

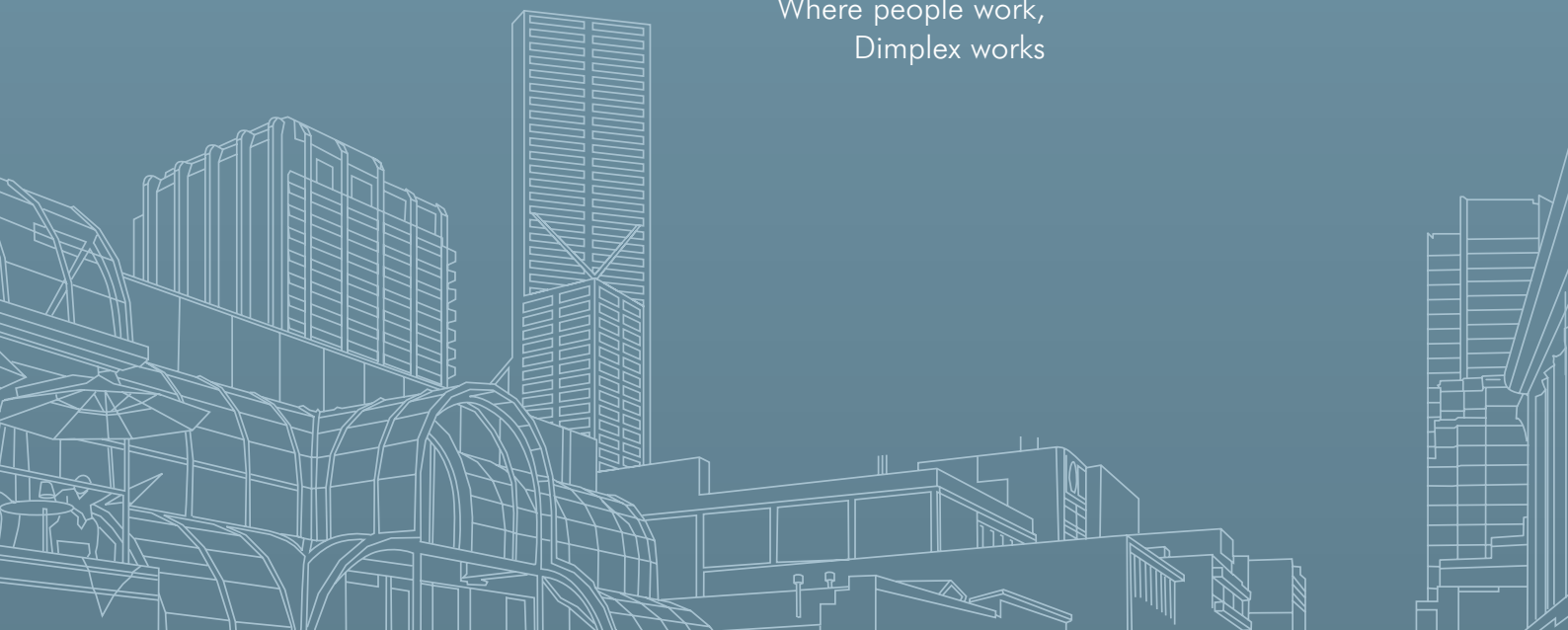
October 2009

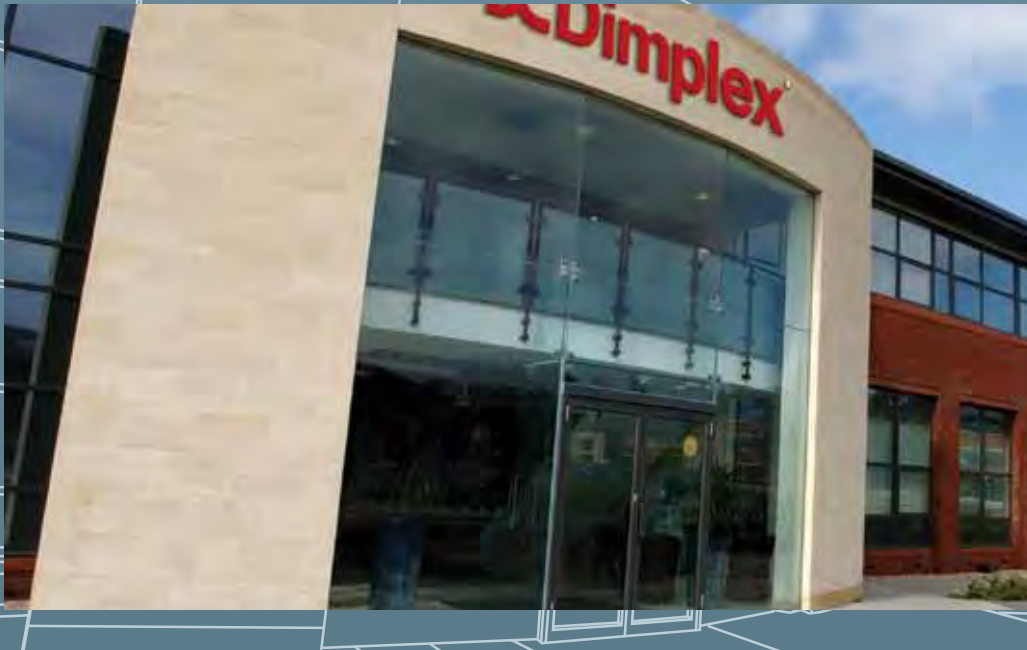
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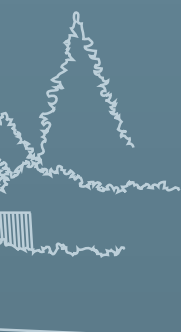
Dimplex in the commercial environment

Where people work,
Dimplex works





"Wherever you go across
the country, you'll find
Dimplex. In shops,
supermarkets, offices,
airports – in fact almost
anywhere from hotels
to hospitals, schools to
surgeries, warehouses
to waiting rooms."



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where people work, Dimplex works

A Greener Future

With the need to reduce carbon emissions hitting the headlines almost on a daily basis, it's good to know that at Dimplex finding solutions to this problem is at the heart of our products, present and the future.

Legislation in the form of the European Performance of Buildings Directive (EPBD) which seeks to reduce carbon emissions from

buildings, combined with the knowledge that over 40% of the carbon emissions in the EU come from the building stock, means it's important to ensure both buildings and the services within, the heating, air conditioning and ventilation systems are designed and installed to give energy efficient performance.

Building Regulations

In the UK building regulations set out the minimum standards and in particular, when it comes to heating in the commercial sector, it's Part L2, which covers new build and refurbishment. Part L sets challenging targets for the fabric of the building and the equipment used and importantly, requires a holistic approach with the whole building looked at as part of the compliance process, rather than just the building services once the structure is in existence. It's this change of approach, coupled with a number of proposed updates which shows the emphasis is squarely on a process that leads to a zero carbon goal in 2019 for all commercial buildings.

