Dimplex®

A world of expertise

June 2011
CI/SFB (56)
www.dimplex.co.uk

the heatbook

for the complete space and water heating solution

Domestic Heating

Commercial Heating

Water Heating

Solar PV

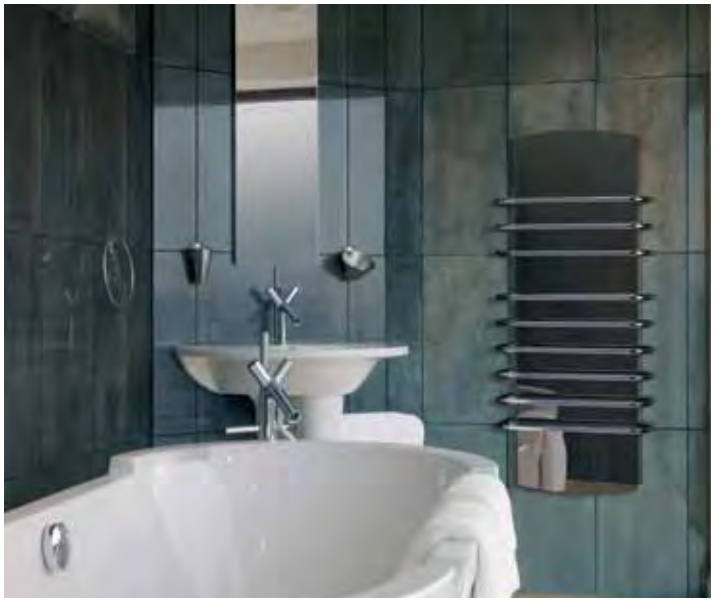
Solar Thermal

Heat Pumps

Flame Effect Fires

Portable Heating

"Wherever you go across the country, you'll find Dimplex heating and hot water solutions. In its field, Dimplex leads the world – making life more comfortable, in more ways, in more places, than any other company."



INTRODUCTION

WHOLE HOUSE HEATING

KITCHEN & BATHROOM HEATING

GENERAL PURPOSE HEATERS

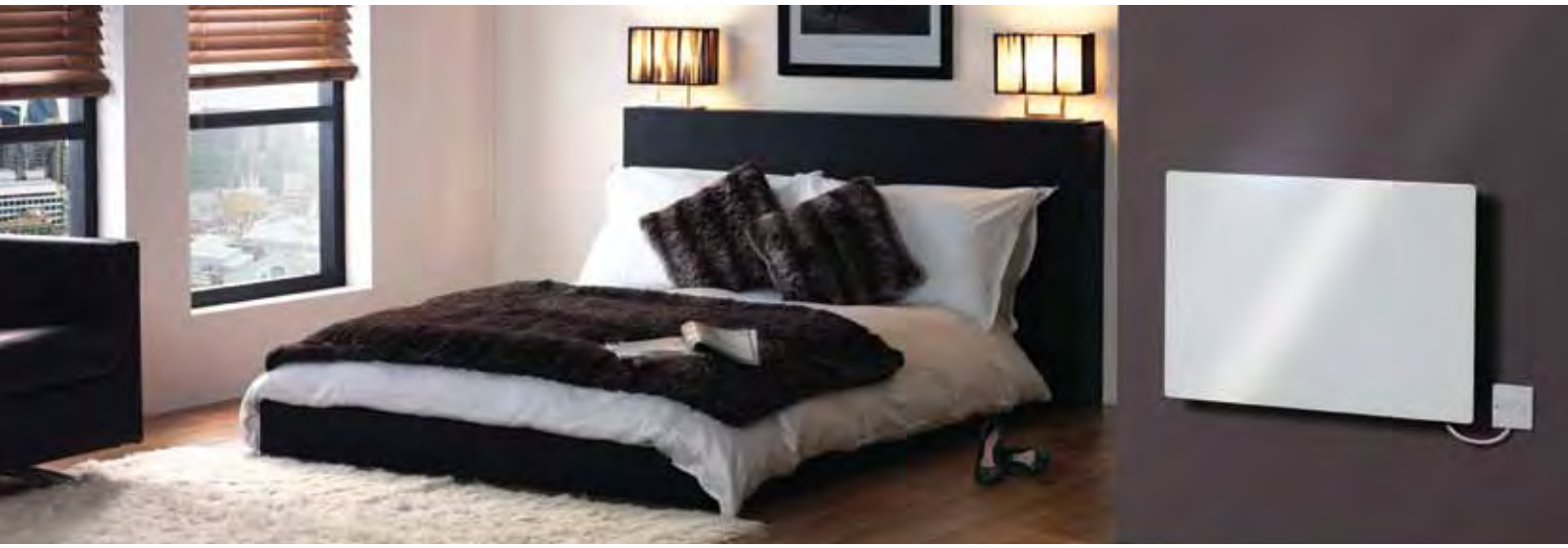
FIRES & SURROUNDS

COMMERCIAL & INDUSTRIAL

WATER HEATING

RENEWABLE SOLUTIONS

The Future is Electric



Electric heating is the fuel of the future – it's very versatile and offers levels of safety, reliability, cleanliness and comfort unmatched by other fuels.

Dwindling supplies of North Sea gas, security of supply, yo-yoing fuel prices and the need to reduce the UK carbon footprint are all impacting on the way we heat our buildings.

The government has set the UK on a clear path towards a future where electricity generated from nuclear power and sustainable sources will provide the cornerstone of our energy requirements – low carbon, inexhaustible and freely available.

The government's microgeneration strategy also promotes the use of low carbon sources, such as heat pumps and solar, to help in tackling climate change and Dimplex is deeply committed to the development of product in this area. Whilst a summary of these products is in this brochure, please visit www.dimplex.co.uk/renewables for full details of our renewable solutions.

And of course energy efficient electric heating appliances are by definition 'renewables ready', meaning that as more renewable and low carbon sources of supply become available, electricity will increasingly be favoured over gas. Long term, there is little doubt that the future is electric, which already has a number of benefits.

Low Capital & Installation Costs

Electric heating is very easy to install, keeping costs to a minimum. As it doesn't require any pipe-work, just a connection to the electrical circuit[s], it can frequently be installed in minutes. For new build properties this means installation at the second fix wiring stage, and for refurbishments/replacements it means minimal disruption for the household. What's more, because the heaters can work as stand-alone units, it is easy to add heaters to a system at any time as budgets permit.

Low Life Ownership Costs

There is often confusion about the running costs of electric heating compared with other fuels; however the cost of energy for different heating systems is only part of the equation. The true cost is the lifetime costs of the system, which take into account the fuel used and the hidden maintenance costs over its lifetime. Electric heaters are 100% efficient at the point of use, so all the electricity used is converted directly into heat, unlike boiler-based systems where energy is wasted through the flue. Add to this the fact that an electric heating system lasts an average of 50% longer than a gas system, the true ownership cost means that an electric heating system can be a more cost effective solution in many developments. For more details on this subject, please visit our website www.dimplex.co.uk.

Flexible & Versatile

Because electric heating doesn't require a flue or pipe-work, there are none of the regulatory or planning issues associated with positioning of flues to restrict the building design. Electric heaters can also be installed virtually anywhere in the room, again aiding freedom of design. The versatility of electric heating can also be a major advantage for home extensions where the existing system may have insufficient capacity to heat extra radiators.

Safe, Reliable Systems

Whatever type of heating you specify, safety is always an important consideration. Because electric heaters do not burn fuel internally to generate heat, there are none of the associated safety risks, such as carbon monoxide poisoning or explosions. Storage based electric heating systems also provide continuous heat throughout the day, maintaining a consistent temperature in the building fabric. This helps eliminate any long term building maintenance problems associated with condensation, benefiting occupants with a healthier, more comfortable living environment.

No Maintenance and No Annual Inspection

Maintaining a heating system can, depending on the choice of fuel, add significantly to the overall cost of running the system, so it is very important to consider the likely impact of maintenance costs and safety check requirements. With virtually no moving parts to break down or wear out, electric heating is extremely reliable. Gas boiler based system on the other hand should be regularly serviced and, although not a legal requirement in private properties, should be given an annual safety check. However both private and social housing landlords are legally required to have annual safety checks on gas appliances, which can be costly and time consuming.

Comfort and Control

There have been significant developments in electric heating in the last few years and most incorporate highly sensitive, integral electronic thermostatic controls, to maintain an even room temperature. And at Dimplex we also offer a variety of control options for our installed heating products.

Benefits of Electric Water Heating

Electric water heating is an efficient method of heating water directly with electric immersions that are in direct contact with the water, reducing the energy losses that can be experienced from pipework and circulating pumps. If you have an off-peak electricity supply it allows the water to be heated during the evening or early morning providing a full tank of hot water ready for each day. The use of a booster immersion allows additional water to be heated during periods where water demands exceed the normal daily usage so that extra baths or showers can be catered for.

Solar PV

Heat pumps

DIMPLEX IN TODAY'S WORLD

THE ENERGY SAVING ETHOS

In heating, Dimplex has always been at the leading edge of energy saving so you can ensure you can be ready for tomorrow's world today. From the latest state-of-the-art renewables solutions including solar and heat pumps, to a commitment to high comfort, performance and energy saving features that run throughout the range. In virtually any product, you'll find clever design features that help reduce energy usage and costs.

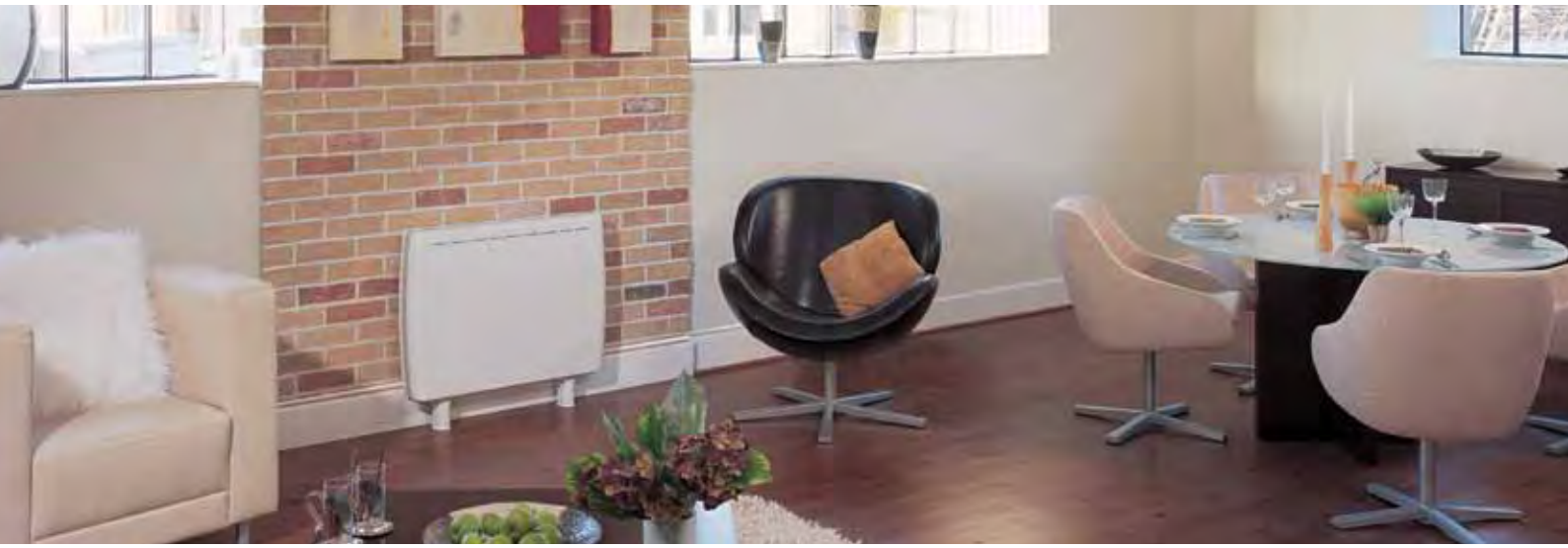
LOW CARBON SOLUTIONS

With a heritage of over 30 years manufacturing heat pumps in Europe and now in Northern Ireland, Dimplex offers the widest range in the UK, suitable for domestic and commercial installations. Please see pages 112-113 for a summary of the range.

For householders, builders and social housing providers seeking a fully integrated and pre-packaged low energy heating and hot water solution, Dimplex offers solar thermal hot water. It means it's easy to achieve the all electric low carbon property that's not only compliant with Part L of the Building Regulations and aids a property's Code for Sustainable Homes rating, but future proofed with low running costs. Guaranteed.

Dimplex now also offers a wide range of Solar PV packages, which can provide up to 50% of a typical domestic household's annual electricity needs. Containing polycrystalline modules and everything required for installation, the kits offer the ideal solution for clean, locally-generated energy, reduced carbon emissions, as well as allowing homeowners, businesses and public sectar organisations to take advantage of the financial benefits of the Feed in Tariff.

Dimplex is the right choice



Dimplex is the brand leader in electric space and water heating. With a heritage of 60 years, Dimplex has an unmatched reputation for quality and reliability and unrivalled experience and innovation.

A critical aspect of our success is built upon a policy of continuous investment in every area of the business – from product development right through to customer service.

No-one else in the industry invests more in developing products that constantly set new standards, with central design facility research teams at factories in the UK and Europe.

Our investment in people, training and resources is reflected in the quality of our products and the standard of our before and post sales service.

As part of our commitment to product quality, we also apply stringent controls to every part of our manufacturing process and are ISO9002 approved.

Consumer Support

As well as up-to-date product information, our website is full of useful information to help find you the product that is right for you. Key features include:

- Dealer listings. Simply type in your postcode and get a list of relevant companies local to you.
- Help Me Choose Selector. If you don't know which heater to choose, answer a few simple questions and get a list of our most suitable products.
- On-line Calculator. Ideal if you need to know how much heat you need for a room or even a property. Alternatively use our quick guides on pages 10 and 11.
- Installation and operating instructions downloads. If you have already purchased a product or need to know more about it before purchasing, all the latest instructions are available on-line.
- After-Sales information. In the unlikely event of a problem with one of our products, this section of the website provides you with all the information you need whether your product is in or out of warranty.

Please visit www.dimplex.co.uk/support

Support for trade professionals

Current and future legislation, together with a variety of initiatives, is forcing an increasingly holistic approach to construction and this now includes looking at how the heating system performs with the building rather than in isolation.

As a result, Dimplex has produced RouteOne – a series of technical guides which cover the key issues and how these translate into real-life solutions incorporating low carbon electric heating, solar hot water and heat pumps. This information is on our website at www.dimplex.co.uk/routeone or copies of the publications can be ordered via marketing@dimplex.co.uk. Our in-house heating design team is also available for advice over the phone to give guidance on how to achieve Part L guidance and the team can be contacted on 0845 600 5111.

We also offer a heating design service to provide the optimum heating solution. For a single property please complete the form on page 12 of this brochure and fax to us. For multiple dwellings we require comprehensive scale drawings which should be sent to:

Heating Design, Millbrook House, Grange Drive, Hedge End, Southampton SO30 2DF. Our standard turnaround times are 7 days for a single dwelling and 14 days for multiple properties, although this can vary according to demand.

CPD Professional Courses

Please visit our website for information on CPD events.

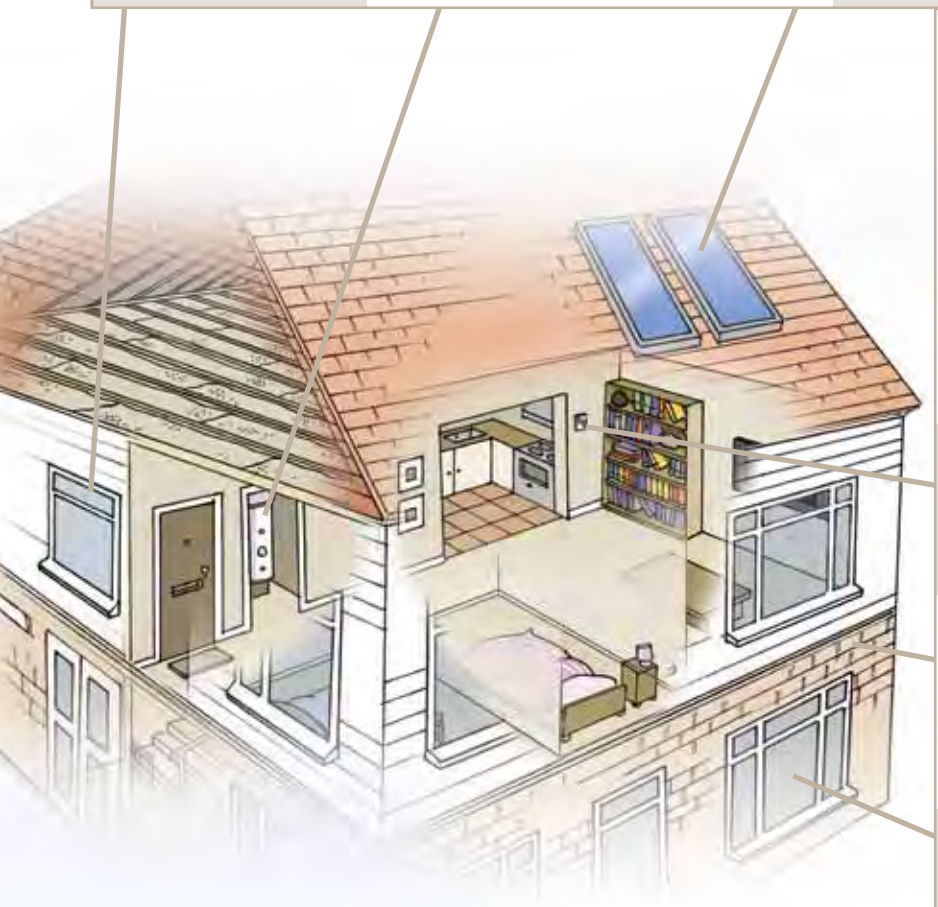
Part L & the Code for Sustainable Homes

With Part L of the Building Regulations and the Code for Sustainable Homes both driving the reduction of carbon emissions in buildings, the design and specification of the building fabric will have to be improved, whatever the fuel. If you are a developer or homebuilder, it's good to know that compliance with Building Regulations Part L can be straightforward using the latest Dimplex heating systems. Here are eight key areas where simple adjustments can be made to the building design to reduce the Target Emissions Rate (TER) and help achieve Part L compliance and improve the Code for Sustainable Homes rating.

1. Heat communal areas
For multiple occupancy dwellings like flats, specifying a low level of background heating in the communal areas, such as hallways, allows these walls to be disregarded from the SAP calculation as they no longer represent a heat loss.

2. Reduce hot water cylinder capacity
The cylinder efficiency is not affected by improvements in the thermal performance of the building fabric. However, the Building Regulations' TER calculation assumes a 170L cylinder capacity, so reducing this provides a carbon saving. Dimplex SCXn cylinders out perform the SAP default figures in terms of their heat loss in 24 hours. Figures show that with a 150 litre cylinder in a new build property this can be almost equivalent to 1kgCO_2/M^2/year.

3. Include Solar Thermal Hot Water or Solar PV
One of the easiest and quickest solutions, as solar thermal provides up to 60% of a property's water heating needs. For multiple dwelling developments (such as flats) it's possible to use whole block methodology to demonstrate compliance with Part L. Solar hot water can be fitted to the top floor apartments to give a lower carbon dioxide emission, which is then traded off against the lower floors which may have higher emission rates. When inputting the data into SAP, using the net collector area and the (α) and (η) figures can have a marked improvement on the DER. Solar PV which generates electricity from daylight is also an ideal solution.



4. Reduce air permeability
Improving air tightness beyond the mandatory level reduces emissions at relatively low cost. Electric heating has an advantage here as it reduces the quantity of pipes/holes in the building fabric. Reducing this too far may make MVHR mandatory. A key feature of SAP 2009 is that party walls with unfilled and un sealed cavities are assumed to have a U value of 0.5W/m^2k. The national dwelling used in calculating the TER assumes a U value for cavity party walls of 0.0W/m^2k. This compares to 0.4W/m^2k in last years Part L1A 2010 consultation. This means that insulating/sealing cavity party walls will not count towards the 25% improvement target. Realistically it means that unless they are filled and sealed they will be a big negative towards your target of compliance.

5. Improve controllability
The more controllable the heating appliance, the lower the carbon emissions. Dimplex electronic panel heaters or DuoHeat storage radiators score highly in SAP due to their controllability and energy efficiency.

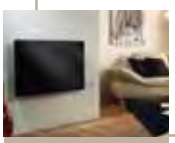
6. Basic fabric improvements
The notional building used to calculate the TER assumes u-values at the 2002 elemental level, i.e. walls at 0.35, glazing at 2.0, etc. Improving these by a modest amount to reduce the energy required to heat the building, e.g. walls to 0.3, glazing to 1.8, roof to 0.20 provides an immediate carbon dioxide emissions saving.

7. Reduce glazed area
The Building Regulations' TER calculation assumes glazing occupies up to 25% of the floor area. In practice, however, the glazed area for flats is generally much lower than this, reducing the level of improvement that specifiers need to achieve.

8. Include mechanical ventilation with heat recovery
The use of a high efficiency mechanical ventilation system with the ability to recover waste heat helps to reduce carbon emissions by recovering heat that would have been lost.

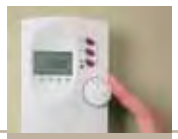
Want to know more?

In addition to our website we have a team of heating design consultants who are able to give advice over the telephone, as well as key account managers who can visit you and discuss your individual requirements if you are building or refurbishing multiple properties. Please call 0845 600 5111 in the first instance.


Girona electronic panel heater


EPX electronic panel heater


DuoHeat radiator


RXPW4 central controller


Daytona towel rail

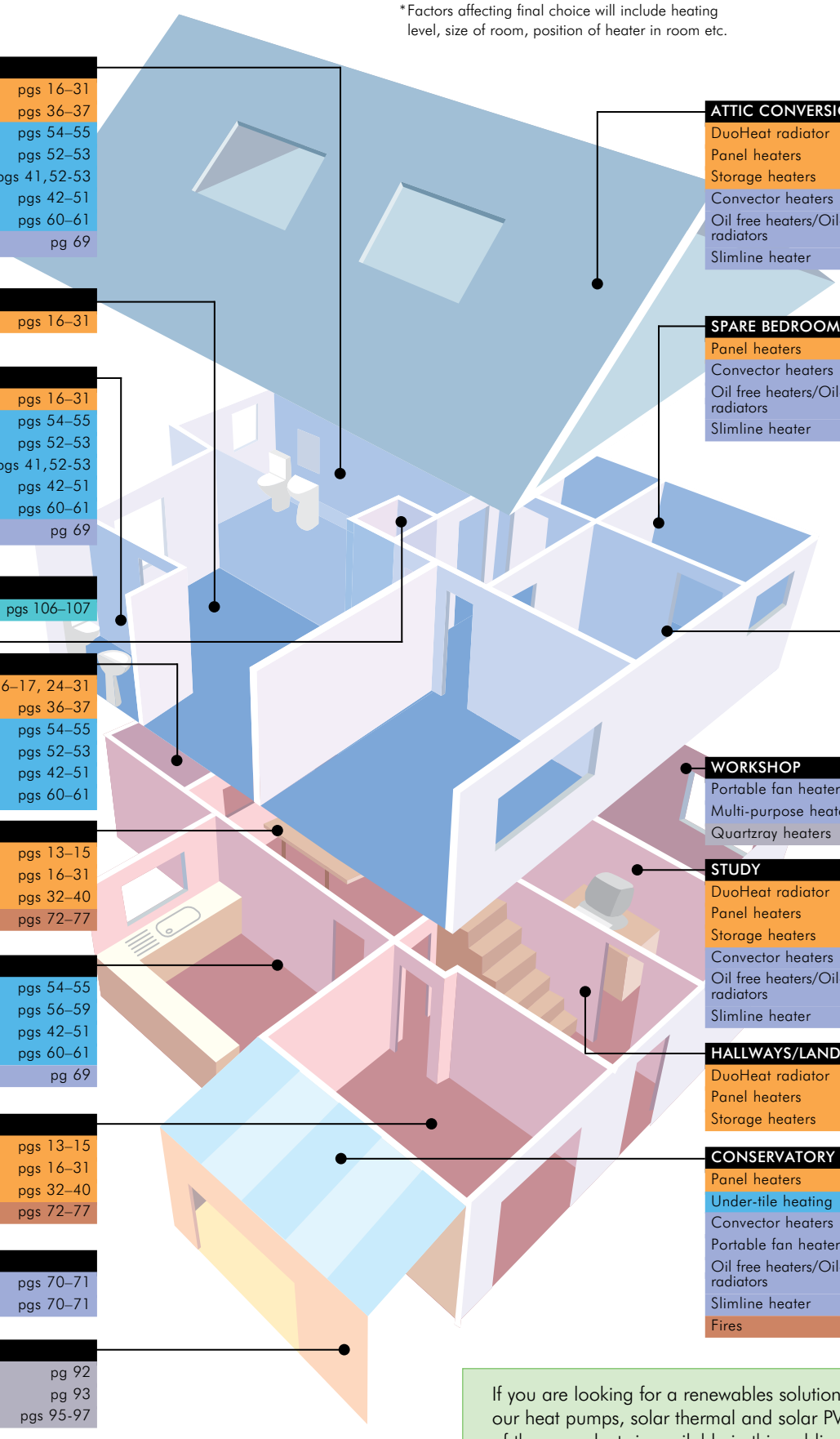

Solar thermal hot water


Solar PV

Domestic heating guide

Dimplex has a heating solution for every room in the house. Whether it's a whole house heating system or a single room, one of the real benefits is that you can choose from a whole range to meet your exact requirements.
This guide gives you a room by room selection, but your final choice will depend on your personal preferences and other factors*. Please also see pages 10-12 for design information. If you need further help or guidance, speak to your supplier.

*Factors affecting final choice will include heating level, size of room, position of heater in room etc.



BATHROOM
- Panel heaters pgs 16–31
- Mini storage heaters pgs 36–37
- Fan heaters pgs 54–55
- Radiant panel heaters pgs 52–53
- Bathroom radiators pgs 41,52-53
- Towel rails pgs 42–51
- Under-tile heating pgs 60–61
- Infra-red heaters pg 69

MAIN BEDROOMS
- Panel heaters pgs 16–31

ENSUITE
- Panel heaters pgs 16–31
- Fan heaters pgs 54–55
- Radiant panel heaters pgs 52–53
- Bathroom radiators pgs 41,52-53
- Towel rails pgs 42–51
- Under-tile heating pgs 60–61
- Infra-red heaters pg 69

AIRING CUPBOARD
- EC-Eau unvented cylinders pgs 106–107

UTILITY ROOM
- Panel heaters pgs 16–17, 24–31
- Mini storage heater pgs 36–37
- Fan heaters pgs 54–55
- Radiant panel heaters pgs 52–53
- Towel rail pgs 42–51
- Under-tile heating pgs 60–61

DINING ROOM
- DuoHeat radiators pgs 13–15
- Panel heaters pgs 16–31
- Storage heaters pgs 32–40
- Fires pgs 72–77

KITCHEN
- Fan heaters pgs 54–55
- Base unit heaters pgs 56–59
- Towel rails pgs 42–51
- Under-tile heating pgs 60–61
- Infra-red heaters pg 69

LOUNGE
- DuoHeat radiator pgs 13–15
- Panel heaters pgs 16–31
- Storage heaters pgs 32–40
- Fires pgs 72–77

GREENHOUSE
- Tubular heaters pgs 70–71
- Multi-purpose heaters pgs 70–71

PATIO
- OPH range pg 92
- CPH range pg 93
- Ceramic radiant heaters pgs 95-97

ATTIC CONVERSION
- DuoHeat radiator pgs 13–15
- Panel heaters pgs 16–31
- Storage heaters pgs 32–40
- Convector heaters pg 63
- Oil free heaters/Oil-filled radiators pgs 64–67
- Slimline heater pg 68

SPARE BEDROOM
- Panel heaters pgs 16–31
- Convector heaters pg 63
- Oil free heaters/Oil-filled radiators pgs 64–67
- Slimline heater pg 68

WORKSHOP
- Portable fan heaters pg 62
- Multi-purpose heaters pgs 70–71
- Quartzray heaters pgs 94,96-97

STUDY
- DuoHeat radiator pgs 13–15
- Panel heaters pgs 16–27
- Storage heaters pgs 32–40
- Convector heaters pg 63
- Oil free heaters/Oil-filled radiators pgs 64–67
- Slimline heater pg 68

HALLWAYS/LANDINGS
- DuoHeat radiator pgs 13–15
- Panel heaters pgs 16–31
- Storage heaters pgs 32–40

CONSERVATORY
- Panel heaters pgs 16–31
- Under-tile heating pgs 60–61
- Convector heaters pg 63
- Portable fan heaters pg 62
- Oil free heaters/Oil-filled radiators pgs 64–67
- Slimline heater pg 68
- Fires pgs 72–77

If you are looking for a renewables solution, don't forget our heat pumps, solar thermal and solar PV. A summary of these products is available in this publication.
Or visit www.dimplexrenewables.co.uk for full details.

Commercial heating guide

Dimplex heaters are ideal for use in many commercial and industrial applications as outlined here.
This table should be taken as a guide only. Individual requirements will depend on a number of factors including size of building, insulation levels, and heating level recommended. Don't forget heat pumps, solar thermal and solar PV are also ideal for a wide range of commercial installations, from offices through to schools.

Location	Product Range	Page	Comments
Small Business			
– **Workshops**	Commercial fan heaters	86-91	Directional fan heating
– **Workstations**	Quartzray & ceramic radiant heaters	94-97	Efficient zone heating
– **Temporary Buildings**	Portable convector heaters	63	Compact heaters
Retail & Commerce			
– **Shop**	Over door heaters	78-79	Localised door heating
– **Offices**	Commercial air curtains	80-83, 85	Creates an 'invisible door'
– **Restaurants**	Wall mounted fan convectors	98-99	Low level fan heating
	Patio heaters	92-93	Outdoor heating
– **Waiting Rooms**	Electricaire ducted air heaters	102-103	Cost effective air heaters
– **Recreation Rooms**	Tubular heaters	70-71	Window demisting
– **Pubs & Clubs**	Quartzray & ceramic radiant heaters	94-97	Efficient zone heating
	Patio heaters	92-93	Outdoor smoking area
	Storage heaters	32-40, 100-101	Economical heating
	Panel heaters	16-31	Slimline heating
Medium Commercial			
– **Supermarkets**	Commercial air curtains	80-83, 85	Creates an 'invisible door'
– **Airports**	Commercial fan heaters	86-91	Directional fan heating
– **Hotels**	Panel heaters	16-31	Slimline controllable heating
	Towel rails	42-53	Warm dry towels
– **Garages**	Storage heaters	32-40, 100-101	Economical heating
– **Leisure Centres**	Quartzray & ceramic radiant heaters	94-97	Efficient zone heating
– **Hospitals**	Wall mounted fan convectors	98-99	Low level fan heating
	Towel rails	42-53	Warm dry towels
Industrial			
– **Warehouses**	Commercial fan heaters	86-91	Directional fan heating
– **Hangars**	Commercial & industrial air curtains	80-85	Creates an 'invisible door'
	Quartzray & ceramic radiant heaters	94-97	Efficient zone heating
– **Factories**	Commercial & industrial air curtains	80-85	Creates an 'invisible door'
	Quartzray & ceramic radiant heaters	94-97	Efficient zone heating
– **Hazardous Areas**	Air warmer & flameproof heaters	104-105	Industrial area heating
Community			
– **Churches**	Quartzray & ceramic radiant heaters	94-97	Efficient zone heating
– **Meeting Halls**	Wall mounted fan heaters	98-99	Directional fan heating
– **Museums & Libraries**	Storage heaters	32-40, 100-101	Economical heating
– **Village Halls**	Electricaire ducted air heaters	102-103	Cost effective air heaters

Heating design guide

Dimplex provides a number of options, to meet different property and timescale requirements.

If you need to obtain an indication of the heating requirements for estimating or if you need heating for one or two rooms, please use the Selection Guide below. Alternative use our online calculator at www.dimplex.co.uk/heatdesign

For single properties, please complete the form on page 12 and post or fax it with a sketch plan to our heating design dept (01489 773067). We aim to provide an accurate assessment within 7 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 14 working day service for this type of assessment.

How to use this selection guide.

The tables below provide heater sizing guidance for traditional electric heating systems, including storage heaters and panel heaters. For sizing guidance for DuoHeat radiators please refer to page 11.

For traditional electric heating the preferred options for living and dining rooms are CXLN combination storage heaters or FXLi fan storage to provide a greater degree of comfort and control. Heater sizing for XLS/XLN storage heaters can be easily calculated.

Knowing the floor area, the wall construction and the number of outside walls, the heater loading in kilowatts is indicated in the appropriate table.

These tables do not take into account particularly old properties or those built very recently. If your property fits into one of these classifications, please complete the form on page 12 so that we can provide a more accurate assessment.

Note a ceiling height of 2.4m is assumed and a minimum of 75mm of roof insulation. The customer service department can provide information on halls, landings and bathrooms.

Living or dining room: FXLi fan storage or **CXLSN** combination storage heaters. 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		
m^2	1	2	3	1	2	3	1	2	3
12	2.3	2.7	3.6	2.0	2.4	3.1	1.4	1.6	2.1
16	2.6	3.1	4.0	2.3	2.9	3.6	1.7	2.0	2.4
20	3.3	3.9	4.9	2.9	3.4	4.3	2.1	2.4	2.9
24	3.7	4.3	5.4	3.3	3.9	4.7	2.6	2.9	3.3
28	4.1	4.9	6.0	3.7	4.3	5.3	2.7	3.1	3.7
32	4.4	5.4	6.6	4.1	4.7	5.9	3.0	3.4	4.0

For XLS/XLN heaters multiply loading by 1.5.

Bedrooms: For bedrooms panel heaters are recommended. 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		
m^2	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/XLN heaters multiply loading by 1.5.

Kitchen: XLS/XLN storage heating. 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		
m^2	1	2	3	1	2	3	1	2	3
10	1.6	2.1	2.9	1.4	2.0	2.4	For all kitchens with cavity wall insulation direct heating is fine, choose from BFH plinth heaters or FX fan heaters for all situations.		
12	1.9	2.7	3.3	1.7	2.3	2.9			
14	2.1	3.0	3.6	2.0	2.6	3.1			
16	2.4	3.3	3.9	2.1	2.9	3.4			

Commercial heating

For greater control and economy of operation FXLi fan storage heaters are recommended. Sizing can be easily calculated for XLS/XLN storage heaters.
Sizing is based on a single storey with a ceiling height of 3m and a minimum of 75mm of roof insulation.

Office: FXLi fan storage heaters or **CXLSN** combination storage heaters. 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		
m^2	1	2	3	1	2	3	1	2	3
15	2.7	3.7	5.1	2.5	3.2	4.4	2.1	2.6	3.3
20	3.3	4.4	5.6	3.0	3.9	5.0	2.6	3.2	3.9
25	3.7	5.1	6.5	3.4	4.6	5.7	3.0	3.8	4.5
30	4.4	5.9	7.3	4.2	5.3	6.5	3.6	4.4	5.2
40	6.0	7.4	9.6	5.5	6.7	8.4	4.9	5.6	6.7
50	6.6	8.5	10.5	6.2	7.8	9.3	5.6	6.6	7.6

For XLS/XLN heaters multiply loading by 1.5.

Online calculator also available at www.dimplex.co.uk/heatdesign

Heater sizing table

How to use this selection guide.

The tables below are for use with DuoHeat radiators only – for other products please refer to our selection charts on page 10. Unlike the charts on page 10, these tables cover all applications – living room, dining room, kitchen and hallway – and are designed to provide for an internal temperature of 21°C.

DuoHeat radiators are designed to provide primary heating in main living areas, including living rooms, dining rooms, kitchen/diners and hallways/landings. This should be supplemented in other rooms, such as bedrooms and bathrooms, with Dimplex electronic panel heaters.

DuoHeat® Radiator Sizing – Replacement Systems

For sizing of DuoHeat radiators to replace existing storage heater systems, replace the existing heater with a similarly sized DuoHeat radiator, as indicated below. Due to the consistency of heat output from DuoHeat radiators, this will provide a significant improvement in room comfort levels throughout the course of the day.

EXISTING HEATER	DUOHEAT RADIATOR
XL/XLS12N	Duo300n
XL/XLS18N	Duo400n
XL/XLS24N	Duo500n

When considering the correct replacement for a combination storage heater, the frequency with which the convector component is used should be taken into consideration (i.e. if it is used often, the heater may already be undersized).

Therefore it is recommended that combination storage heaters are replaced with a larger size of DuoHeat radiator, to ensure there is sufficient capacity within the system to match the capability of the convector heater being replaced. In the case of a 24kWh combination storage heater, it is recommended that an additional appliance – either a second DuoHeat radiator, Dimplex panel heater or flame effect fire is added:

EXISTING HEATER	DUOHEAT RADIATOR
CXLS12N	Duo400n
CXLS18N	Duo500n
CXLS24N	2 x Duo400n, or Duo500n + panel heater or Duo500n + flame effect fire

DuoHeat® Radiator Sizing – First time installations

The following chart provides guidance on radiator sizing for first time installations in key living areas for existing buildings. Simply select the floor area of your room from the left hand column, and choose the correct number of outside walls from either the cavity or insulated cavity wall columns. These tables do not take into account particularly old properties or those built very recently. If your property fits into one of these classifications, please complete the form on page 12 so that we can provide a more accurate assessment.

Note: A ceiling height of 2.4m and a minimum of 75mm of roof insulation is assumed.

	CAVITY WALLS			INSULATED CAVITY WALLS		
	NUMBER OF OUTSIDE WALLS			NUMBER OF OUTSIDE WALLS		
	1	2	3	1	2	3
12m2	Duo500n	Duo500n	Duo400n+400n	Duo400n	Duo400n	Duo500n
16m2	Duo500n	Duo400n+400n	Duo 400n+500n	Duo400n	Duo500n	Duo400n+300n
20m2	Duo400n+400n	Duo400n+400n	Duo500n+500n	Duo500n	Duo400n+300n	Duo400n+400n
24m2	Duo400n+400n	Duo400n+500n	Duo400n+400n+400n	Duo400n+300n	Duo400n+400n	Duo400n+400n
28m2	Duo400n+500n	Duo500n+500n	Duo400n+400n+500n	Duo400n+300n	Duo400n+400n	Duo500n+400n
32m2	Duo500n+500n	Duo400n+400n+400n	Duo400n+500n+500n	Duo400n+400n	Duo400n+400n	Duo500n+500n

Heating design request form

Scheme No. _____ (GD ONLY)

Millbrook House, Grange Drive, Hedge End, Southampton, SO30 2DF Fax No. 01489 773067

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

Contact: _____ Co. Name: _____

Address: _____

_____ Postcode: _____

Fax No: _____ Tel No: _____ Email: _____

Site name & 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 ☐ Other (please specify) _____ ☐ Detached ☐ Semi-detached ☐ Terraced

Type of construction

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

Products to be specified

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

Solar hot water ☐ Yes ☐ No

Type / usage of room (i.e. living / bedroom etc.)	Area (m^2)	Floor to ceiling height	External wall length	Window area (m^2)	External door area (m^2)	Internal wall length to unheated areas	Is room above heated?	Roof above?	Open fireplace?

Please include a scaled / sketched drawing showing the relative position of the rooms.

DuoHeat® radiators

the DUO range

The revolutionary DuoHeat radiator is the latest in stylish, energy-efficient electric heating. With a slim, modern design, user-friendly electronic controls and an innovative "smart" heat management system, DuoHeat is the perfect choice to provide efficient, controllable heat exactly when and where you want it.

By providing heat from an automatically managed mix of off-peak and direct-acting sources, DuoHeat provides the flexibility and controllability to match users' lifestyles and ensures plenty of heat is available throughout the day or evening whenever it's needed, while keeping running costs low. Smart control options also allow an entire system to be controlled from the convenience of a single programmer – just like a traditional central heating system – using Dimplex pilot wire or mains borne signalling 4-zone central programmers. DuoHeat has also been designed to be quick and easy to install, with features such as pre-wired electrical connections and fast fit assembly.

BUILDING REGULATIONS PART L COMPLIANT

Model Duo400n

Energy saving features

- Patented 'smart' heat manager automatically controls output level from each heat source, optimising controllability and economy*.
- Single, simple to use and understand electronic user control, with child lock facility:
  – Electronic room temperature control allowing user adjustment of heater output.
  – User configurable electronic automatic input charge regulator.
- Energy-efficiency savings of up to 10% compared with traditional off-peak electric heating systems, recognised by SAP2005, the tool for showing compliance with Part L of the Building Regulations.
- Compatible with Dimplex 4-zone, wall mounted pilot wire and mains borne signalling multi-heater programmers.

Model RXPW4

Other features

- Stylish, slim-line design with concealed outlet grille.
- Heat output provided by a combination of off-peak and standard rate electricity sources.
- Pre-wired electrical connections.
- Simple, secure wall fixings.
- Snap fit feet.
- Easy-fit front panel connections.
- Compatible with all off-peak tariffs.

* Patent number: GB2384300

smarter features

How DuoHeat works

The secret to the DuoHeat radiator is its intelligent use of energy, ensuring plenty of heat is available right through the day, while keeping running costs low.

