21°C | | | | | | | | | |
| Floor area | Solid walls No. of outside walls | | | Cavity walls no. of outside walls | | | Insulated cavity walls no. of outside walls | | |
| m² | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 |
| 15 | 2.16 | 2.96 | 4.08 | 2.00 | 2.56 | 3.52 | 1.68 | 2.08 | 2.64 |
| 20 | 2.64 | 3.52 | 4.48 | 2.40 | 3.12 | 4.00 | 2.08 | 2.56 | 3.12 |
| 25 | 2.96 | 4.08 | 5.20 | 2.72 | 3.68 | 4.56 | 2.40 | 3.04 | 3.60 |
| 30 | 3.52 | 4.72 | 5.84 | 3.36 | 4.24 | 5.20 | 2.88 | 3.52 | 4.16 |
| 40 | 4.80 | 5.92 | 7.68 | 4.40 | 5.36 | 6.72 | 3.92 | 4.48 | 5.36 |
| 50 | 5.28 | 6.80 | 8.40 | 4.96 | 6.24 | 7.44 | 4.48 | 5.28 | 6.08 |

For XLS heaters, multiply load by 2, for CXLS multiply by 1.25

# Notes

# Heating Design Request Form

Complete and return to:
Millbrook house, Grange Drive, Hedge End, Southampton. SO30 2DF
Fax No: 01489 773067 | Email: heat.design@dimplex.co.uk
Alternatively complete online at www.dimplex.co.uk/heatdesign

## Customer name and address (please note: we are unable to complete the scheme unless full name and address details are included)

Contact Name: Co. Name:

Address:

Postcode:

Email: Tel: Fax:

## Site name and address

## Type of property (for a flat, please tick 'semi-detached' unless there are other flats on both sides, in which case tick 'terrace')

| House | Bungalow | Flat | Detached | Semi-detached | Terraced | Other (please specify): |
|---|---|---|---|---|---|---|
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |

## Type of construction (tick where appropriate)

| | | | | |
|---|---|---|---|---|
| Cavity wall | ☐ Yes | ☐ No | Roof | ☐ Pitched ☐ Flat |
| With insulation | ☐ Yes | ☐ No | Insulation | ☐ None ☐ 100mm ☐ 150mm ☐ 200mm |
| Solid walls | ☐ Yes | ☐ No | Glazing | ☐ Single ☐ Double |
| Floor | ☐ Yes | ☐ No | | Approximate age of property: |

## Products to be specified (tick where appropriate)

Please list below the product ranges you would like us to base the scheme on. Alternatively, leave blank and we will match the right products to your property.

Would you like us to include:

Water Heating ☐ Yes ☐ No

| Type of room (e.g. Living/bedroom) | Area ($m^2$) | Floor-to-ceiling height | External wall length | Window area ($m^2$) | External door area ($m^2$) | length to unheated areas | Is room above heated? | Roof above? | Open fireplace? |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

# Notes

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Postcode:

Email: Tel: Fax:

## Site name and address

## Type of property (for a flat, please tick 'semi-detached' unless there are other flats on both sides, in which case tick 'terrace')

| House | Bungalow | Flat | Detached | Semi-detached | Terraced | Other (please specify): |
|---|---|---|---|---|---|---|
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |

## Type of construction (tick where appropriate)

| | | | | |
|---|---|---|---|---|
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Water Heating ☐ Yes ☐ No

| Type of room (e.g. Living/bedroom) | Area ($m^2$) | Floor-to-ceiling height | External wall length | Window area ($m^2$) | External door area ($m^2$) | length to unheated areas | Is room above heated? | Roof above? | Open fireplace? |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
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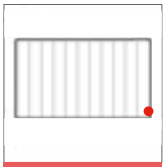
# Notes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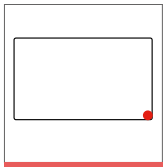
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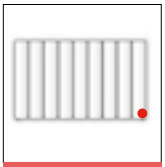
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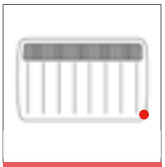
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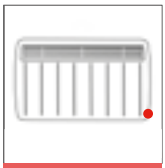
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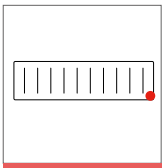
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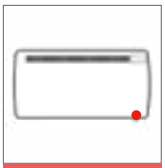
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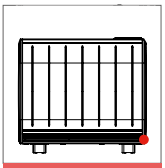
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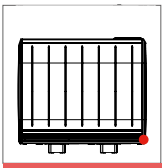
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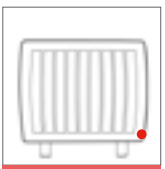
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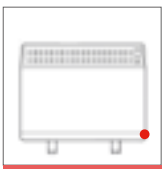
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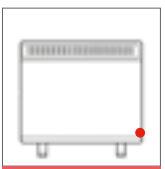
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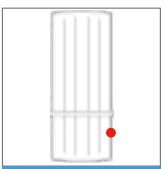
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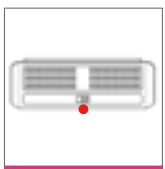
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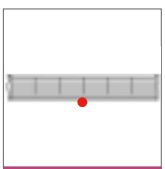
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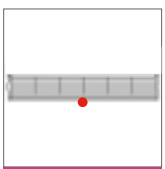
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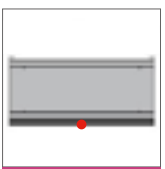
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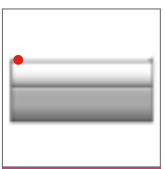
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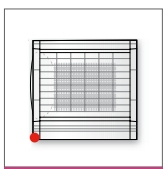
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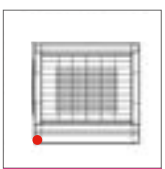
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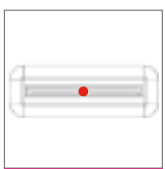
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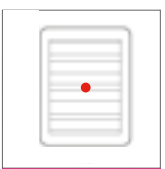
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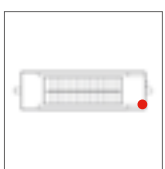
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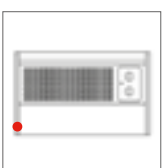
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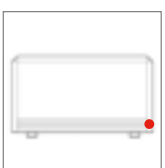
VFMi

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

**Safety**
Dimplex products are designed to comply with the requirement of EN60335 part 1 of 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 unsupervised in the vicinity of a heater we advise precautions should be taken. We recommend 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. Heating appliances should never be covered or positioned where objects may fall onto them.

**Plugs**
All portable appliances are supplied with a fitted plug. We do not recommend using an extension lead with our products.

**Specifications**
Dimplex policy is one of continuous improvement; we reserve 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.

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

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Dimplex offers the widest range of electric space heating solutions in the UK. In addition to this publication, we have a number of more focused brochures as shown below. These can be ordered via our website. www.dimplex.co.uk

To find out more about how our team can help you to specify compliant, efficient and intelligent heating solutions, contact us on:

Web: **www.dimplex.co.uk**
Email: **pre-sales@glendimplex.com**
Call: **0800 028 6122**

Ireland enquiries: Glen Dimplex Ireland, tel: 00 353 (1) 8424 277 email: salesIreland@glendimplex.com
or web: www.glendimplexireland.com

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