However, these regulations are not the only factor affecting businesses today. Other recent government initiatives include the introduction of the Energy Performance Certificate which is to be issued to buildings when sold, leased or rented and highlights the structure's carbon performance, and, for public buildings, there is a requirement for a Display Energy Certificate that must be prominently positioned for all to see. In addition many commercial organisations are now pressing ahead by requesting BREAAAM ratings that show best practice as a method of gaining an advantage in the commercial sector too.



Products & Solutions for today and tomorrow

At Dimplex, we are acutely aware of the need to create products that are not only good to look at, easy to operate and economic to run, but also help minimise energy wastage. For example, our range of air curtains combine powerful fan performance to create a barrier between internal and external areas thereby lowering heat losses, whilst sophisticated controls reflect door usage patterns through the doors – intelligently regulating output accordingly.

However, the onus for improving the efficiency of products extends beyond the working environment into the way we live. The Energy Using Products Directive (EuP) further encourages good product design, the use of recyclable materials in production and the need to eradicate product features that needlessly consume energy – like the stand-by switch on TVs and other electrical equipment. Our designs always consider appropriate levels of control which preserve simplicity of operation, yet maintain close control to reflect usage patterns and guard against wasted energy use. Our commercial and industrial fan heater ranges, for example, cover a wide range of potential applications from small workshops to large warehouses

where simplified local controls placed close to the user for frequent adjustment over output is required, through to large installations where a central control system can be timed and placed under lock and key and the heating needs can be predicted, thereby keeping a better check on energy use.