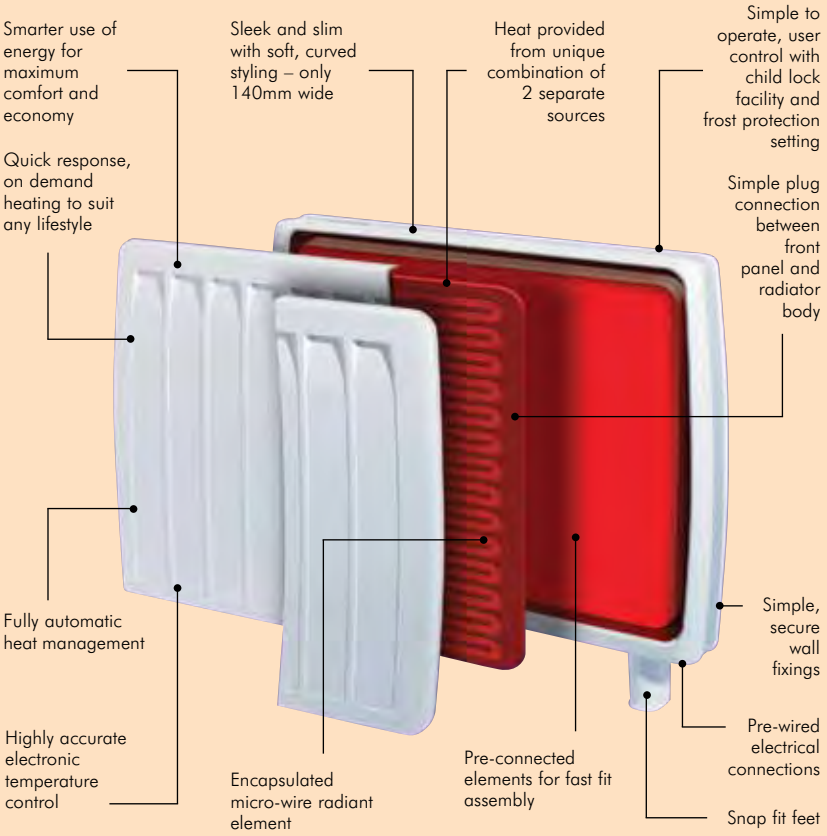
Uniquely, DuoHeat achieves this by providing heat from 2 separate, fully automatically controlled sources. Energy from low cost electricity tariffs (normally available at night) is retained in the heart of the heater and radiates from the casing throughout the day to provide heat input in to the room. Whenever needed to maintain the room temperature, this is automatically supplemented by a low wattage radiant element fitted in direct contact with the radiator's front panel. To operate effectively and efficiently, both sources must operate together to meet the user's room temperature requirement, set using a single electronic room temperature control. DuoHeat's 'smart' heat management system then automatically adjusts the proportion of heat output provided by each source as needed throughout the day to meet the occupant's selected comfort level.

Economical and controllable

Using a combination of heat sources in this way has proven to be a more effective and energy-efficient way of heating.

- Reduction of total energy use (kWh) by up to 10%, compared to traditional storage heaters.
- The 10% reduction in energy use is recognised by the Government's SAP 2005 (Standard Assessment Procedure for energy ratings in dwellings).
- Not reliant on 'off-peak energy' alone for heating.
- Heat output provided by a combination of off-peak and standard rate electricity sources.
- Stored heat is supplemented by small amounts of direct acting energy, released from the radiant front panel.
- Provides background heat to maintain room temperature, as required by the user throughout the later part of the day.
- Patented 'Smart' heat manager automatically controls output level from each heat source, optimising controllability and economy.
- Simple to use interface, with added features of child safety lock.

Optional central control unit available



Unique twin heat sources for smart optimisation of energy....

One simple finger-tip and child-proof control

constant background heating from low cost energy....

supplemented by unique thin-film radiant element whenever more heat is needed.

technical specifications

Construction Details
Durable polyester coated steel front and rear casing mounted on plastic feet (clip on). Insulated heat-retaining core behind inner front skin.

Internal Details

1 **Heat retention**
High density bonded magnetite energy retention cells.

2 **Heating elements**
Encapsulated microwire element fixed to the inside of the front panel, covering the whole fascia. Two, three or four (depending on model) mineral filled incoloy sheathed units of 650W.

3 **Thermal insulation**
Front and rear panels: microporous silica. Top and ends: resin free ceramic fibre. Base: calcium silicate slab.

Controls

1 **Room temperature controls**
Integral user adjustable electronic room thermostat controlling both front panel element operation and temperature. Set via LED membrane display on top of heater. Child lock facility.

2 **Input charge control**
Electronic room temperature sensing thermostat with external sensor. Limits charge in relation to room temperature during charge period. User selectable setting.

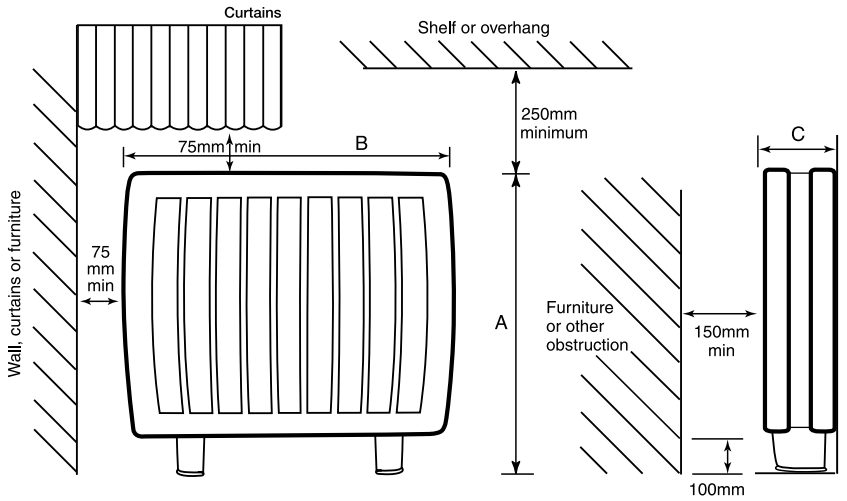
3 **Thermal safety devices**
Automatic reset core limit thermostat and manual reset over temperature cut out.

4 **Central control**
Enabled for pilot wire connection as standard. Mains Borne Controller – Mains filter RXMBSF4 is required. Each DuoHeat radiator also requires receiver RX03002 for signalling connection. Functions are:

Controller Mode	Heater Function
Comfort	Heater functions at electronic thermostat setting
Setback	Temperature controlled at 2°C below electronic thermostat setting
Frost protection	No front panel operation. Off-peak elements maintain frost protection

See pages 28–29 for central control compatibility details.

Dimensions and clearances



Model No.	Duo300n	Duo400n	Duo500n
Height A	712mm	712mm	712mm
Width B	600mm	830mm	1060mm
Depth C	130mm+10mm	130mm+10mm	130mm+10mm
Weight (Installed)	65kg	94kg	124kg

Model No.	Duo300n	Duo400n	Duo500n
Nominal Output	0.7kW	1.0kW	1.4kW
Charge Acceptance	9.1kWh	13.65kWh	18.2kWh
Background/Input	1.3kW	1.95kW	2.6kW
Radiant	0.38kW	0.47kW	0.54kW

Installation

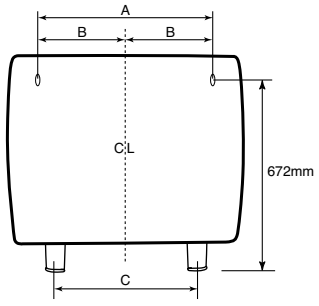
1 **Assembly**
Removable front panel with plug connection to main body.

2 **Supply connection**
Off peak supply: Located at front left hand end of base. Pre-wired with 1.6m 3 core, 2.5mm² cable. 24 hour supply: Located at front right hand end of base. Pre-wired with 1.6m 4 core, 0.75mm² cable (for pilot wire control).

3 **Feet**
Plastic moulded with 'clip on' fixing to base.

4 **Colour/Finish**
White and Grey.

Fixing Dimensions



Model No.	A	B	C
Duo300n	424mm	212mm	295mm
Duo400n	652mm	326mm	523mm
Duo500n	880mm	440mm	751mm

electronic panel convector heaters

the EPX range

The EPX range of electronic panel heaters combine advanced performance and stylish looks to provide a superior panel heating solution to meet the demands of today's leading property developers.

Styled to complement the award-winning DuoHeat radiator, the EPX range incorporates sensitive electronic thermostatic controls allowing accurate regulation of room temperatures – essential for providing comfort, economy and energy efficiency, especially where panel heaters provide the sole source of heating.

EPX panels can also be controlled by a range of optional Dimplex plug-in control programmers, providing a flexible control solution to meet the needs of any application. Alternatively, EPX can be controlled remotely by pilot wire or mains borne signalling from the range of Dimplex 4-zone central programmers.

BUILDING REGULATIONS PART L COMPLIANT

Model EPX1500

Energy saving features

- Electronic thermostatic control, providing room temperature stability to +/-0.3°C.
- Range of optional plug-in electronic timer modules, including:
  - 24 hour digital timer
  - Single-zone pilot wire programmer
  - Runback timer
- Compatible with Dimplex 4-zone, wall mounted pilot wire and mains borne signalling multi-heater programmers.

Model EPX500

Other features

- Stylish design with forward facing louvre grille for optimum heat circulation.
- Aesthetics to complement DuoHeat radiators, with pure white finish.
- Pre-set background temperature at 5°C below thermostat setting.*
- Splash-proof (IPX4) rated, for use in bathrooms or wet areas.
- Virtually noiseless operation.
- Simple detachable wall bracket for easy installation.

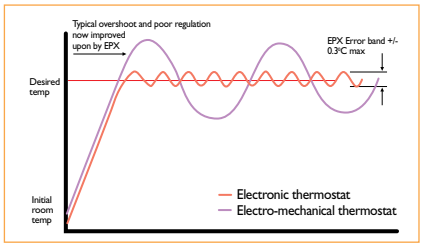
* When connected to a programming unit supporting setback feature.

technical specifications

Controls

Electronic Control

Dimplex electronic panel heaters feature highly accurate electronic thermostats, providing superior comfort and operating efficiency.
As the room temperature nears the desired set point, power to the elements is reduced, and the room temperature closely monitored to an accuracy of less than 0.3°C, minimising overshoot and temperature drift, resulting in better energy-efficiency and user comfort.



Being electronic, control is virtually noiseless and reliable.

Controls

1. **Thermostat control**
   User selection of room temperature from 5°C (frost protection) to 30°C using slider control. Slider can be locked in position if required.
2. **Power controls and indicators**
   Soft-touch on/off button, together with indicators showing when power to heater is on and when element is operating.
3. **Plug-in control modules (optional)**
   A range of optional plug-in control modules, which can be removed from the heater for easy programming, provide the flexibility for EPX to meet a wide range of control specifications:

- 24-hour Digital Timer (RX24TI)
  1 timer required per heater. Provides 24 hour programmable on/off control.
- Single Zone, Pilot Wire Programmer (RXPW1)
  Controls up to 10 slave heaters linked via pilot wire. Provides 7 day programmable on/off control.
- Runback Timer (RXRBTi)
  1 timer required per heater. Provides installer programmable runback time up to 4 hours (in 30 min increments). Can be locked into heater.

See page 28–30 for full details on the range of plug in control modules.

Multi-zone Control

Compatible with Dimplex 4-zone pilot wire and mains borne signalling controllers. (RX9913 receivers required for MBS system)

See pages 28–31 for full details on the range of control options.

Other specifications

Thermostat
Electronic type, accurate to +/- 0.3°C.

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

Thermal Cut-out
Auto reset type.

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

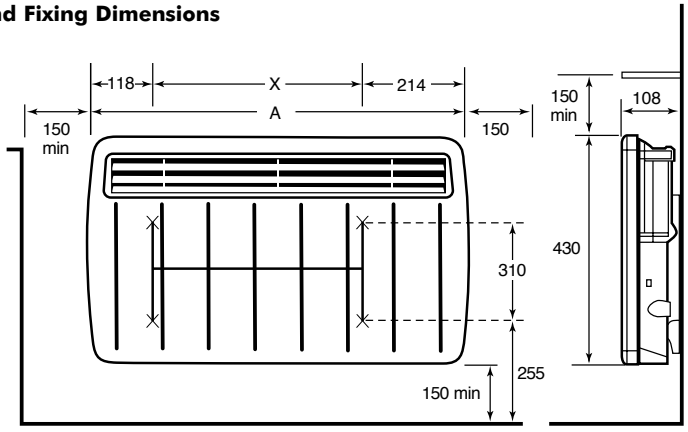
Colour/Finish
White front, back, grille and plastic parts.

Installation
Detachable wall mounting bracket.

Electrical Connections
1.2m, 4 core cable (live, neutral, earth, pilot) supplied fitted to each heater.

IP Rating
Splashproof IPX4.

Main and Fixing Dimensions



Model No.	Loading	Height	Width (A)	Depth	X	Weight
EPX500	0.5kW	430mm	450mm	108mm	117mm	5.2kg
EPX750	0.75kW	430mm	620mm	108mm	287mm	6.6kg
EPX1000	1kW	430mm	620mm	108mm	287mm	6.6kg
EPX1250	1.25kW	430mm	690mm	108mm	355mm	7.1kg
EPX1500	1.5kW	430mm	690mm	108mm	355mm	7.1kg
EPX2000	2kW	430mm	860mm	108mm	527mm	8.5kg

monterey panel heaters

BUILDING REGULATIONS PART L COMPLIANT

the Monterey range

With the same sophisticated control features and energy management options as the Girona range, the Monterey has a more traditional radiator styling – but with a modern twist. Subtle, vertical contouring gently defines the shape and with its white finish, there's a strong hint of a contemporary edge.

High levels of control are built-in as standard with a sophisticated thermostat accurate to an impressive +/-0.3°C, but if an even higher level is needed, there is a selection of optional control programmers that just plug-in to a socket in the back of each heater.

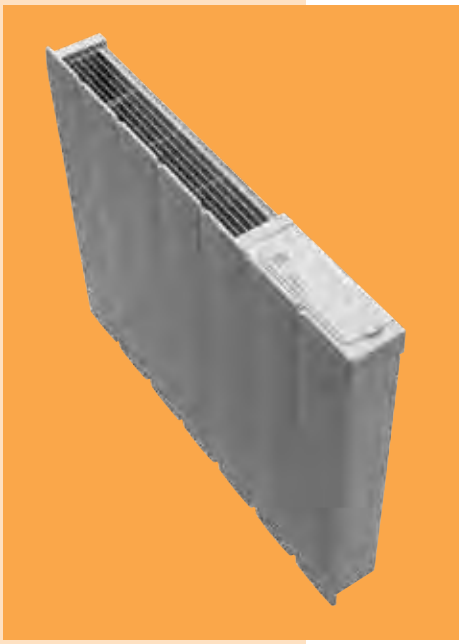
Alternatively, there is a central control option using the Dimplex 4-zone central programmer through either pilot wire or mains borne signalling.

Whatever level of control is required, the new Dimplex Monterey range provides a sophisticated heating solution that is easy to install with virtually no on-going maintenance.

Model MFP150

Energy saving features

- Electronic thermostatic control, providing room temperature stability to +/-0.3°C.
- Range of optional plug-in electronic timer modules, including:
  - 24 hour digital timer
  - Single-zone pilot wire programmer
  - Runback timer
- Compatible with Dimplex 4-zone, wall mounted pilot wire and mains borne signalling multi-heater programmers.



Other features

- Contemporary design.
- Convected heat for rapid warm up.
- Virtually noiseless operation.
- Pre-set background temperature at 5°C below thermostat setting.*
- Splash-proof (IPX4) rated, for use in bathroom or wet areas.

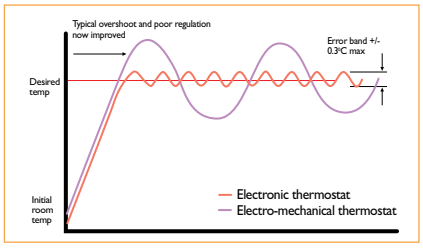
* When connected to a programming unit supporting setback feature.

technical specifications

Controls

Electronic Control

Dimplex Monterey electronic panel heaters feature highly accurate electronic thermostats, providing superior comfort and operating efficiency.
As the room temperature nears the desired set point, power to the elements is reduced, and the room temperature closely monitored to an accuracy of less than 0.3°C, minimising overshoot and temperature drift, resulting in better energy-efficiency and user comfort.



Being electronic, control is virtually noiseless and reliable.

Controls

1. **Thermostat control**
   User selection of room temperature from 5°C (frost protection) to 30°C using slider control. Slider can be locked in position if required.
2. **Power controls and indicators**
   Soft-touch on/off button, together with indicators showing when power to heater is on and when element is operating.
3. **Plug-in control modules (optional)**
   A range of optional plug-in control modules, which can be removed from the heater for easy programming, providing the flexibility to meet a wide range of control specifications:-

- 24-hour Digital Timer (RX24TI)
  1 timer required per heater. Provides 24 hour programmable on/off control.
- Single Zone, Pilot Wire Programmer (RXPW1)
  Controls up to 10 slave heaters linked via pilot wire. Provides 7 day programmable on/off control.
- Runback Timer (RXRBTi)
  1 timer required per heater. Provides installer programmable runback time up to 4 hours (in 30 min increments). Can be locked into heater.

See page 28–30 for full details on the range of plug in control modules.

Multi-zone Control

Compatible with Dimplex 4-zone pilot wire and mains borne signalling controllers. (RX9913 receivers required for MBS system)

See pages 28–31 for full details on the range of control options.

Other specifications

Thermostat
Electronic type, accurate to +/- 0.3°C.

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

Thermal Cut-out
Auto reset type.

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

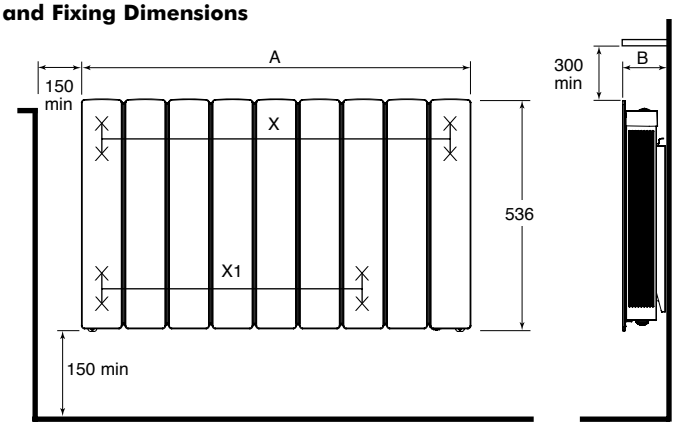
Colour/Finish
White front, back, grille and plastic parts.

Installation
Supplied with metal wall bracket.

Electrical Connections
1.0m, 4 core cable (live, neutral, earth, pilot) supplied fitted to each heater.

IP Rating
Splashproof IPX4.

Main and Fixing Dimensions



Model No.	Colour	Loading	Height	Width (A)	Depth (B)	X	X1	Weight
MFP050W	White	0.5kW	536mm	503mm	104mm	390mm	168.5mm	12kg
MFP075W	White	0.75kW	536mm	503mm	104mm	390mm	168.5mm	12kg
MFP100W	White	1.0kW	536mm	671mm	104mm	560mm	338.5mm	15kg
MFP150W	White	1.5kW	536mm	741mm	104mm	630mm	408.5mm	17.5kg
MFP200W	White	2.0kW	536mm	911mm	104mm	800mm	578.5mm	22kg

girona glass panel heaters

the Girona range

Simplicity of design combined with leading edge performance distinguishes the new Girona panel heaters.

With a sleek elegant glass front panel, this innovative range surpasses all traditional design criteria to give you a sophisticated heater that harmonises beautifully with the most fashionable of décor.

Combining Dimplex's technical expertise with design flair has produced a range of extraordinary appeal. And being electric, future proofing is naturally built-in. There are two glass finishes available in five heat outputs and a choice of black or white front panel.

The range defines a new level in heating design that can't fail to impress builders, specifiers and end-users alike.

Top levels of control are built into the Girona with sensitive electronic thermostat controls allowing accurate regulation of room temperature to within +/-0.3°C – so comfort levels can be maintained easily with maximum energy efficiency. Plus there are optional plug-in control programmers to provide another level of energy management.

Alternatively, the Girona can be controlled via our 4-zone central programmer.

BUILDING REGULATIONS PART L COMPLIANT

Model GFP150B

Energy saving features

- Electronic thermostatic control, providing room temperature stability to +/-0.3°C.
- Range of optional plug-in electronic timer modules, including:
  - 24 hour digital timer
  - Single-zone pilot wire programmer
  - Runback timer
- Compatible with Dimplex 4-zone, wall mounted pilot wire and mains borne signalling multi-heater programmers.

Model GFP150W

Other features

- Elegant glass front finish in black or white.
- Convected heat for rapid warm-up.
- Virtually noiseless operation.
- Compatible with a number of colour complementary Dimplex plug-in controllers.
- Pre-set background temperature at 5°C.*
- Splash-proof (IPX4) rated, for use in bathroom or wet areas.

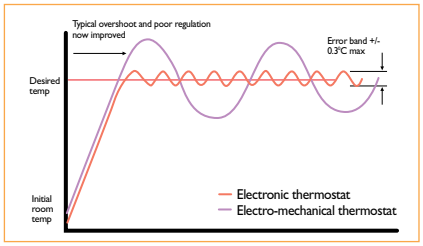
* When connected to a programming unit supporting setback feature.

technical specifications

Controls

Electronic Control

Dimplex Girona glass panel heaters feature highly accurate electronic thermostats, providing superior comfort and operating efficiency.
As the room temperature nears the desired set point, power to the elements is reduced, and the room temperature closely monitored to an accuracy of less than 0.3°C, minimising overshoot and temperature drift, resulting in better energy-efficiency and user comfort.



Being electronic, control is virtually noiseless and reliable.

Controls

Model RX24TiB

Thermostat control

User selection of room temperature from 5°C (frost protection) to 30°C using slider control. Slider can be locked in position if required.

Power controls and indicators

Soft-touch on/off button, together with indicators showing when power to heater is on and when element is operating.

Plug-in control modules (optional)

A range of optional plug-in control modules, which can be removed from the heater for easy programming, providing the flexibility to meet a wide range of control specifications:

- 24-hour Digital Timer
  1 timer required per heater. Provides 24 hour programmable on/off control. Choice of two finishes to match panel heater: RX24Ti – White, RX24TiB – Black
- Single Zone, Pilot Wire Programmer (RXPW1).
  Controls up to 10 slave heaters linked via pilot wire. Provides 7 day programmable on/off control.
- Runback Timer
  1 timer required per heater. Provides installer programmable runback time up to 4 hours (in 30 min increments). Can be locked into heater.
  Choice of two finishes to match panel heater: RXRBTi – White, RXRBTiB – Black

See page 28–30 for full details on the range of plug in control modules.

Multi-zone Control

Compatible with Dimplex 4-zone pilot wire and mains borne signalling controllers. (RX9913 receivers required for MBS system)

See pages 28–31 for full details on the range of control options.

Other specifications

Thermostat

Electronic type, accurate to +/- 0.3°C.

Element

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

Thermal Cut-out

Auto reset type.

Construction

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

Colour/Finish

Available in white or black finish.

Installation

Supplied with metal wall bracket.

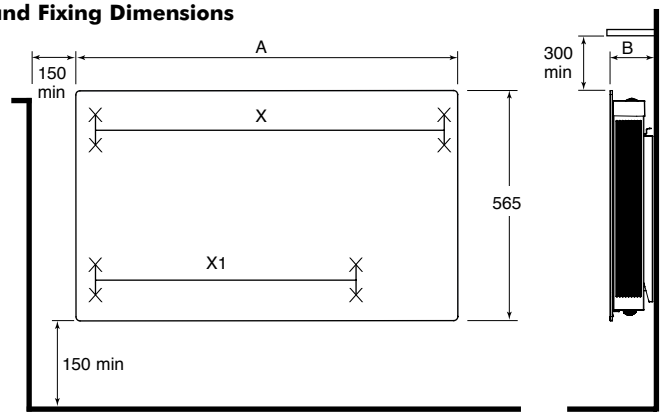
Electrical Connections

1.0m, 4 core cable (live, neutral, earth, pilot) supplied fitted to each heater.

IP Rating

Splashproof IPX4.

Main and Fixing Dimensions



Model No.	Colour	Loading	Height	Width (A)	Depth (B)	X	X1	Weight
GFP050W	White	0.5kW	565mm	530mm	107mm	390mm	168.5mm	13kg
GFP075W	White	0.75kW	565mm	530mm	107mm	390mm	168.5mm	13kg
GFP100W	White	1.0kW	565mm	700mm	107mm	560mm	338.5mm	16.5kg
GFP150W	White	1.5kW	565mm	770mm	107mm	630mm	408.5mm	20kg
GFP200W	White	2.0kW	565mm	940mm	107mm	800mm	578.5mm	26kg
GFP050B	Black	0.5kW	565mm	530mm	107mm	390mm	168.5mm	13kg
GFP075B	Black	0.75kW	565mm	530mm	107mm	390mm	168.5mm	13kg
GFP100B	Black	1.0kW	565mm	700mm	107mm	560mm	338.5mm	16.5kg
GFP150B	Black	1.5kW	565mm	770mm	107mm	630mm	408.5mm	20kg
GFP200B	Black	2.0kW	565mm	940mm	107mm	800mm	578.5mm	26kg

radiant electronic panel radiators

the RPX range

Radiant heat is the kind of warmth we feel from the sun, so it's no surprise that many people prefer their heating system to provide a comfortable level of radiant heat to warm the body. The attractive, slimline RPX panel heaters are designed to do just that, giving a perfectly balanced source of heat.

Radiant panels are ideally suited to living rooms and bedrooms, especially in modern, well insulated dwellings where heat losses are low. RPX panels are also suitable for bathroom use. Like other electronic panel heaters in the Dimplex range, the RPX also features an accurate electronic thermostat, background temperature setting and the option to be used with multi-heater programmers.

BUILDING REGULATIONS PART L COMPLIANT

Model RPX100N

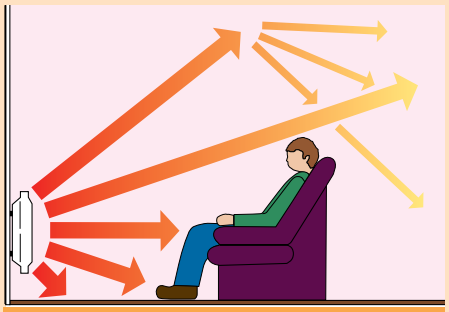
Energy saving features

- Fitted with an electronic thermostat accurate to within 0.1°C to maintain a very stable room temperature.
- User selectable comfort, background and frost protection settings.
- Compatible with Dimplex single or 4-zone multi heater programmers.

Other features

- Suitable for both domestic and commercial applications.
- Compact stylish casing with distinctive new curved grille.
- Radiant heating reduces heat stratification.
- No visible glow.
- Splashproof (IPX4 rated) for use in bathrooms and wet areas.
- Controls cover which can be locked if necessary.
- 'Apollo' bathroom model also available – see page 52 for details.

Diagrams below show forward heat distribution of the RPX panel compared with convected heat from a conventional panel heater.



RPX Radiant Panel Heater

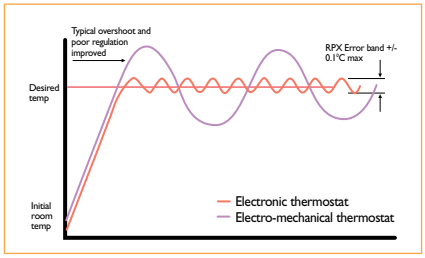
Convector Heater

technical specifications

Controls

Electronic Control

Dimplex electronic panel heaters feature highly accurate electronic thermostats, providing superior comfort and operating efficiency. As the room temperature nears the desired set point, power to the elements is reduced, and the room temperature closely monitored to an accuracy of 0.1°C, minimising overshoot and temperature drift, resulting in better energy-efficiency and user comfort.



Being electronic, control is virtually noiseless and very reliable.

Controls

1 Function control

User selection of "comfort", "background" (4°C below the thermostat setting) and "frost protection" (5°C), off and programmed operation (if programmer is fitted). Neon indicator shows function selected.

2 Thermostat Dial

The dial is marked * to 9. The * setting represents a room temperature of approximately 5°C and may be used for protection against frost. The other settings range up to a maximum room temperature of approximately 35°C. A neon indicator shows when the element is operating.

3 Plug-in control modules

A range of optional plug in control modules is available for use with the RPX:

– Single zone pilot wire programmer (RX9911) controls up to 20 slave heaters linked via pilot wire. Provides 7 day control, switching heater between comfort and setback mode. Can be removed from heater for easy programming.

– Single zone mains borne signalling programmer (RX9912) controls multiple slave heaters, with RX9913 MBS receivers fitted to each slave. Provides 7 day control, switching heater between comfort and setback modes.

See page 28–30 for full details on the range of plug in control modules.

Multi Zone Control

Compatible with Dimplex 4-zone pilot wire and mains borne signalling controllers (RX9913 receivers required for MBS systems).

See pages 28–31 for full details on the range of control options.

Other specifications

Elements

Two mineral filled sheathed electric elements are embedded in aluminium heating plates. Low element operating temperature of around 200°C reduces air drying effects and dust burning. The heating plates have a unique design – the forward face is finished in matt black and has greater surface area to maximise radiant heat. The reverse side is in its natural smooth aluminium state to minimise heat loss to the wall. The design provides an even temperature across the front panel, using the whole surface area available and maximises the throw of radiant heat into the room.

IP Rating

Splash-proof IPX4 for use in wet areas.

Construction

Durable polyester powder coated steel with mesh steel front grille.

Installation

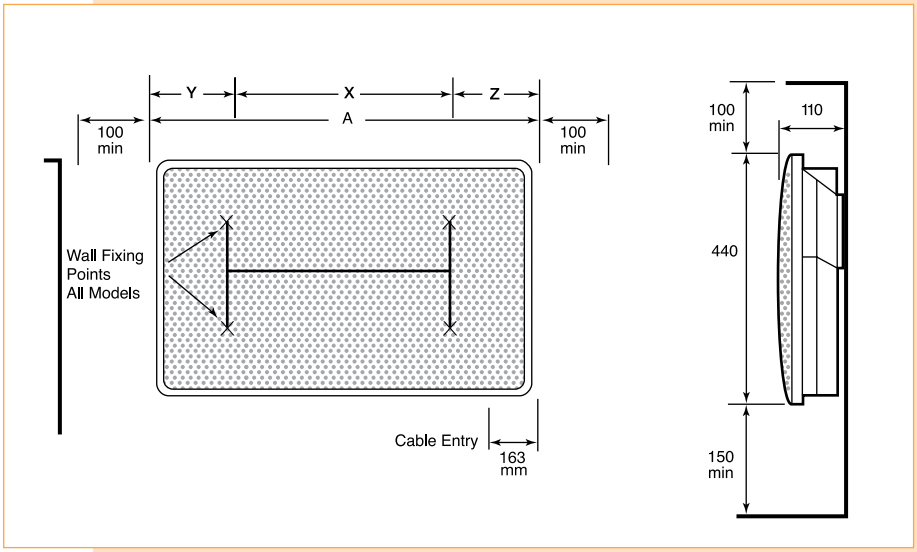
A detachable wall-mounting frame allows quick wall fixing.

Electrical Connections

2m 4-core cable (live, neutral, earth and pilot wire) supplied fitted to each heater.

Colour/Finish

White.



Model No.	Loading	Height	Width(A)	Depth	X	Y	Z	Weight
RPX075N	0.75kW	440mm	515mm	110mm	178	124.5	212.5	4.3kg
RPX100N	1.0kW	440mm	620mm	110mm	248	159.5	212.5	5.3kg
RPX150N	1.5kW	440mm	830mm	110mm	405	212.5	212.5	7.2kg
RPX200N	2.0kW	440mm	1040mm	110mm	535	252.5	252.5	9.0kg

ultra slim panel convector heaters

BUILDING REGULATIONS PART L COMPLIANT

the PLX range

The PLX range is a popular choice for specifiers, home owners and contractors who demand stylish, space saving and efficient electric heating systems. Styled to complement our popular XL storage heaters, PLX panel heaters are often used to heat areas such as bedrooms, bathrooms, kitchens and other areas, which only require heating for short periods of the day.

They are also a cost effective way to extend an existing heating system when buildings are being refurbished or new rooms added.

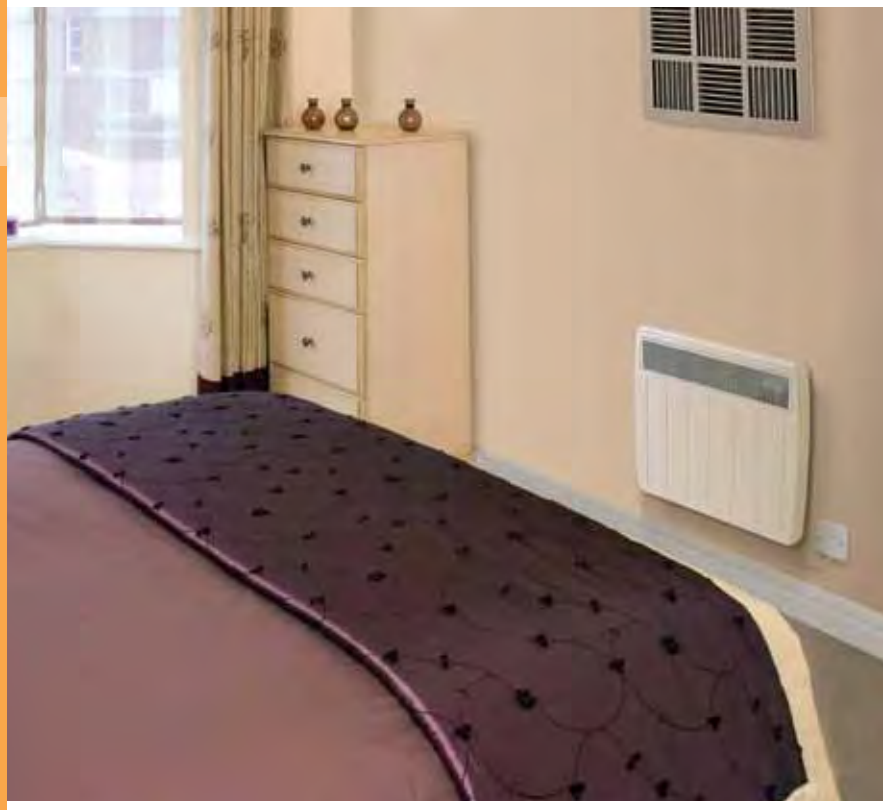
Model PLX1250

Energy saving features

- High accuracy adjustable thermostat responds to very small changes in room temperature to reduce temperature drift.*
- PLX TI models have programmable 24-hour timers.
- PLX NC models with no built-in controls for use with remote controllers.

Other features

- Full range available in willow white to match XL storage heaters.
- Convected heat for rapid warm-up.
- Suitable for domestic or commercial use.
- Choice of models with or without timers.
- All models splashproof (IPX4 rated) for use in bathrooms and other wet areas.
- Frost protection setting.**
- Option of 7-day timer on 2kW and 3kW models.
- Front air outlet grille for efficient heat circulation.
- Lockable dust cover protects controls.
- Detachable hinged wall mounting frame for fast installation and easy cleaning.



Model PLX750TI

* PLX TI, PLX TX models or PLX NC models fitted with appropriate external thermostat/timer (see page 31).

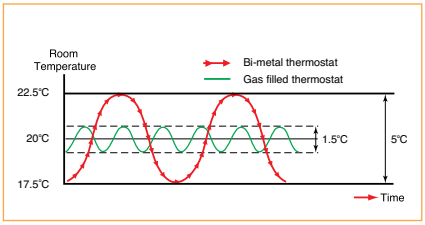
** Not applicable to PLX NC range.

technical specifications

Sensitive Thermostat

Conventional bi-metal thermostats can allow "drift" of as much as 5°C in room temperature owing to the effects of the changing heater output, resulting in discomfort for the user and energy wastage.

Dimplex PLX panel heaters feature close tolerance gas-filled thermostats, maintaining room temperatures to within +/- 1.5°C, eliminating resultant under/over heating and improving user comfort and energy efficiency.



Controls

1 Thermostat control

User selection of room temperature from 5°C (frost protection) to 35°C using rotary knob.

2 On/off switch

A single pole on/off switch controls the electricity supply to the heater. A neon indicator will illuminate when the switch is ON and power is being supplied to the elements.

3 Built-in 24 hour/7 day programmers (TI/TX models)

Incorporating accurate and reliable timers, the built-in 24 hour time clock on the PLX/TI models enables daily heating needs to be programmed in advance. The clock may be set to switch on and off as often as required throughout the day.

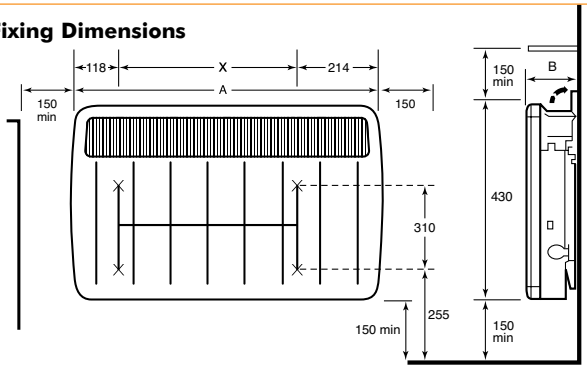
When heat is needed unexpectedly, an over-ride switch enables the timer to be by-passed without altering the pre-set programme. The selector control also has an OFF position.

Models PLX2000TX and PLX3000TX feature seven day timers, allowing different weekday and weekend programmes and are ideal for commercial or office use.

4 Heat selection switch

Each model incorporates a half heat selection switch, enabling the smallest model to be switched to just 250W, ideal for small rooms. The thermostat operates on full or half load.

Main and Fixing Dimensions



Model No	Loading	Height	Width(A)	Depth (B)	X	Colour	Weight
Thermostat only models							
PLX500	0.5kW	430mm	450mm	108mm	117mm	Willow White	4.8kg
PLX750	0.75kW	430mm	620mm	108mm	287mm	Willow White	6.2kg
PLX1000	1.0kW	430mm	620mm	108mm	287mm	Willow White	6.2kg
PLX1250	1.25kW	430mm	690mm	108mm	355mm	Willow White	6.6kg
PLX1500	1.5kW	430mm	690mm	108mm	355mm	Willow White	6.6kg
PLX2000	2.0kW	430mm	860mm	108mm	527mm	Willow White	8.0kg
PLX3000	3.0kW	430mm	860mm	143mm	527mm	Willow White	10.0kg
24 Hour Timer models							
PLX500TI	0.5kW	430mm	450mm	108mm	117mm	Willow White	4.8kg
PLX750TI	0.75kW	430mm	620mm	108mm	287mm	Willow White	6.2kg
PLX1000TI	1.0kW	430mm	620mm	108mm	287mm	Willow White	6.2kg
PLX1250TI	1.25kW	430mm	690mm	108mm	355mm	Willow White	6.6kg
PLX1500TI	1.5kW	430mm	690mm	108mm	355mm	Willow White	6.6kg
PLX2000TI	2.0kW	430mm	860mm	108mm	527mm	Willow White	8.0kg
PLX3000TI	3.0kW	430mm	860mm	143mm	527mm	Willow White	10.0kg
7 Day Timer models							
PLX2000TX	2.0kW	430mm	860mm	108mm	527mm	Willow White	8.0kg
PLX3000TX	3.0kW	430mm	860mm	143mm	527mm	Willow White	10.0kg
No Controls models							
PLX500NC	0.5kW	430mm	450mm	108mm	117mm	Willow White	4.8kg
PLX750NC	0.75kW	430mm	620mm	108mm	287mm	Willow White	6.2kg
PLX1000NC	1.0kW	430mm	620mm	108mm	287mm	Willow White	6.2kg
PLX1250NC	1.25kW	430mm	690mm	108mm	355mm	Willow White	6.6kg
PLX1500NC	1.5kW	430mm	690mm	108mm	355mm	Willow White	6.6kg
PLX2000NC	2.0kW	430mm	860mm	108mm	527mm	Willow White	8.0kg

PLX NC Range

Supplied with no controls (except internal safety cut-out) and designed specifically for use with Dimplex wall mounted remote controls. Six outputs are available, up to 2kW. See page 31 for details of compatible control options.

Thermostat

Gas filled type. Accurate to within 1.5°C. Range 5°-35°C.

Element

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

Thermal Cut-out

Auto reset type.

Construction

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

Colour/Finish

Willow white front and rear panels, with contrasting birch grey grille.

Installation

Detachable wall mounting bracket.

Electrical Connections

1.0m of supply cable fitted to each heater.

IP Rating

Splashproof IPX4.

electronic skirting panel convector heaters

the EVS range

Low profile EVS electronic panel convector heaters provide the ideal solution where wall height is restricted, for example conservatories.

Featuring electronic thermostats and background temperature controls, the EVS range provides accurate regulation of room temperatures, essential for comfort and economy, especially where panel convectors provide the sole source of heat.

Incorporating a sensitive electronic thermostat and unique finned element design, the EVS range can be used as a stand alone heater or alternatively controlled remotely via pilot wire or mains borne signalling.

Optional programming cassettes or wall mounted central control units allow fully programmable control for up to 20 heaters.

BUILDING REGULATIONS PART L COMPLIANT

Model EVS050

Energy saving features

- Electronic thermostat accurate to ±0.1°C to maintain a very stable room temperature.
- Adjustable economy "background" setting to reduce room temperature when room is unoccupied. This provides better comfort levels, faster warm-up and also protects the building structure and contents against frost and condensation.
- Compatible with Dimplex single or 4-zone multi heater programmers.

Model EVS050

Other features

- Low profile construction only 220mm high, ideal where wall height is restricted.
- Frost protection/holiday setting.
- Splash-proof (IPX4 rated) for use in bathrooms and wet areas.
- Lockable dust cover to protect controls.
- Unique "silent" finned element design.
- Stylish one piece front panel with forward facing grille for better heat circulation.

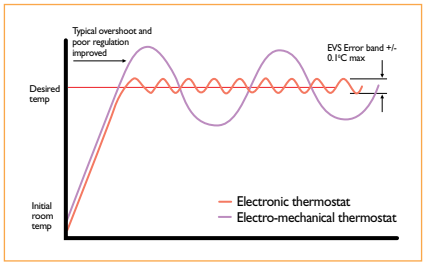
technical specifications

Controls

Electronic Control

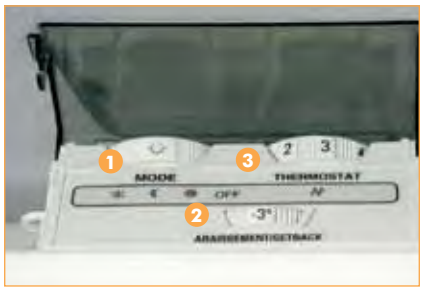
Dimplex electronic panel heaters feature highly accurate electronic thermostats, providing superior comfort and operating efficiency.