The Dimplex range doesn't just reflect the need to heat the air within a building space, there are many applications where this method is inappropriate due to the building structure or the activities carried out within. It's in these environments that radiant heaters which transmit energy as short-wave infra-red are ideal and are highlighted as appropriate heaters within the building regulations too. An example would be the use of one of the Dimplex radiant heaters to create a smaller zone of heat within a larger building space. Here, the heaters heat the subject without energy wasted to the surrounding air and can be further enhanced by fitting a PIR activity sensor to give a very effective yet efficient solution.

Water Heating

Energy efficiency is not limited to space heating and air movement, a significant impact can be made by selecting the right water heaters too. With a wide range of water cylinders available

in the Dimplex range, you can be sure there is a Dimplex commercial cylinder available for many types of commercial applications too.

Renewable Solutions

An increasingly important component of realising the goal of reduced CO₂ is the need to continue to develop and implement new technologies. With building regulations looking for at least 10% contribution from low or zero carbon technologies, Dimplex has a comprehensive range of ground, air and water source heat pumps and with grants available to encourage the take-up of these new technologies, the future is definitely bright.

In addition, the Dimplex solar thermal heating systems can also be considered for commercial installations where the cost of heating can be further reduced by either complementing other systems or used separately.

It's this wide range of products and technologies now offered by Dimplex that not only brings choice but also, when combined together to reflect usage and activity, provides an effective solution to rising energy costs whilst adhering to regulations to preserve our planet.



tried and tested solutions

With 60 years' experience, Dimplex has provided heating, air movement and hot water solutions for commercial installations, large and small, across the country. And as you would expect from the market leader we are experienced in working with architects, developers, contractors and builders to provide solutions to suit each installation. Here is a brief overview of a few installations we have completed.



Giraffe

Giraffe

Giraffe is a funky restaurant chain offering everything from breakfast to late-night cocktails, so the atmosphere requires high levels of hygiene as well as needing to continually feel fresh. In the Milton Keynes restaurant, Giraffe selected a CAB15E air curtain to keep out draughts and pollutants, and to match the fun interior design, the unit was bespoke powder coated to a fawn colour.



Somerfield

Somerfield

For Somerfield, Britain's fifth-largest supermarket chain, the high volume of fresh food it sells means that control over the internal environment is essential. For a store refurbishment and extension in Wareham, Dorset, surface-mounted CAB15E air curtains with energy saving thermostatic control were specified for an effective curtain of air between the interior of the shop and the external environment.



Extra MSA Services Ltd

Extra MSA Services Ltd

Extra MSA Services Ltd uses the CAB air curtain range at a number of its service areas to keep out the noise, pollution, dust and cold draughts of the motorway. The automatic doorways at these sites are open for much of the day, but the services benefit from the flexibility of the modular air curtains, using both 1m and 1.5m long units fitted in pairs, to cover doorways ranging in size up to 3m wide.



The Outlet

The Outlet

Jaeger, Pilot, Julian Graves and Regatta are among the well known brand names at Belfast's The Outlet designer shopping centre that have chosen Dimplex CAB and DAB air curtains to provide an invisible barrier of air to keep either warm or cold air in when doors are frequently opened.

The shopping centre attracts high footfall from a wide catchment and many of the stores needed assistance to improve indoor air quality, minimise draughts and dust and maintain a warm welcome within the store.

Dune Shoe Shop

For a trendy Dune shoe shop in South Molton Street, London, time and flexibility in fitting a new air curtain were of the essence, as the installation was during the busy Christmas shopping season, so it had to be installed overnight to allow for normal trading the next day. Dimplex was specified for the air curtains as no other manufacturer's product offers the dual flexibility option of recessed or surface mounting from one single model. The retail designer had specified the doorway width and a Dimplex CAB15ER unit was selected to give the best coverage of the entrance.



Dune Shoe Shop

Healthy Living Centre

Heralded locally as a flagship demonstration of how green technologies can be used to the benefit of a whole community, the new £8m Healthy Living Centre in Staveley, Derbyshire has installed Dimplex ARC architectural air curtains as part of an extensive list of energy saving measures. These bespoke air curtains were the ideal choice for this project as they provide a rare combination of designer looks and energy saving performance that complements the renewable technologies employed whilst being colour matched to the building too.



Healthy Living Centre



Falmouth Business Park

Falmouth Business Park

When Priority Sites, a joint venture between Royal Bank of Scotland and English Partnerships, wanted to install renewable energy into six units at its new Falmouth Business Park, it chose Dimplex heat pumps to help them achieve this. The development has a number of environmentally-friendly initiatives as well as the ground source heat pumps, including harvesting rainwater for use as waste water. As a result, the Business Park has achieved a 'very good' rating from BREEAM, the most widely used environmental assessment method of commercial buildings.

Travelodge Hotel

A new 53 bedroom Travelodge in Devizes, Wiltshire was fitted with Dimplex air source heat pumps to help meet Building Regulations and Merton Rule criteria. The new £2.6million Travelodge had three Dimplex LA 28 AS air source heat pumps installed to pre-heat domestic hot water for the hotel. The freestanding units have a flow temperature up to 55 degrees Celsius and are designed for outdoor installation with a powder-coated metal casing to withstand the British climate, making them ideal for specification where internal space is limited.



Travelodge Hotel

Fire Case Studies

Although not featured in this brochure, for selected leisure environments, a Dimplex fire could be an ideal focal point.

British Airways

Dimplex SP9 Optiflame® fires were selected by the British Airways global lounge design team to create focal points in Terminal 5's 'galleries' complex which houses the exclusive Concorde, First Class and Business Class lounges.



British Airways Terminal 5

Slug & Lettuce

Customers within selected bars of national pub chain Slug & Lettuce now enjoy the benefits of Dimplex SP4 wall mounted electric fires.

Award winning design company Plumtree Mee, specialize in commercial environments, were asked to introduce warmer colours and upgrade the ambience of the bar environment. The SP fires were fitted to selected feature walls to help bring extra 'life' to the interiors.



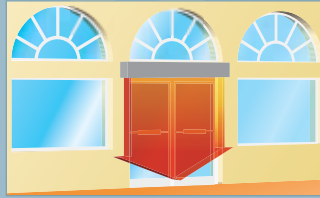
Slug & Lettuce

air curtains

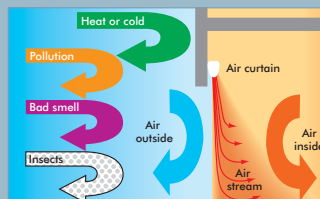
What's the benefit?

- **Doors can remain open**
By creating an 'invisible door' using the fast moving airstream people can pass easily from area to area without doors hindering progress.
- **Prevents heated or cooled air escaping**
An effective air curtain separates two zones allowing different temperatures to be maintained without doors hindering access.
- **Reduces draughts and discomfort**
Comfort levels for staff, customers and visitors close to the doorway are increased by air curtains reducing draughts through frequently opening doorways.
- **Energy saving**
Costs of running heating and air conditioning systems can be reduced by up to a third with air curtains as they help to seal the building from the environment, making the building more energy efficient. Auto 'door sensing' controls give further savings over running costs.
- **Reduced ingress of insects and pollutants**
Insects, pollens and other airborne pollutants can be minimised with air curtains as they block much of these from entering the building.

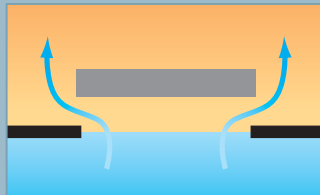
How do they work?



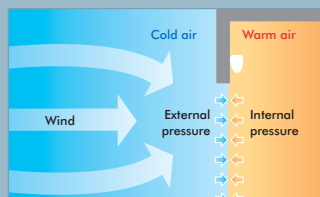
Air curtains work by separating two different temperature zones with an invisible curtain of air. They provide a fast moving air stream to block air movement through the door whilst allowing the door to remain open.