As the room temperature nears the desired set point, power to the elements is reduced, and the room temperature closely monitored to an accuracy of 0.1°C, minimising overshoot and temperature drift, resulting in better energy-efficiency and user comfort.



Being electronic, control is virtually noiseless and reliable.

Controls



1 Function control
User selection of "comfort", "background" and "frost protection" (5°C), off and programmed operation (if programmer is fitted). Neon indicator shows function selected.

2 Setback dial
The dial allows the user to select background level e.g. –3 equals 3°C below the thermostat setting. Background range is from 2°C to 7°C below thermostat setting.

3 Thermostat dial
The dial is marked * to 9. The * setting represents a room temperature of approximately 5°C and may be used for protection against frost. The other settings range up to a maximum room temperature of approximately 35°C. A neon indicator shows when the element is operating.

Multi Zone Control

Compatible with Dimplex 4-zone pilot wire and mains borne signalling controllers (RX9913 receivers required for MBS systems).

See pages 28–31 for full details on the range of control options.

Other specifications

Elements

Compact mineral filled sheathed element with aluminium fins for better heat dispersion and virtually silent operation.

Construction

Durable polyester powder coated steel with forward facing front grille.

IP Rating

Splash-proof IPX4 for use in wet areas.

Installation

Integral wall bracket with keyhole fixing slots.

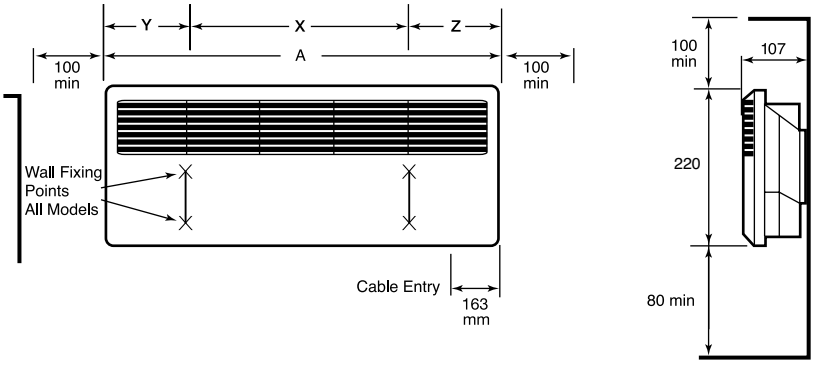
Electrical Connections

2m 4-core cable (live, neutral, earth and pilot wire) supplied fitted to each heater.

Colour/Finish

White.

Main and Fixing Dimensions



Model No.	Loading	Height	Width (A)	Depth	X	Y	Z	Weight
EVS050	0.50kW	220mm	580mm	107mm	186	149	245	3.4kg
EVS075	0.75kW	220mm	820mm	107mm	426	149	245	4.6kg
EVS100	1.0kW	220mm	1060mm	107mm	666	149	245	5.7kg
EVS150	1.5kW	220mm	1300mm	107mm	906	149	245	6.9kg

electronic controls for panel heaters and DuoHeat radiator

for energy saving comfort and convenience

This range of controllers provides fully programmable energy saving control for Dimplex electronic panel heaters, DuoHeat radiators and now even additional ancillary appliances, such as towel rails or hot water systems, providing unmatched levels of versatility and energy efficiency.

With options ranging from 24 hour digital timers for individual heaters, through to single or 4-zone multi-heater programmers, there is a flexible and easy to use control solution available to meet the needs of virtually any application.

Controller type		Signalling method	Zone	Colour/Finish
4-zone wall mounted programmers **Models:** RXPW4 and RXMBS4		Pilot wire (RXPW4) Mains Borne (RXMBS4)	4 4	White White
Programmable 24-hour digital timer **Models:** RX24Ti and RX24TiB		Single heater	–	White (RX24Ti) Black (RX24TiB)
Single zone programming cassette **Model:** RXPW1		Pilot wire	1	White
Electronic runback timer **Models:** RXRBTi and RXRBTiB		Single heater	–	White (RXRBTi) Black (RXRBTiB)
Single zone programming cassette **Models:** RX9911, RX9912, RX9913		Pilot Wire (RX9911) Mains Borne (RX9912) MBS Receiver (RX9913)	1	White
Pilot wire interface **Model:** RXPWIF		Pilot wire	–	White

Also see page 53 for details of radio frequency controllers.

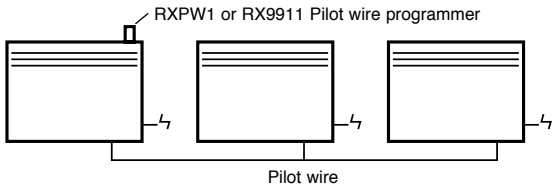
Product features	Compatibility
Dimplex 4-zone wall mounted programmers provide the flexibility of complete system control from the convenience of a single point. Each zone in the system can be individually configured with a custom 7 day time programme, allowing complete flexibility over system design. • Wall mounted, mains powered units • Installer configurable option to allow switching between Comfort/ Setback modes, Comfort/Off modes or Comfort/Frost protection modes • Manual programme over-ride facility, with automatic return to programme at next timed change • Continuous Comfort, Setback, Frost protection and Off modes* • Holiday (time absence) mode • Easy to install and configure • RXPW4 pilot wire programmer can be used with RXPWIF interface unit to control ancillary appliances, such as towel rails or hot water systems. Note: For MBS option, RX9913 receiver cassettes are required for each panel heater or RX03002 for each DuoHeat radiator. * Off mode not applicable for DuoHeat. Note: Pilot wire installations are appropriate for single phase connection only.	Monterey, Girona, EPX, EVS, RPX, Apollo electronic panel heater & DuoHeat radiator
The RX24TI timer provides programmable 24 hour time control, so each panel heater can be configured to its own individual operating programme. • 24 hour digital programming cassette – plugs directly into panel heater • 4 programmable time periods, switching heater between On/Off modes • Programme advance and manual over ride features • 1 timer required per heater • Cassette can be removed from heater for easy programming • Back lit LCD with power-save mode • Programmes saved in memory for 12 hours in event of power failure • Quick start user guides printed on rear of programming cassette.	Monterey, Girona and EPX
RXPW1 single zone programming cassettes allow multiple EPX, Girona and Monterey panel heaters to be controlled on a common time programme, with slave heaters linked to a master heater via pilot wire. • 7 day, single zone pilot wire programming cassette – plugs directly into heater • Master/slave control – master heater fitted with programmer controls up to 10 slave heaters via pilot wire • 4 programmable time periods for weekdays and weekends, switching heater between On/Off modes • Programme advance and manual over ride features • Cassette can be removed from heater for easy programming • Back lit LCD with power-save mode • Programmes saved in memory for 12 hours in event of power failure • Quick start user guides printed on rear of programming cassette.	Monterey, Girona and EPX
The RXRBTI runback timer is ideal for controlling energy costs in areas such as student accommodation or hotels, allowing the heater to operate only for a preset period of time each time the controller is activated. • Runback timer cassette – plugs directly into panel heater • Installer adjustable run back time, 30 mins to 4 hours (in 30 min increments) • Switches heater between On and Off modes on button press • 1 timer required per heater • Can be locked into heater by installer, preventing user from tampering with time settings • Neon indicates when time period is active • Alternative "advanced" mode allows heater to be controlled on comfort/ background basis.	Monterey, Girona and EPX
RX single zone programming cassettes allow multiple EVS, RPX and Apollo panel heaters to be controlled on a common time programme, with slave heaters linked to a master via pilot wires or mains borne signalling. • Master/slave control – master heater fitted with programmer controls up to 20 slave heaters (RX9913 receivers required for MBS versions) • Choice of 7 preset or 1 customisable programme per day of the week, switching heater between comfort and setback modes (note: not On/Off) • Cassette can be removed from heater for easy programming • Programmes saved in memory for 4 hours in event of power failure • Quick start user guides printed on rear of programming cassette.	EVS, RPX, Apollo
The RXPWIF pilot wire interface unit provides additional system versatility by allowing ancillary appliances, such as towel rails or water heaters, to be controlled via a pilot wire programmer (typically RXPW4 4 zone controller). • Allows control over ancillary appliances up to 3kW (16A) load (typically towel rail or hot water cylinder immersion heater) • Installed local to the appliance being controlled. 38mm single gang wiring accessory back box required (not supplied) • Switches power to appliance when programmer in comfort mode; disconnects supply when programmer in all other modes • Ideal for use with RXPW4 4-zone pilot wire programmer.	Towel rails and hot water immersion heater cylinder rated up to 3kW (16A) load

Pilot wire connection

Pilot wire installations utilise an additional control wire linked between each heater. This is a 240V live conductor, carrying a low current signal to activate the various modes on the heater electronic control. Up to 20 heaters per zone can be supported (dependent on controller and application).

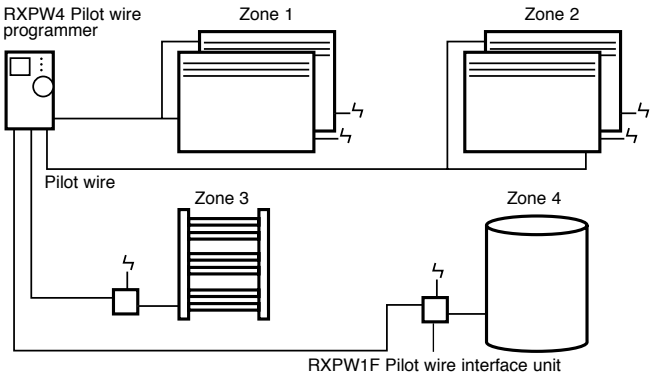
This system is ideal for new build applications as the pilot wire can be installed with the first fix wiring. As heaters require no additional receivers, this offers a cost-effective means of central control.

Single Zone Configuration



Note: Pilot wire installations are appropriate for single phase connection only.

Four Zone Configuration



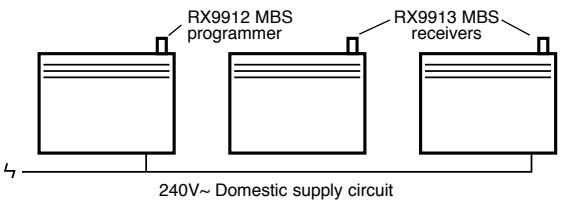
Note: Pilot wire installations are appropriate for single phase connection only.

Mains borne signalling connection

Mains borne signalling (MBS) uses the standard twin and earth wiring in the domestic supply circuit to carry a modulated signal between each heater. A receiver cassette is required in each slave heater to decode the signal. Unique electronic identity codes in each programmer prevent interference with receivers in different zones/buildings and negate the need for additional mains filtering.

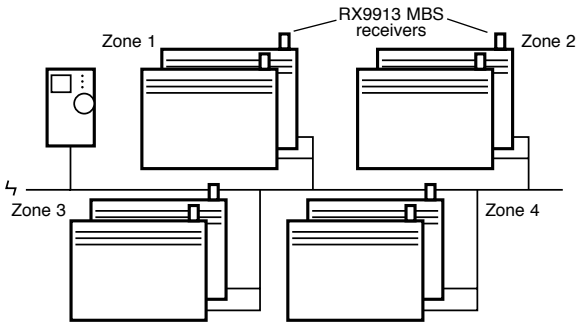
This system is ideal for use in existing buildings where it is not possible to install an additional hard wired connection between heaters.

Single Zone Configuration



Note: Heaters and programmers should be installed on the same supply circuit, connected to the same phase. For a 3ph installation a phase coupler should be used.

Four Zone Configuration



Key: ϟ = 240V domestic supply circuit.

panel heater controls

for all Dimplex panel heaters

PX controls

A range of accessories for panel heaters to provide better control of running costs, improved comfort and ease of use.

PX Range features

- Ideal to control energy costs in areas such as student accommodation, hotels and offices.
- Designed for use with PLX/NC no control panel heaters or any other heater up to 3KW output (except Quartz heaters).
- When activated room temperature is boosted from background to comfort temperature for a pre-set period of time.
- Comfort temperature, background temperature and time delay selected on installation.
- User cannot adjust settings once installed.
- PX01001 touchpad activated.
- PX9700 and PX9900 activated by PIR occupancy detector.
- Comfort temperature range: 16°C to 25°C
- Setback temperature range 5°C to 19°C.
- PX9900 offers additional level of setback (fixed at 5°C if room is still unoccupied after 8 hours).
- Comfort period when activated selectable from 0 – 2 hours. (4 hours on PX01001)
- Heating cannot be reactivated until current comfort period has expired.
- Neon function indicators.

PX01001 control

PX9700 & PX9900 control

KX controls

An additional range of accessories for panel heater control, allowing either on/off control or comfort and setback switching using a pilot wire.

KX Range features

- Particularly suited to hotels and student accommodation.
- Saves energy wastage by switching heater off when room is unoccupied.
- Able to switch the heater On and Off, (PLX, Monterey, Girona, EPX, EVS, RPX).
- Can also be used to switch the heater between the comfort setting when the room is occupied and lower background temperature when the room is vacated. (Monterey, Girona, EPX, EVS, RPX).
- When card or key fob is inserted, the room temperature is boosted until it is removed.
- Able to switch 2 separate 20A circuits giving control of suitable heaters up to 3KW and power to any other device. (e.g lighting circuit).
- Neon pocket indicator gives an easily visible backlit slot when located in dark areas.
- Compatible with a standard recessed single gang back box for easy installation. (Using the supplied adaptor plate).
- Card switch suitable for any credit card sized entry card (including VINGCARD and CORKEY door entry systems).
- Key fob supplied with Key fob switch gives ample room for hotel names, room numbers and addresses to be included.
- Additional key fobs available separately.
- Model Nos: KX03003 – Card Switch,
  KX03001 – Key Switch;
  KX03002 – Key Fob for Key Switch.

KX03003

KX03001

slimline storage heaters

manual & automatic input controls

the XLN and XLSN ranges

The UK's slimmest and most popular storage heaters offer performance, economy, ultra slim design and maintenance free reliability.

The XLN and XLSN are suitable for a wide range of domestic and commercial applications. The heating level of XLN range is adjusted by means of a variable input control, which the occupant sets in line with the changing weather conditions.

The automatic XLSN range offers improved comfort, economy and ease of use, with a sophisticated automatic charging system to ensure the level of charge is adjusted to compensate for changing weather conditions without the need for user intervention. At the heart of this system is the patented Twin Sensor®*, which meets the requirements of Building Regulations Part L1, which requires all electric storage heaters installed in new build to be fitted with automatic charge controls.

BUILDING REGULATIONS PART L COMPLIANT†

Model XLS12N

Energy saving features

- XLSN range features automatic charge regulator, which automatically adjusts the level of input charge to compensate for changing weather conditions without user intervention.
- Running cost savings of up to 15% can be achieved using automatic controller compared to manual static storage heaters.

Other features

- Less than 150mm (6" deep).
- Smooth curved styling.
- XLN range features manually adjustable charge regulator to control the amount of heat stored during the charge period.
- Room temperature boost control increases heat output when required and may be used automatically or manually.
- Easy to use controls, out of sight of young children.
- Frontal grille for efficient heat distribution.
- Secure wall fixings for safety.
- Feet may be fitted under carpet or on top of a suitable floor covering.
- Matches the PLX range of panel heaters.
- Compatible with all off peak tariffs.
- Drip proof construction (IPX2 rated).
- See page 40 for accessories.

Storage heater with 'SHE' shelf

* UK Patent No: GB2265454 † XLSN models.

technical specifications

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

Internal Details

1 Storage Core
Material: High density bonded magnetite bricks.

2 Heating Element
Type: Incoloy sheathed in units of 850W.

3 Thermal Insulation
Type (a) Front and Rear Panels – microporous silica.
Type (b) Top and Ends – resin free mineral wool.
Type (c) Base – calcium silicate slab.

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

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

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

1 Charge Controller – XL
Type: Bi-metal, adjustable from zero charge to fully charged condition

2 Charge Controller – XLS
Type: Hydraulic close differential room temperature sensing thermostat with external sensor.

3 Thermal Safety Device
Type: Bi-metal – manual reset.

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

Model	Dimension A	No. of slots
XL12N/XLS12N	542mm	4
XL18N/XLS18N	770mm	5
XL24N/XLS24N	998mm	6

Packing

1 Case Assembly and Weights
Containing assembled heater case and heating elements. Packed in single carton.

Model	Weight without bricks	Weight with bricks	No. of bricks
XL12N/XLS12N	20kg	76kg	8
XL18N/XLS18N	26kg	109kg	12
XL24N/XLS24N	32kg	144kg	16

2 Storage Bricks
Supplied, 2 bricks per pack. Approx weight of brick 7.5kg each. (See above for weight of heater with and without bricks).

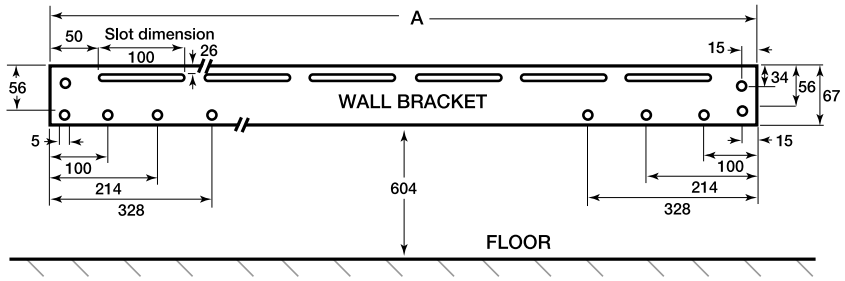
IP Rating
Drip-proof IPX2.

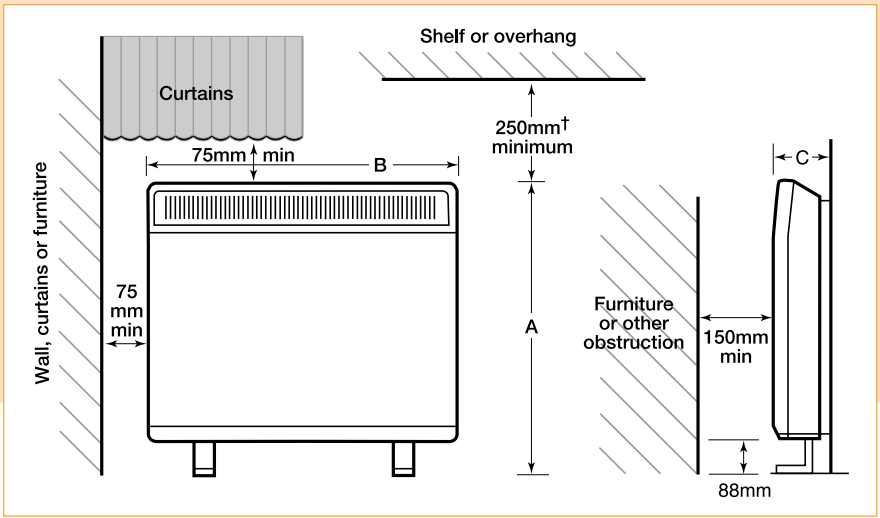
Finish
Front panel, sides and top panel – Willow White; rear heat shield, wall spacer and grille – contrasting Birch Grey.

Shelf
An attractive shelf is available in 3 lengths. (See page 32 for photograph).

Accessories
Please refer to page 40 for details of optional accessories.

Wall Bracket Fixing





Model	XL12N/XLS12N	XL18N/XLS18N	XL24N/XLS24N
Performance Input rating	1.70kW	2.55kW	3.4kW
Charge Acceptance (7hr continuous)	11.9kWh	17.85kWh	23.8kWh
Height (A)	706mm	706mm	706mm
Width (B)	565mm	793mm	1021mm
Depth (C)	146mm	146mm	146mm
Installed Weight	76kg	109kg	144kg
Shelf Model No.	SHE12	SHE18	SHE24

combination storage & convector heaters

BUILDING REGULATIONS PART L COMPLIANT

the CXLSN range

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

CXLSN models incorporate the Dimplex Twin Sensor®* automatic charging system, ensuring the correct charge is taken regardless of changing weather conditions without the need for user adjustments, and complying with Building Regulations Part L1, which requires all electric storage heaters installed in new build to be fitted with automatic charge controls.

By providing two heaters in one compact case, the CXLSN saves space, and its smooth curved styling complements XLSN storage heaters and PLX panel heaters.

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

Energy saving features

- CXLSN range features automatic charge regulator, which automatically adjusts the level of input charge to compensate for changing weather conditions without user intervention.

Other features

- Provides a continuous source of warmth, primarily from cheap off peak electricity.
- Convector gives completely silent top-up heating.
- Convector thermostat can be set to maintain constant room temperatures and automatically switch on as necessary.
- Conveniently positioned convector controls on the front panel.
- Lower convector loadings selectable on installation.
- Secure wall fixing for safety.
- Feet may be fitted under carpet or on top of suitable floor covering.
- Simple assembly for flexible positioning and quick installation.
- See page 40 for accessories.

Model CXLS18N

* UK Patent No: GB2265454

technical specifications

Internal Details – Storage Heater

1 Storage Core
Material: High density bonded magnetite bricks.

2 Heating Element
Type: Incoloy sheathed in units of 850W.

3 Thermal Insulation
Type (a) Front and Rear Panels – microporous silica.
Type (b) Top and Ends – resin free mineral wool.
Type (c) Base – calcium silicate slab.

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

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

Storage Controls

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

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

2 Thermal Safety Device
Type: Bi-metal – manual reset.

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

Internal Details – Convector Heater

1 Element
Type: Stitched Ribbon.
Material: Nickel/Chrome/Iron.
Element can be de-rated by 50% on installation.

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

Convector Controls

Located to right of convector air outlet grille.

1 Room Temperature Thermostat
Type: Hydraulic, adjustable.

2 Safety Cut-Out
Type: Bi-metallic, disconnect supply to reset type.

3 ON/OFF Switch
Type: Single pole incorporating neon which illuminates when switch is in ON position.

4 Neon
An additional neon illuminates when convector heater is drawing current.

5 Wall fixing bracket
Please refer to diagram on page 33 for wall fixing detail.

Finish

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

Construction Details

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

Packing

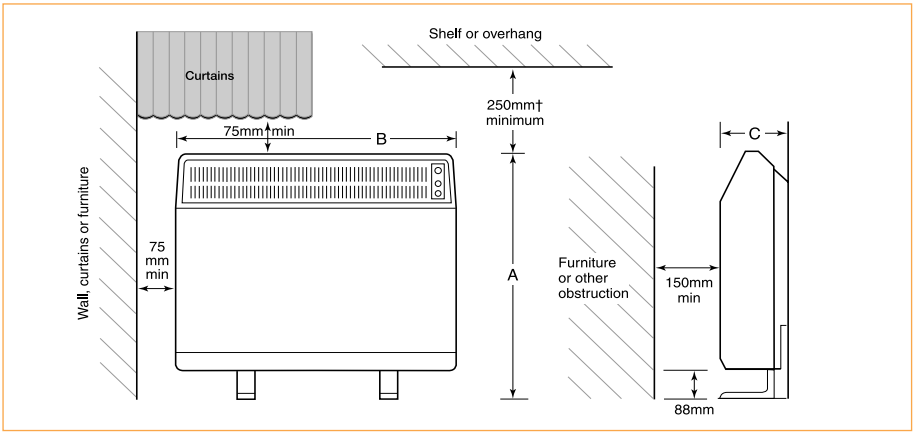
1 Case Assembly and Weights
Containing assembled heater case and heating elements. Packed in single carton.

Model	Weight without bricks	Weight with bricks	No. of bricks
CXLS12N	19.5kg	77kg	8
CXLS18N	24kg	111kg	12
CXLS24N	29.5kg	146kg	16

2 Storage Bricks
Supplied, 2 bricks per pack. Approx brick weight 7.5kg each. (See above for weight of heater with and without bricks).

Shelf

An attractive shelf is available in 3 lengths. (See page 32 for photograph).



† When using Dimplex shelves a clearance of 150mm must be maintained.
The wall fixing arrangement is adjustable to accommodate for skirtings up to 150mm high and 25mm deep.

Model	CXLS12N	CXLS18N	CXLS24N
Storage Heater performance Input Rating	1.7kW	2.55kW	3.4k
Charge Acceptance 7hr	11.9kWh	17.85kWh	23.8kWh
Convector Heater performance Maximum Output	900W	1450W	2000W
Other outputs available (Set on installation)*	450W	450W, 1000W	650W, 1350W
Height (A)	706mm	706mm	706mm
Width (B)	565mm	793mm	1021mm
Depth (C)	193mm	193mm	193mm
Height above floor	88mm	88mm	88mm
Installed Weight	77kg	111kg	146kg
Shelf Model	SHE12	SHE18	SHE24

* Element can be de-rated by 50% on installation.

mini storage heaters

the XL6N & XLS6N range

Mini storage heaters are extra compact versions of our popular XL and XLS storage heaters bringing the benefits of off peak heating to areas which were traditionally too small for storage heaters such as bathrooms, cloakrooms and ensuites.

They are also ideal to top up existing heating in cold spots, improving the overall comfort and efficiency of the system.

BUILDING REGULATIONS PART L COMPLIANT†

Energy saving feature

- XLS6N has automatic input control to automatically regulate the input charge according to changing weather conditions.

Other features

- Designed specifically for use in wet areas such as bathrooms.
- Suitable for use in confined areas, for background heating, or to supplement an existing system.
- XL6N has preset input control.
- Input loading of just 850W.
- Drip proof construction (IPX2 rated).
- Secure wall fixing for safety.
- Feet may be fitted under carpet or on top of suitable floor covering.
- Simple assembly for flexible positioning and quick installation.
- Compatible with all off peak tariffs.
- Accessory towel rail (part no. STR6) and shelf (SHE6) available.

† XLS6N model.

Model XL6N

STR6 – Accessory towel rail

technical specifications

Construction Details
Galvanised finish sheet steel base mounted on pressed steel feet, supporting double skin front and outer panels.

Internal Details

1 Storage Core
Material: High density bonded magnetite bricks.

2 Heating Element
Type: Incoloy sheathed 850W.

3 Thermal Insulation
Type (a) Front and Rear Panels – microporous silica.
Type (b) Top and Ends – resin free mineral wool.
Type (c) Base – calcium silicate slab.

4 Supply Connection
Located at front right hand end of base. Cable entry bush and cable clips allow neat supply cable entry from either side of heater.

5 Assembly
Remove one piece grille/front panel assembly then front inner skin. Remove internal packing and element, position rear layer of bricks, heating element, and front layer of bricks.

Controls

1 Charge Controller – XL
Type: Bi-metal factory pre-set for fully charged condition.

2 Thermal Safety Device
Type: Bi-metal – manual reset.

IP Rating
Drip-proof IPX2.

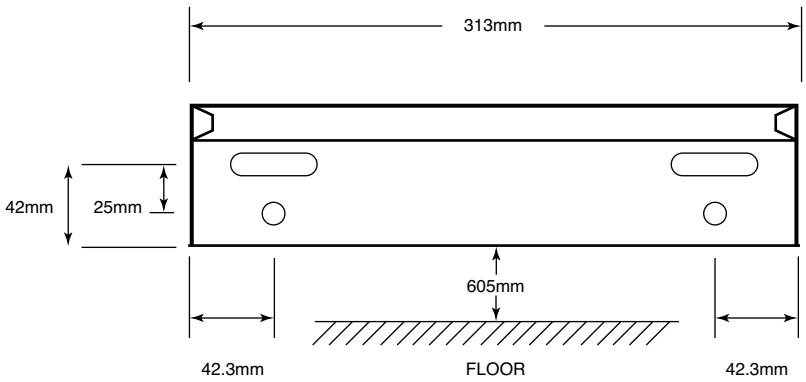
Packing

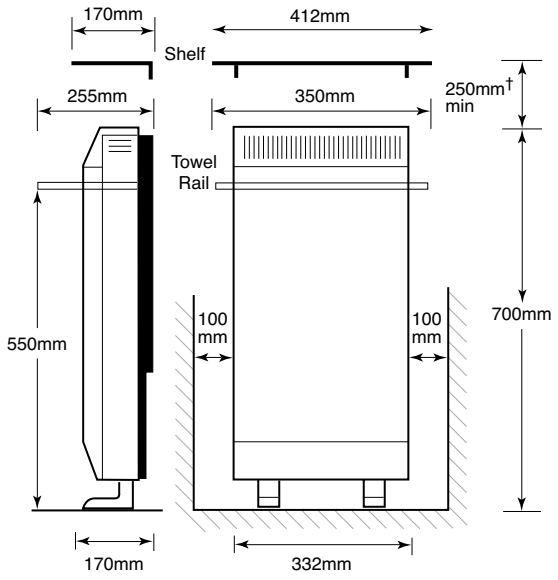
1 Case Assembly
Containing assembled heater case and heating element. Packed in single carton.

2 Storage Bricks
Supplied, 2 bricks per pack. Approx brick weight 7.5kg each.

Finish
Willow White top, sides and front panel.

Wall Bracket Fixing





† When using Dimplex shelves a clearance of 150mm must be maintained.
A clearance of 75mm must be maintained between the heater surface and any curtains.

Model	XL6N, XLS6N
Performance Input Rating	0.85kW
Charge Acceptance 7 hr	5.95kWh
Height	700mm
Width	332mm
Depth	170mm
Height above floor	88mm
Weight without bricks	11kg
Weight with bricks	41kg

automatic fan storage heaters

the FXLi range

The FXLi range of automatic fan storage heaters sets new standards for performance, control and economy.

With 2.5 times greater insulation than conventional storage heaters, more useful heat is available for later in the day and in severe weather.

This higher heat retention directly reduces running costs by up to 25%. A low noise thermostatically controlled fan ensures that the stored heat is delivered only as required, resulting in better comfort and more evenly controlled room temperatures.

The heater is fitted with a user adjustable automatic input control which varies the charge taken in response to weather conditions taking into account the amount of energy already stored in the heater. This meets the requirements of Building Regulations Part L1, which requires all storage heaters installed in new buildings to be fitted with automatic charge controls.

BUILDING REGULATIONS PART L COMPLIANT

Model FXL18i

Energy saving features

- Requires little or no top up from day energy, resulting in lower annual running costs.
- Automatic charging provides excellent economy on all tariffs.
- Accurate thermostatic control of room temperature.

Other features

- Compact design, little larger than conventional storage heaters.
- Simple controls for ease of use.
- Can add up to 6 points to a property's SAP energy rating.
- Built in boost element for supplementary heating.
- High fan speed selectable for faster core discharge in commercial environments.
- Fan operation can be controlled by external timer, such as one of Dimplex's RF thermostat kits.
- Requires both off peak and 24 hour electrical supplies.
- Secure wall fixing for safety.
- Feet may be fitted under carpet or on top of suitable floor covering.
- Simple assembly for flexible positioning and quick installation.
- Compatible with all off-peak tariffs.
- See page 40 for accessories.

easy-to-use controls

RF24T/RF07T radio frequency controls

Enables thermostatic and time control using wireless signalling between the remote wall mounted programmer and the receiver unit at the appliance. 24-hour and 7-day timer versions are available, which are ideal for providing time control over FXLi fan operation.

technical specifications

Heat Retention
The core heat storage bricks are enclosed by insulation panels providing approximately 2½ times more heat retention than conventional storage heaters.

Core Discharge
Achieved by a low noise centrifugal type fan drawing air through the hot core. The fan is switched by the room thermostat to allow heat output on demand.

Automatic Charging
Charging is regulated by a unique system monitoring both room temperature and the state of the storage core.

Boost Heating
Provided by a supplementary element which will only operate when the useful core heat is exhausted.

Internal Details

1 Insulation
Microporous silica and mineral wool.

2 Storage Core
High density bonded magnetite bricks (standard bricks as used on XL/XLS/CXLS heaters).

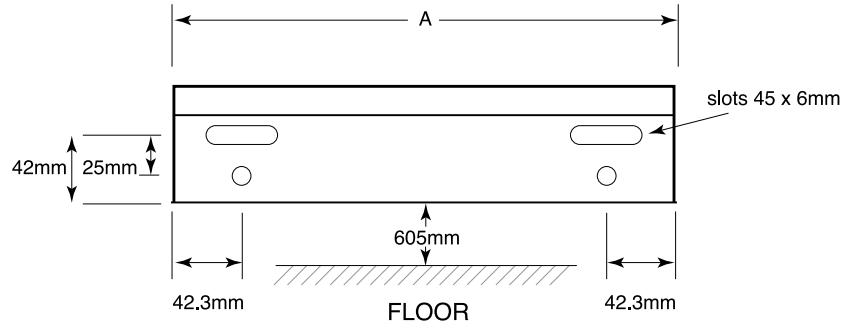
3 Heating Elements
Sheathed type.

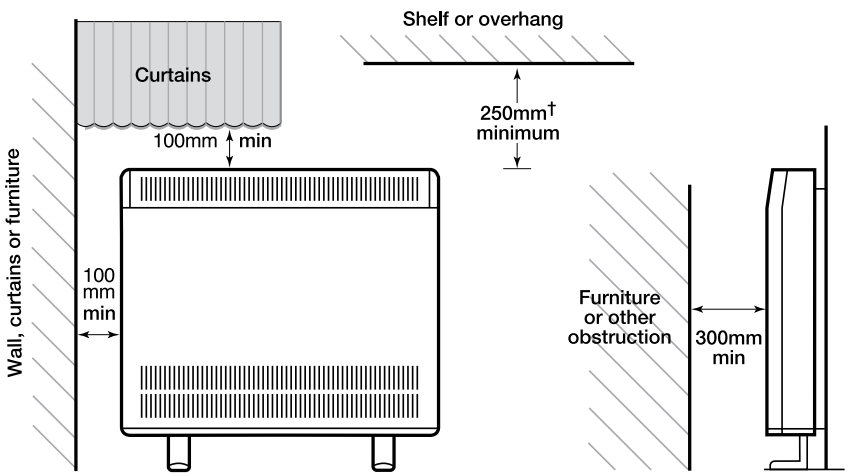
4 Core Extract Fan
Low noise centrifugal type.

5 Direct Acting Heater
Integral fan boost element.

6 Supply Connection
Two supplies taken into heater for separate storage and fan circuits. Storage heater circuit connection and fan circuit connection all at right hand end of base (left side on FXL12i). Provision for left or right hand cable entry to all circuits.

Wall Bracket Fixing





† When using Dimplex shelves a clearance of 150mm must be maintained.
The wall fixing arrangement is adjustable to accommodate for skirtings up to 150mm high and 25mm deep.

Controls

1 User Controls
Manually adjustable room temperature thermostat. On/Off switch for boost.

2 Installer Set Controls
For commercial applications, installer can permanently select higher fan speed for faster core heat extraction.

IP Rating
N/A.

Packing

1 Case Assembly and Weights
Containing assembled heater case and heating elements. Packed in single carton.

Model	Weight without bricks	Weight with bricks	No. of bricks
FXL12i	20kg	80kg	8
FXL18i	26kg	116kg	12
FXL24i	32kg	152kg	16

2 Storage Bricks
Supplied, 2 bricks per pack. Approx weight of each brick 7.5kg. (See above for weight of heater with and without bricks).

Finish
Front panel, sides and top panel – Willow White: Rear heat shield and wall spacer – contrasting Birch Grey.

Shelf
An attractive shelf is available in 2 lengths (see page 32 for photograph).

Accessories
Please refer to page 40 for details of optional accessories.

Model	FXL12i	FXL18i	FXL24i
Dimension A	541mm	769mm	997mm
No. of Slots	3	4	5

Model No.	FXL12i	FXL18i	FXL24i
Height	700mm	700mm	700mm
Width	560mm	788mm	1016mm
Depth	183mm	183mm	183mm
Storage input loading	1.7kW	2.55kW	3.4kW
Direct acting loading	1.5kW	1.5kW	1.5kW
No. of bricks	8	12	16
Weight	80kg	116kg	152kg
Shelf model no.	SHE12	SHE18	SHE24

storage heater accessories

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

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

Tamper-proof control kits for CXLS/XL/XLS storage heaters

Easily fitted by the installer to prevent user access to the controls. We recommend that where possible tamper-proof and drip-proof kits are used in conjunction with automatic input storage heaters (XLS/CXLS).

Storage Heater Shelves

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

Protective Guards

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

Using Storage Heater Guards

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

For further information and to order guards please contact our guard supplier, Norfolk Industries direct on 01603 667957 (telephone) or 01603 624265 (fax).

Surface Temperature

Dimplex products comply with EN60335, the European Standard covering safety requirements of electric heating appliances, and momentary contact with any part of the heater should not cause injury. However in order to be effective, heaters of any type do get hot especially around the air outlet grille.

Therefore, if aged or infirm persons, or young children, are likely to be left unsupervised in the vicinity of a heater, we advise that precautions should be taken to ensure that contact cannot occur. We recommend that a guard is fitted around the heater as is normal with some types of heating appliance in similar circumstances.

Accessory Conversion Kits for Storage Heaters

Part No.	Function heater models	Suitable for	Colour
XL9050	Tamper-proof	XL/XLS ranges CXLS storage heater controls	Willow White
XL9001	Tamper-proof	CXLS range convector controls	Birch Grey

Shelves for Storage Heaters

Model	Shelf Ref.	Length	Height	Depth
XL6N/XLS6N	SHE6	412mm	150mm	170mm
XL12N/XLS12N/CXLS12N/FXL12i	SHE12	640mm	150mm	170mm
XL18N/XLS18N/CXLS18N/FXL18i	SHE18	870mm	150mm	170mm
XL24N/XLS24N/CXLS24N/FXL24i	SHE24	1095mm	150mm	170mm

bathroom radiators

the Campaver range

Campaver adds a new dimension to comfort and style, blending innovative heating technology with quality and sophistication.

Energy saving features

- Radiant heating technology with supplementary surface heating film for optimum combination of radiant and convected heat.
- Integrated electronic room temperature and run back timer controlled fan boost.

Other features

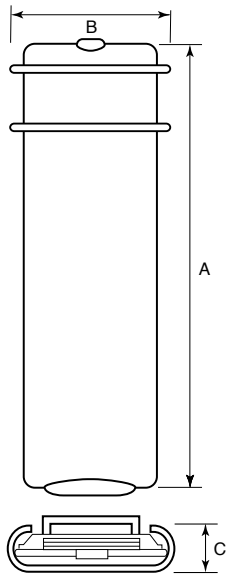
- Contemporary glass construction, available in black, white or tinted mirrored finishes.
- Accented by chrome rails for towel hanging.
- Fan boost for rapid temperature increase.

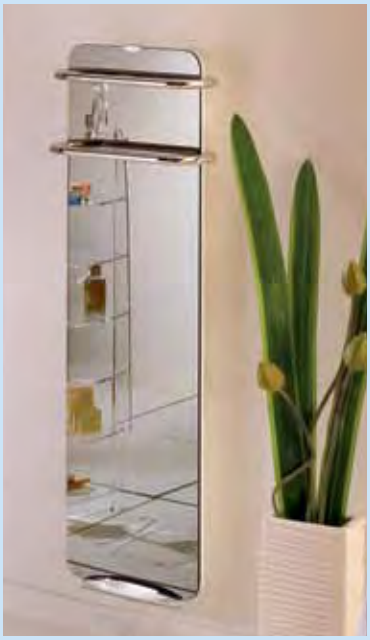
Model CMV1200W

Model CMV1200B

Technical specifications

Main Dimensions





Model CMV1600R

Model	Radiant Output W	Fan Output W	Total Output W	Height mm (A)	Width mm (B)	Depth mm (C)	Weight kg	Finish
CMV1200B	600	600	1200	1202	352+54	113+67	16	Black
CMV1600B	1000	600	1600	1502	427+54	113+67	22	Black
CMV1200W	600	600	1200	1202	352+54	113+67	16	White
CMV1600W	1000	600	1600	1502	427+54	113+67	22	White
CMV1200R	600	600	1200	1202	352+54	113+67	16	Mirror
CMV1600R	1000	600	1600	1502	427+54	113+67	22	Mirror

Heat conversion: watts x 3.142 = Btu/hr

Integrated Controls
The electronic (room temperature sensing) thermostat dial controls the two radiant heat sources. Runback timer control provides instant heat from concealed fan at base and the integral elements, overriding the thermostat setting for time period selected. Timed boost setting can be selected in minute intervals up to 120 mins. This boost provides maximum heat output from radiant elements, for rapid room heating and highly effective towel drying.

Multiple Heat Sources
Combination of highly efficient aluminium radiant element and thin surface heating film for rapid warm-up and even heat distribution across glass surface for optimum comfort. Fan boost setting provides instantaneous heat, overriding thermostatic settings for selected time period.

Filter
Washable filter for healthier environment. Access to filter protected by child-lock.

Guarantee
2 years.

IP Rating
Splashproof IPX4 rated for use in wet areas.

Installation
Detachable wall mounting frame.

Electrical Connections
1.2m, 4-core cable (live, neutral, earth, pilot wire).

daytona towel rails

the TDTR range

Sleek. Elegant. With a gentle curve of the rail, the Daytona is destined to become the latest 'must have' design in any contemporary bathroom.

Available in sparkling chrome or cool white and in four sizes, specification comes easy for any size of room.

Model TDTR350C

Energy saving features

- Compatible with the new Dimplex radio frequency controllers and the Dimplex towel rail energy regulars DX4123/DX4124 (dependent on model). See page 53 for details.

Other features

- Even heat distribution.
- Rapid towel drying.
- Compact, slimline design.

Model TDTR175W

technical specifications

Controls
No external controls.

Thermal Cut Out
2x auto re-setting temperature limiter.

Construction
Sealed steel shell.
D shaped upright bars.

IP Rating
Splash-proof IPX4 for bathroom use.

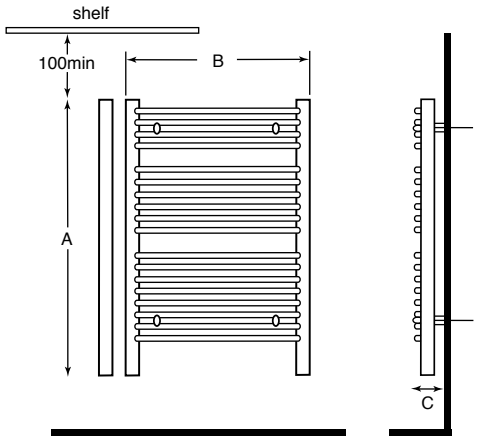
Installation
TDTR175W;TDTR175C
Supplied with 3 wall mounting brackets.
TDTR350W;TDTR350C,
Supplied with 4 wall mounting brackets.

Electrical Connections
1.0m pre-fitted cable.
Cable entry at bottom left rail.
Installations must be in accordance with current IEE wiring regulations.

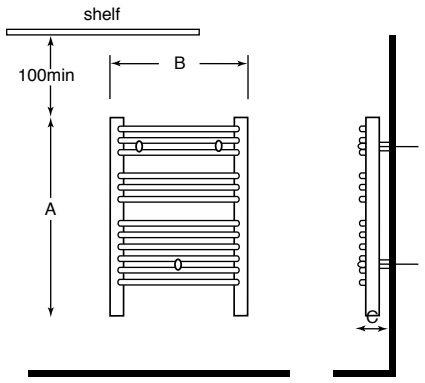
Colour/Finish
White powder coated or chrome plated.

Model No.	No. Rails	Output	Height (A)	Width (B)	Depth (C)	Finish	Weight
TDTR175W	12	175W	610mm	453mm	80 – 100mm	White	6kg
TDTR350W	18	350W	843mm	602mm	95 – 115mm	White	11kg
TDTR175C	12	120W	610mm	453mm	80 – 100mm	Chrome	6kg
TDTR350C	18	250W	843mm	602mm	95 – 115mm	Chrome	11kg

TDTR350 Dimensions



TDTR175 Dimensions

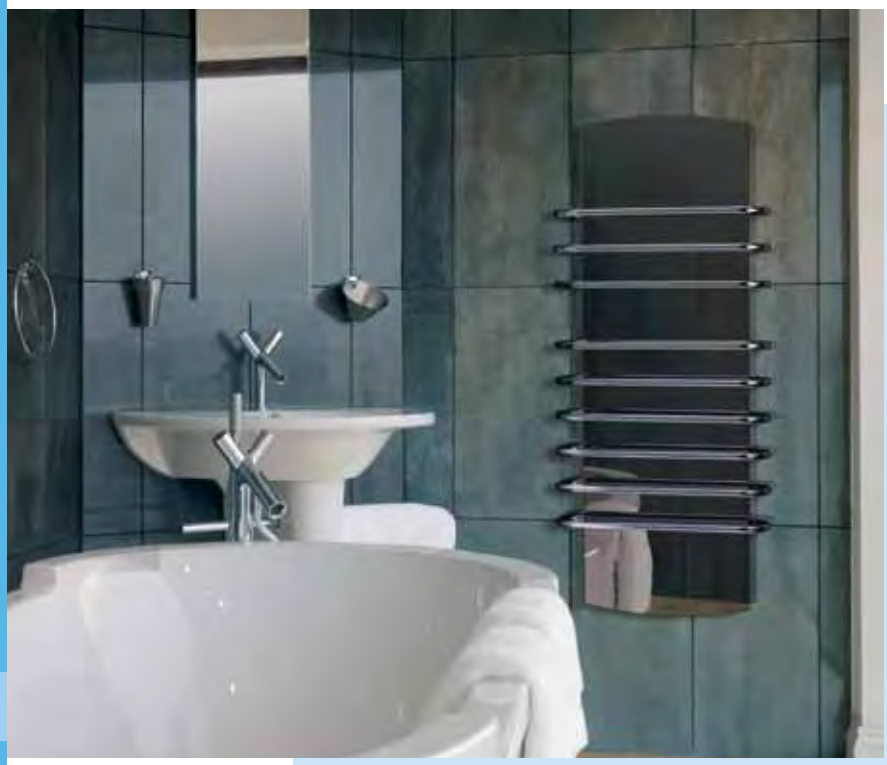


premium designer towel rails

the LT range

Incorporating a striking glass centre panel in either cool white or a dark mirrored finish, the Lattimo range of designer towel rails can add a touch of glamour to any bathroom.

Utilising Dimplex's patented DryTech™ technology, the Lattimo delivers rapid warm-up and outstanding performance to match its designer looks, whilst offering all the benefits of maintenance-free electric towel drying.



Model LT350B

Energy saving feature

- Unique DryTech™ technology.
- Faster warm up than conventional towel rails.
- Provides more effective heat from a lower output, so more energy efficient.
- Compatible with the new Dimplex radio frequency controllers and the Dimplex towel rail energy regulator DX4124. (See page 53 for details)

Other features

- Designer styling, with vertical glass centre panel.
- Ladder design maximises capacity for drying and warming towels of any size.
- Easy to install.
- Entirely liquid free – no leakage, no rusting.
- Splashproof (IPX4) for use in bathrooms and wet areas.
- Available in dark mirrored or white glass.
- 350W output.

Technical specifications

Controls
No external controls.

Finish
LT350W: Chrome horizontal bars with white glass centre panel.
LT350B: Chrome horizontal bars with dark mirrored glass centre panel.

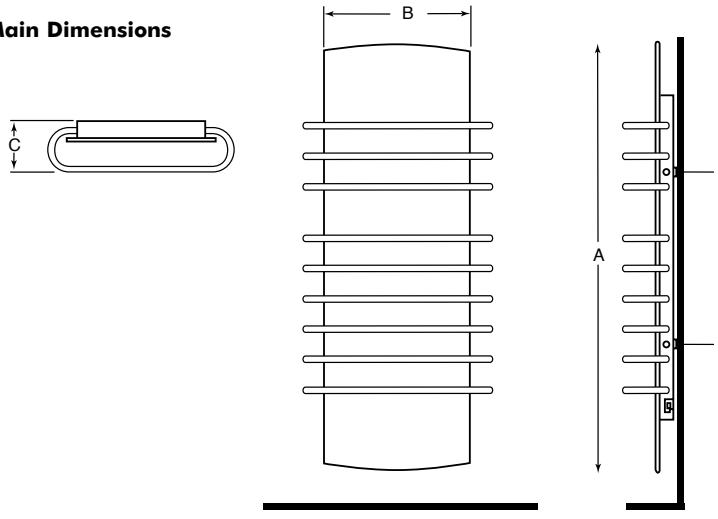
Construction
Tubular rails with glass centre panel. Continuous dry element wound through all rails.

Installation
Concealed mounting bracket secures unit to the wall. Four screw fixing points.

Electrical Connection
1 metre of electrical cable pre-fitted. Installation must be in accordance with IEE wiring regulations.

IP Rating
Splash-proof IPX4 for bathroom use.

Main Dimensions



Model No.	No. Rails	Output	Height (A)	Width (B)	Depth (C)	Weight
LT350W	9	350W	1339mm	600mm	160mm	20.8kg
LT350B	9	350W	1339mm	600mm	160mm	20.8kg

corner mounted towel rail

the DLT200

The innovative DLT200 towel rail brings a new level of flexible installation to the Dimplex range.

Specifically designed to be corner-mounted, the DLT200 is perfect for bathrooms with limited flat wall space, or to simply provide a unique corner feature. Fitted with Dimplex's patented DryTech™ heating technology, the DLT200 also benefits from fast response times and uniform heat distribution, providing an unrivalled level of performance.

Model DLT200

Energy saving feature

- Unique DryTech™ technology.
- Faster warm up than conventional towel rails.
- Provides more effective heat from a lower output, so more energy efficient.
- Compatible with the new Dimplex radio frequency controllers and the Dimplex towel rail energy regulator DX4123. (See page 53 for details)

Other features

- Innovative, compact design for use in corners of rooms.
- Ideal for bathrooms where flat wall space is at a premium.
- Sleek contemporary styling.
- Lightweight for fast, easy installation.
- Attractive chrome finish rungs.
- Splashproof (IPX4) for use in bathrooms and wet areas.
- 200W output.

Technical specifications

Controls
No external controls.

Finish
Chrome rails with pressed steel centre panel.

Construction

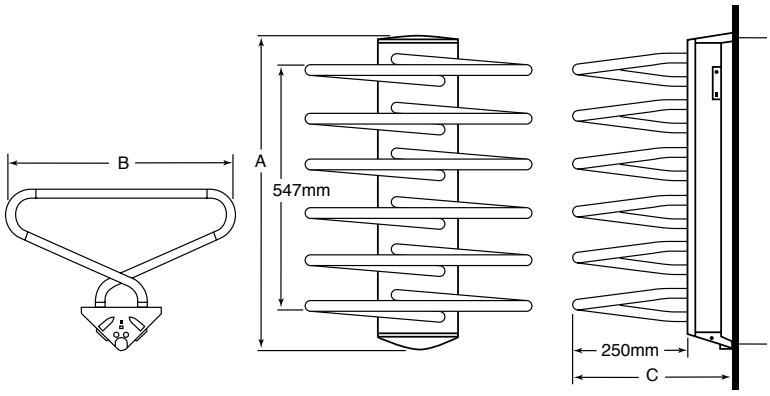
Tubular rails with corner mounting backplate. Continuous dry element wound through all rails.

Installation
Hung on concealed mounting bracket and secured with fixing screws.

Electrical Connection
1 metre of electrical cable pre-fitted. Installation must be in accordance with IEE wiring regulations.

IP Rating
Splash-proof IPX4 for bathroom use.

Main Dimensions



Model No.	No. Rails	Output	Height (A)	Width (B)	Depth (C)	Weight
DLT200	6	200W	667mm	478mm	342mm	7.8kg

ladder towel rails

the DLR ranges

The Dimplex DLR offers practicality and designer style at an affordable price, making it ideal for warming and drying towels in any bathroom.

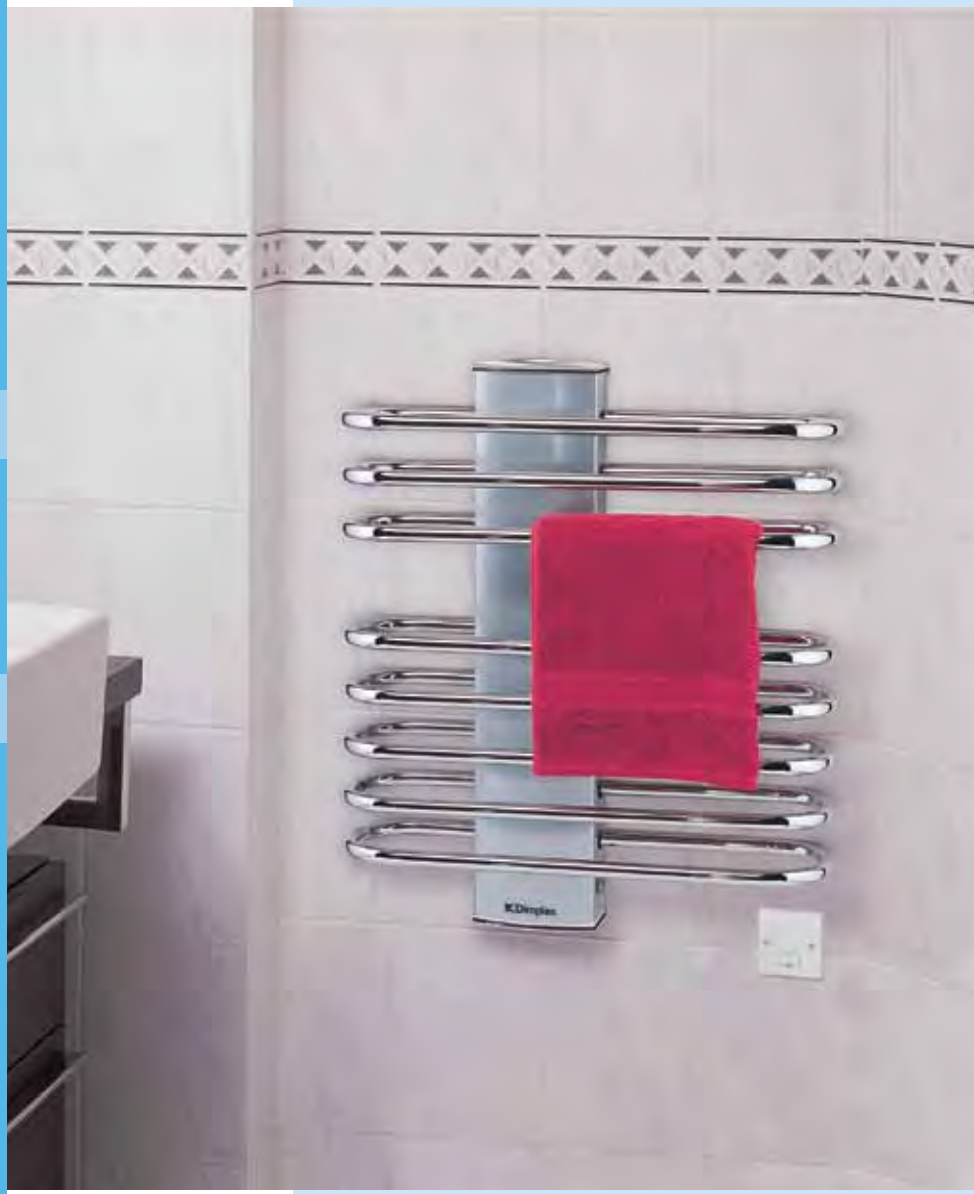
These models provide rapid response warm up and an evenly distributed surface temperature, together with totally maintenance free operation. They are available in a choice of white or chrome finishes, making them suitable for almost any size or style of bathroom.

Energy saving feature

- Compatible with the new Dimplex radio frequency controllers and the Dimplex towel rail energy regulators DX4123/DX4124 (dependent on model) see page 53 for details.

Other features

- Designer styling, with vertical centre panel.
- Ladder design maximises capacity for drying and warming towels of any size.
- On/Off switch.
- Easy to install.
- Splash proof (IPX4) for use in bathrooms and wet areas.
- Available in chrome or white finishes.



Model DLR350C

technical specifications

Controls
On/Off switch mounted on side of vertical centre panel.

Finish
DLR350: White powder coated horizontal bars with powder coated white centre panel.
DLR350C: Chrome horizontal bars with powder coated satin silver centre panel.

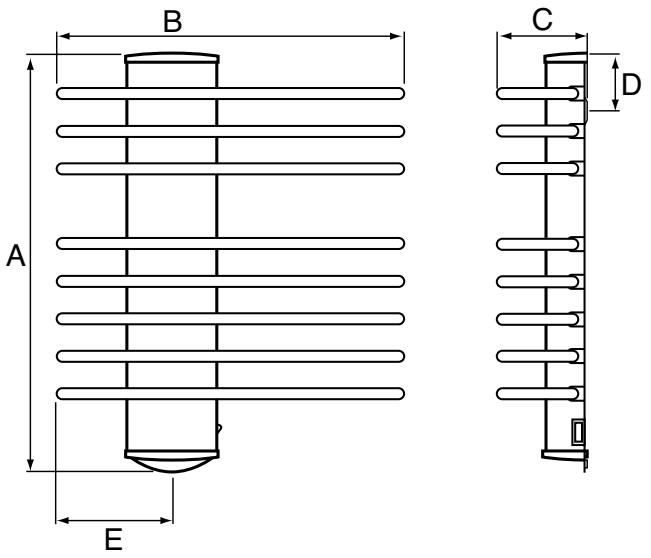
Construction
Tubular rails with pressed steel centre panel.

Installation
Concealed mounted bracket secures top of centre panel to wall. Additional fixing point at bottom centre of panel.

Electrical Connection
1 metre of electrical cable pre-fitted. Installation must be in accordance with IEE writing regulations.

IP Rating
Splash-proof IPX4 for bathroom use.

DLR Range



Model No.	No. Rails	Loading	Height(A)	Width(B)	Depth(C)	D	E	F	Finish	Weight
DLR350	8	350W	725mm	600mm	156mm	100mm	200mm	–	White	8.1kg
DLR350C	8	350W	725mm	600mm	156mm	100mm	200mm	–	Chrome	8.1kg

ladder towel radiator

the BR range

The Dimplex BR range creates a new generation of stylish multi purpose bathroom radiators.

Higher output models provide an ideal combination of room heating with efficient drying of towels and other fabrics. These versatile heaters are supplied ready for electric use, but may also be connected to a water central heating system with the electric element available for use when the boiler is off.

Energy saving feature

- Compatible with the new Dimplex radio frequency controllers and the Dimplex towel rail energy regulators DX4123/DX4124 (dependent on model). See page 53 for details.

Other features

- Ladder design maximises capacity for hanging damp towels and clothes.
- Slim vertical design to maximise use of wall space even in confined areas.
- No external controls.
- Built-in over temperature cut-out.
- Sealed, liquid filled design for maintenance free use.
- Provided with inlet/outlet plumbing connections – no expensive adaptors needed.
- Choice of models in white or chrome finish.
- IPX4 rated for bathroom use.

Model BR350C

Model BR400W

technical specifications

Controls
No external controls. Built-in temperature limiter and overheat protection. Suitable for connection to external thermostats or timers, in accordance with IEE regulations.

Finish
White powder coated or chrome plated.

Construction
Sealed, liquid filled steel shell. Water based fluid with glycol frost/corrosion inhibitor. Vertical mounted immersion element.

IP Rating
Splash-proof IPX4 for bathroom use.

Installation
Supplied with wall mounting points and brackets.

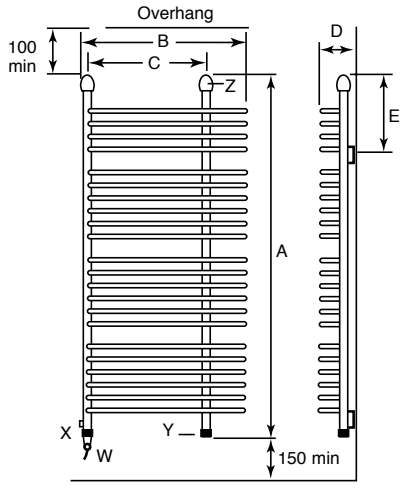
Electrical Connection
1 metre of electrical cable pre-fitted. Cable entry at base of left header tube. Installations must be in accordance with current IEE wiring regulations.

Installation to Radiator Circuit
Installation must be in accordance with manufacturer's instructions. Liquid is drained by removing bungs to inlet/outlet connections (1/2" BSP fittings). Connect to radiator circuit (electric element remains in situ). Radiator refilled from radiator circuit and bled using valve concealed below top right header cap. Electrical connection as electric only installation.

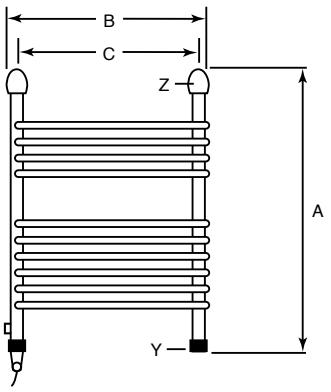
Operation when part of Radiator Circuit
When the central heating system is in use the appliance will act as a normal radiator. Out of season or when the boiler is not in use the radiator may be operated independently by switching on the electric element. In use expansion of water must be guaranteed through return connection. Return connection should be left open to ensure this.

Water inlet connection

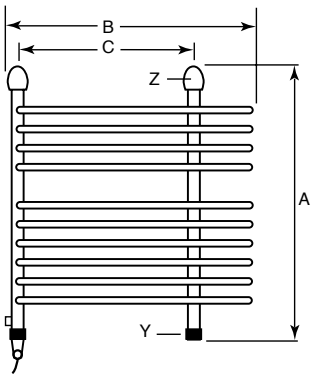
Main and Fixing Dimensions



Clearances and fixing centres (all models)



BR150W BR150C BR350C



BR400W

Note: Please refer to tables below for no. of rails.
W = electrical element cable termination X = water inlet (flow) connection
Y = water outlet (return) connection Z = bleed valve

Model No.	BR150W	BR150C	BR350C	BR400W
No. of Rails	10	10	16	16
Output (Electric)*	150W	150W	350	400W
Approx Output (Water)*	320W	320W	750W	840W
Height (A)	665mm	665mm	1003mm	1003mm
Width (B)	430mm	430mm	630mm	630mm
C	385mm	385mm	603mm	447mm
Depth (D)	155mm	155mm	155mm	155mm
E	268mm	268mm	268mm	268mm
Finish	White	Chrome	Chrome	White
Weight	6.5kg	6.5kg	13kg	15kg

*For BTU output multiply by 3.412

electric towel rails

the TR and S ranges

What a difference warm, dry towels make! With a Dimplex towel rail you can have them all the time but at amazingly low running costs.

The popular S range is ideal for drying and airing small towels in areas such as kitchens, cloakrooms and ensuites.

The low wattage spiral element provides an even surface temperature and very economical operation.

TR range towel rails are permanently liquid filled for maintenance free operation. They can be mounted for left or right hand cable entry.

No plumbing. No problems. And they can be left switched on indefinitely.

Model TRC120W

TR & S energy saving feature

- The TR and S ranges can be used with the new Dimplex radio frequency controllers and the Dimplex energy regulator DX4123 (see page 53 for full details).

TR Range other features

- A range of five models.
- Choice of sizes and finishes.
- Oil filled.
- Larger models will help to take the chill off a small bathroom or cloakroom.
- Mains neon indicator.
- Splash-proof (IPX4 rated) for use in bathrooms and other wet areas.
- Supplied with wall mounting brackets as standard.

Model S50C

S Range other features

- Oil filled tubular steel towel rail.
- Durable white stove enamel (S50W, S70) or chrome plated (S50C).
- S50W provides lower surface temperature.
- Suitable for wall mounting only.
- Splash-proof (IPX4 rated) for use in bathrooms and other wet areas.

technical specifications

Model TRC130W

Construction
Tubular steel.
S range – oil filled
TR range – oil filled

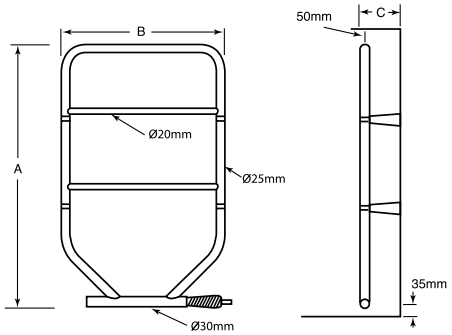
Cable Entry
1 All models – left or right hand.
2 S range only – top or bottom.

Colour/Finish
White stove enamel or chrome plated. As a plated finish radiates less heat away from its surface, the plated models have a lower loading compared with the equivalent physical size stove enamel model, so that both have a similar surface temperature.

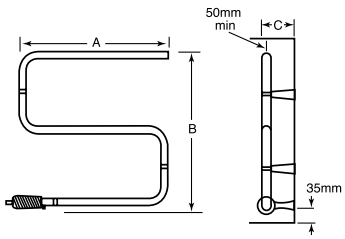
IP Rating
Splash-proof IPX4 for bathroom use.

Electrical Connections
Supply cable is provided for connection to the fixed wiring of the premises via a suitable double pole isolating switch. Installation must be carried out strictly in accordance with the current edition of the IEE wiring regulations.
If the towel rail is fitted in a bathroom essentially these regulations preclude the use of a plug and socket and any control switch must be normally inaccessible to a person using a fixed bath or shower.
The pull cord of a cord-operated switch is not affected by this regulation.

TR Range



S Range



Model No.	Loading	Height(A)	Width(B)	Depth(C)	Finish
TRC90/W	60W	616mm	533mm	93mm	Chrome
TRS120/W	120W	616mm	533mm	93mm	White
TRC130/W	90W	851mm	533mm	93mm	Chrome
TRC150/W	120W	851mm	787mm	93mm	Chrome
TRS175/W	175W	851mm	533mm	93mm	White
S50C	45W	555mm	568mm	93mm	Chrome
S50W	45W	555mm	568mm	93mm	White
S70	70W	555mm	568mm	93mm	White

radiant panel bathroom heater

the Apollo

The unique Apollo radiant panel bathroom heater provides the ultimate in bathroom heating.

Combining the benefits of high comfort radiant panel heating with the added convenience of fixed rails for drying and airing towels, Apollo is the ideal solution where towel drying and full room heating are required from a single appliance.

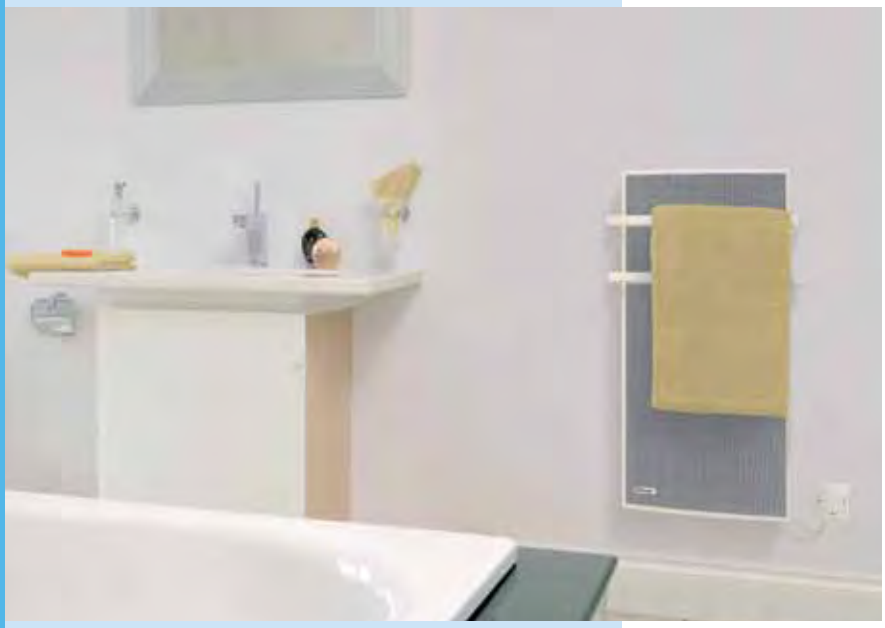
Incorporating highly accurate electronic thermostatic control, Apollo can be used stand alone or as part of an integrated whole-house system controlled by Dimplex pilot wire or mains borne signalling multi-heater programmers.

Energy saving features

- Fitted with an electronic thermostat, accurate to within 0.1°C to maintain a stable room temperature.
- User selectable comfort, background and frost protection settings.
- Compatible with Dimplex single or 4 zone multi-heater programmers.

Other features

- Compact, stylish casing with distinctive curved grille.
- Two fixed towel hangers (not heated).
- Highly comfortable radiant heat output, reducing heat stratification.
- Splash proof (IPX4 rated) for use in bathrooms and wet areas.
- Controls cover which can be locked if necessary.



Model APL100

Controls

Please refer to RPX controls on page 23 for full details.

Other specifications

Elements
Two mineral filled sheathed electric elements are embedded in aluminium heating plates. Low element operating temperature of around 200°C reduces air drying effects and dust burning. The heating plates have a unique design – the forward face is finished in matt black and has greater surface area to maximise radiant heat. The reverse side is in its natural smooth aluminium state to minimise heat loss to the wall.

IP Rating
Splash-proof IPX4 for use in wet areas.

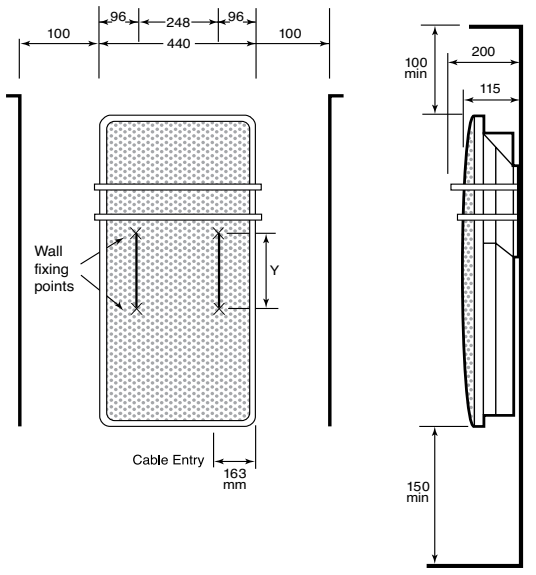
Construction
Durable polyester powder coated steel with mesh steel front grille.

Installation
A detachable wall-mounting frame allows quick wall fixing.

Electrical Connections
2m 4-core cable (live, neutral, earth and pilot wire) supplied fitted to each heater.

Colour/Finish
White.

Main and Fixing Dimensions



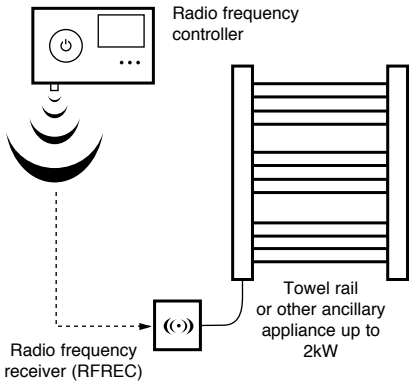
Model No.	Loading	Height	Width	Y	Weight
APL100	1.0kW	830mm	440mm	468mm	7.2kg

towel rail controls

This range of controls provides energy saving control for Dimplex towel rails. A range of options is available to meet the needs of different applications and budgets.

Radio Frequency Control

Dimplex RF controllers and receivers provide energy saving control over your heaters, to deliver the greatest possible levels of energy efficiency, versatility and ease of use. By utilising radio waves to transmit their signal, radio frequency controls remove the need to wire controls to their receivers – meaning quick, easy and trouble-free installation. Ideal for new build and refurbishment and perfect for controlling towel rails or other ancillary appliances up to 2kW, which otherwise have no means of thermostatic control.



Towel rail energy regulators

Designed to enable towel rail surface temperatures to be regulated for applications where a lower surface temperature is required. Ideal for reducing the towel rail output in summer, to dry towels but without significantly increasing room temperature, they can also ensure a low temperature is selected where very young children or the old and infirm are likely to come into regular contact with the towel rail. They also have the ability to significantly decrease running costs, if the intention is to use the towel rail continuously.

All radio frequency controllers feature:

- Wall mounted controller unit that comes complete with RF receiver which must be wired to the relevant appliance.
- IPX4 rated (splash-proof) for use in wet areas.
- Ideal for providing extra control to towel rails.
- Multiple receivers can be controlled by a single controller.
- Additional receivers sold separately (RFREC).

RFBT features

- Radio frequency wall-mounted rotary controller.
- Offers RF thermostatic control.
- 30 minute boost button.
- Fits single gang wiring accessory back box.


RFBT control

RF24T and RF07T features

- Radio frequency wall-mounted LCD programmer.
- RF24T offers 24 hour programming, with 4 programmable time periods, switching heater between On/Off modes.
- RF07T offers 7 day programming, with 4 programmable time periods for weekdays and weekends, switching heater between On/Off modes.
- **Both controllers feature:**
  - Back lit LCD screen with power save mode.
  - 30 minute boost button.
  - Thermostatic control.
  - Fits into single gang recessed wiring accessory back box.


RF24T/RF07T control

RFREC features

- Additional receiver for use with RF controllers/ programmers (RFBT, RF24T, RF07T).
- Allows an additional ancillary heater up to 2kW loading to be controlled simultaneously by RF controller/ programmer.


RFREC receiver

DX4123 features

- Maximum load of 250W.
- Controlled using rotary knob with 300° rotation.
- Potentiometer based controller, restricting current to heater between 0 and 100%.
- Finished in white.
- Suitable for all TR & S range, BR150C, BR150W, TDTR175W, TDTR175C.
- Lowering the control will reduce the surface temperature and running cost of the towel rail.

DX4124 features

- Maximum load of 850W.
- Controlled using rotary knob with 330° rotation.
- Highly accurate electronic controller, restricting power to heater between 0 and 100% over a 10 second cycle. Extremely low heat and noise dissipation.
- Finished in white.
- Suitable for use with all Dimplex towel rails.
- Lowering the control will reduce the surface temperature and running cost of the towel rail.


DX4124 control

wall mounted fan heaters

the FX range

With their compact design, FX downflow fan heaters are the popular choice for heating bathrooms and ensuites as well as kitchens.

The powerful 2kW output ensures a fast warm-up, although 1kW output is selectable on installation for smaller rooms.

All models have visual on/off indicator, full safety protection and are simple to install.

FX20V features

- 2kW maximum output.
- Pull cord operation.
- Neon indicator.

FX20V Energy saving features

- Energy saving thermostat switches output down to 1kW once the room is warm (functions on 2kW setting only).
- 1kW output selectable on installation.

FX20VE features

- Time period adjustable between 5 and 155 minutes on installation.
- Heater can be manually switched off before time period expires.
- 2kW maximum output.
- Pull cord operation.
- Neon indicator.

FX20VE Energy saving features

- Energy saving electronic timer automatically switches heater off after a preset time period to prevent it being left on accidentally.
- 1kW output selectable on installation.

FX20VL features

- Designed for low level mounting.
- No pull cord.
- 2kW maximum output.
- Neon indicator.

FX20VL Energy saving features

- Adjustable thermostat control.
- 1kW output selectable on installation.

Model FX20VL

Model FX20V

Safety Protection
Manually resettable thermal overload cut out and thermal fuselink provide double protection against overheating for any reason.

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

Colour
White.

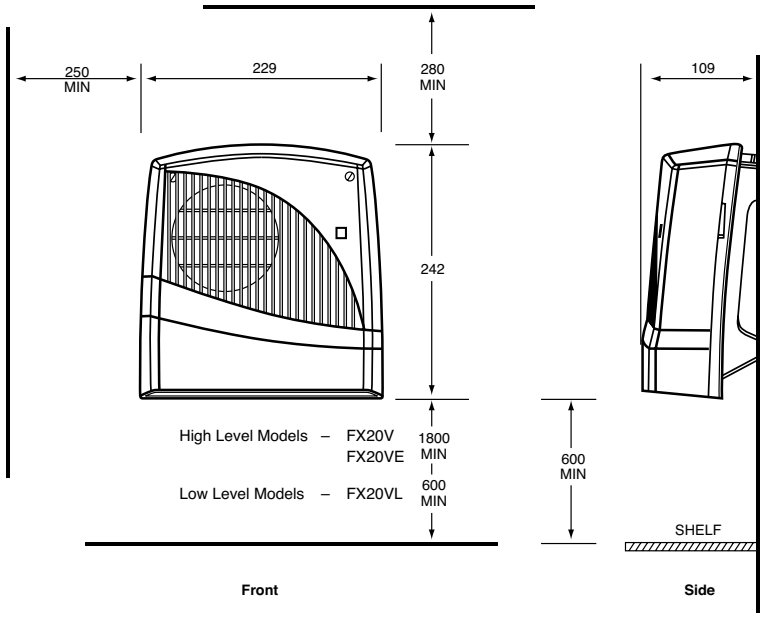
Installation
Two upper keyhole slots are provided together with a third fixing hole to secure the heater to the wall. The heaters are supplied without cable.

IP Rating
All models: IPX2.
Product should be mounted at a minimum height of 600mm if installed in zone 3 of a location containing a bath or shower (BS7671: 2001 section 601).

Electrical
All installation must be in accordance with current IEE wiring regulations.

Model	Loading	Height	Width	Depth	Weight
FX20V	2.0kW	242mm	229mm	109mm	1.1kg
FX20VE	2.0kW	242mm	229mm	109mm	1.1kg
FX20VL	2.0kW	242mm	229mm	109mm	1.1kg

Main Dimensions



downflow fan heaters

the FXIPX4 range

The FX20IPX4 and FX20EIPX4 with an innovative patented* design and latest technology to provide an IPX4 rated fan heater for unrivalled versatility when it comes to installation. This unique feature allows greater installation flexibility in bathroom locations.

Combined with a sleek, modern look, the IPX4 rated FX downflow heaters provide an ideal heating solution for almost any bathroom, ensuite or kitchen.

* Patent pending at time of print

FX20IPX4 features

- 2kW maximum output.
- Pull cord operation.
- Neon indicator.
- IPX4 rated.
- Identical footprint to current FX20 models, meaning that retro-fitting an IPX4 model is incredibly simple.

FX20IPX4 Energy saving features

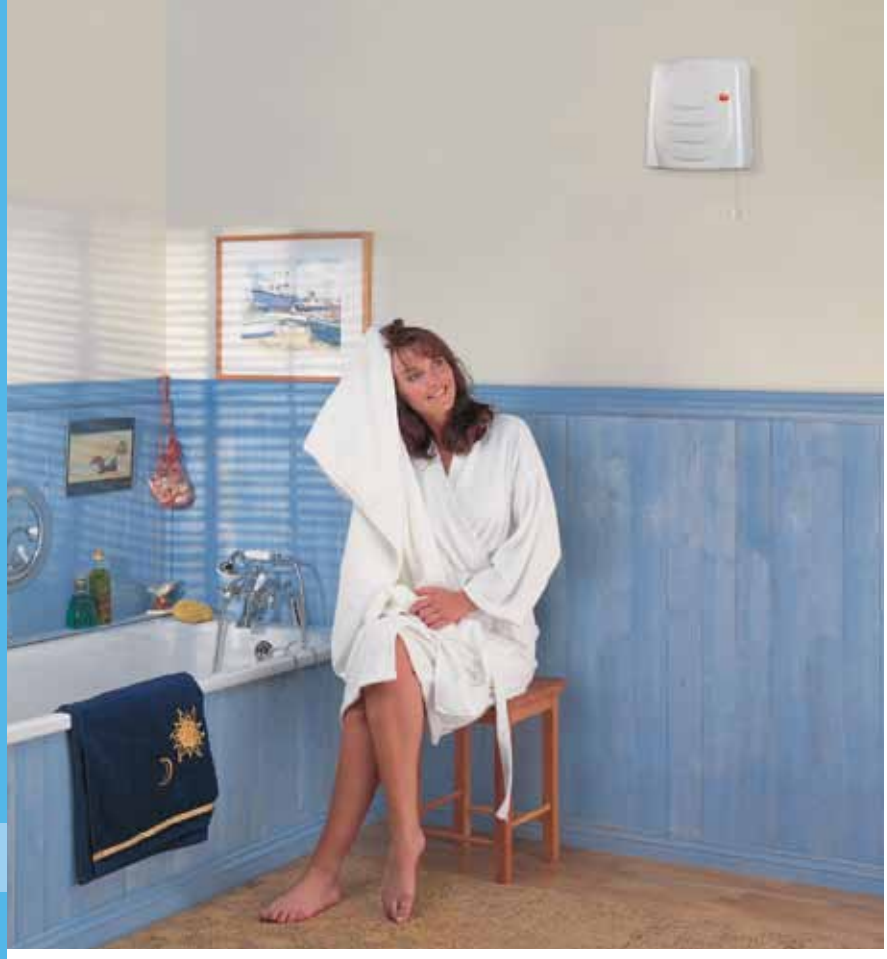
- Energy saving thermostat switches output down to 1kW once the room is warm (functions on 2kW setting only).
- 1kW output selectable on installation.

FX20EIPX4 features

- Time period adjustable between 5 and 155 minutes on installation.
- Heater can be manually switched off before time period expires.
- 2kW maximum output.
- Pull cord operation.
- Neon indicator.
- IPX4 rated.
- Identical footprint to current FX20 models, meaning that retro-fitting an IPX4 model is incredibly simple.

FX20EIPX4 Energy saving features

- Energy saving electronic timer automatically switches heater off after a preset time period to prevent it being left on accidentally.
- 1kW output selectable on installation.



Model FX20IPX4

Technical specifications

Safety Protection
Manually resettable thermal overload cut out and thermal fuselink provide double protection against overheating for any reason.

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

Colour
White.

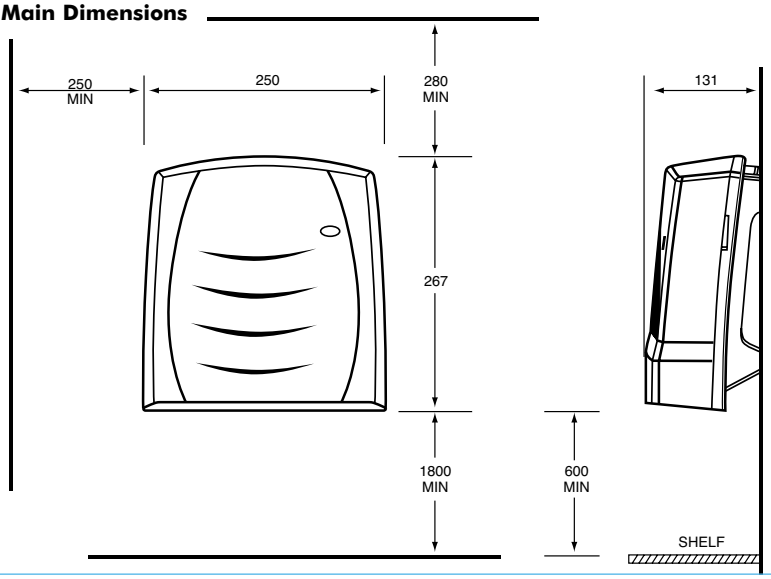
Installation
Two keyhole slots are provided together with a third fixing hole to secure the heater to the wall. The heaters are supplied without a cable.

IP Rating
Splashproof IPX4 for bathroom use.

Electrical
All installation must be in accordance with current IEE wiring regulations.

Model	Loading	Height (A)	Width (B)	Depth (C)	Weight
FX20IPX4	2.0kW	267mm	250mm	131mm	1.4kg
FX20EIPX4	2.0kW	267mm	250mm	131mm	1.4kg

Main Dimensions



base unit heaters

the BFH range

The BFH range has been designed to fit neatly and unobtrusively into fitted furniture, display units, fascias or false walls.

These heaters are ideal for incorporating into plinths of kitchen or bedroom base units or shop display units.

Model BFH24BWSR with stainless steel fascia

Energy saving features

- Variable thermostat for selection of room temperature.
- Maximum output of 2.4kW with switching for 800W and 1600W outputs.