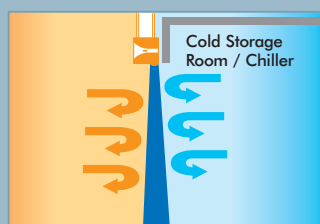
Placing an air curtain above or to the side of the entrance covering the full door width maximises performance by stopping heated air escaping in winter, or cooled air escaping in summertime. This barrier effect can help reduce energy costs by up to a third.[†]



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



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



By retaining the cooled air within a cold storage room, an air curtain dramatically reduces waste energy and gives unhindered access from area to area. With no doors or curtains to reduce visibility, user safety is improved for those moving around the building.

[†] dependant on installation.

The range



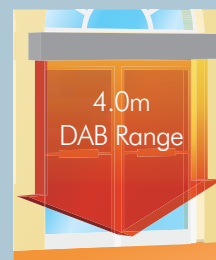
Provides multi-directional powerful heating above the entrance to shops and small doorways. These units operate up to 2.3m from the floor.



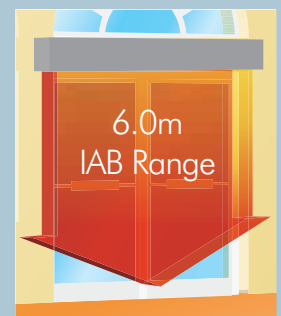
Offers a curtain of air across entrances up to 3m from the floor. Recess mounted versions available.



Designed for prestigious entrances where style and finish are paramount. Horizontal and vertical models are available in a range of appealing finishes.



Engineered for high output performance over doors up to 4m. These air curtains can also be supplied for recess installations.



Powerful industrial air curtains for large doors up to 6m high.

Energy Saving Air Curtains

Lower Energy Bills

Significant reductions in HVAC running costs for a given premises can be realised with a correctly installed air curtain.

£ thousands
less HVAC running costs



Energy Savings with Dimplex Air Curtains

50%
less running cost

De-rated Installation Mode

For installations where a lower electrical input is desired, Dimplex air curtains can be permanently modified at installation to consume up to 50% less energy for reduced running cost.

50%
less running cost

Interlocked Installation Mode

By connecting the Dimplex air curtain to A/C plant or a heating system, up to 50% reduction in air curtain running costs can be realised as the air curtain modifies output dependent on heating or air conditioning mode.

97%
less running cost

Interlocked and De-rated Installation Mode

Where a lower electrical input power is desired and appropriate, and the Dimplex air curtain can be connected to the heating or air conditioning system, then up to 97% of air curtain running cost can be recouped.

£hundreds
less running cost

Auto Door Sensor Mode

Save hundreds of pounds every year by fitting an inexpensive magnetic door sensor to the pre-programmed Dimplex control system. As the doors open and close, the air curtain optimises output accordingly.

£hundreds
less running cost

Passive Infra-Red Sensor Mode

Save hundreds of pounds every year by using a PIR passive sensor with the Dimplex control system. As the PIR senses people movement, the Dimplex standard control system optimises output to match.

£hundreds
less running cost

Thermostat Regulation Mode

No need for PWM systems that cost the earth. Thermostatic regulation fitted as standard** is the most cost effective way to save energy. Switching heat in and out as conditions dictate without limiting performance.

** Dependent on model

commercial air curtains

the CAB surface mounted range

A comprehensive range of electronically controlled air curtains for surface mounted installation up to a maximum 3m from the floor.

With electric, water and ambient models available, the range can be linked together as one system over door widths of up to 10m and controlled via one wall mounted controller.

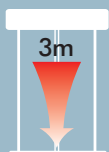
Energy saving features

- Can save up to a third of heating/air con running costs.
- Auto output control reduces energy use when doors closed.
- Fully integrated links to BMS/BEMS systems for centralised energy control.
- Tamper-proof thermostatic operation for further control over running costs.†

Range features

- High output air stream for entrances up to 3m high.
- Modular design for simple product linking over any door width.
- Wide 40° air flow direction adjustment.
- Electronic control system with full heat, half heat and fan only settings.†
- Electronic fan over-run control when used with compatible door sensors.
- 'Easy-fix' wall bracket provided for a quick alternative to standard drop-rods.
- Wall mounted controls included as standard.
- Electric models can be modified for single phase connection at reduced output.

† dependent on model.