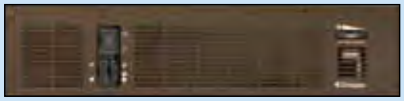
Model BFH24BWST with white fascia

Other features

- Model BFH24BWST has integral controls for ease of installation.
- Model BFH24BWSR is supplied with a remote switch panel, for positioning convenient to user.
- Neon indicator glows when the unit is switched on.
- Fan only option for cool air circulation.
- All units are supplied with a choice of brown, white or stainless steel fascias to suit any plinth unit.

Colour Options

Stainless steel fascia (model shown BFH24BWST)



Brown fascia (model shown BFH24BWST)

White fascia (model shown BFH24BWST)

Note: Above grille close ups are for colour reference only. For actual grille please refer to main photography of BFH24BWST and BFH24BWSR.

technical specifications

Controls

1 All Models:
Thermostat control knob on front of heater with a temperature range of approximately 5°C to 30°C. Lowest setting provides frost protection level.

2 Remote Control Model BFH24BWSR:
Switch Panel – 13 amp fuse, double pole isolating switch, two single pole ON/OFF switches controlling elements.

3 Integral Control Model BFH24BWST:
Built-in switches on heater fascia on/off, fan only. 3 heat settings. Neon indicator.

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

Thermostat – All Models
Bi-metal type, air temperature sensing.

Electrical Connections

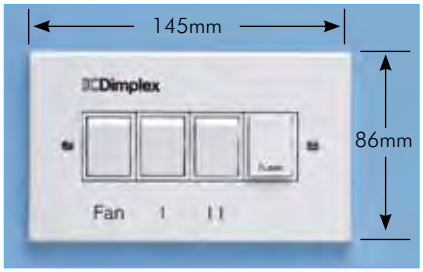
1 Remote Control Model:
2.5 metre 6-core colour coded cable is supplied for connecting the heater to the switch panel. The installer must supply suitable conduit or trunking if required and a surface or flush mounting box for the switch panel. A list of suitable standard boxes is supplied with the heater.

2 Integral Control Model:
Supplied with 2m 3-core cable.

Thermal Safety Device
Interrupt supply to reset type.

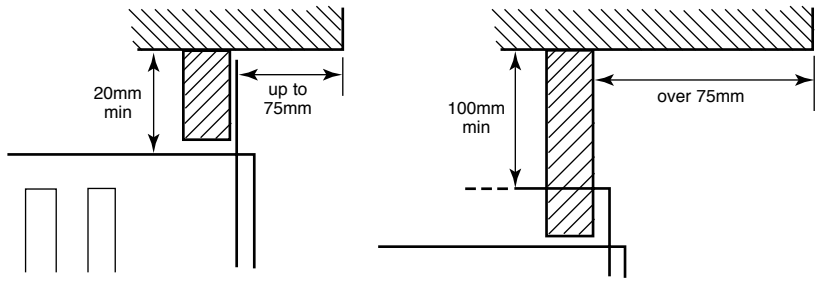
Colour
All units supplied with a choice of white, dark brown and stainless steel fascias.

Switch Panel Remote Control Models



Installation
Minimum back box depth of 40mm is required behind fascia plate.

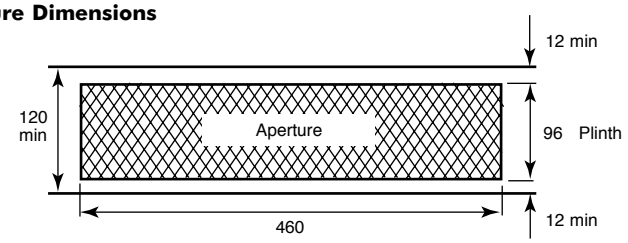
All Models



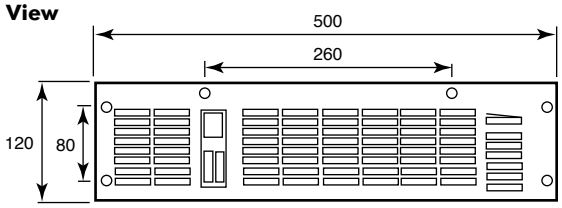
If the overhang above the heater is greater than 75mm, then a distance of at least 100mm must be maintained between the overhang and the uppermost part of the heater.

Installation/Dimensions (mm)

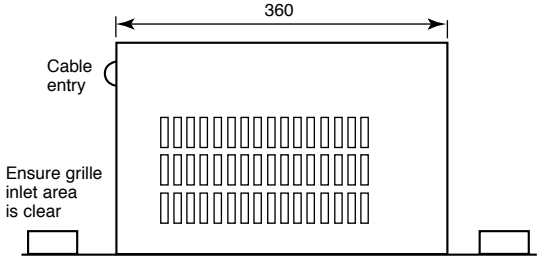
Aperture Dimensions



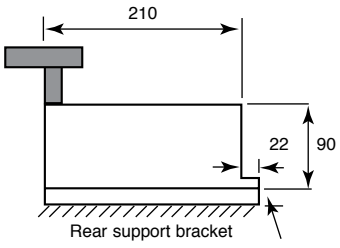
Front View



Plan



Side View



Note:
If fitted in corner with adjacent cupboards to right hand side of heater then a distance of at least 150mm must be maintained between the right hand end of the heater and the front of the adjacent cupboard door as shown.

hydronic base unit heaters

the BUH range

The hydronic BUH range is designed specifically for use on 'wet' heating systems. Small and compact, the BUH fits discreetly into the base of kitchen units, reception desks, shop counters and even stair risers.

The BUH will heat a room much faster than a traditional radiator many times its size, but will not occupy valuable wall space.

Model BUH19B/W/S with stainless steel fascia

Energy saving features

- Automatic low temperature cut out thermostat.
- Choice of low and boost settings.

Other features

- Maximum output of 2.0kW (6824 Btu/h).
- Fan only option for cool air circulation (boost or normal speed).
- Supplied with a choice of brown, white or stainless steel fascia to suit any plinth unit.

Colour Options

Stainless steel fascia (model shown BFHBWST)

Brown fascia (model shown BFH24BWST)

White fascia (model shown BFH24BWST)

Note: Above grille close ups are for colour reference only. For actual grille please refer to main photography of BUH19B/W/S.

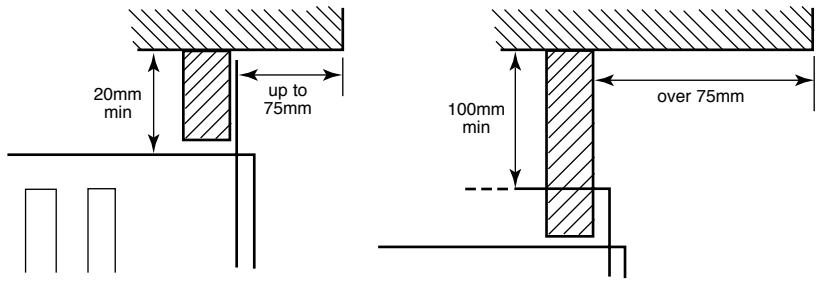
technical specifications

Controls
Built-in single pole winter/summer switch and two position boost/low switch. Low temperature cut-out thermostat set at 38°C. Facility for fan only operation.

Connections
Pre-wired with 2m 3-core electrical cable. Supplied with flexible hoses and isolating valves to connect the unit's copper pipes to the flow and return pipes of the central heating system.

Finish
Supplied complete with a choice of stainless steel, powder coated brown or white finishes.

All Models

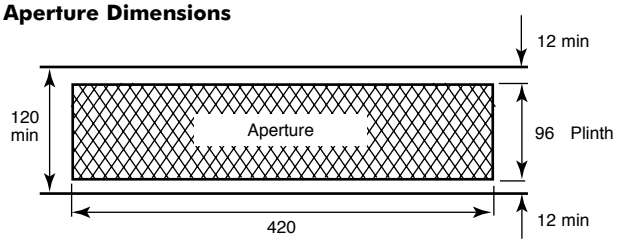


If the overhang above the heater is greater than 75mm, then a distance of at least 100mm must be maintained between the overhang and the uppermost part of the heater.

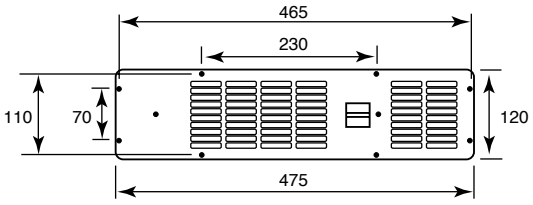
Model	Fan Speed				Power	Water
	Normal		Boost		Consumption	Capacity
	(Btu/h)	Watts	(Btu/h)	Watts	Watts	Litres
BUH19B/W/S	4372	1280	6830	2000	31	0.2

Installation/Dimensions (mm)

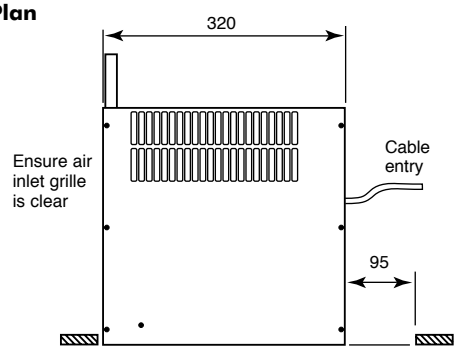
Aperture Dimensions



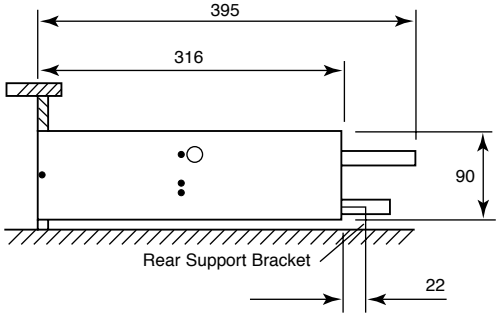
Front View



Plan



Side View



under-tile heating

the DTW range

Add a touch of luxury to your home by fitting Dimplex under-tile heating – perfect for taking the chill off cold tiled floors.

Ideal for kitchens, bathrooms, en-suites or conservatories, under-tile heating provides radiant heat across the entire floor area, providing a feeling of warmth and comfort throughout the room.

Being concealed under the floor surface, under-tile heating also provides complete design freedom to plan rooms and arrange furniture with maximum flexibility. Available in a choice of seven easy to install packs with a separate thermostatic programmer, Dimplex under-tile heating is suitable for installation on top of wooden and concrete sub-floor structures.

Energy saving feature

- Feature packed controller offering 7 day programming over comfort and background temperature settings to suit every life style.

Other features

- Mat system for quick and easy installation.
- 3mm cable depth for minimum floor intrusion.
- Multiple mats can be connected as a system.
- Low running costs.
- Maintenance free.
- Ideal for both new build and refurbishment applications.
- Suitable for all ceramic and natural stone floors.
- Suitable for installation on either concrete or wooden sub floors.
- 10 year guarantee on mats.

technical specifications

Construction
- Twin Core 160W/m² cable.
- Fully screened for use in bathrooms or other wet areas.
- Two layers of insulation for maximum cable life.
- Easy to cut mesh backing that can be removed for small and awkward areas.

Electrical
- All installations should be carried out by a qualified electrician in accordance with the current wiring regulations.
- All installations require an RCD (residual current device) for safe operation.
- The Dimplex thermostatic controller has maximum load of 15A.
- Connecting more than two mats to a controller requires the use of a standard electrical junction box.
- The Dimplex thermostatic controller comes complete with a floor sensing probe.

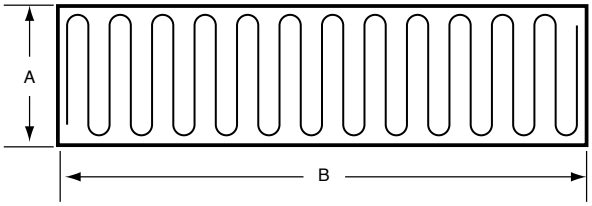
Installation Guidelines
The Dimplex under-tile heater can be fitted to:
- Timber suspended floors.
- Concrete solid floors.
- Dimplex strongly recommends the use of 10mm insulating tile backer board to maximise system performance.

Design Freedom
By being concealed under the tiled floor, under-tile heating frees you to plan rooms and arrange furniture as you want, allowing a great deal of flexibility.

Flexible Control
Because Dimplex under-tile heating is controlled independently of the main heating system, it offers maximum flexibility. Separate settings can be programmed whether you are in, out or even on holiday, and the early start function always ensures the floor has reached your chosen temperature when you want it.

Safety and Practicality
A warm tiled floor helps spills to dry quickly, avoiding slip-ups in bathrooms and kitchens, promoting a safer environment for all the family.

Mat Dimensions

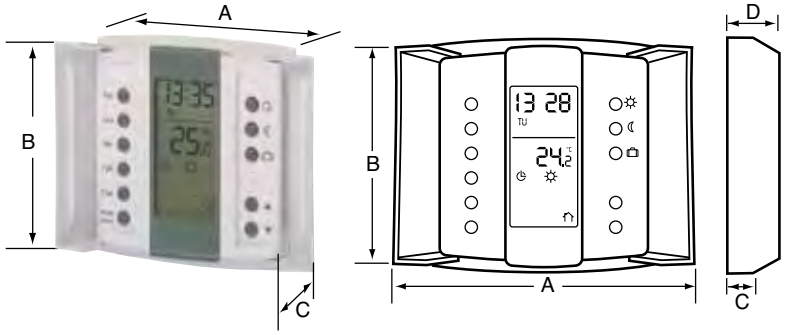


Mat Dimensions and Loadings

Model No.	Output at 230V	Area	Element Depth	Width A	Length B
DTW1M	160W	1.0m²	3mm	500mm	2000mm
DTW1.5M	240W	1.5m²	3mm	500mm	3000mm
DTW2M	320W	2.0m²	3mm	500mm	4000mm
DTW3M	480W	3.0m²	3mm	500mm	6000mm
DTW4M	640W	4.0m²	3mm	500mm	8000mm
DTW5M	800W	5.0m²	3mm	500mm	10000mm
DTW6M	960W	6.0m²	3mm	500mm	12000mm

Note: Each Mat comes with adhesive roll and instruction for installation.

Controller Dimensions



Controller Dimensions and Loadings

Model No.	Electrical Rating	Accuracy	Width A	Height B	Depth C	Total Depth D
DTW16S	15A	0.5°C	79mm	83mm	22mm	44mm

Note: Always use a standard electrical junction box when connecting more than two mats.

Sizing Guide

		Floor Length 1m	1.5m	2m	3m	4m	5m
Floor Width	1m	1 x DTW1M	1 x DTW1.5M	1 x DTW2M	1 x DTW3M	1 x DTW4M	1 x DTW5M
	1.5m	1 x DTW1.5M	1 x DTW2M	1 x DTW3M	1 x DTW4M	1 x DTW6M	1 x DTW6M+1 x DTW1.5M
	2m	1 x DTW2M	1 x DTW3M	1 x DTW4M	1 x DTW6M	2 x DTW4M	2 x DTW5M
	3m	1 x DTW3M	1 x DTW4M	1 x DTW6M	3 x DTW3M	2 x DTW6M	3 x DTW5M
	4m	1 x DTW4M	1 x DTW6M	2 x DTW4M	2 x DTW6M	4 x DTW4M	4 x DTW5M
	5m	1 x DTW5M	1 x DTW6M + 1 x DTW1.5M	2 x DTW5M	3 x DTW5M	4 x DTW5M	5 x DTW5M

Note: Always choose heater packs that are slightly smaller than your requirement as only the mesh can be cut. (Not the wire!) This chart is for illustrative purposes only. Do not place under-tile heating under permanent fixtures (e.g. baths, kitchen cupboards)

low level convector heaters

the LATITUDE® range

This stylish range of low level convector heaters has been designed to integrate seemlessly into any surrounding. With its unique '8' shape design the Latitude convector series is available in a cool cream finish and range of outputs and is a proud addition to any room.

Energy saving features

- Thermostatically controlled.

Other features

- 750W and 1.5kW outputs.
- Freestanding.
- Low level.
- Unique '8' shaped design.
- Choice of heat settings (DXLAT150c only).
- Mains neon indicator.
- 3 year guarantee.

Model DXLAT150c

Technical specifications

Controls
All models are provided with variable thermostatic control.

Colour
Cream

Model	Loading	Height	Width	Depth	Weight
DXLAT75c*	750W	248mm	846mm	120mm	3.0kg
DXLAT150c*	1.5kW	305mm	860mm	165mm	4.5kg

* Whilst stocks last.

portable fan heaters

For fast heat-up over a localised area, these Dimplex fan heaters suit all needs.

Energy saving features

- Thermostatic control.
- Digital temperature control.

Other features

- Range of models with outputs from 2kW-3kW.
- Choice of heat settings and thermostatic control.
- Cool blow option for summer use.
- Choice of upright and flat styles.
- Unique fun design.*
- All models have a 3 year guarantee.
- LCD display with digital thermostat.*
- Unique LED ring-lit technology.*

*Model specific

Model DXFF30TSN

Model Daisy DXDAi2

Model DXDFB2

Model DXGLO2

Model DXUF30T

Technical specifications

Model No.	DXFF20TSN	DXFF30TSN	DXUF20T	DXUF30T	Daisy DXDAi2	Footie DXDFB2	GloFan DXGLO2
Type	Flat	Flat	Upright	Upright	Flat	Flat	Upright
Loading	2kW	3kW	2kW	3kW	2kW	2kW	2kW
Thermostat	✓	✓	✓	✓	✓	✓	✓
Choice of Heat Settings	✓	✓	✓	✓	✓	✓	✓
Mains Neon	✓	✓	✓	✓	✓	✓	✓ LCD
Cool Blow	✓	✓	✓	✓	✓	✓	✓
Dimensions Height	114mm	114mm	238mm	238mm	114mm	114mm	278mm
Width	253mm	253mm	247mm	247mm	253mm	253mm	230mm
Depth	245mm	245mm	184mm	184mm	245mm	245mm	158mm
Weight	1.2kg	1.2kg	1.4kg	1.4kg	1.2kg	1.2kg	1.5kg
Colour	White	White	Light grey	Light grey	Pink	White	Black

Controls
All models are provided with variable thermostatic control and a choice of heat settings.

Safety Protection
Manual re-set cutout and safety fused link.

portable convectors

the contrast range

This new Dimplex range of portable convectors is designed to complement any surrounding. With a wide choice of models, they are ideal for use in any room (except bathrooms) where there is no heating or heat is required unexpectedly. Ideal for domestic or commercial use.

Model DXC30FTi

Model DXC20

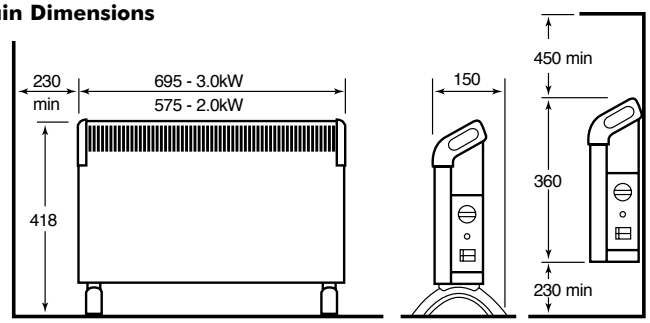
Energy saving features

- Thermostatic control.
- 24 hour timer models available.

Other features

- Range of models with outputs from 2kW – 3kW.
- Unique forward facing grille designed for enhanced heat throw.
- Choice of heat settings.
- Freestanding or wall mountable.
- DXC30FTi also features turbo boost for an extra heat boost.
- Supplied with feet, wall brackets, cable and fitted plug.
- Full safety protection.
- 3 year guarantee.

Main Dimensions



Technical specifications

Model No.	DXC20	DXC20Ti	DXC30	DX30Ti	DXC30FTi
Loading	2kW	2kW	3kW	3kW	3kW
Thermostat	✓	✓	✓	✓	✓
Heat Selection	✓	✓	✓	✓	✓
Timer	✗	✓	✗	✓	✓
Turbo	✗	✗	✗	✗	✓
Width wall mounted (A)	575	575	695	695	695
Height without feet (B)	350	350	350	350	350
Height with feet (C)	418	418	418	418	418
Depth without feet (D)	104	104	104	104	116
Depth when on feet (E)	196	196	196	196	196
Width between wall mounting brackets	358	358	478	478	478
Weight (kg)	3.4	3.4	4.5	4.5	4.5
Freestanding (F) or Wall mounted (W)	F/W	F/W	F/W	F/W	F/W

Controls
All models are provided with variable thermostatic control.

24-hour Programmable Timer
Models DXC20Ti, DXC30Ti & DXC30FTi incorporate a 24-hour timer. This enables daily heating needs to be programmed in advance. A manual override enables the heater to provide instant heat during an "off" period without affecting the pre-set programme.

Wall Mountable
All models within the range are wall mountable, making them ideal for applications where a portable heater is not required, particularly in commercial situations such as temporary and site accommodation.

Colour/Finish
White/graphite grey.

enviro-sensitive oil free heaters

the OFRC eco range

These oil free heaters are not only lighter than their oil filled alternative, they are also approximately 30% more heat effective*. The recognised design and simple functionality has been added to with a new baby 'eco chico' model for the same responsive performance in a new compact package.

*Compared to equivalent output models

Model OFRC20tic

Energy saving features

- Unique oil free technology offers rapid warm up. Approximately 30% more heat effective (compared to an equivalent output oil filled column radiator).
- Variable thermostatic control.
- 24 hour programmable timer (OFRC20TiC).

Other features

- Range of models with outputs of 0.7kW to 2kW.
- Patented fin design (OFRC models) creates a balance of radiant and convected heat.
- Lighter than equivalent output oil filled column radiators.
- Thermostatically controlled with frost protection.
- Choice of two heat settings on OFRC models.
- On/Off switch.
- Integral cable tidy on OFRC models.
- Easy glide castors on OFRC models.
- Oil free design makes them easy to recycle and kind to the environment too.
- 3 year guarantee.

OFRB7

OFRC Patented fin design

Technical specifications

Controls
All models are provided with thermostatic control, OFRC models have twin heat settings and on/off switch.

24 hour programmable timer
Model OFRC20Tic also has a 24 hour timer to enable daily heating needs to be programmed in advance.

Cable/plug
Supplied with cable and fitted 13amp plug.

Colour
Cream.

Model	Loading	No. of fins	Height	Width	Depth	Weight
OFRB7	0.7kW	5	446mm	194mm	296mm	5.4kg
OFRC15c	1.5kW	7	622mm	370mm	280mm	7.9kg
OFRC20c	2kW	9	622mm	430mm	280mm	9.8kg
OFRC20Tic	2kW	9	622mm	430mm	280mm	9.8kg

enviro-sensitive oil free radiators

the Cadiz eco range

The Cadiz® Eco range of oil-free radiators offers the latest in innovative heating technology. Using unique micathermic heating technology, the Cadiz® Eco rapidly converts energy to heat, predominantly radiant but also convected, producing approximately 50% more heat in half the time compared to traditional oil-filled competitor products, to offer you greater energy savings. Additionally, tests prove that this unique oil free radiator is as effective at 1kW as its nearest 2kW oil filled column competitor, when set at full power.

Twin micathermic elements can work together or independently of one another – ideal when the heater is positioned against a wall, as the heat is not absorbed by the wall and energy is not wasted. Being oil-free, the Cadiz® Eco is lighter than its nearest oil-filled equivalent, and is also more environmentally friendly to recycle/dispose of than other traditional oil-filled radiators.

Energy saving features

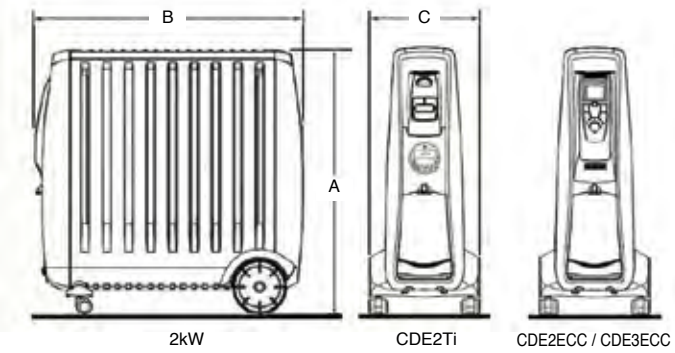
- Unique oil free heating technology offers rapid warm up and approximately 50% more heat in half the time (compared to an equivalent output oil filled column radiator).
- As effective at 1kW as a 2kW oil filled column radiator.
- Independently operating heating elements (Mono/dual panel control).
- Electronic Climate Control with highly accurate thermostatic control (to within +/- 0.5°C) and built in electronic 24 hour programmable timer (CDE2ECC & CDE3ECC).
- 24 hour programmable timer (CDE2Ti).

Other features

- Range of models with outputs of 2kW or 3kW.
- Backlit LCD display (CDE2ECC & CDE3ECC).
- Remote control (CDE2ECC & CDE3ECC).
- Integral cable tidy.
- Easy glide castors.
- 5 year guarantee.

Model CDE3ECC

Technical specifications



Controls

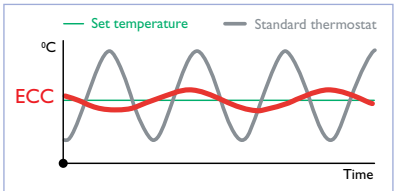
1 CDE2Ti

Variable thermostatic control and 24 hour programmable timer. The timer enables daily heating needs to be programmed in advance. A manual override enables the heater to provide instant heat during an 'off' period without affecting the pre-set programme.

2 CDE2ECC & CDE3ECC

These models have remote controlled electronic climate control. This enables the temperature to be set either by the LCD panel itself or remotely to within 1°C and this will regularly be monitored. This type of thermostat is more accurate than traditional manual thermostats.

ECC versions also have a programmable timer and clock function.



ELECTRONIC CLIMATE CONTROL (ECC)

Enables more accurate temperature control

Colour/Finish

White / light grey.

Cable/plug

All supplied with integral cable tidy so when the product is not in use the cable is hidden from view. Fitted with cable and 13amp plug.

Safety protection

Overheat safety cut out.

Assembly

No assembly required.

Model No.	CDE2Ti	CDE2ECC	CDE3ECC
Loading	2kW	2kW	3kW
Height (A)	605mm	605mm	605mm
Width (B)	614mm	614mm	770mm
Depth (C)	250mm	250mm	250mm
Weight	7.9kg	7.9kg	10.2kg

oil filled radiators

Dimplex oil filled radiators are suitable for both domestic and commercial premises, providing a balance of convected and radiant heat, just like a conventional radiator, but with the added advantage of 'plug-in' portability.

With a totally enclosed heating element, the design is very safe, reliable and does not dry the air like some convection or radiant heaters.

OFC Range features

This range of oil filled column radiators offers the perfect solution to portable heating.

They are strong, robust and durable with smooth castors to enable easy movement about the room or from room to room as required.
Each heater has thermostatic control and a choice of heat setting giving greater economy.

- Outputs of 1.5kW or 2kW.
- Choice of heat settings.
- 24 hour timer (OFC2000Ti).
- Neon indicator.
- Cord storage.
- Tilt switch.
- Safety cut-out.
- Supplied with castors, cable and fitted plug.
- Maintenance free design, sealed for life.
- 3 year guarantee.

OFC Energy saving features

- Thermostatically controlled with frost protection.
- Ti models incorporate an electronic 24-hour timer.

OFX/MK1 Range features

These traditional 'panel' style radiators will offer many years' service. Choose from the original MK1 'dimple' design or the more modern OFX range.

- Safe, reliable and requires little or no maintenance.
- Ideal for background or full heating.
- Supplied with fittings for both floor standing and wall mounting.
- Supplied with cable and fitted plug.

OFX/MK1 Energy saving features

- Thermostatic control of room temperature.
- OFX models also available with 24-hour timer.

Model OFC2000Ti

Mk1 Model C412

Model OFX1000

technical specifications

OFC Oil Filled Radiators

Controls
All models are provided with thermostatic control, a choice of heat settings, integral humidifier and neon indicator.

24-Hour Programmable Timer
Ti models incorporate a 24-hour electronic timer. This enables daily heating needs to be programmed in advance. A manual override enables the heater to provide instant heat during an "off" period without affecting the pre-set programme.

Colour/Finish
White.

Cable Plug
Each model is supplied with cable and fitted 13 amp plug.

Safety Protection
Fitted with an auto reset safety cut out.

THREE YEAR GUARANTEE 3 THREE YEAR GUARANTEE

Dimensions and Loadings

	Loading	Heat Settings	Timer	No. of Fins	Height	Depth	Width	Weight inc. foot bracket
OFC1500	1.5kW	2	✗	7	635mm	398mm	280mm	10kg
OFC2000	2.0kW	2	✗	9	635mm	440mm	290mm	11kg
OFC2000Ti	2.0kW	2	✓	9	635mm	440mm	290mm	11kg

OFX & Mk1 Oil Filled Radiators

OFX Thermostatic Control Range
An adjustable energy regulator thermostat is fitted to each model which is sensitive to panel temperature. The control dial has nine graduated heat settings. A neon pilot light indicates when the appliance is connected to the mains supply.

Timer
TI Models available with 24-hour built-in timer which can be set to switch the heater On/Off in any 15 minute periods.

MK1 Thermostatic Control Range
A room temperature thermostat is fitted to each model which automatically responds to the air temperature of the room, not the panel temperature, to provide a fine degree of control and ensure economical operation.

Colour/Finish
White stove enamel.

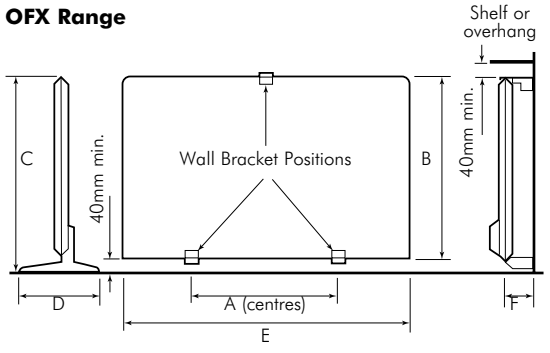
Oil
Permanently sealed. Under normal operating conditions will never need changing or re-filling.

Accessories – MK1 Range
Castor Wheels – Ball type, set of four,
Part No. RC0291.
Castor wheels, plastic, set of four,
Part No. RC9000.

Model No.	Loading	A	B	Height (C†)	Depth (D)	Width (E)	F	Weight
OFX Range								
OFX750,OFX750/TI*	0.75kW	393mm	478mm	500mm	230mm	741mm	70mm	9.5kg
OFX1000,OFX1000/TI*	1.0kW	506mm	563mm	586mm	230mm	854mm	70mm	12.9kg
OFX1500,OFX1500/TI*	1.5kW	738mm	648mm	670mm	230mm	1084mm	70mm	17.8kg
MK1 Range								
B48	0.75kW	405mm	527mm	659mm	220mm	570mm	83mm	9.5kg
C412	1.0kW	675mm	527mm	659mm	220mm	870mm	83mm	14kg
D416	1.5kW	940mm	527mm	659mm	220mm	1105mm	83mm	18.5kg
E420	2.0kW	1208mm	527mm	659mm	220mm	1373mm	83mm	23kg

* With built-in programmable 24 hour timer. † For height when freestanding add 35mm.

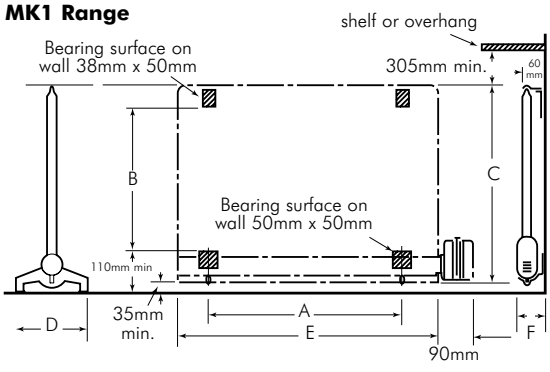
OFX Range



THREE YEAR GUARANTEE 3 THREE YEAR GUARANTEE

OFX range only

MK1 Range



slimline heaters

the DXLWP range

Designed to provide background heating to applications where space is at a premium and low running costs are important. The range covers both portable use or wall mounted for an understated heating solution.

Energy saving features

- Low wattage ensures the minimum energy consumption for low running costs.
- Timer operation allows heating to be used only when required, saving energy.

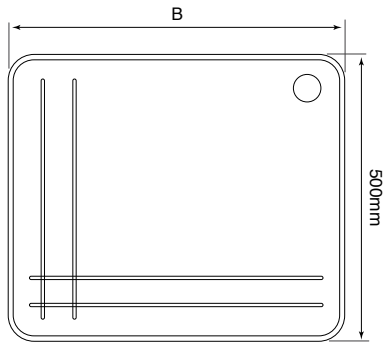
Other features

- Range comprises 400W and 800W models.
- Wall mounted installation depth of 30mm.
- Feet included for freestanding use.
- Choice of heat settings.*
- 24 hour programmable timer.*
- On/Off switch.
- 3 year guarantee.

*TI models only

Model DXLWP400

Main Dimensions



Technical specifications

Model No.	DXLWP400	DXLWP400TI	DXLWP800	ARLWP800TI
Loading	400W	400W	800W	800W
Height (A)	530mm	530mm	530mm	530mm
Width (B)	600mm	600mm	800mm	800mm
Depth – freestanding	200mm	200mm	200mm	200mm
Depth – wall mounted	30mm	30mm	30mm	30mm
Weight	4.6kg	4.6kg	5.9kg	5.9kg

THREE YEAR GUARANTEE 3 THREE YEAR GUARANTEE

Colour/Finish
White

Cable/plug
All models supplied with 1.5m cable plug

Safety protection
Overheat safety cut-out

infra-red heaters

the IRX range

The IRX range of infra-red wall heaters is a safe, practical source of heat in bathrooms, kitchens, work areas – anywhere where fast localised heating is required.

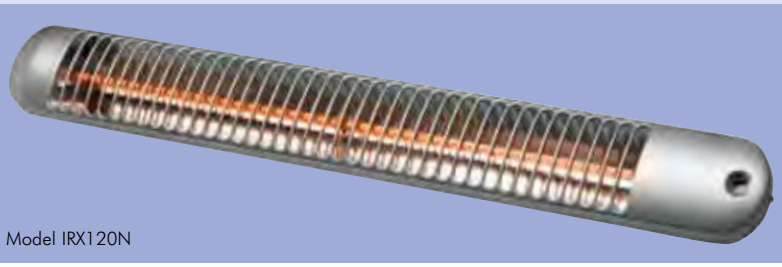
Energy saving feature

- Choice of heat settings on IRX200N.

Other features

- Designed to provide rapid beamed warmth.
- All models have adjustable beam angle to direct heat where it's needed.
- All models are IP24 rated meaning they are suitable for permanent installation internally or externally.
- Pull cord operation.
- Silver grey finish.
- 1 year guarantee.

Technical specifications



Model IRX120N

Electrical Connections – All models
Supply cable is not provided. Provision is made for connection to fixed wiring only with surface wiring or flexible cord entering through a bushed hole in the bottom or side of the base plate.

IP Rating
All models are IP24 rated.

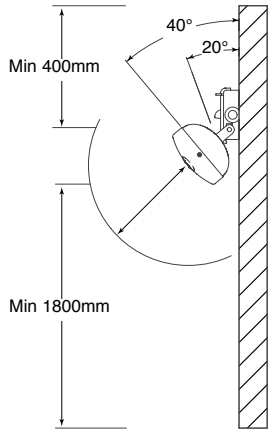
Controls
Built-in double-pole pull-cord switch

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

Clearances
- 600mm to curtain
- 300mm to wall

Reflector
Angle adjustable on installation and lockable.

Fixing dimensions and positioning



Model	Loading	Length	Height	Depth	Weight
IRX50N	0.5kW	764mm	114mm	92.5mm	2.0kg
IRX120N	1.2kW	764mm	114mm	92.5mm	2.0kg
IRX200N	2kW	764mm	114mm	92.5mm	2.1kg

frost watcher

the FW600

The FW600 wall mounted frost watcher is a low energy, simple to use heating appliance. Suitable for application in areas where a heating solution may not already be in place, yet a low level of heat is required to maintain a comfortable environment, such as garages/ workshops, conservatories or sheds.

Energy saving feature

- Thermostatic control with frost protection setting.

Other features

- Mains on neon indicator.
- All models are IP20 rated.
- Over heat protection.
- Wall mountable only.
- Light grey/white aluminium finish.
- 1 year guarantee.

Technical specifications

Electrical
All installation must be in accordance with current IEE regulations.

Safety Protection
Manually resettable thermal overload cut-out.

Construction
Double insulated plastic case moulded in flame retardant, self extinguishing grade nylon.

Installation
Two keyhole slots are provided together with a third fixing hole to secure the heater to the wall. The heaters are supplied without a plug.

Model FW600

Model	Loading	Height	Width	Depth	Weight
FW600	600W	240mm	259mm	121mm	1.12kg

multi-purpose heaters

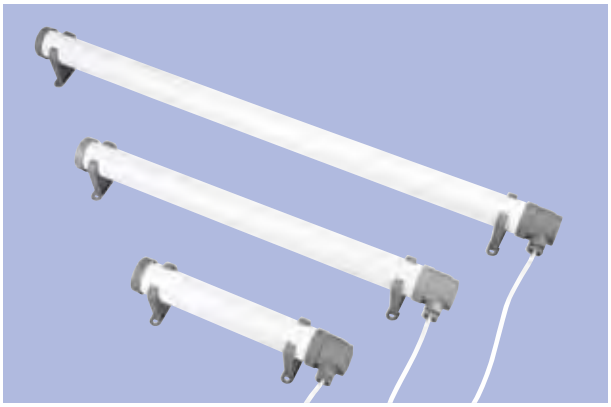
the T Range features

The Dimplex T range of tubular heaters is ideal for applications which require safe, low-wattage background heating for frost protection or as window de-misters.

With a totally enclosed heating element, the design is very safe, reliable and does not dry the air like some convection or radiant heaters.

Each unit is supplied with mounting brackets for floor or wall-fixing and an optional interlinking kit will allow the heaters to be 'banked' in pairs if a higher heat output is required.

With applications ranging from workshops and garages to conservatories, airing cupboards, caravans and yachts, the T range is suitable for numerous commercial and domestic situations.



T Range

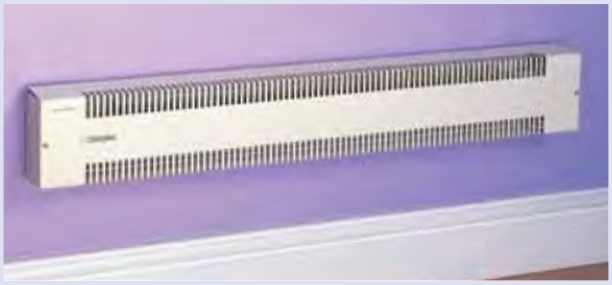
T Range features

- Choice of 4 sizes.
- Discreet wall/floor mounting brackets.
- Optional interlinking kit.
- CE approved.
- Fully splash-proof (IPX4 rated).
- Auto-reset thermal overload cut-out for safety.
- Even heat distribution across heater body.
- Complete with 1.5m of cable & fitted plug.

the SCH5 features

A slim unobtrusive heater designed primarily for wall mounted use at skirting board level.

Used individually these heaters provide limited background heating for a variety of applications such as utility rooms.



Model SCH5

SCH5 features

- Can be connected end to end to provide greater output, using an accessory kit (CH0471).
- Suitable for free standing or wall mounting (if not wall mounted it must be fitted with accessory feet).

the MPH features

These compact, durable heaters are ideal for use virtually anywhere a low level of localised heat or frost protection is required e.g. greenhouses, sheds, conservatories and airing cupboards.

Model MPH1000 and MPH500

MPH Range features

- Suitable for free standing or wall mounting (can be used either horizontally or vertically when floor mounted).
- Splash-proof (IPX4 rated).
- Neon mains indicator.

Energy saving feature

- Variable thermostat with frost protection setting.

technical specifications

Tubular Heaters

Controls
No controls supplied. However, heaters are suitable for connection to a time-switch or thermostat.

IP Rating
Splash-proof IPX4.

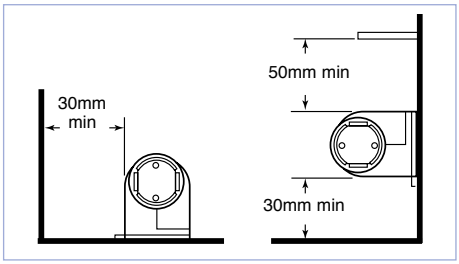
Safety
An auto-reset safety cut-out is incorporated in the heater to prevent damage due to over-heating. The appliance is fully splashproofed.

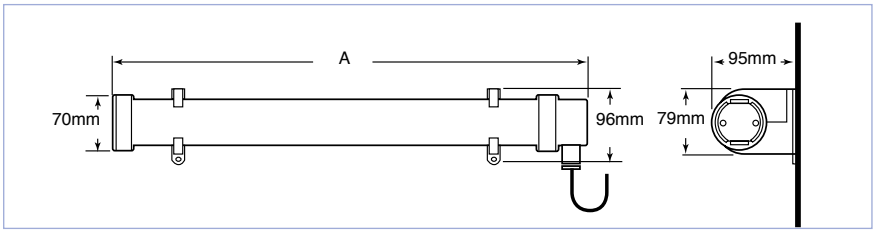
Fixing
Discreet wall/floor mounting brackets are provided. Horizontal mounting only.

Installation
Supplied with 1.5m of flexible cable and fitted plug. When connecting to fixed wiring, a suitable double pole isolating switch should be provided adjacent to the heater. The clearances shown must be maintained. If the heater is not to be wall mounted, then it must be permanently fixed to the floor.

Tubular Linking Kit
The tubular linking kit is available as optional extra. Kit enables 2 heaters to be banked vertically or connected in a step sequence.

Colour/Finish
White body, grey ends and wall brackets.





Dimensions and Loadings

Model No.	Loading	Length* (A)	Height*	Depth*
T60W	60W	350mm	96mm	95mm
T120W	120W	655mm	96mm	95mm
T240W	240W	1265mm	96mm	95mm
T360W	360W	1875mm	96mm	95mm

*When wall mounted.

SCH5 Convector Heater

Output
500W.

Controls
No user controls, but suitable for connection to a thermostat or timer.

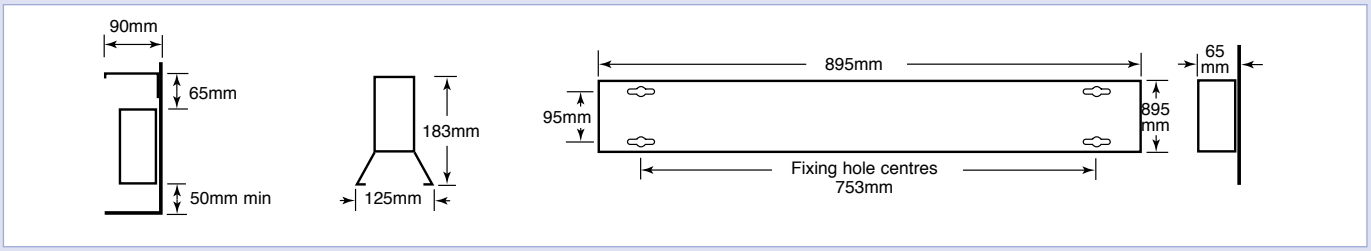
Safety Cut-out
Supply interrupt type.

Multiple Installations
For multiple connection of more than 2 heaters, flexible cord should be changed to one of a suitable current rating. The maximum current rating for an installation connected to a ring main circuit should not exceed 13 amps (x 6 heaters max).

Colour / Finish
Durable powder coat finish in Willow White.

Electrical Connection
Supplied with approximately 1.8m cable, rated at 6 amps. When connecting to fixed wiring, a suitable double pole isolating switch should be provided adjacent to the heater.

Accessories
Feet – Part No. CH9101
Linking kit – CH0471



MPH Convector Heaters

Output
MPH500 – 500W
MPH1000 – 1000W

Controls
Thermostat: variable, bi-metallic with frost protection at lowest setting. Neon mains indicator.

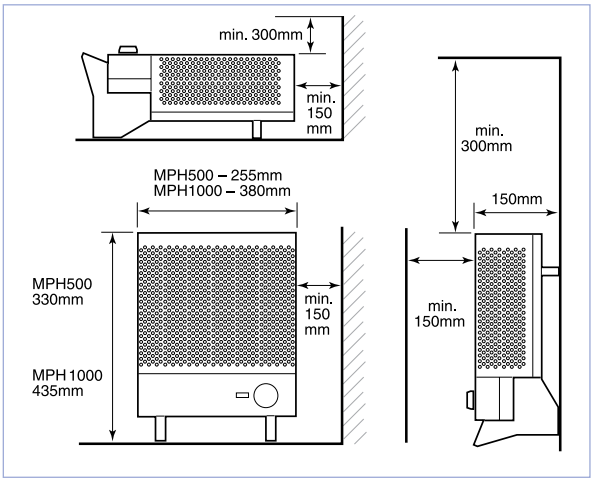
Element
Mineral Filled type.

Safety Cut-out
Supply interrupt type.

Fixing
Integral wall mounting/floor standing bracket.

Electrical Connection
Supplied with approximately 1.8m cable and fitted plug.

Colour/Finish
Durable powder coat finish in Willow White and Birch Grey trim.



electric fires range overview

Dimplex has an extensive range of electric fires and an overview is below. Please visit our www.dimplex.co.uk/fires to see the complete range.

Optiflame® Wall Mounted fires

Dimplex has an extensive range of contemporary wall mounted fires with outputs ranging from 400W to 2kW. These high quality finish, electric fires, are the perfect, modern addition to any living space and are particularly ideal where floor space is limited.

Dimplex wall mounted fires offer a variety of sizes and features** across the range, such as choice of heat settings, thermostats, remote control and choice of fuel effects.

** Subject to model

Optiflame® Inset fires

In a range of traditional and contemporary styles, with canopy or canopy-free models available, Dimplex's inset fires** will fit virtually all standard fireplace opening or a suitable fire surround, requiring an inset depth starting from just 55mm. Additionally many models can also be used freestanding with the spacer kit provided, allowing them to fit flat to the wall. Again with a choice of features and finishes, there's a Dimplex inset to suit any living room.

** Subject to model

Optiflame® Freestanding fires

This range of traditional and contemporary styled electric fires fits straight from the box, flat to the wall, for a no-fuss, hassle-free installation.

Each freestanding fire in this range is supplied with a fitted plug and incorporates multiple features and benefits**, such as a choice of heat settings, remote control, thermostat and varying fuel effects.

** Subject to model

Optiflame® Electric Stoves

The impressively authentic range of Dimplex electric stoves, offers a range of modern and traditional styled designs that can be used almost anywhere.

With doors open* or closed, the unique Optiflame® effect featured across the range provides an extremely realistic flame effect, which combined with the concealed 1-2kW fan heater, complements the range and enhances the realism of these versatile electric stoves. Choose from an extensive range, from compact, budget priced models through to larger, statement piece products.

* Selected models only

opti-myst®

Opti-myst is a stunning new flame effect from Dimplex. Deceptively real, it will captivate you from the moment you see it.

The fully 3-dimensional flame effect uses ultra-fine water mist that is illuminated to create 'flames' and 'smoke', making it the most realistic electric flame effect in the world. An overview of some of the products in this range are shown below, but please visit www.dimplex.co.uk/fires to see our latest collection.

opti-myst® Traditional Inset fires

With modern and traditional styles available, including finishes in brass effect, antique brass effect, titanium effect and black, these fires include 1 and 2kW heat selection.

opti-myst® Contemporary Inset fires

The Bingham is a stunning fire which can be installed with three sides of the glass visible or partially inset with either one or two sides of glass visible.

opti-myst® Electric Stoves

Our range of freestanding stove effect fires includes models with 180° flame effect viewing angle and double or single doors. With 1 and 2kW heat selection, some models also include opening doors to view the stunning effect in more detail.

freestanding Optiflame® electric fires

Model LYM28E Lymington

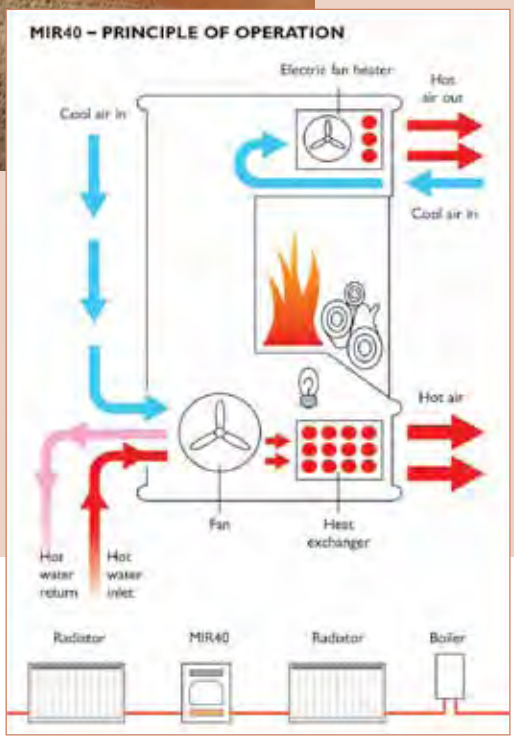
the Lymington features

- Optiflame® coal effect.
- 2kW radiant heat, plus 0.7kW convected heat.
- 'Economiser' control.
- Choice of heat settings.
- Flame effect can be used independently of heat source (130W power consumption).
- Fitted plug.
- Finished in matt black with brass effect trim.
- BEAB Approved.

the MIR40 Hydronic Stove features

- Stove design with Optiflame® log effect.
- Fits to a conventional wet central heating system to give 4kW heat output.
- 2kW electric fan with choice of heat settings.
- Thermostatically controlled electric heater.
- An additional 2kW heat output from the integral heat exchanger.
- May be fitted in place of/or in addition to conventional radiators.
- Flame effect can be used independently of heat source (130W power consumption).
- Fitted plug.
- Black finish.
- BEAB Approved.

Model MIR40



Dimensions and loadings

Model No.	Total Output	Height	Width	Total Depth Max
Lymington LYM28E	2.7kW	690mm	720mm	275mm
MIR40	4.0kW	690mm	564mm	270mm

fuel effect fires

Our range of fuel effect fires is ideal for contracts or for someone looking for a more traditional design.

Energy saving features

- Choice of heat settings
- Economiser control (except Yeominster)

the Optima features

- Freestanding or wall-mounted.
- Attractive cherry finish surround.
- 2kW of radiant heat.
- Flickering flame coal effect.

Model 314CHE Optima

the Theme features

- Attractive cherry finish surround.
- Flickering flame coal effect.
- 2kW of radiant heat.
- 0.8kW convector with variable thermostat for background warmth.

Model 316CHE Theme

fuel effect fires

the Lyndhurst features

- Stylish black canopy.
- Flickering flame log effect.
- 2kW of radiant heat.
- 0.7kW of thermostatically controlled convected heat.

Model 430RCE/B Lyndhurst

the Yeominster features

- Traditional design finished in black with brass-effect detail.
- 2kW radiant heat.
- 2 heat settings.
- Moulded log effect and flickering flame impression.

Model YEO20 Yeominster

Dimensions and loadings

Model No.	Total Output	Width	Height	Depth	Wall Mounted / Free Standing
Optima 314CHE	2.0kW	775mm	540mm	215mm	Wall Mounted / Free Standing
Yeominster YEO20	2.0kW	631mm	395mm	214mm	Free Standing
Lyndhurst 430RCE/B	2.7kW	710mm	680mm	225mm	Free Standing
Theme 316CHE	2.8kW	775mm	610mm	265mm	Free Standing

radiant wall fires

the STUDIO range

These fires provide a comfortable source of instantaneous radiant heat just like the warmth of the sun.

They are ideal for living areas to give a quick heat lift and to provide a supplement to the main heating system.

Model 842

Model 842S

Energy saving feature

- Choice of heat settings.

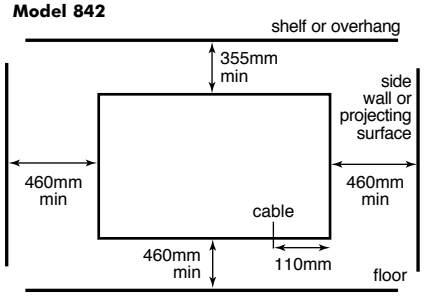
Other features

- Choice of three models.
- Wall mounted.
- Warming fireglow illumination even when heating elements are switched off.
- Three heat settings available on all models.
- Choice of models with 2kW or 3kW output.
- Choice of styles: Model 842 in white, 842S and 843S with a wood effect surround.
- Permanent secure wall mounting.

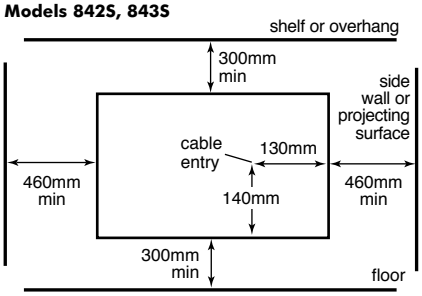
Technical Specifications

Fixing Clearances

Model 842

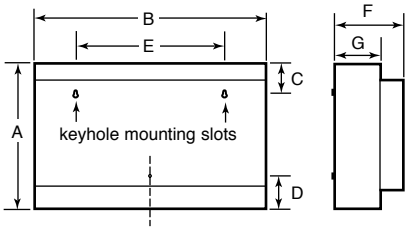


Models 842S, 843S

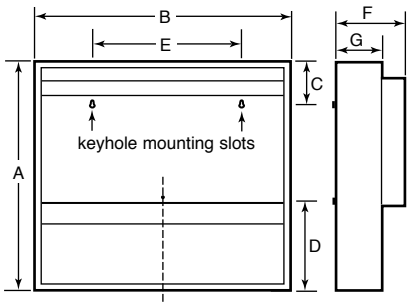


Dimensions & Fixing Positions

Model 842



Models 842S, 843S



Dimensions and loadings

Model	Output (elements)	(effect)	A	B	C	D	E	F	G	Weight
842	1980W	60W	290mm	470mm	53mm	52mm	305mm	140mm	95mm	5kg
842S	1980W	120W	470mm	505mm	90mm	190mm	305mm	140mm	95mm	7.5kg
843S	3000W	120W	470mm	810mm	90mm	190mm	610mm	140mm	95mm	10.8kg

over door heaters

the AC range

Bringing new and modern styling to the ever popular Dimplex AC range, these over door heaters provide powerful and effective heating above entrances to shops, offices and almost any small doorway.

Because they warm the door entrance area, they often allow doors to remain open for longer, promoting increased business, and can equally be used as high-level fan heaters where the need arises.

For extra convenience the AC3RN model gives remote control operation and a recessed model AC3CN is available for installation in suspended or plaster ceilings where 'hidden' installation is required.

Model AC3N

Model AC3CN recessed

Energy saving feature

- Twin heat settings and fan only mode help match output to changing heating demands, keeping a check on energy use.

Other features

- New curved styling for modern interiors.
- Recessed model with wall mounted controller and ceiling grille included (AC3CN).
- Handheld remote control model for extra convenience (AC3RN).
- Can be used as a high-level fan heater.
- Recessed AC3CN can be fitted in the centre of the ceiling.
- Adjustable airflow on AC3N, AC3RN, AC45N and AC6N.
- Models AC3N, AC3RN and AC45N designed for single doorways.
- Model AC6N designed for double doorways.
- Model AC3CN comes as standard with wall control over full heat, half heat and fan only settings.
- Model AC3N can be used with or without aluminium ceiling grille.

Model AC6N

technical specifications

Technical – All Models
All models use high power tangential blower units and effective wire stitched elements.

Electrical Connection
No cable supplied, designed for permanent connection to the fixed wiring of the premises through an adjacent double pole switch or conduit connection.

Construction/Finish
1 AC3N, AC3RN, AC45N, AC6N
Pressed steel case with ABS end caps finished in durable white with contrasting switches.

2 AC3CN
Pressed steel heater with mounting brackets and white grille.
An additional aluminium egg crate grille is also provided for suspended ceilings.

Installation
1 AC3N, AC3RN, AC45N, AC6N
Designed for wall or ceiling installation.

2 AC3CN
Designed for flexible installation options as follows:
• 600x600mm Drop-rod installation into plaster or suspended ceilings
• 300x600mm Drop-rod installation into plaster or suspended ceilings
• 600x600mm Direct fixed to ceiling
• 300x600mm Direct fixed to ceiling
• 300x600mm Bulkhead fixing

Safety Protection
1 AC3N, AC3RN, AC45N, AC6N
Supply interrupt cut-outs.

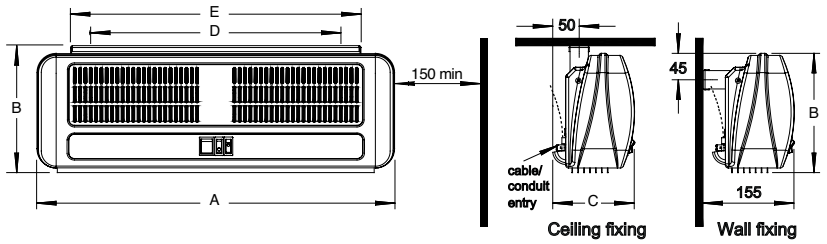
2 AC3CN
2 x manual reset cut-outs.

Controls
1 AC3N, AC45N, AC6N
Integrated control over full heat, half heat or fan only modes.

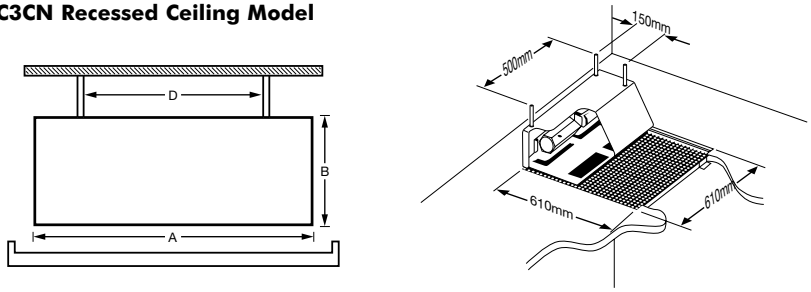
2 AC3RN
Controls as above with additional wireless control over "on/off" switching via handset included. Maximum range 8m.

3 AC3CN
Remote control via supplied wall mounted controller over full heat, half heat and fan only operation (no cable supplied).

AC3N, AC3RN, AC45N, AC6N Surface Models



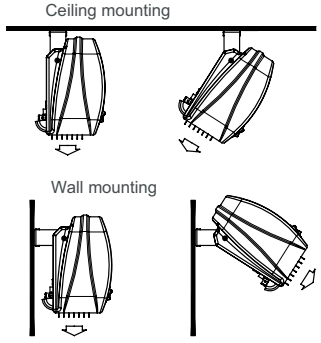
AC3CN Recessed Ceiling Model



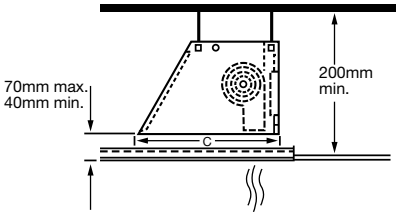
Model	AC3N	AC3RN	AC45N	AC6N	AC3CN (recessed)
Max Recommended Mounting Height	2.3m	2.3m	2.3m	2.3m	2.3m
Outputs	1.5kW/3.0kW	1.5kW/3.0kW	2.25kW/4.5kW	3.0kW/6.0kW	1.5kW/3.0kW
Voltage	230V–1PN	230V–1PN	230V–1PN	230V–1PN	230V–1PN
Noise dB (A) †	50.5	50.5	52.0	57.0	52.0
Air Volume m^3/h	212m^3/h	212m^3/h	248m^3/h	446m^3/h	175m^3/h
Max Air Speed m/s*	5.0	5.0	5.0	5.5	3.2
Length (A)	605mm	605mm	605mm	905mm	595mm
Height (B)#	200mm*	200mm*	200mm*	200mm*	184mm
Depth (C)	135mm	135mm	135mm	135mm	295mm
Weight	5.1kg	5.3kg	5.2kg	7.2kg	8.7kg
Fixing Points (D)	424mm	424mm	424mm	721mm	500mm
Bracket Length (E)	492mm	492mm	492mm	788mm	–
Approvals	BEAB				

* Effective airflow with cover fitted. #Add 14mm for total installed height (not AC3CN).
† Measured 3m from the product, outside the airstream.

AC3N, AC3RN, AC45N, AC6N Surface Models



Recessed AC3CN Ceiling Model



commercial air curtains

IMPROVES CRC EES ENERGY PERFORMANCE

SURFACE AND RECESSED FOR 1, 1.5 AND 2m DOORS

the CAB range

A comprehensive range of electronically controlled commercial air curtains suited to commercial applications. The CAB range provides a powerful curtain of air across an open door to prevent warm or cool air escaping, minimising energy costs whilst maximising comfort and convenience.

Offered in electric, water or ambient versions there are models for surface or recess mounting suited to a maximum mounting height of 3m. All models can be joined together and operated from one controller for maximum flexibility.

Model CAB10E (x2) plus optional linking kit

Energy saving features

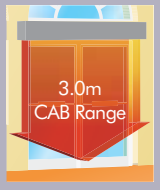
- Increases building energy efficiency by retaining heat or cooled air within the building.
- Reduces building carbon emissions, lowering energy bills and the need to purchase carbon credits under the CRC EES scheme.
- Boosts carbon league table position under the government CRC EES scheme, enhancing customer perception.
- Automatic control system optimises output based on either ambient temperature, door postion (open or closed) or air conditioning mode*.
- Fully intergrated links to BMS/BEMS systems for centralised energy control.

* may require additional sensors.

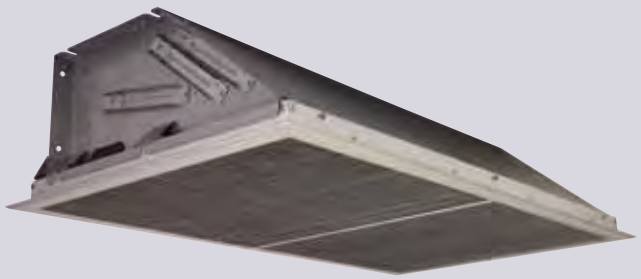
Other features

- Designed for mounting up to 3m.
- Surface and recess models.
- Electric, water and ambient models available.
- Suitable for 1m, 1.5m and 2m door widths.
- Modular design allows easy installation of multiple air curtains together.
- Easy-fit bracket included as standard.
- Built-in drop-rod mounting points.
- Adjustable air discharge.
- Reversible water coils for left or right hand connection.
- Electronic control system with wall mount control over fan speed, heat level and optional door sensors*.
- Electronic fan run-on control.

* dependent on model.

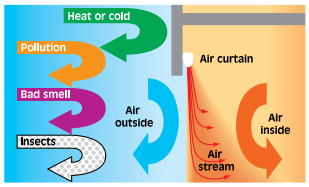


Dedicated Electric Recessed

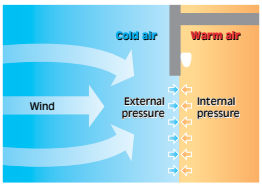


Range features

- Faster installation.
- Flexible grille mounting height.
- Can be linked together as a system.



Air curtains work by separating two different temperature zones with an invisible curtain of air. They provide a fast moving air stream to block air movement through the door whilst allowing the door to remain open.

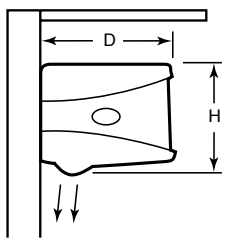


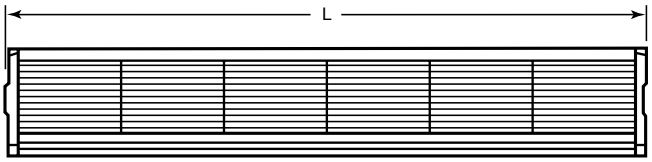
Where extractor units are used within the building, ventilation should also be provided to equalise pressure differences for maximum air curtain effectiveness.

technical specifications

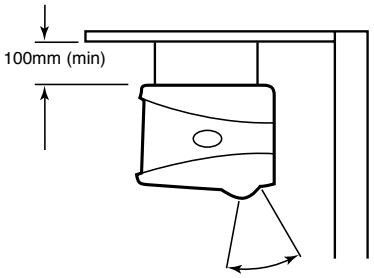
Surface Mounted

Wall Fixing





Ceiling Mounted

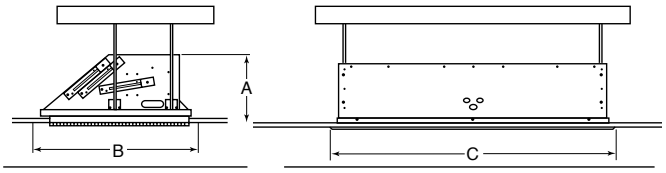


Model No	Max Mounting Height	Max Airstream Width	Air Volume	Max Air Flow	Heat Output	Voltage	Amperage (A) per phase	Noise dB(A)* (High/Low) Airflow	Supply Cabling (Not Supplied)	Dimensions L x H x D	Weight
Electrically Heated											
CAB10E	3.0m	1.0M	1200m³/h	9.0m/s	4.5/9.0kW	380-415V-3PN	13.5A	54/50dB	5 core†	1065mm x 262mm x 321mm	20.5kg
CAB15E	3.0m	1.5M	1800m³/h	9.0m/s	6.75/13.5kW	380-415V-3PN	20.0A	55/51dB	5 core†	1569mm x 262mm x 321mm	29.0kg
CAB20E**	3.0m	2.0M	2400m³/h	9.0m/s	9.0/18.0kW	380-415V-3PN	27.0A	56/52dB	5 core†	2130mm x 262mm x 321mm	41.0kg
Water Heated (at 82/71°C – LPHW)											
CAB10W	3.0m	1.0M	1100m³/h	8.0m/s	9.0kW	220-240V-1PN	0.3A	53/49dB	3 core†	1065mm x 262mm x 321mm	18.0kg
CAB15W	3.0m	1.5M	1700m³/h	8.0m/s	13.5kW	220-240V-1PN	0.5A	54/50dB	3 core†	1569mm x 262mm x 321mm	24.5kg
CAB20W**	3.0m	2.0M	2200m³/h	8.0m/s	18.0kW	220-240V-1PN	0.6A	55/51dB	3 core†	2130mm x 262mm x 321mm	36.0kg
Ambient/Cold Store											
CAB10A	3.0m	1.0M	1200m³/h	9.0m/s	n/a	220-240V-1PN	0.3A	54/50dB	3 core†	1065mm x 262mm x 321mm	15.5kg
CAB15A	3.0m	1.5M	1800m³/h	9.0m/s	n/a	220-240V-1PN	0.5A	55/51dB	3 core†	1569mm x 262mm x 321mm	21.5kg
CAB20A**	3.0m	2.0M	2400m³/h	9.0m/s	n/a	220-240V-1PN	0.6A	56/52dB	3 core†	2130mm x 262mm x 321mm	31.0kg

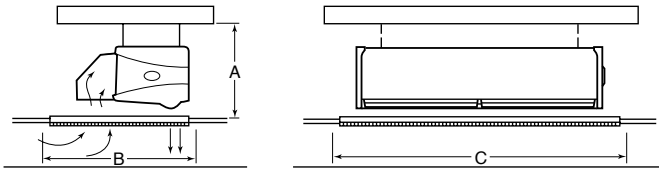
* Measured 3m from the product, outside the airstream ** Comprises two units † Plus earth

Recess Mounted

Electric



Water/Ambient



Model No	Max Mounting Height	Max Airstream Width	Air Volume	Max Air Flow	Heat Output	Voltage	Amperage (A) per phase	Noise dB(A)* (High/Low) Airflow	Supply Cabling (Not Supplied)	Installation Dimensions A x B x C	Weight
Electrically Heated											
CAB10ER	3.0m	1.0M	1200m³/h	9.0m/s	4.5/9.0kW	380-415V-3PN	13.5A	54/50dB	5 core†	276mm x 667mm x 1168mm	26.0kg
CAB15ER	3.0m	1.5M	1800m³/h	9.0m/s	6.75/13.5kW	380-415V-3PN	20.0A	55/51dB	5 core†	276mm x 667mm x 1718mm	35.0kg
CAB20ER**	3.0m	2.0M	2400m³/h	9.0m/s	9.0/18.0kW	380-415V-3PN	27.0A	56/52dB	5 core†	276mm x 667mm x 2363mm	54.5kg
Water Heated (at 82/71°C – LPHW)											
CAB10WR	3.0m	1.0M	1100m³/h	8.0m/s	9.0kW	220-240V-1PN	0.3A	53/49dB	3 core†	370mm x 667mm x 1168mm	23.0kg
CAB15WR	3.0m	1.5M	1700m³/h	8.0m/s	13.5kW	220-240V-1PN	0.5A	54/50dB	3 core†	370mm x 667mm x 1718mm	32.5kg
CAB20WR**	3.0m	2.0M	2200m³/h	8.0m/s	18.0kW	220-240V-1PN	0.6A	55/51dB	3 core†	370mm x 667mm x 2268mm	46.0kg
Ambient/Cold Store											
CAB10AR	3.0m	1.0M	1200m³/h	9.0m/s	n/a	220-240V-1PN	0.3A	54/50dB	3 core†	370mm x 667mm x 1168mm	20.5kg
CAB15AR	3.0m	1.5M	1800m³/h	9.0m/s	n/a	220-240V-1PN	0.5A	55/51dB	3 core†	370mm x 667mm x 1718mm	29.5kg
CAB20AR**	3.0m	2.0M	2400m³/h	9.0m/s	n/a	220-240V-1PN	0.6A	56/52dB	3 core†	370mm x 667mm x 2268mm	41.0kg

* Measured 3m from the product, outside the airstream ** Comprises two units † Plus earth

commercial air curtains

the DAB range

Designed to suit larger commercial entrances or installations requiring a more powerful air curtain, the DAB range has all the features of the smaller CAB range with uprated performance for mounting up to 4m from the floor.

With high power motors and electronic control, these air curtains are built to provide maximum coverage at the door whilst minimising energy used through adjustable controls. Both surface and recess mounted models are available in a choice of ambient, water or electric heated models for a complete line-up that can be controlled individually or from one point as a system of air curtains together. All models feature a standard interface for BMS connection and the facility to operate from door sensors too.

IMPROVES CRC EES ENERGY PERFORMANCE

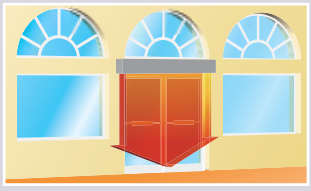
SURFACE AND RECESSED FOR 1, 1.5 AND 2m DOORS

Model DAB15WR

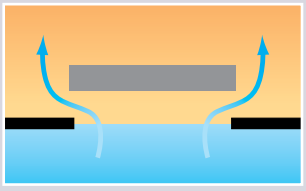
Energy saving features

- Increases building energy efficiency by retaining heat or cooled air within the building.
- Reduces building carbon emissions, lowering energy bills and the need to purchase carbon credits under the CRC EES scheme.
- Boosts carbon league table position under the government CRC EES scheme enhancing customer perception.
- Automatic control system optimises output based on either ambient temperature, door postion (open or closed) or air conditioning mode*.
- Fully intergrated links to BMS/BEMS system for centralised energy control.

* may require additional sensors.



Placing an air curtain above the entrance covering the full door width maximises performance.



Positioning the air curtain too far from the entrance compromises performance with air leaking around the airstream.

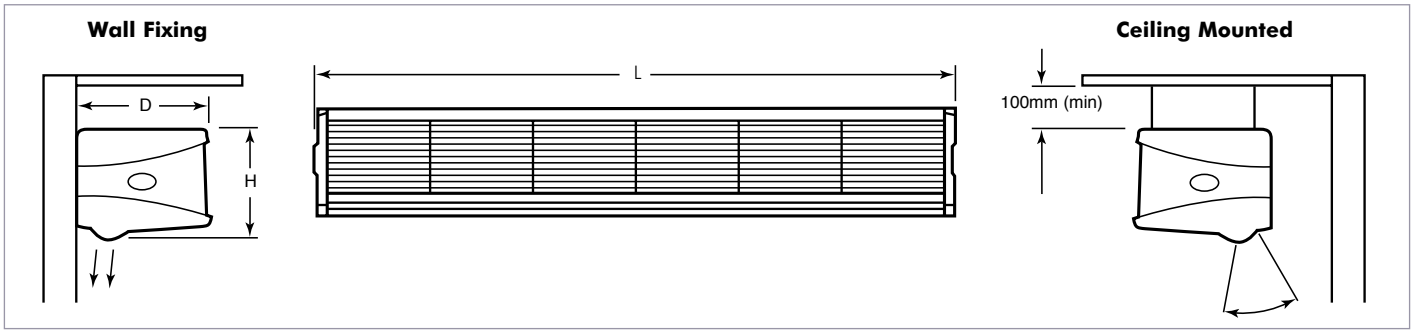
Other features

- Designed for mounting up to 4m.
- Surface and recess models.
- Electric, water and ambient models available.
- Suitable for 1m, 1.5m and 2m door widths.
- Modular design allows easy installation of multiple air curtains together.
- Easy-fit bracket included as standard.
- Built-in drop-rod mounting points.
- Adjustable air discharge.
- Reversible water coils for left or right hand connection.
- Electronic control system with wall mount control over fan speed, heat level and optional door sensors*.
- Electronic fan run-on control.

* dependent on model.

technical specifications

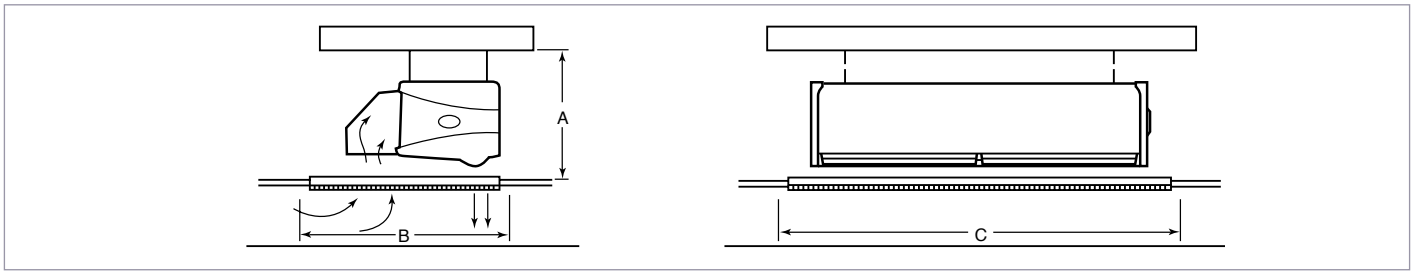
Surface Mounted



Model No	Max Mounting Height	Max Airstream Width	Air Volume	Max Air Flow	Heat Output	Voltage	Amperage (A) per phase	Noise dB(A)* (High/Low) Airflow	Supply Cabling (Not Supplied)	Dimensions L x H x D	Weight
Electrically Heated											
DAB10E	4.0m	1.0M	3000m³/h	13.5m/s	6.0/12.0kW	380-415V-3PN	18.9A	58/52dB	5 core†	1057mm x 360mm x 390mm	26.5kg
DAB15E	4.0m	1.5M	4000m³/h	13.5m/s	9.0/18.0kW	380-415V- 3PN	27.5A	59/53dB	5 core†	1557mm x 360mm x 390mm	35.0kg
DAB20E**	4.0m	2.0M	6000m³/h	13.5m/s	12.0/24.0kW	380-415V- 3PN	37.8A	60/54dB	5 core†	2114mm x 360mm x 390mm	53.0kg
Water Heated (at 82/71°C – LPHW)											
DAB10W	4.0m	1.0M	2500m³/h	13.0m/s	12kW	220-240V-1PN	1.5A	57/51dB	3 core†	1057mm x 360mm x 390mm	25.0kg
DAB15W	4.0m	1.5M	3500m³/h	13.0m/s	18kW	220-240V-1PN	2.3A	58/53dB	3 core†	1557mm x 360mm x 390mm	32.0kg
DAB20W**	4.0m	2.0M	5000m³/h	13.0m/s	24kW	220-240V-1PN	3.0A	59/55dB	3 core†	2114mm x 360mm x 390mm	50.0kg
Ambient/Cold Store											
DAB10A	4.0m	1.0M	3000m³/h	13.5m/s	n/a	220-240V-1PN	1.5A	58/52dB	3 core†	1057mm x 360mm x 390mm	21.5kg
DAB15A	4.0m	1.5M	4000m³/h	13.5m/s	n/a	220-240V-1PN	2.3A	59/53dB	3 core†	1557mm x 360mm x 390mm	27.5kg
DAB20A**	4.0m	2.0M	6000m³/h	13.5m/s	n/a	220-240V-1PN	3.0A	60/54dB	3 core†	2114mm x 360mm x 390mm	43.0kg

* Measured 3m from the product, outside the airstream ** Comprises two units † Plus earth

Recess Mounted – Electric, Water, Ambient



Model No	Max Mounting Height	Max Airstream Width	Air Volume	Max Air Flow	Heat Output	Voltage	Amperage (A) per phase	Noise dB(A)* (High/Low) Airflow	Supply Cabling (Not Supplied)	Installation Dimensions A x B x C	Weight
Electrically Heated											
DAB10ER	4.0m	1.0M	3000m³/h	13.5m/s	6.0/12.0kW	380-415V-3PN	18.9A	58/52dB	5 core†	470mm x 667mm x 1168mm	31.5kg
DAB15ER	4.0m	1.5M	4000m³/h	13.5m/s	9.0/18.0kW	380-415V- 3PN	27.5A	59/53dB	5 core†	470mm x 667mm x 1718mm	43.0kg
DAB20ER**	4.0m	2.0M	6000m³/h	13.5m/s	12.0/24.0kW	380-415V- 3PN	37.8A	60/54dB	5 core†	470mm x 667mm x 2268mm	63.0kg
Water Heated (at 82/71°C – LPHW)											
DAB10WR	4.0m	1.0M	2500m³/h	13.0m/s	12kW	220-240V-1PN	1.5A	57/51dB	3 core†	470mm x 667mm x 1168mm	30.0kg
DAB15WR	4.0m	1.5M	3500m³/h	13.0m/s	18kW	220-240V-1PN	2.3A	58/53dB	3 core†	470mm x 667mm x 1718mm	40.0kg
DAB20WR**	4.0m	2.0M	5000m³/h	13.0m/s	24kW	220-240V-1PN	3.0A	59/55dB	3 core†	470mm x 667mm x 2268mm	60.0kg
Ambient/Cold Store											
DAB10AR	4.0m	1.0M	3000m³/h	13.5m/s	n/a	220-240V-1PN	1.5A	58/52dB	3 core†	470mm x 667mm x 1168mm	26.5kg
DAB15AR	4.0m	1.5M	4000m³/h	13.5m/s	n/a	220-240V-1PN	2.3A	59/53dB	3 core†	470mm x 667mm x 1718mm	35.5kg
DAB20AR**	4.0m	2.0M	6000m³/h	13.5m/s	n/a	220-240V-1PN	3.0A	60/54dB	3 core†	470mm x 667mm x 2268mm	53.0kg

* Measured 3m from the product, outside the airstream ** Comprises two units † Plus earth

industrial air curtains

the IAB range

A range of air curtains designed for industrial applications and areas where the highest performance is required to protect the open door.

With highly durable components offering long life and maintenance free operation, these units can be specified with confidence and trouble free long service in mind.

Often found in large warehouses, factories and distribution centres, these super high power air curtains can cut running costs of a busy facility considerably, whilst improving the working environment too.

Both 1m and 1.5m units are available in either LPHW, electric or ambient versions, and can be linked together as a complete air curtain system.

Model 2 x IAB15W

IMPROVES CRC EES ENERGY PERFORMANCE

Energy saving features

- Reduces building carbon emissions, lowering energy bills and the need to purchase carbon credits under the CRC EES Scheme.
- Automatic control system optimises output based on either ambient temperature, door position (open or closed) or air conditioning mode.
- Fully intergrated links to BMS/BEMS system for centralised energy control.

* may require additional sensors.

Other features

- Designed for mounting up to 6m.
- Super high output air stream for the largest doors.
- Electric, water and ambient models available.
- Suitable for 1m and 1.5m door widths.
- High power centrifugal blowers for large air movement.
- Built-in drop-rod mounting points.
- Adjustable air discharge.
- Electronic control system with wall mount control over fan speed, heat level and optional door sensors*.
- Electronic fan run-on control.
- Control system allows up to 10 linked units to be controlled as one.

* dependent on model.

Technical specifications

	Electrically Heated		Water Heated (at 82/71°C – LPHW)		Ambient & Cold Store	
Model	**IAB10E**	**IAB15E**	**IAB10W**	**IAB15W**	**IAB10A**	**IAB15A**
Max. Door Width	1.0m	1.5m	1.0m	1.5m	1.0m	1.5m
Max. Mounting Height	6m					
Height	700mm					
Length	1100mm	1600mm	1100mm	1600mm	1100mm	1600mm
Depth	600mm					
Weight	80kg	120kg	80kg	120kg	80kg	120kg
Heat Output	12/24kW	18/36kW	27kW	41kW	n/a	n/a
Voltage	400V-3PN	400V-3PN	230V-1PN	230V-1PN	230V-1PN	230V-1PN
Supply Rating (A)*	41.0	61.0	6.0	9.0	6.0	9.0
Noise dB (A) ** (High/low Airflow)	70/62	73/63	70/62	73/63	70/62	73/63
Air Volume m^3/h	4500	6900	4500	6900	4500	6900
Max Air Flow m/s	18					

*Amps per phase

**Measured 3m from product, outside airstream

architectural air curtains

the ARC range

Designed to be at home in the most prestigious corporate entrances and reception areas, the new Dimplex ARC range of architectural air curtains suits the most exacting requirements of modern design.

Offered for installation above the door or either side as vertical units, they can be supplied to bespoke requirements and all can be finished to a high standard in either brushed stainless steel, mirror polished stainless steel or coloured to customer preference.

As with all Dimplex air curtains, multiple units can also be linked together as a system and operated from the controller supplied as standard.

Model ARC20E

Energy saving features

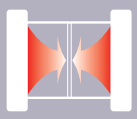
- Reduces building carbon emissions, lowering energy bills and the need to purchase carbon credits under the CRC EES Scheme.
- Automatic control system optimises output based on either ambient temperature, door position (open or closed) or air conditioning mode.
- Fully intergrated links to BMS/BEMS system for centralised energy control.

* may require additional sensors.

Other features

- Choice of mirror polished stainless steel or brushed stainless steel finish to suit modern building design.
- Horizontal or vertical models.
- Designed for horizontal mounting up to 3.75m.
- Electric, water and ambient models available.
- Large door widths can be catered for.
- Modular installation of multiple air curtains possible.
- Built-in drop-rod mounting points.
- Electronic control system with wall mount control over fan speed, heat level and optional door sensors*.
- Electronic fan run-on control.
- Colour finished to customer request.

* dependent on model.



Technical specifications

Model	ARC10	ARC15	ARC20
	Max Horizontal Mounting 3.75m		
Heat Output	12kW	18kW	24kW
Max Air Vol. (Electric)	3000m³/h	4000m³/h	6000m³/h
Max Air Vol. (LPHW & Ambient)	2500m³/h	3500m³/h	5000m³/h
Max Air Velocity	11.5m/s	11.5m/s	11.5m/s
Length*	1200mm	1700mm	2200mm
Height*	450mm	450mm	450mm
Depth*	360mm	360mm	360mm
Weight*	55–65kg	82.5–95kg	110–130kg

***SAMPLE DIMENSIONS ONLY: As these products are bespoke, please ring us on 01489 773336 and we can arrange for your local Dimplex commercial sales manager to contact you.**

portable commercial fan heater

the CFP

A robust, portable fan heater suited for general purpose commercial and light industrial use, providing fast flexible heating wherever and whenever it is needed.