Electric



Water



Ambient



Colour
customisation
available



Model CAB15W



Model CAB20E

Technical Specification

Model	Electrically Heated			Water Heated (at 82/71°C – LPHW)			Ambient & Cold Store		
	CAB10E	CAB15E	CAB20E#	CAB10W	CAB15W	CAB20W#	CAB10A	CAB15A	CAB20A#
Max. Mounting Height	3.0m	3.0m	3.0m	3.0m	3.0m	3.0m	3.0m	3.0m	3.0m
Door Width	1m	1.5m	2m	1m	1.5m	2m	1m	1.5m	2m
Heat Output	4.5/ 9.0kW	6.75/ 13.5kW	9.0/ 18.0kW	9.0kW	13.5kW	18.0kW	n/a	n/a	n/a
Voltage	400V~ 3PN			230V~ 1PN			230V~ 1PN		
Supply Rating (A)*	13.5	20.0	27.0	0.3	0.5	0.6	0.3	0.5	0.6
Noise dB (A) ** (High/Low Airflow)	54/50	55/51	56/52	53/49	54/50	55/51	54/50	55/51	56/52
Air Volume m³/h	1200	1800	2400	1100	1700	2200	1200	1800	2400
Max Air Flow m/s	9	9	9	8	8	8	9	9	9
Approvals	BEAB								

* Amps per phase

** Measured 3m from product, outside airstream

Supplied as 2 x 1m units

Please see pages 40–43
for dimensional details

commercial air curtains

the CAB recess mounted range

With the same comprehensive specification as their surface mounted cousins, the CAB recessed models are perfect for suspended or plasterboard ceiling installations with controls included as standard.

With the popular 1m, 1.5m and 2m doors catered for, there's a CAB suited to almost all door widths.

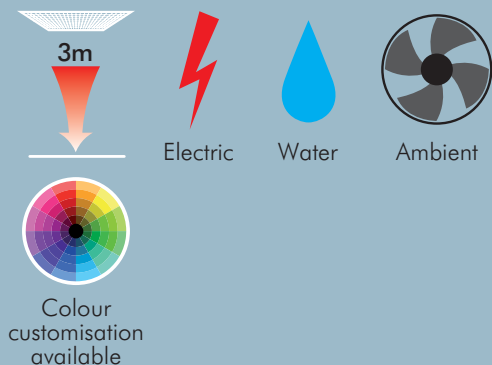
Energy saving features

- Can save up to a third of heating/air con running costs.
- Auto output control reduces energy use when doors closed.
- Fully integrated links to BMS/BEMS systems for centralised energy control.
- Tamper-proof thermostatic operation for further control over running costs.†

Range features

- High output air stream for entrances up to 3m high.
- Modular recess design suited to almost any door width.
- Electronic control system with full heat, half heat and fan only settings.†
- Electronic fan over-run control when used with compatible door sensors.
- Separate wall controls able to control up to ten units as a system.
- 'Easy connect' control system for fast installation.
- Wall mounted controls included as standard.
- Electric models can be modified for single phase connection at reduced output.

† dependent on model.



Please see pages 40–43
for dimensional details



Model CAB15WR

Dedicated Electric Recessed



Model CAB10ER

Technical Specification

Model	Electrically Heated			Water Heated (at 82/71°C – LPHW)			Ambient & Cold Store		
	CAB10ER	CAB15ER	CAB20ER#	CAB10WR	CAB15WR	CAB20WR#	CAB10AR	CAB15AR	CAB20AR#
Max. Mounting Height	3.0m	3.0m	3.0m	3.0m	3.0m	3.0m	3.0m	3.0m	3.0m
Door Width	1m	1.5m	2m	1m	1.5m	2m	1m	1.5m	2m
Aperture Dimensions Length x Depth (mm)	1106 x 620	1656 x 620	2281 x 620	1105 x 605	1655 x 605	2200 x 605	1105 x 605	1655 x 605	2200 x 605
Heat Output	4.5/ 9.0kW	6.75/ 13.5kW	9.0/ 18.0kW	9.0kW	13.5kW	18.0kW	n/a	n/a	n/a
Voltage	400V~ 3PN			230V~ 1PN			230V~ 1PN		
Supply Rating (A)*	13.5	20.0	27.0	0.3	0.5	0.6	0.3	0.5	0.6
Noise dB (A) ** (High/low Airflow)	54/50	55/51	56/52	53/49	54/50	55/51	54/50	55/51	56/52
Air Volume m³/h	1200	1800	2400	1100	1700	2200	1200	1800	2400
Max Air Flow m/s	9	9	9	8	8	8	9	9	9
Approvals	BEAB								