The CFP30 is supplied with integral controls, a floor stand and handle for individual operation with 3kW output.

Model CFP30

Energy saving features

- Integral thermostat.
- Choice of heat settings.

Model CFP30

Other features

- Rugged styling with “chunky” go anywhere appearance.
- Integral fan and heat setting control.
- Integral thermostat.
- Durable floor stand & handle.
- Cool blow, half heat, full heat.

Technical Specifications

Model	Output	Supply	Airflow	Throw	Noise Level	Air-off Temp*	Height A	Width B	Depth C	Weight
CFP30	3kW	220-240V~ 1PN	400m³/h	4.5m	37dB(A)	35°C	448mm	372mm	347mm	7.6kg

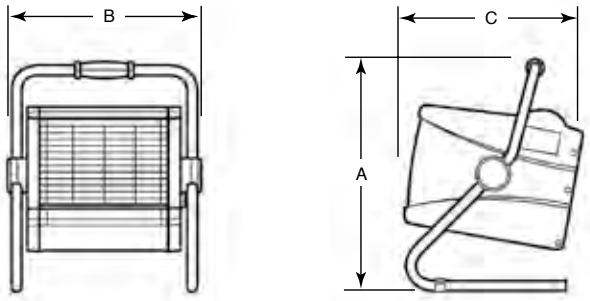
* Calculated at 21°C

Construction/Finish
Finned/sheathed heating elements with rigid steel outlet grille vanes to direct airflow.
Colour: Yellow/Black.

Controls
Integral switching over fan only, half and full heat.
Additional thermostatic control.

Safety
Electrical reset cut-out.

Main Dimensions



compact commercial fan heaters

the PFH range

Perfect for use in garages, workshops, offices, store rooms or almost any small commercial situation.

These heaters are designed to provide unobtrusive heating with automatic thermostatic control and multi-adjustable mounting bracket all included as standard. With performance tuned for maximum heating effect, these heaters are sure to provide an effective and economical heating solution.

The PFH30 model provides 3kW heating output with built-in thermostatic control in a stylish housing that will blend in with its surroundings, whilst the remote control PFH30R adds a wall controller over all heater functions and room temperature levels as standard.

Model PFH30

Energy saving feature

- Thermostatic control standard on all models.

Other features

- New 'stylish' heater design with low noise performance.
- Designed for wall mounting between 1.8m – 2.3m from floor.
- Multi directional wall bracket giving 40° vertical and 120° horizontal adjustment.
- Single screw angle adjustment.
- Remote control supplied as standard with thermostat and full heater control.
- All models have cool blow 'air circulation' setting.
- Grey finish.

Technical specifications

Model	PFH30	PFH30R
Heat Output	3.0kW	3.0kW
Voltage	230V~1PN	230V~1PN
Airflow m^3/h	200	200
Noise dB (A)*	24	24
Max Air Temp**	58°C	58°C
Thermostat	5°C – 35°C	5°C – 35°C
Height	378mm	378mm
Width	230mm	230mm
Depth	226mm	226mm
Weight	1.3kg	1.6kg
Approvals	BEAB	

* Measured at 1m
** Measured at 0.5m

commercial fan heaters

the CFS ranges

A range of robust wall mounted fan heaters suited for general purpose commercial and light industrial use. These models provide fast flexible heating wherever and whenever it is needed.

The CFS wall mounted models are offered in 3kW and 6kW versions, and are styled to complement the Dimplex CAB & DAB range of air curtains. Supplied complete with a wall mounted controller, they provide ample heating for many commercial and light industrial applications.

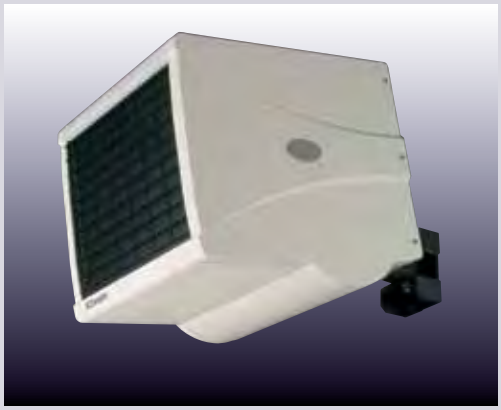
Model CFS30

Energy saving feature

- Heat selection function giving close control over energy usage.

Other features

- Heavy duty corrosion resistant case.
- Multi-directional wall mounting bracket.
- Included wall remote control over cool blow, half heat and full heat settings.
- Single or three phase connection on 6kW CFS60 model.



Model CFS60

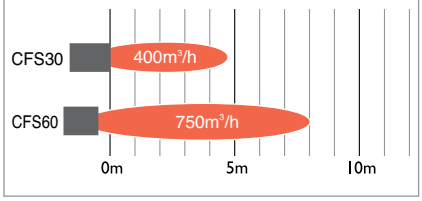
technical specifications

Construction/Finish
Corrosion resistant body with durable finish colour matched to the CAB / DAB air curtains. Finned / sheathed heating elements with rigid steel outlet grille vanes to direct airflow.
Colour: White casing with black grille.

Controls
The CFS30 and CFS60 models are controlled by an included wall remote control over fan and heat settings.

Safety
Electrical reset cut-out (CFS30),
Manual reset cut-out (CFS60)

Diagram showing Relative Airflow and Throw Distances

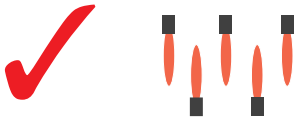


Positioning

INCORRECT POSITIONING

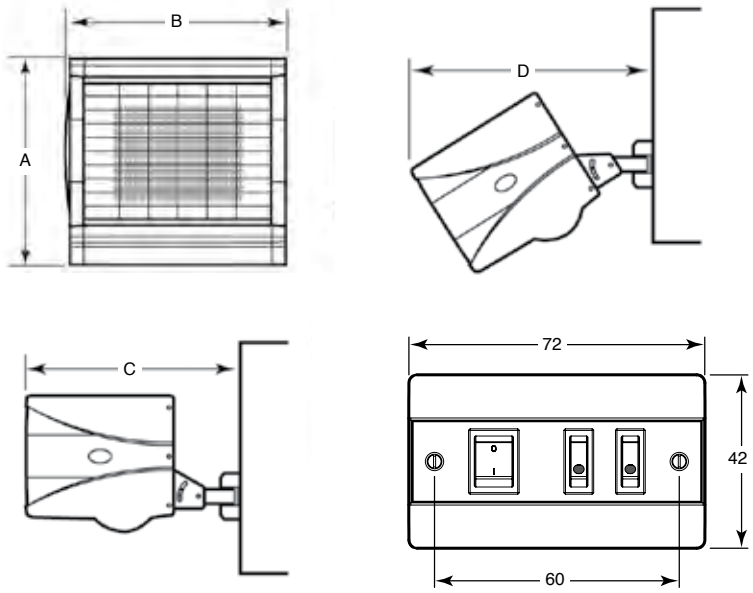
INCORRECT POSITIONING

CORRECT POSITIONING



Heaters should be positioned in relation to one another such that there is no collision of air flows.

Main Dimensions



Model	Output	Supply	Airflow	Throw	Noise Level	Air-off Temp#	Height A	Width B	Depth C	Max Depth D	Weight
CFS30*	3kW	220-240V~ 1PN	400m³/h	4.5m	37dB(A)	35°C	262mm	306mm	495mm	530mm	7.6kg
CFS60*	6kW	220-240V~ 1PN 380-415V~ 3PN	750m³/h	8m	50dB(A)	45°C	360mm	386mm	565mm	630mm	13.5kg

* Controller included # Calculated at 21°C

industrial fan heaters

the CFH range

A range of rugged, high power electronic fan heaters designed to offer a full heating system to larger industrial environments, these wall mounted heaters use powerful centrifugal blowers for a faster airflow in the most challenging of environments.

Offered in 6kW, 9kW or 12kW, the CFH range can be controlled individually or as a system of heaters with the additional wall mounted digital remote (CFCH), with cool blow, heat output and thermostatic control available.

All models in the range can be simply linked together using CAT 5 PC network cable, and have multi-directional wall mounting brackets for the ultimate in ease of installation and control.

Energy saving feature

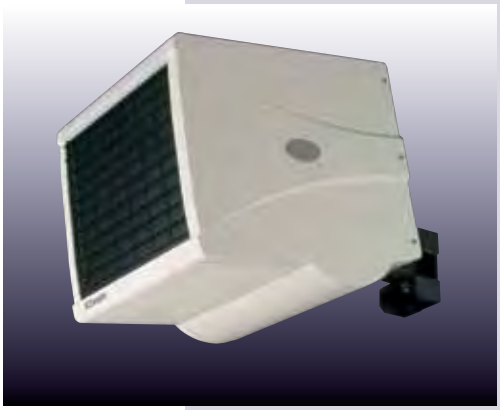
- Digital central control system gives close time and temperature control for optimised energy usage.

Other features

- Heavy duty corrosion resistant case.
- Multi-directional wall mounting brackets.
- Fast airflow with air-off temperatures from 30°C to 60°C.
- Low voltage switch connections.
- Digital heater control.
- Fan over-run facility for maximum heater efficiency.
- On-board electronic control giving balanced 3 phase load at full and half heat.*
- Fan and heat level control.*
- 7 day time and temperature control.*
- Full electronic thermostat for accurate control.*
- Full function system control of up to 10 heaters.*

* All CFH models are controlled via the digital CFCH Controller.

Model CFH90



Model CFH120

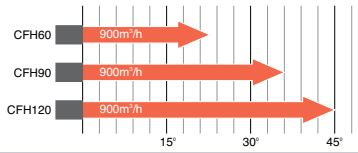
technical specifications

Construction/Finish
Corrosion resistant body with durable finish colour matched to the CAB/DAB air curtain.
Finned/sheathed heating elements with rigid steel outlet grille vanes to direct airflow.
Colour: White casing with black grille.

Controls
No on-board controls.
All CFH models are controlled via the CFCH controller.

Safety
Manual reset cut-out.

Diagram showing Air Temperature Rise from CFH Models

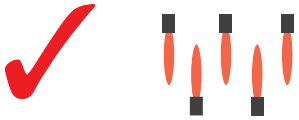


Positioning

INCORRECT POSITIONING

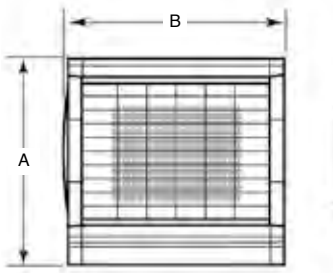
INCORRECT POSITIONING

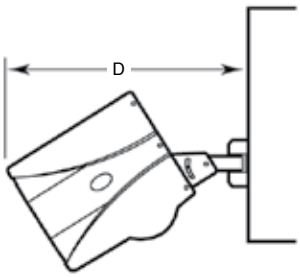
CORRECT POSITIONING

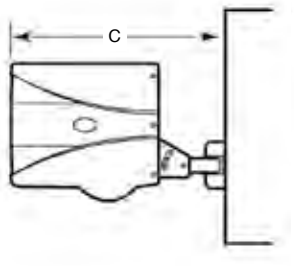


Heaters should be positioned in relation to one another such that there is no collision of air flows.

Main Dimensions





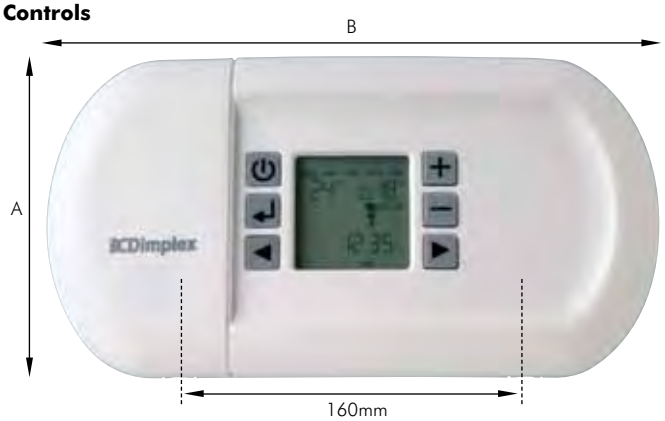


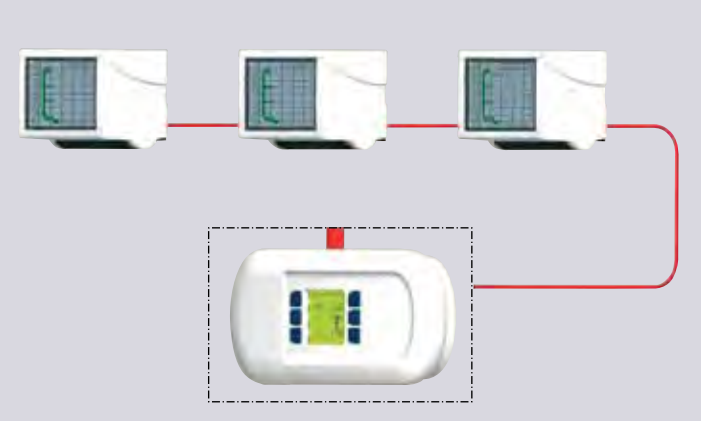
Installed Range – Electronic Units

Model	Output	Supply	Airflow	Throw	Noise Level	Air-off Temp#	Height A	Width B	Depth C	Max Depth D	Weight
CFH60	6kW	220-240V~ 1PN 380-415V~ 3PN	900m³/h	10m	55dB(A)	40°C	360mm	386mm	565mm	630mm	13.5kg
CFH90	9kW	220-240V~ 1PN 380-415V~ 3PN	900m³/h	10m	60dB(A)	55°C	360mm	386mm	565mm	630mm	14.5kg
CFH120	12kW	220-240V~ 1PN 380-415V~ 3PN	900m³/h	10m	60dB(A)	65°C	360mm	386mm	565mm	630mm	14.5kg

Calculated at 21°C

Controls





Model	Max No. heaters	Output	Supply	Cable type	Height A	Width B	Depth
CFCH	10	Low Voltage	220-240V~ 1PN	CAT 5 NETWORK	113mm	217mm	49mm

outdoor patio heaters

the OPH range

With a high quality aluminium case and a choice of outputs, these new patio heaters provide long lasting performance with an attractive modern design, perfect for outdoor dining areas or heating for smokers!

With running costs as low as 17p kWh* and an optional mounting kit for fixed hanging installation or pole/mast mounting, they are truly flexible.

Energy saving features

- Energy efficient heaters that heat people without heating the air around them for a cost effective solution.
- Low energy user (2kW) giving substantially reduced emissions compared to gas heaters.
- Optional passive infra-red switch (see page 100 for details).

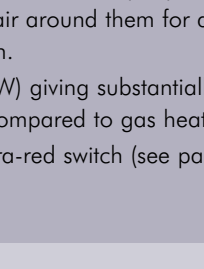
Other features

- High quality aluminium case finished in two-tone silver.
- 1.3kW Quartz Infra-red model.
- 2.0kW Quartz halogen model with "gold" lamp for extended performance.
- Designed and rated for permanent external installations.
- Instant heat – avoiding the need for expensive pre-heating.
- Costs as little as 17p per hour* to run.
- 'In-situ' lamp replacement for minimum downtime.
- Fitted guard included.
- Optional mounting kit for hanging or pole/mast mounting (OPHMK1).

* dependent on tariff

DON'T FORGET

See page 96 for full details on automatic heater controls.

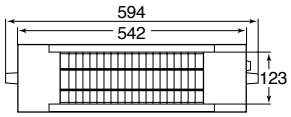


Model OPH20

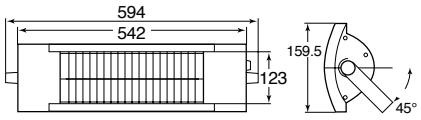
Model OPH13

Technical Specifications

Main Dimensions



OPH13 WITH TWO QUARTZ ELEMENTS



OPH20 WITH ONE HALOGEN ELEMENT

Construction

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

Elements

OPH13 – Quartz infra-red spiral element in transparent silica sleeve.

OPH20 – Quartz halogen gold coated tungsten element in glass sleeve.

Model	OPH13	OPH20
Heat Output	1.3kW	2.0kW
Supply	230V~1PN	230V~1PN
Dims (HxWxDmm)	159 x 594 x 144	159 x 594 x 144
Construction	Aluminium	Aluminium
Element	Infra-red	Halogen
Colour	Silver	Silver
Approvals	CE, IP24	CE, IP24
Min mounting height	1.8m	1.8m
Rec mounting height	2.0 – 2.3m	2.0 – 2.3m
Heat throw at 2m mounting height*	1.7m	2.0
Heat spread at 2m mounting height*	3.0m	3.5

*Heater mounting angle 45° giving 160W/m² output

compact outdoor heaters

the CPH range

Offering slimline dimensions and quick installation via a single adjustable fixing point, the CPH outdoor heaters are perfect in a range of different outdoor settings, having extended IPX5 water protection rating for dependable performance whatever the weather.

There are two models in the range, a 1kW and 1.5kW and both feature the class leading halogen heating element for powerful performance.

Model CPH15

Energy saving features

- Energy efficient heaters that heat people without heating the air around them for a cost effective solution.
- Low energy user compared to gas heaters.
- Optional passive infra-red switch (see page 96 for details).

Other features

- Quartz halogen technology with "gold" lamps for extended performance.
- IPX5 extended water protection for all weather use.
- Designed for permanent external installation.
- Fitted guard included.
- Costs as little as 13p per hour to run.*

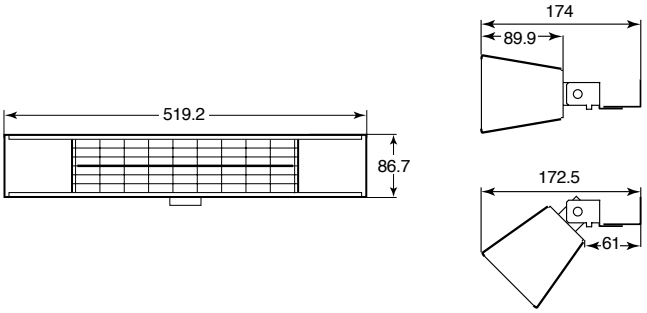
* dependent on tariff

DON'T FORGET

See page 96 for full details on automatic heater controls.

Technical Specifications

Main Dimensions



Model	CPH10	CPH15
Heat Output	1.0kW	1.5kW
Supply	230 – 240V~1PN	230 – 240V~1PN
Dims (HxWxDmm)	87 x 519 x 90	87 x 519 x 90
Construction	Steel	Steel
Element	Halogen	Halogen
Colour	Black & Silver	Black & Silver
Approvals/Ratings	CE, IPX5	CE, IPX5
Min mounting height	1.8m	1.8m
Recommended height	2.0m	2.0m

Quartzray® heaters

the QXD range

Quartz heaters are ideal for heating areas where it would not be practical or cost effective to raise the overall ambient temperature.

They provide the solution to heating areas which might otherwise be considered unheatable, such as factories, workstations, warehouse loading bays, community halls and churches. In fact the possible applications for Quartz heating are almost limitless.

Quartz heaters work by providing a highly directional beam of radiant heat, rather like the heating effect of the sun. The short wavelength at which energy is emitted means that heat passes through the air far more effectively than from conventional heaters. This means heat up time is almost instantaneous and the 'throw' of heat is considerably greater than conventional heating appliances, allowing higher mounting levels.

Model QXD3000

Energy saving features

- Energy efficient heaters that waste no heat directly into the air, but heat people or objects for cost effective heating.
- Allows high heat-loss buildings to be heated cost effectively.
- Optional passive infra-red switch (see page 96 for details).

Other features

- Instant heat – no waiting around or pre-heating needed.
- Low running costs – heats only the area that needs heating, not the whole building.
- Silent operation.
- Compact dimensions, universal bracket and a ruby lamp to provide a warm red glow.

DON'T FORGET

See page 96 for full details on automatic heater controls.

ceramic radiant heaters

the CXD range

Using long-wave infra-red technology, these brand new radiant heaters use ceramic elements to radiate heat with no distracting light output.

Perfect where robust radiant heating is required, these heaters provide a heating effect just like the sun, and can be connected to push switches and PIR sensors for energy saving operation.

Offered in vertical (2 x elements stacked) or horizontal (2 x elements side to side) formats, these 2kW models are ideal "people heaters" without the light output of other radiant heaters.

Energy saving features

- Provides heat to a zone or localised area, saving energy compared with equivalent air heaters.
- Optional passive infra-red switch (see page 96 for details).

Other features

- Robust ceramic elements for efficient radiant heating.
- Silent operation.
- No visible light output.
- Adjustable mounting bracket.
- Can be mounted inside or outside.
- Fitted guard included.
- Choice of vertical or horizontal 2kW models.

DON'T FORGET

See page 96 for full details on automatic heater controls.

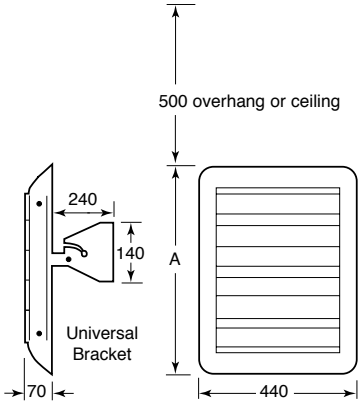
Model CXD2000V

Model CXD2000H

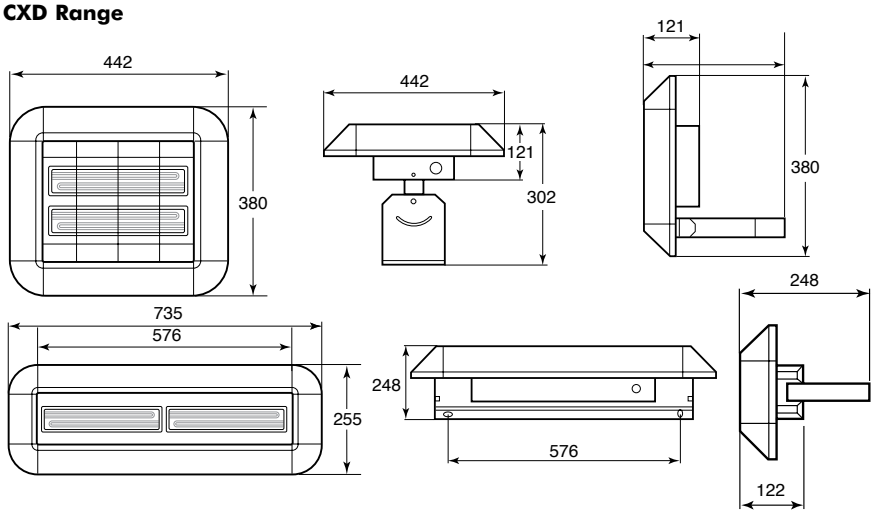
technical specifications

QXD & CXD Range

QXD Range



CXD Range



Elements

QXD – Ruby sleeved halogen lamp with tungsten element.

CXD – Ceramic encased aluminium elements

Body

Powder coated steel. Finished in high temperature matt black. IPX4 on CXD range.

Reflector

Specular quality electrochemically brightened aluminium (purity 99%+).

Electrical Connection

Where used, a type 3 or 'C' MCB with a tripping co-efficient of 7-10 times rated current should be used.

Hazardous Areas

Quartz heaters must not be positioned within hazardous areas. Quartz heaters are not recommended for use in particularly dusty environments.

Element Guard

Chromium plated mild steel fitted as standard on CXD range.

Specifications and Dimensions

Model No.	Input Loading	Number of lamps	Electrical Supply	Dimensions Height	Dimensions Length	Weight	Minimum Height	Recommended Height#	Lamp Guard	Product Guard*
QXD1500	1.5kW	1	230-240V~1PN	256mm	440mm	3.7kg	2.1m	2.5m	QX9310	DXG15
QXD3000	3.0kW	2	230-240V~1PN	380mm	440mm	4.3kg	2.5m	3.5m	QX9311	DXG18
QXD4500	4.5kW	3	230-240V~1PN	506mm	440mm	5.8kg	3.0m	4.0m	QX9312	DXG17
CXD2000V	2.0kW	2	230-240V~1PN	380mm	442mm	5.35kg	1.8m	2.0m	–	–
CXD2000H	2.0kW	2	230-240V~1PN	255mm	735mm	5.1kg	1.8m	2.0m	–	–

*Available from Norfolk Industries on (tel) 01603 667957 or (fax) 01603 624265. #Calculated at medium intensity (95W/m²).

automatic heater controls

the DX4130 PIR Controller

The ideal solution where occupancy is variable.

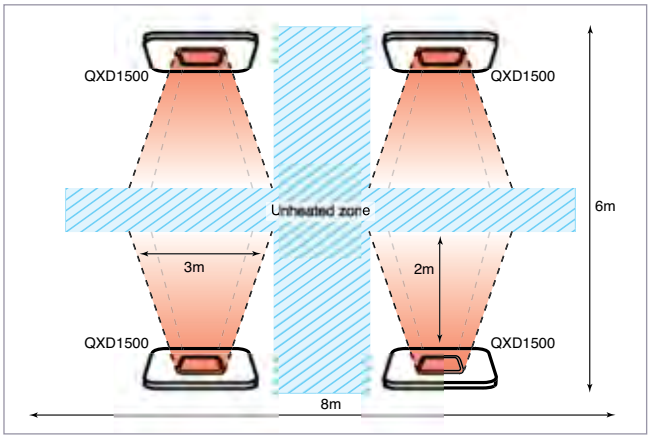
The PIR sensor offers even greater energy savings by turning heaters off when no activity is detected in their zone. They are suitable for use with all the Dimplex radiant heaters with output up to 3kW and can be installed in external or internal locations with confidence.

Range features

- Automatically switches the heater on or off depending on activity.
- IP54 rated for permanent external use.
- Full 180° coverage over 15m if required.
- Time delay adjustment (10 seconds to 21 minutes).
- Size of detection area can be reduced.
- Compatible with all Dimplex electric radiant heaters up to 3kW output.

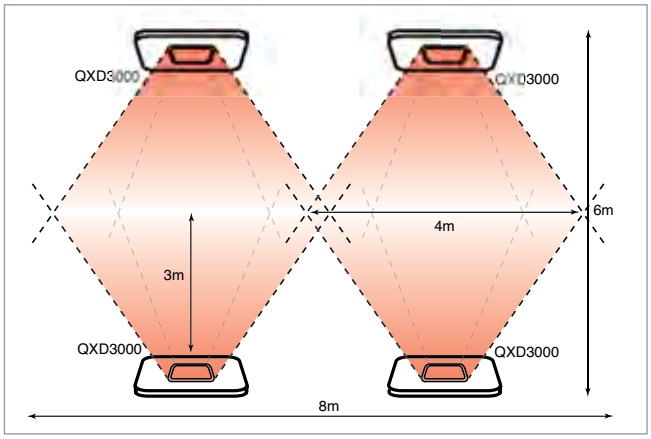
Positioning, Coverage and Throw – QXD and CXD ranges

✗ INCORRECT POSITIONING



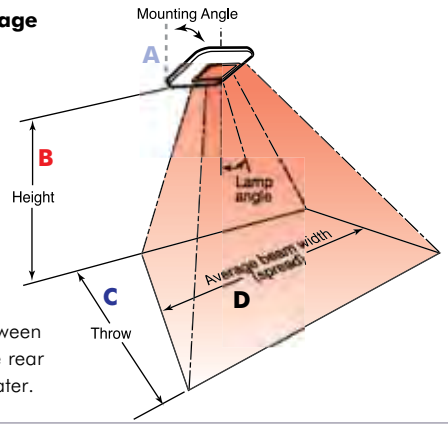
Heaters must be installed so they overlap heated areas and heat from both sides for optimum effect.

✓ CORRECT POSITIONING



All heaters must always be mounted on a secure surface.
Do not ever attempt to touch the heater when on as injury may occur.

Heater Coverage



Mounting angle is the angle between the wall and the rear panel of the heater.

QXD Spread & Throw Chart

	QXD1500		QXD3000		QXD4500	
Height B	**Throw C**	**Spread D**	**Throw C**	**Spread D**	**Throw C**	**Spread D**
2.1m	2.5m	2.5m				
2.5m	3.4m	3.7m	4.2m	4.0m		
3.0m	4.5m	5.2m	5.0m	4.5m	5.0m	5.0m
3.5m			5.7m	5.7m	6.0m	6.1m
4.0m			6.4m	6.2m	7.1m	6.9m
4.5m					8.2m	7.8m

A All figures are for 45° mounting angle (for 30° mounting angle increase throw by 1.75 x)

CXD Spread & Throw Chart

	CXD2000H		CXD2000V	
Height B	**Throw C**	**Spread D**	**Throw C**	**Spread D**
1.8m	1.8m	1.3m	1.6m	1.1m
2.0m	2.0m	1.4m	1.8m	1.3m
2.3m	2.2m	1.6m	1.9m	1.4m
2.5m	2.4m	1.8m	2.1m	1.6m
2.7m	2.5m	1.9m	2.3m	1.7m

A All figures are for 45° mounting angle

QXD Heat Intensity
- High intensity (120 W/m²)
- Medium intensity (95 W/m²)
- Low intensity (70 W/m²)

Key
- Inactive (churches / dressing rooms)
- Light work (workshops / desk working / despatch areas)
- Heavy work (factories / loading bays / open air construction)

CXD Heat Intensity
- High intensity (80 W/m²)
- Medium intensity (65 W/m²)
- Low intensity (50 W/m²)

Note: All the above applications are dependent on the area heated and the heat-loss within the building structure. Please contact our heating design service with your requirements.

fan convector heaters

the WFC and WFE ranges

With a powerful 3kW maximum output, the WF range provides rapid response heating with accurate temperature control, making the heaters ideal for commercial use in areas such as shops, offices, restaurants and waiting areas.

Both WFC and WFE models are thermostatically controlled and draw room temperature air through the front panel and blow warm air out of the concealed grille underneath. This sets up a very effective circulation of air in the room for rapid warm-up and to maintain stable comfort conditions.WFE electronic models provide the additional benefit of fully automatic control over the heat output level.

Both models are available in a choice of modern or traditional finishes, making them suitable for installation in a variety of environments.

Model WFE3TNS

Energy saving feature

- WFC – Accurate thermostatic control.
- WFE – Automatic heat selection reduces energy use whilst maintaining optimum performance, comfort and economy.

WFC Range features

- Powerful 3kW maximum output.
- Choice of 1kW, 2kW or 3kW output settings.
- Frost protection setting.
- Fan only facility for air circulation in summer.
- Fine mesh filter for incoming air to reduce dust particles in the indoor environment.
- Neon indicator showing mains connection.
- Choice of silver or black finishes.

Model WFC3NB

WFE Range features

- Powerful 3kW maximum output.
- Electronic thermostat, providing highly accurate temperature control.
- Automatic selection of output (1kW, 2kW or 3kW).
- Frost protection setting.
- Programmable dual mode electronic timer (24hr/5+2day).
- Fine mesh filter for incoming air to reduce dust particles in the indoor environment.
- Choice of silver or black finishes.

technical specifications

Controls

WFC3NB/S
- Variable thermostat, range 5°C to 35°C.
- Function selector switch for Off, Fan Only (low speed), Fan Only (high speed), 1kW, 2kW or 3kW outputs.
- Neon indicator shows mains connection.

WFE3TNB/S
- Variable thermostat, range 5°C to 35°C.
- On/Off switch – heat output is automatically selected (1kW, 2kW or 3kW) dependent on heat requirement.
- 7 day electronic timer with 4 operating modes:
  - Manual – Off
  - Manual – On
  - Auto – 7 day block
  - Auto – 5 & 2 day blocks (weekdays and weekend)

  4 time periods per block.
  Manual advance facility.

Construction
Pressed steel front panel and base.

Colour/Finish
WFC3NB/WFE3TNB: black stove enamelled body with cherry effect end panels.
WFC3NS/WFE3TNS: satin silver enamelled body with black painted end panels.

Elements
One 2000W and one 1000W helically wound fully strung open coil element.

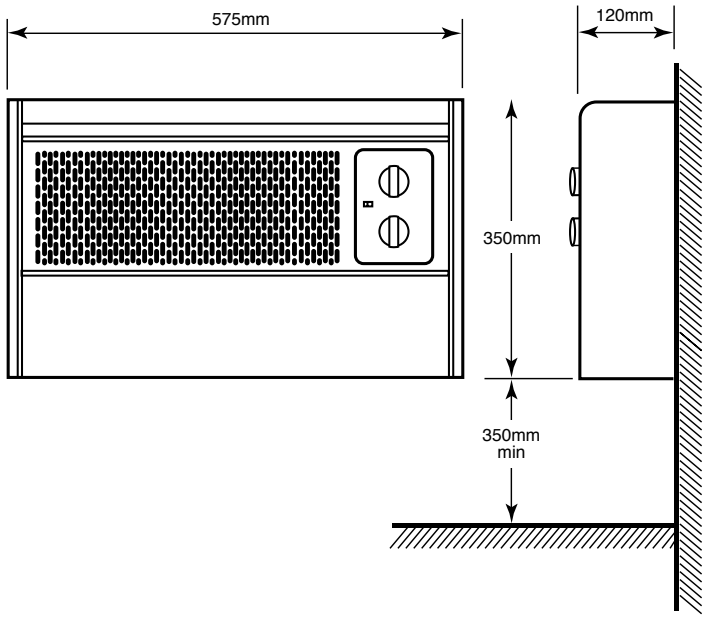
Fan
Very low noise tangential fan.
Airflow (max) 22 litres/sec (79.2m³/h).

Safety protection
Auto reset over temperature cut out.

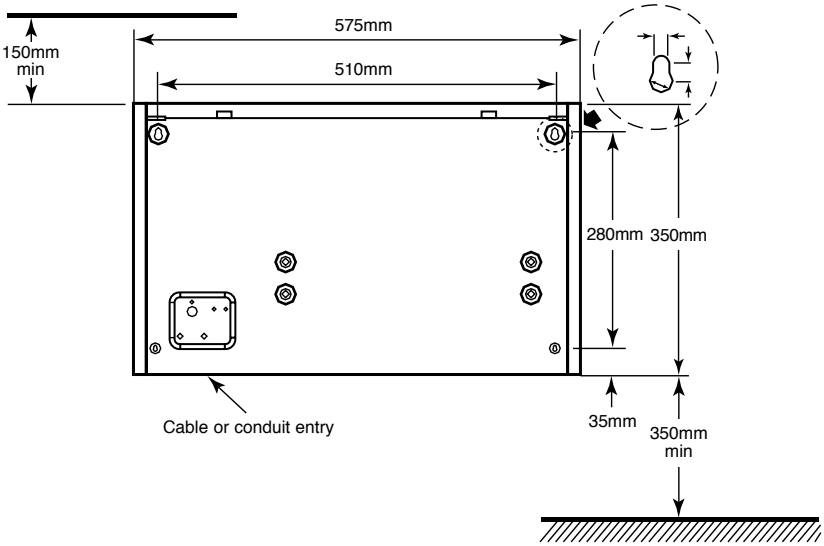
Installation
Keyhole mounting slots in rear panel.

Electrical
Cable not supplied. Designed for flexible cable connection to the fixed wiring of the premises.

General Dimensions



Fixing Dimensions



Model	Loading	Height	Width	Depth	Weight
WFC3NB WFC3NS	3.0kW	350mm	575mm	120mm	6.6kg
WFE3TNB WFE3TNS	3.0kW	350mm	575mm	120mm	6.6kg

high output fan storage heaters

the VFMi range

The VFMi range of high output fan storage heaters has the capacity and controllability to cope with the demands of larger environments and commercial premises.

Exceptionally high heat retention gives low static case discharge and accurate responsive output is provided by the thermostatically controlled fan.

Efficient control of room temperature

A thermostatically controlled, quiet fan moves air through the hot storage core to the low-level outlet grille providing rapid room temperature lift and controlled discharge of the stored heat.

At the air outlet grille hot air from the core is automatically mixed with room temperature air to ensure an even air output temperature. The thermostat has its sensor situated in the base of the heater adjacent to the air inlet side of the fan for maximum accuracy. The integral thermostat also provides close control over temperatures in large open plan office areas where localised hot or cold spots (such as those caused by electrical equipment or corridors) create 'micro-environments'. For even greater control the fan circuit may be linked to a separate timer.

Model VFM32i

Energy saving feature

- Highly accurate thermostat for close control over retained heat.

Other features

- Ideal for offices, hotels, community rooms, halls and larger homes.
- Loadings from 3.4 to 6.9kW.
- Frost protection setting.
- Manually adjustable input charge control.
- Controls conveniently positioned on the top right-hand side of the heater.
- Simplified assembly – supplied with secure wall fixings.
- Optional direct acting elements available.
- Accessory feet available for use on uneven surfaces or thick carpets (only applicable when heater is fixed to wall).
- Suitable for use on all off-peak tariffs.

technical specifications

Internal Details

1 Storage Core
Material: High density bonded magnesite bricks.

2 Heating Elements
Type: Incoloy sheathed, 3 elements per heater.

3 Thermal Insulation
Front and Rear Panels
– microporous silica.
Top – microporous silica.
Base and sides – vermiculite.

4 Supply Connection
Located at right hand side to rear of heater – accessible by removal of side panel assembly. Note – Heat resistant cable required for connection to heater.

5 Installation
A secure wall fixing is required for all heaters with suitable connection to the fixed wiring of the premises.

Construction Details

Galvanised sheet steel base, mounted on pressed steel feet. Side panels, front panel/air outlet grille assembly and inner skin removable for brick loading.

Controls

1 Charge Controller
Type: Hydraulic, manually adjustable from zero charge to fully charged condition.

2 Thermal Safety Device
Type: Bi-metal – automatic reset.

3 Output Control
Type: Integral room temperature sensing hydraulic thermostat fitted at installation stage. Accurate to ±1°C. Temperature range approximately 5°C to 30°C. On/Off switch for fan. On/Off switch with neon for direct acting heating element (option).

IP Rating

N/A.

Electrical Supply

240V single phase (415V 3 phase option may be selected on installation).

Packing

1 Case Assembly
VFM24i – approx. weight 44kg.
VFM32i – approx. weight 51kg.
VFM40i – approx. weight 57kg.
VFM48i – approx. weight 63kg.

2 Storage Bricks
Packed separately in packs of 3 (see table for weight of product with bricks). Pack Part No. 007781 approx. weight 16.7kg.

Finish

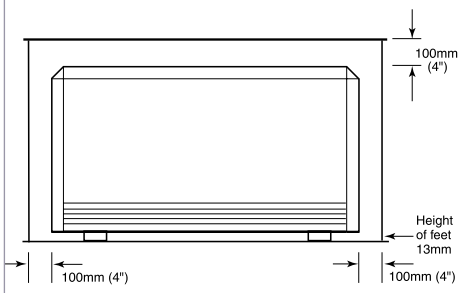
Front panel, top panel, side panels – RAL9016 – Traffic White. Grille – Birch Grey.

Accessories

Feet: Part No. SHF25i.
Direct Acting Elements for retro-fit or on heater installation.
Blanking Plugs for Control Locking (Part No 9534).

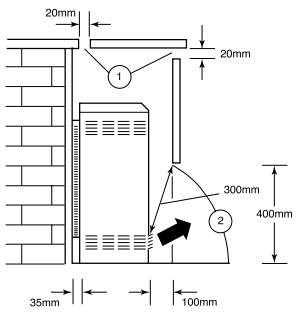
Minimum clearance below shelf, overhang:

Minimum clearances of 100mm above and to both sides of the heater must be maintained.



Partly concealed by Fascia panel:

NB. Air ducts 1 and 2 must be maintained



Model	VFM24i	VFM32i	VFM40i	VFM48i
Performance Input Rating	3.4kW	4.6kW	5.7kW	6.9kW
Charge Acceptance 7 hr	24kWh	32kWh	40kWh	48kWh
Heating Elements/Fans				
No. of elements/rating (Off-peak supply)	3 x 1130W	3 x 1530W	3 x 1900W	3 x 2300W
Fan rating (On-peak supply)	15W	15W	25W	25W
Dimensions				
Height	672mm	672mm	672mm	672mm
Width	776mm	926mm	1076mm	1226mm
Depth (inc. 35mm wall spacer)	285mm	285mm	285mm	285mm
Weight (installed)	138kg	177kg	216kg	255kg
No. of storage bricks	18	24	30	36
Brick packs	6	8	10	12

Optional Direct Acting Element	Input Rating	Suitable for Fan Storage Heater Model VFM24i	VFM32i	VFM40i	VFM48i
zHi 070E	0.7kW	✓	✓	✓	✓
zHi 110E	1.1kW		✓	✓	✓
zHi 150E	1.5 kW			✓	✓
zHi 200E	2.0 kW			✓	✓

✓ = installation possible

warm air heating

the Electricaire range

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

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

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

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

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

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

Energy saving feature

- Due to its unique shape, Electricaire holds up to 85% of its retained heat into a second day, making it highly economical.

Other features

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

technical specifications

Controllability

A tamperproof cover conceals user controls, located on the front panel. There is a variable input control to adjust the charge acceptance between minimum and maximum to suit changing weather conditions. The user can manually control a quiet two speed fan by selecting either normal or boost fan speeds.

A day energy switch enables on-peak energy to provide supplementary warm air delivery when heat in the core is depleted.

This facility is only available on the Economy 7 commercial tariff. In commercial applications an external time clock may be fitted to give complete control and ensure fan operation ceases at close of business. Connection to an external thermostat provides additional control by regulating the operation of the fan to maintain comfort conditions.

Heating Element

Kanthal D iron/aluminium alloy sheathed in quartz tubes.

Thermal Insulation

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

Supply

Units can be connected to 240V ac single phase or 415V ac three phase.

Units may operate on all cheap rate tariffs.

Connection of main supply is via DIN connectors complete with linking bars to enable single phase / three phase choice to be made on site. Internal wiring incorporates a plug-in linking block to allow different wiring/ tariff options to be selected on site.

Every unit is therefore capable of being wired on site to cover the following configurations:

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

Cabinet

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

Air Filter

A washable polyester filter is located in the detachable filter frame at the front of the unit.

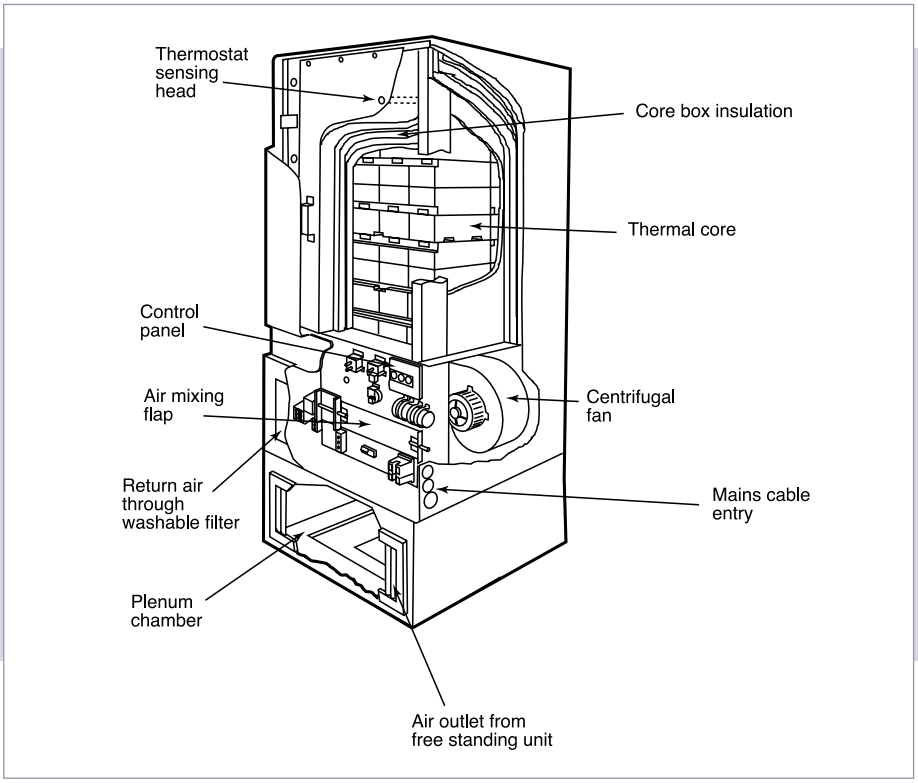
All live and moving parts are completely screened by a fixed mesh when the filter is removed.

Plenum Chamber Kit (PLEN/12)

For all new installations a Plenum Chamber Kit will be required at extra cost. Complete with 3 air register grilles, this additional component measures 625mm x 600mm (including flanges) with a height of 303mm.

Ducting

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



Model No.	R7*	R8*	R10	R12	R15
Rating	4x1.643kW	5x1.643kW	6x1.643kW	7x1.643kW	9x1.643kW
Active Storage Capacity	47kWh	55kWh	73kWh	84kWh	104kWh
Case Emission	700W	700W	750W	850W	950W
Core Weight	385kg	385kg	385kg	457kg	611kg
Assembled Weight	482kg	482kg	482kg	600kg	754kg
Dimensions (including / excluding plenum chamber)					
Height	1603/1300mm	1603/1300mm	1603/1300mm	1753/1450mm	2053/1750mm
Width	615mm	615mm	615mm	615mm	615mm
Depth	635mm	635mm	635mm	635mm	635mm
Fan Performance (m^3/h)					
Normal	625	625	625	710	872
Boost	777	777	777	896	1090
Back Pressure (M Bar)	0.15	0.15	0.15	0.15	0.25
Day Boost Facility Element Rating	2x1.643kW	3x1.643kW	4x1.643kW	5x1.643kW	7x1.643kW

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

We recommend this unit is professionally installed by one of our Electricaire installers. Please see our website for more information.

Flameproof heaters

the FXPH range

An ATEX-certified range of flameproof heaters providing the ideal solution for safe heating in Zone 1 and Zone 2 areas exposed to explosion hazards.

Applications may include: oil and gas installations/ chemical works/petrochemical plants/aircraft hangars/ fuel servicing areas.

* Please note: This heater is NOT suitable for use in zone O.

Model FXPH1

Model FXPH2

Range features

- Approved to ATEX Directive 94/9/EC for use in hazardous zones 1 and 2.
- Ⓔx 11G EEx d IIB T2 Protection.
- Steel tube with steel fins for maximum heat transfer.
- Terminal box welded to steel tube.
- Two supports for horizontal wall mounting.
- Removable heating element.
- Single or double tier models.
- Accessory guards available.
- No user controls included.

Technical Specifications

Type of Protection

Ⓔx II 2 G EEx d IIB T2.

Approvals

In accordance with ATEX Directive 94/9/EC: 1994
BS EN 60079: 2006
BS EN 60079: 2004
BASEEFA Certificate Nos.
03ATEX0431 – Single tier
03ATEX0432 – Double tier

IP Rating

IP44.

Cable Entry

Single 20mm tapped entry as standard.

Accessories

Wall mounted guards FXPH42G and FXPH60G are available for use with these heaters.

Definitions

EEx – Electrical Apparatus for potentially explosive atmospheres.

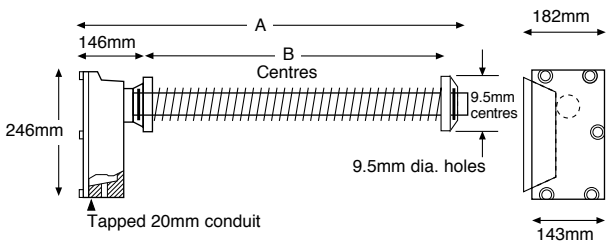
d – Flameproof enclosure 'd' (EN50018:2000).

IIB – For industries other than mines where explosive atmospheres caused by gases, and vapour are likely to occur, and where the source of the explosive atmosphere is covered by classification "B".

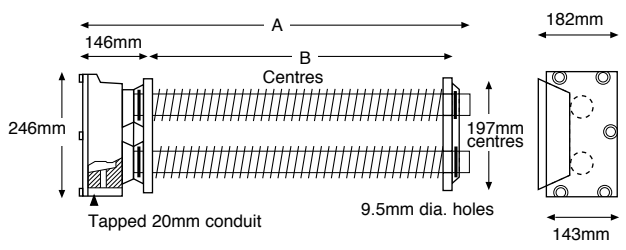
T2 – Ignition temperature >300 deg°C
The surface temperature of any equipment installed must be below the lowest ignition temperature of the explosive gas/gases or vapour mixture present.

II 2 G – Non-mining applications, Group II, Category 2 for use in gas/ vapour/mist atmosphere.

FXPH1 Dimensions



FXPH2 Dimensions



Model No.	Loading	Voltage	Height	Width (A)	B	Weight	Temp.
FXPH1/42/750	0.75kW	240V	246mm	1067mm	870mm	14.7kg	T2
FXPH1/60/1000	1.0kW	240V	246mm	1524mm	1327mm	16.4kg	T2

Model No.	Loading	Voltage	Height	Width (A)	B	Weight	Temp.
FXPH2/42/1500	1.5kW	240V	246mm	1067mm	870mm	20.3kg	T2
FXPH2/60/2000	2.0kW	240V	246mm	1524mm	1327mm	23.6kg	T2

Air warmers

the HAW range

Air warmers are extremely robust heaters designed for a wide variety of industrial applications.

Built to last in arduous surroundings, the Dimplex air warmer will often be found in industrial locations requiring a long lasting, heavy duty heater that can be operated via separate controls.

Model HAW1000N

Range features

- Large number of fins give large heating surface.
- Strong, robust and very reliable.
- Now comes complete with guard.

Technical Specifications

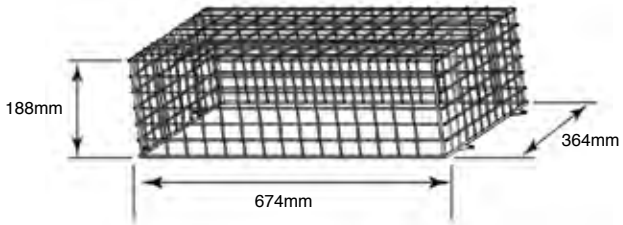
Electrical Connections
20mm cable entry as standard with cable gland fitted.

Construction
Cast iron body. Black stove enamelled.

Guard
A wall mounted guard is now supplied as standard and it is recommended this is used on all installations.

Dimensions

Guard for Air Warmer Dimensions



Model No.	Loading	Voltage	Width	Depth	Height	Fixing Width	Fixing Depth	Weight
HAW 1000N	1.0kW	240V	470mm	207mm	115mm	449mm	179mm	14kg

Dimplex EC eau

the EC-Eau™ unvented cylinder range

Dimplex EC-Eau cylinders provide all the hot water required for the modern home, providing rapid fill baths and invigorating showers to en-suite bathrooms and other domestic appliances simultaneously.

Energy saving feature

- 60mm of CFC/HCFC free injected foam insulation
  - Exceeds "CHESS" best practice standard for low heat loss
  - Completely void free, including insulation around immersions and thermostats

User features

- Mains pressure hot water
- Fast filling baths
- Powerful invigorating showers
- Simultaneous supply of water to all bathrooms and domestic appliances
- No cold water storage tank required, freeing valuable living space
- Long life, low maintenance hot water supply
- Sustainable materials - high percentage by volume recycled (excluding insulation)
- Backed by a big name in domestic heating.

Installer features

- Duplex stainless steel inner cylinder with 25 year guarantee
- Hard wearing, flexible, damage resistant outer cladding produced from 100% recycled material (HIPS/ABS)
- No sacrificial anode
- CFC/HCFC free foam injected insulation
- Lightweight for easy handling to site
- Surface mounted thermostats and sensors for easy installation and maintenance/replacement
- All connections accessible from the front
- Supplied complete with inlet safety group and external expansion vessel

EC-Eau direct cylinder range

EC-Eau indirect cylinder range

kiwa approved product
UK BUILDING REGULATIONS

kiwa approved product
UK WATER SUPPLY REGULATIONS

25 year cylinder guarantee

technical specifications

Materials
- Inner cylinder - Duplex stainless steel
- Outer casing - Black HIPS/ABS (from recycled materials)
- Inlet/outlet - Stainless steel
- Coils - Corrugated stainless steel
- Insulation - 60mm PU foam (GWP=1, ODP = 0)

Max Operating Conditions
- Potable water temperature - 70°C
- Heating water temperature - 90°C
- Operating pressure - 3bar

Cold Water Supply
- Minimum dynamic pressure - 1.5 bar
- Maximum pressure - 12 bar
- Minimum flow rate - 15L/min

Connections
- Cold water inlet - 22mm stainless steel
- Hot water outlet - 22mm stainless steel
- Coil flow/return - 22mm / 28mm stainless steel
- Sensor - surface mounted
- T&P valve - ½" F BSP
- Immersion heater - 1¾" F BSP

Immersion Heaters
- Indirect - 1
- Direct - 2 (1 on 100L)

Thermostatic Control
Indirect
- 1 x integrated surface mounted twin thermostat
- 1 x integrated immersion heater thermostat and thermal cut out

Direct
- 2 x integrated immersion heater thermostats and thermal cut out (1 on 100L)

Safety Components
- Pressure reducing valve and strainer - 3 bar
- Expansion relief valve - 6 bar
- T&P valve - 7 bar / 90°C
- Factory pressure tests - 12 bar
- Expansion - external

Approvals
- KIWA

Guarantee
- Inner cylinder - 25 years
- Immersion heaters - 2 years excluding the effects of limescale
- Other components* - 2 years

**excluding expansion vessel membrane*

Model	Dimensions							
	Height (mm)	Diameter (mm)	T&P valve (mm)	Coil Return (mm)	Coil Flow (mm)	Thermostat (mm)	Immersion 1 (mm)	Immersion 2 (mm)
INDIRECT								
ECSi100-580	810	580	580	190	325	430	208	-
ECSi125-580	960	580	730	190	325	430	208	-
ECSi150-580	1130	580	900	190	325	430	208	-
ECSi175-580	1280	580	1050	190	405	430	208	-
ECSi210-580	1504	580	1275	190	405	430	208	-
ECSi250-580	1780	580	1550	190	405	430	208	-
ECSi300-580	2080	580	1850	190	405	430	208	-
DIRECT								
ECSd100-580	810	580	580	-	-	-	208	-
ECSd125-580	960	580	780	-	-	-	208	570
ECSd150-580	1130	580	900	-	-	-	208	650
ECSd175-580	1280	580	1050	-	-	-	208	750
ECSd210-580	1504	580	1275	-	-	-	208	820
ECSd250-580	1780	580	1540	-	-	-	208	1265
ECSd300-580	2080	580	1850	-	-	-	208	1495

All measurements are from the bottom of the cylinder to the centre of the component

Model	Performance								
	Capacity (litres)	Weight Empty (kg)	Weight Full (kg)	Coil Size (kW)	Coil Surface Area (m^2)	Expansion Vessel (l)	Number of Immersions	Reheat (mins)	Heat loss in 24hrs (kW/24hr)
INDIRECT									
ECSi100-580	100	23	120(+)	14(*)	0.5	12	1	22(*)	0.9(y)
ECSi125-580	125	26(+)	150(+)	14(**)	0.5	12	1	28(**)	1.0(y)
ECSi150-580	150	30(+)	180(+)	14(**)	0.5	12	1	33(**)	1.2(y)
ECSi175-580	175	33(+)	210(+)	18(**)	0.8	19	1	29(**)	1.3(y)
ECSi210-580	210	38(+)	252(+)	18(**)	0.8	19	1	34(**)	1.4(y)
ECSi250-580	250	43(+)	300(+)	18(**)	0.8	24	1	41(**)	1.7(y)
ECSi300-580	300	47	360(+)	18(*)	0.8	24	1	49(*)	1.9(y)
DIRECT									
ECSd100-580	100	20	120(+)	-	-	12	1	88	0.9(y)
ECSd125-580	125	23(+)	148(+)	-	-	12	2	130(~)	1.0(y)
ECSd150-580	150	26(+)	177(+)	-	-	12	2	156(~)	1.1(y)
ECSd175-580	175	30(+)	207(+)	-	-	19	2	182(~)	1.3(y)
ECSd210-580	210	34(+)	248(+)	-	-	19	2	218(~)	1.4(y)
ECSd250-580	250	40(+)	295(+)	-	-	24	2	259(~)	1.7(y)
ECSd300-580	300	45	348(+)	-	-	24	2	313	1.9(y)

(*) Measured in accordance with EN12897-2006 at 80°C flow temperature and 0.25 l/s flow rate.
(**) Calculated - based on measurements made in accordance with EN12897 at 80°C flow temperature and 0.25 l/s flow rate.
(~) Calculated - based on measurements made in accordance with EN12897
(+) Calculated value.
(y) Heat loss figure calculated based on measured surface temperatures. Indicative only.

solar PV

the DXPV range

Dimplex Renewables' solar photovoltaic range brings together high efficiency polycrystalline PV modules with an inverter, mounting system and generation meter to create a complete solution for residential and light commercial properties.

Ideal for both new build and retrofit projects, the systems protrude less than 200mm above the roof so are classed as a permitted development in both England and Scotland and as such do not require planning permission in non-conservation areas. The PV packs use MCS-certificated hardware so are eligible for the Government Feed in Tariff incentive when properly installed by a MCS accredited installer. The PV module also has an impressive 10 year warranty.

At a glance

- Choose from pre-configured kits or individual system components - whatever suits your individual project
- Produces renewable electricity directly from daylight
- Can provide around 50% of a typical domestic household's annual electricity needs
- Significantly reduces energy costs and building CO_2 emissions
- Future proofs against expected energy price increases
- Meets planning requirements for renewable energy
- Feed In Tariff provides guaranteed income for every kWh produced
- Custom system design service for larger systems
- Accessories including energy generation displays available
- MCS certified – eligible for Feed In Tariffs

Product features

- Uses an MCS-certificated Dimplex Renewables DXPVM230P6-30 module with output of 230W.
- High performance photovoltaic module made of polycrystalline silicon cells with a module efficiency of 14.2%.
- Excellent reliability:
  - Product warranty of 10 years on pv module
  - 25 year performance guarantee
    - 5 years: 95% of rated peak output
    - 10 years: 90% of rated peak output
    - 15 years: 85% of rated peak output
    - 25 years: 80% of rated peak output
- Easy installation with all the parts required included within the kit.
- Inverter conforms with G83 grid connect standard.
- Suitable for MCS-certificated installations.
- MCS-compliant owner's manual included.

Please visit www.dimplexrenewables.co.uk for detailed product information or to order a copy of our comprehensive brochure.

technical specifications

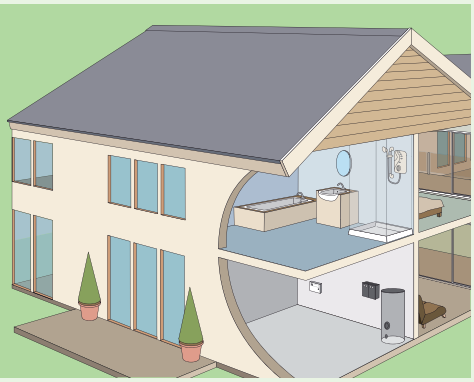
Model	DXPVM230P6-30 Based		Number of Modules		
Product Code	Output (kWp)	Area (m^2)	Total	Rows	Columns
DXPV138/230/2/3	1.38	10.04	6	2	3
DXPV184/230/2/4	1.84	13.39	8	2	4
DXPV207/230/3/3	2.07	15.06	9	3	3
DXPV230/230/2/5	2.3	16.73	10	2	5
DXPV276/230/2/6	2.76	20.08	12	2	6
DXPV276/230/3/4	2.76	20.08	12	3	4
DXPV276/230/4/3	2.76	20.08	12	4	3
DXPV345/230/3/5	3.45	25.10	15	3	5
DXPV368/230/2/8	3.68	26.77	16	2	8
DXPV368/230/4/4	3.68	26.77	16	4	4
DXPV414/230/3/6	4.14	30.12	18	3	6
DXPV460/230/2/10	4.6	33.46	20	2	10
DXPV460/230/4/5	4.6	33.46	20	4	5
DXPV552/230/4/6	5.52	39.05	24	4	6

Kit Contents
MCS certificated polycrystalline photovoltaic panels
G83 approved inverter
Generation meter
Roof mounting system including all rails, clamps, connectors and roof anchors, options for tile or slate roofs
2 x 10m connecting solar cable
AC/DC isolators
Installation manual

Inverter	G83 approved
Roof Mount	Aluminium rail kits
Meter	Elster A100 (Ofgem approved)
Isolator	DC and AC isolators
Documentation	Owners manual

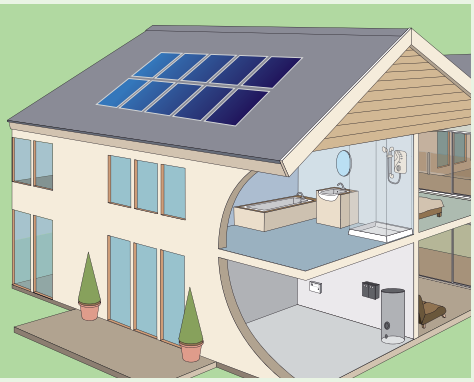
Optional Extras
Installation and commissioning training
Project design and commissioning services

What Clean Energy Cashback means



Domestic property without Solar PV

Income from Solar PV: £0/yr
Income from exported elec: £0yr
Annual elec bill: £462/yr
Total Elec Cost: £462/yr
Total CO_2 emissions: 1419kg/yr



Domestic property with 10 panel/2.1kWp PV system

Income from Solar PV: £727/yr
Income from exported elec: £26/yr
Annual elec bill: £227/yr
Total Elec Credit: £526/yr
Total CO_2 emissions: 697kg/yr

Total Solar PV Benefit:
£727 + £26 + £235 = £988/yr
Total CO_2 saving:
1419kg – 697kg = 722kgCO_2/yr

Long term benefit:

Installation cost	**£10,000**
Total system income over 25 years:	**£24,700**
Total profit over 25 years:	**£14,700**

Solar thermal hot water

Solar energy is available in abundance all around us. Every year the sun provides 8000 times more energy than we consume globally ready for use whenever you need it.

Solar water heating systems harness solar radiation to efficiently and effectively heat water stored in a cylinder, ready for use whenever you need it.

Solar systems comprise of three key elements which are highly versatile enabling them to be used for a variety of applications from small apartments to large commercial installations.

Collector

1

Roof mounted or free standing, the collector captures solar radiation from the sun and passes it on a working heat transfer fluid.

Heat transfer system

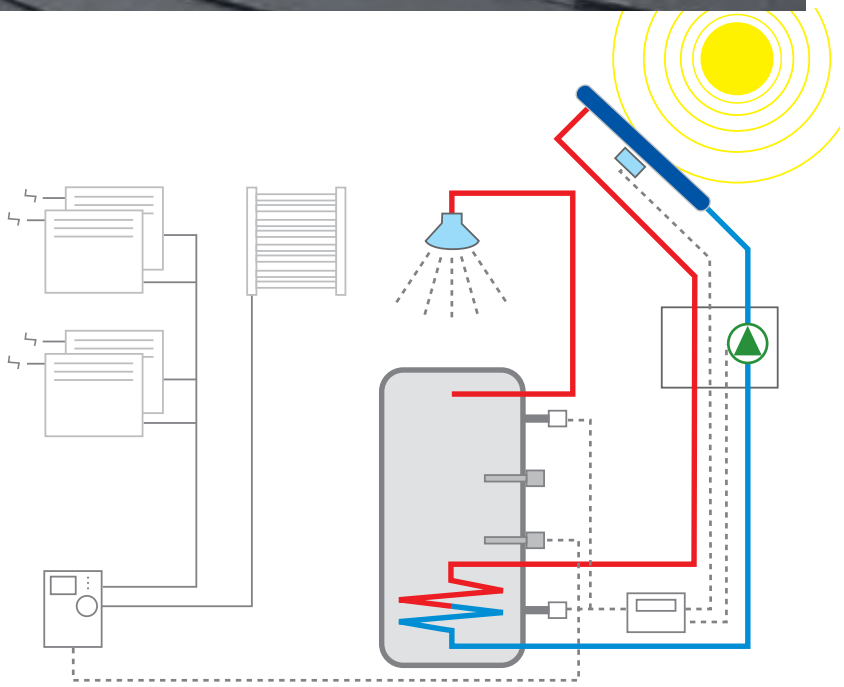
2

The pump station, controlled by the control unit, moves the captured solar energy from the collector to the water storage cylinder.

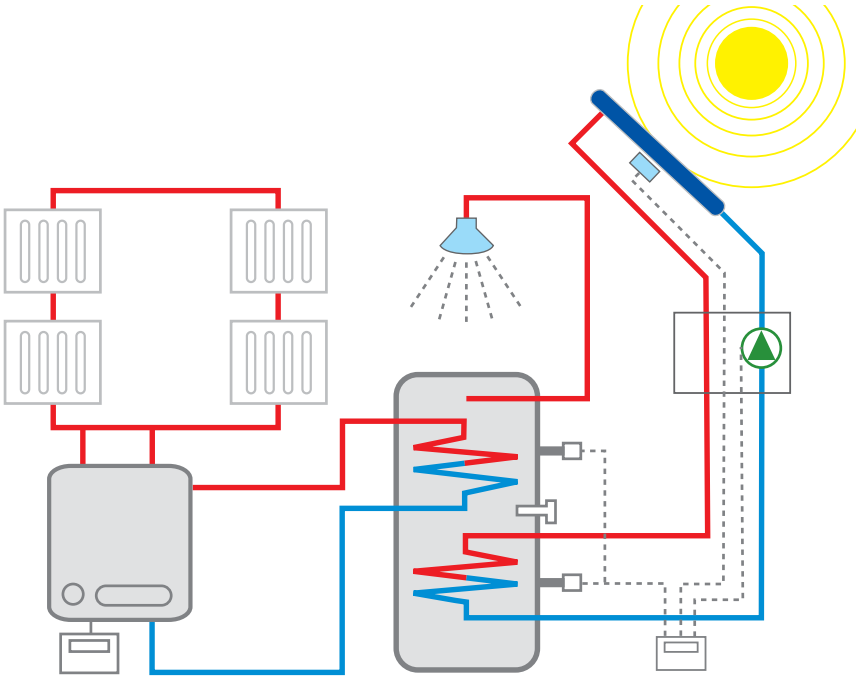
Storage cylinder

3

Energy from the heat transfer fluid is transferred to the stored water via a coil heat exchanger. The cylinder has a supplementary heat source to provide back up for times when insufficient solar energy is available.



Solar Thermal with direct electric heating



Solar Thermal with a secondary heat generator

Please visit www.dimplexrenewables.co.uk for detailed product information or to order a copy of our comprehensive brochure.

Dimplex solar packages

Dimplex solar hot water packages combine all the necessary components into easy to purchase kits. This makes specification and purchase easy, giving confidence that every component has been carefully selected for its quality and suitability for the UK climate. With a range of cylinder sizes suitable for each property and a selection of roof mounting options, the Dimplex solution has an answer for every solar water heating requirement.

Roof kit packages

- Choice of high efficiency or evacuated tube collector kits.
- On roof mounting for plain tile, corrugated tile or slate roofs or coach bolts.
- Integrated roof mounting for tile or slate roofs with optional flashing kits to cover visible pipe work - SOLC220 collector only.
- Free standing panels for flat roofs or ground level mounting.

Hydraulic packages

Suitable for the majority of domestic application systems with a static height up to 7m, includes:

- Pump station.
- Over volt box.
- Control unit.
- Heat transfer fluid.
- 4 way wiring centre.
- Expansion vessel and fixing kit.

Range of cylinders

- Available with single coil and dual immersions for direct electric systems or dual coils for use with a secondary heat source (such as a boiler). Sizes available – 175, 210, 250 and 300 litres.
- An external expansion maximises the amount of water stored.

A complete range of accessories is available to make installation and maintenance quick and easy including pre-insulated flexible hoses, flow meters and heat transfer fluid testing kits.

The SST 25 module allows integration of solar thermal with heat pumps. This solution is ideally suited for properties with high summer water usage compared to the standard heating load such as a well insulated house or sports clubs.

1st Fix Kit
(Flat plate collector)

2nd Fix Kit

heat pumps

Our environment is full of energy, even at sub-zero temperatures. Heat pumps use conventional refrigeration technology to extract this energy and raise it to a temperature suitable for heating purposes.

For Dimplex, there's nothing new about renewables. From our manufacturing plants in Northern Ireland and Germany, Dimplex produces the widest range of heat pumps available on the UK market and leads the way in the development of energy efficient heat pump technologies.

Depending on the product and project, the heat pump may be eligible for a grant under the Renewable Heat Incentive (RHI) scheme.

Please visit www.decc.gov.uk for more information.

One system for all types of heat sources

Dimplex heat pumps offer you three different future-proof heat sources, outside air, the ground or water.

Air Source heat pumps utilise the outside air as their energy source. Heat pumps can even extract heating energy from the outside air at temperatures as low as -25°C.

Ground source heat pumps extract heat from the earth all year-round via ground heat collectors buried beneath the ground.

Water-to-water heat pumps extract thermal energy from the ground water. If the supply is readily available and the quality is sufficient, ground water is the most efficient source of heat.

The benefits of Dimplex heat pumps

Social Housing

- Ideal for stock refurbishment projects as a means to meeting Decent Homes standards and tackling fuel poverty, particularly in off gas areas.
- Significant CO_2 emission savings over other fuels, helping compliance with higher levels of the Code for Sustainable Homes.
- Negligible maintenance requirements.

Housing Developments

- Up to 50% CO_2 savings over fossil fuelled systems helps with Building Regulations Part L / Code for Sustainable Homes compliance.
- Meet local planning authority requirements to incorporate renwable energy in new buildings (Planning Policy Statement 22 / "Merton Rule").
- Make a significant contribution towards high EPC scores.
- Highly marketable "Eco" credentials and low end-user running costs for heating / hot water.

Flats and Apartments

- Multiple high output units commonly linked together to provide central plant space/water heating for multi-occupancy dwellings.
- Up to 50% CO_2 savings over fossil fuelled systems helps towards Building Regulations Part L / Code for Sustainable Homes compliance.
- Significant cost reduction over installing individual heat pumps in each apartment.
- Efficiency benefits of communal systems recognised by SAP.

Self Builders

- 50% lower CO_2 emissions than gas boilers, so help make a significant contribution towards Building Regulations Part L compliance.
- High renewable energy contribution so helps ease planning consent.
- Requires electrical infrastructure only, ideal for off gas-grid areas.
- Makes a significant contribution to lower home energy bills.
- Can be used for energy-efficient swimming pool heating in summer months.

Education

- Ongoing schools building programmes can benefit from systems that improve environmental footprint and reduce running and operational costs.
- Able to meet governmental targets for 60% renewable energy in new schools projects.

Retail and Commerce

- Meet the local authority requirements to incorporate renewable energy within the energy profile of new buildings (Planning Policy Statement 22 / "Merton Rule").
- Significant CO_2 savings over fossil fuelled systems help towards building regulations compliance.
- Many developers investing in "green" buildings with low energy costs knowing they can attract premium rent/lease values.
- Ability to provide energy efficient heating and cooling from a single system optimises capital investment.

Leisure and Residential

- Typical uses include swimming pool heating, hot water production, space heating and cooling.
- Reversible units with heat recovery ideal for utilising waste heat for swimming pool or water heating.
- Multiple air source units commonly linked together to provide central plant space/water heating for multi-occupancy dwellings such as care homes.

Public and Community

- Dimplex heat pumps are already installed in a wide range of public and community buildings, both new build and refurbished, allowing them to benefit from lower fuel bills and reduced CO_2 emissions
- Typical installations include:
  - Visitor centres
  - Village halls
  - Community centres
  - Emergency service buildings (fire stations, mountain rescue centres, lifeboat stations)
  - Libraries
  - Places of worship

Please visit www.dimplexrenewables.co.uk for detailed product information or to order a copy of our comprehensive brochure.

the range

	Air Source							Ground Source						
			Nominal Rating kW	Indoor or Outdoor	Phase	WPM controller	Max Flow temp			Nominal Rating kW	Indoor or Outdoor	Phase	WPM controller	Max Flow temp
High Temp		LIH TE	22-26	I	3	✓	75		SIH MEK	9	I	1	✓	70
		LA PS	17-26	O	3	✓	65		SIH ME	4-11	I	1	✓	70
		LA HS	9-26	O	3	✓	65		SIH TE	20-40	I	3	✓	70
		LA PMS	8-14	O	1	✓	65							
Integrated Hydraulic components		LIK ME	8	I	1	✓	58		SIK ME	11-16	I	1	✓	55
		LIK TE	8	I	3	✓	58		SIK TE	11-16	I	3	✓	55
Heating & Hot Water		LA MS	9-16	O	1	✓	55		SI ME	5-14	I	1	✓	58
		LI ME	11	I	1	✓	58		SI TE	17-130	I	3	✓	58-60
		LI TE	16-28	I	3	✓	58							
		LA AS	20-28	O	3	✓	55							
Heating & Cooling		LA MSR	11	O	1	✓	55		SI MER	5-11	I	1	✓	58
		LA ASR	16	O	3	✓	55		SI TER+	30-75	I	3	✓	55
		LI TER+	11-16	I	3	✓	55		SI TUR+	130	I	3	✓*	TBA
High Efficiency		LA TU	9-60	O	3	✓*	58-65							
Inverter Driven		LA MI	6-16	O	1	X	55							
Swimming Pools		LAS MT	10-15	O	1	X	40							
		LAS TT	22	O	3	X	40							

Heat Pump accessories:

- Domestic hot water cylinders
- Buffer cylinders
- Hydraulic system accessories
- Heat pump manager
- SmartRad
- Passive cooling
- Solar integration
- Ground collector circuit manifolds and accessories

* WPM EconPlus heat pump manager

packages

The new Dimplex air source heat pump packs are designed to help simplify system choice for installers by combining all the necessary components into pre-configured kits.

The packages incorporate a choice of 3 different system options and include a choice of heat pumps from 8 – 16kW to provide a complete heating and (depending on package) domestic hot water solution. The packages are suitable for both new and existing homes as either the sole supply of home heating and domestic hot water or to work alongside an existing heating system, and include all the necessary system components, including buffer tanks, circulating pumps, controls and choice of the new Dimplex EC-Eau stainless steel unvented cylinders.
Please contact us for more details

SmartRad®

the SRX fan convector range

Dimplex SmartRad wall mounted fan convector radiators provide a controllable, responsive and energy efficient alternative to under floor heating for use with heat pump systems.

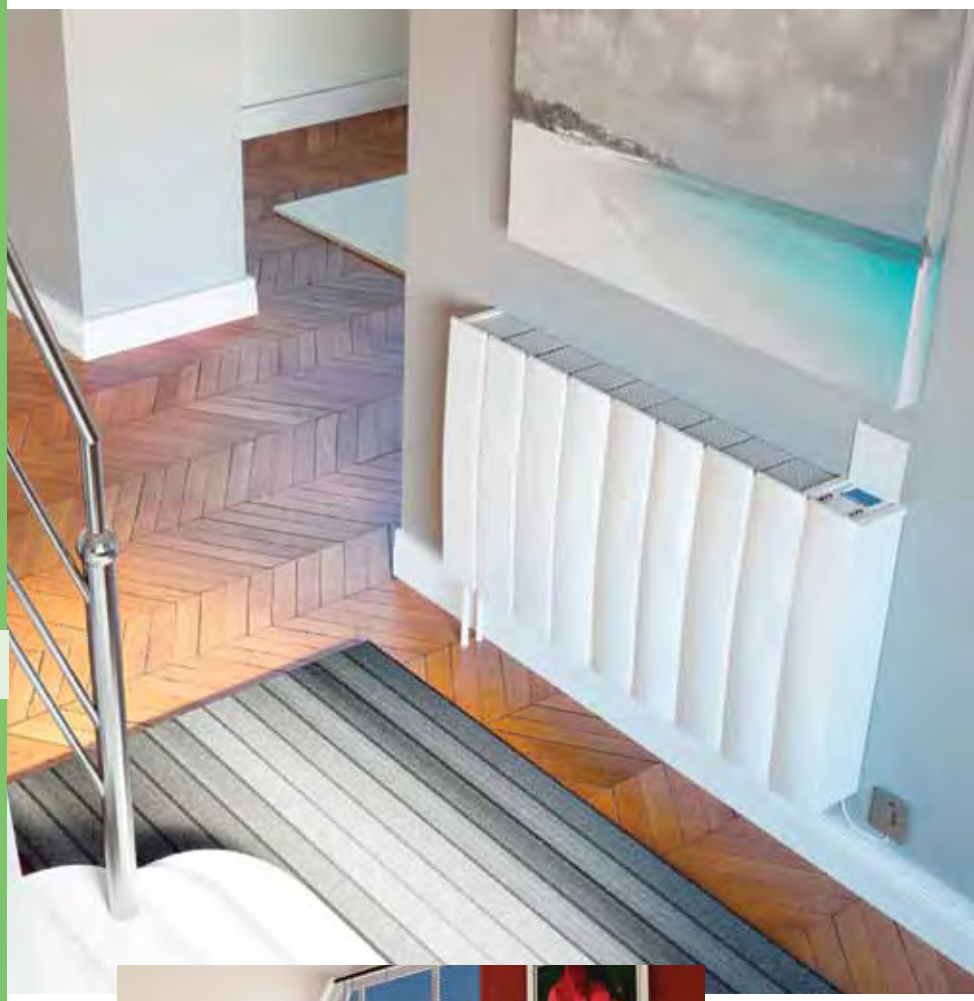
Containing only 5% of the water volume of a conventional steel radiator, SmartRad's low thermal mass allows it to heat up 4x more quickly and react more responsively to changes in room temperature, meaning improved control, comfort and energy saving.

SmartRad is also optimised for use with heat pumps by achieving excellent performance at water heating temperatures as low as 40°C.

SmartRad is ideal for retrofit installations in place of conventional radiators or in new buildings instead of or in conjunction with underfloor heating.

Range features

- Stylish design, with a choice of metal or glass fronts
- Energy efficient alternative to conventional radiators
- Cost effective, practical alternative to underfloor heating
- Designed for low water temperature operation:
  - Optimises heat pump CoP
  - Reduces heat pump system running costs
  - Reduces heat pump system CO_2 emissions
  - 3½ times less wall space required than a conventional radiator
- Low thermal inertia due to ultra-low water content allows energy saving through:
  - 4 x faster room heat up time and 70% less energy consumption than a standard radiator with comparable output to bring a room from 10°C to 21°C
  - Responsive reaction to incidental heat gains (e.g. solar gain) prevents over heating and energy wastage
- Individual heater temperature control
  - Close tolerance electronic thermostat providing automatic control over fan speed output
  - Delivers high levels of comport through improved room temperature stability
- Optional plug in 24 hour or 7 day programmers



SRX180M

SRX white

SRX black

technical specifications

Operating limits	SRX080	SRX120	SRX140	SRX180
Heating water system/return °C	Max 85 / Min 15 at 150 l/h			
Performance	*at medium fan speed and air inlet temp of 20°C			
Heating capacity* mean water flow temp 40°C (kW)	0.6	0.9	1.1	1.5
Heating capacity* mean water flow temp 45°C (kW)	0.8	1.1	1.4	1.8
Heating capacity* mean water flow temp 50°C (kW)	1.0	1.4	1.7	2.2
Heating capacity* mean water flow temp 55°C (kW)	1.1	1.6	2.0	2.6
Heating capacity* mean water flow temp 60°C (kW)	1.3	1.8	2.3	2.9
Sound pressure level at 1m dB (A)				
Low	26			
Medium	29			
Boost	36			
Airflow rate				
Low (m^2/hr)	60	100	120	160
Medium (m^2/hr)	125	190	225	300
Boost (m^2/hr)	228	345	410	540
Dimensions (mm) HxWxD	530x503 x145	530x670 x145	530x740 x145	530x911 x145
Weight (kg)	13	16	18	23
Power input (W)				
Low	17	22	26	24
Medium	20	32	40	35
Boost	27	47	60	53
Standby power	1W			
Nominal voltage/fuse rating (V/A)	~230 / 3			
Hydraulic connections	15mm left and/or right hand connection or from rear			
Water content (l)	0.31	0.43	0.48	0.60
Cable supplied	1 metre			

Finish	Nominal Output kW			
	0.8	**1.2**	**1.4**	**1.8**
White Metal	SRX080M	SRX120M	SRX140M	SRX180M
White Glass	SRX080WG	SRX120WG	SRX140WG	SRX180WG
Black Glass	SRX080BG	SRX120BG	SRX140BG	SRX180BG

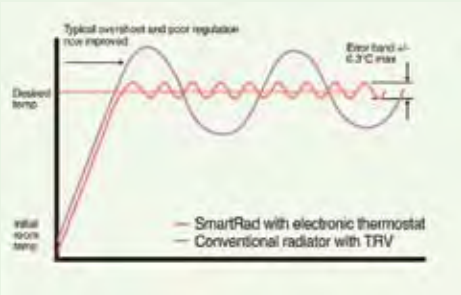
Please visit www.dimplexrenewables.co.uk for detailed product information or to order a copy of our comprehensive brochure.

Electronic temperature control

Each Dimplex SmartRad features its own onboard electronic thermostatic control, providing accurate individual room temperature control and superior comfort and operating efficiency.

As the room temperature nears the desired set point, fan speed is reduced, and the room temperature closely monitored to an accuracy of less than 0.3°C, minimising overshoot and temperature drift, resulting in better energy-efficiency through less fan power usage and improved user comfort.

Low thermal inertia also results in fast room heat up and response to incidental heat gains.



Optional plug-in programmers control room temperature output based on occupancy pattern (24 hour or 7 day options).

After Sales Service

After sales service if required is absolutely no problem with Dimplex – we have a network of appointed Service Engineers spread throughout the country who are qualified and trained to repair or service any of our appliances. Please visit **www.dimplex.co.uk/support** for further details.

Bathrooms

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

Portable heaters are NOT suitable for use in a bathroom.

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

Safety

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

(Please see page 40 for details of accessory guards.)

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

Specifications

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

Plugs

All portable appliances are supplied with a fitted plug.

BEAB Approved

British Electrotechnical Approvals Board BEAB Approved

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

CE Mark

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

CE

Installation Guidance

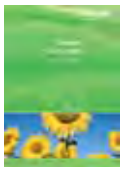
This brochure is designed to assist you with your choice of Dimplex products and it is not intended as an installation guide.

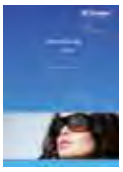
For safety, products should only be installed by a competent person, in accordance with current regulations and the manufacturers instructions. If you require further advice concerning the installation of our products – especially where the installed dimensions may be critical to your choice and the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

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

The Dimplex Range

Dimplex offers the widest range of electric space, water heating and renewable solutions in the UK. In addition to this publication, we have a number of more focused brochures. Choose from:


Heat pumps brochure


Solar heating brochure


SmartRad® brochure


Solar PV brochure


Commercial brochure


Electric fires brochure


Solid fuel stoves brochure

Cylinder brochure

Information on these products and copies of the brochures can be found at www.dimplex.co.uk

www.dimplex.co.uk

As well as product information, our website provides a host of useful information including:

- Dealer listings
- Installation/Operating instructions for current and discontinued products
- Information on how to get a repair
- Heating design guides
- Help me choose selectors
- Videos of Opti-myst and Optiflame electric flame effects
- Latest news and events

This information is available to you instantly and at your convenience, and we would encourage you to visit **www.dimplex.co.uk** whenever possible.

CPD MEMBER Construction CPD Certification Service

REGISTERED MEMBER ECA
ECA Industry Member

FSC www.fsc.org MIX From responsible sources FSC® C006405

Dimplex®
A world of expertise

Dimplex, Millbrook House, Grange Drive, Hedge End, Southampton, SO30 2DF. Telephone: 0845 600 5111
For Northern Ireland please contact – Glen Dimplex N.I. Limited, 5 Charlestown Avenue, Charlestown Industrial Estate, Charlestown Road, Craigavon, Co. Armagh, BT63 5LF. Telephone: 02838 337317

D1509/0611