* Amps per phase

** Measured 3m from product, outside airstream

Supplied as 2 x 1m units

commercial air curtains

the DAB surface mounted range

A high power range of air curtains designed specifically for mounting up to 4m from the floor using the same electronic controls and exterior design as the smaller CAB series.

With wide airflow adjustment and easy bracket mounting, the installation of either electric, water or ambient models has never been easier.

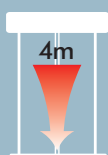
Energy saving features

- Can save up to a third of heating/air con running costs.
- Auto output control reduces energy use when doors closed.
- Fully integrated links to BMS/BEMS systems for centralised energy control.
- Tamper-proof thermostatic operation for further control over running costs.†

Range features

- High output air stream for entrances up to 4m high.
- Modular design for simple product linking over any door width.
- Wide 40° air flow direction adjustment.
- Electronic control system with full heat, half heat and fan only settings.†
- Electronic fan over-run control when used with compatible door sensors.
- Separate wall controls able to control multiple units as a system.
- 'Easy-fix' wall bracket provided for a quick alternative to standard drop-rods.
- Wall mounted controls included as standard.
- Electric models can be modified for single phase connection at reduced output.†

† dependent on model.



Electric



Water



Ambient



Colour
customisation
available



2 x DAB15E



Model DAB10E

Technical Specification

Model	Electrically Heated			Water Heated (at 82/71°C – LPHW)			Ambient & Cold Store		
	DAB10E	DAB15E	DAB20E#	DAB10W	DAB15W	DAB20W#	DAB10A	DAB15A	DAB20A#
Max. Mounting Height	4.0m	4.0m	4.0m	4.0m	4.0m	4.0m	4.0m	4.0m	4.0m
Door Width	1m	1.5m	2m	1m	1.5m	2m	1m	1.5m	2m
Heat Output	6.0/ 12.0kW	9.0/ 18.0kW	12.0/ 24.0kW	12.0kW	18.0kW	24.0kW	n/a	n/a	n/a
Voltage	400V~ 3PN			230V~ 1PN			230V~ 1PN		
Supply Rating (A)*	18.9	27.5	37.8	1.5	2.3	3.0	1.5	2.3	3.0
Noise dB (A) ** (High/low Airflow)	58/52	59/53	60/54	57/51	58/53	59/55	58/52	59/53	60/54
Air Volume m³/h	3000	4000	6000	2500	3500	5000	3000	4000	6000
Max Air Flow m/s	13.5	13.5	13.5	13	13	13	13.5	13.5	13.5
Approvals	BEAB								

* Amps per phase

** Measured 3m from product, outside airstream

Supplied as 2 x 1m units

Please see pages 40–43
for dimensional details

commercial air curtains

the DAB recess mounted range

Based on the DAB air curtains, these models allow recess mounting within plaster or suspended ceilings and can be linked together as a system when desired.

Whether it's the full 4m mounting height that's required, or use over entrances with high external wind pressure, these models are sure to be up to the job.

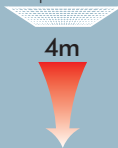
Energy saving features

- Can save up to a third of heating/air con running costs.
- Auto output control reduces energy use when doors closed.
- Fully integrated links to BMS/BEMS systems for centralised energy control.
- Tamper-proof thermostatic operation for further control over running costs.†

Range features

- High output air stream for entrances up to 4m high.
- Modular recess design suited to almost any door width.
- Electronic control system with full heat, half heat and fan only settings.†
- Electronic fan over-run control when used with compatible door sensors.
- Separate wall controls able to control multiple units as a system.
- 'Easy connect' control system for fast installation.
- Wall mounted controls included as standard.
- Electric models can be modified for single phase connection at reduced output.†

† dependent on model.



Electric

Water

Ambient

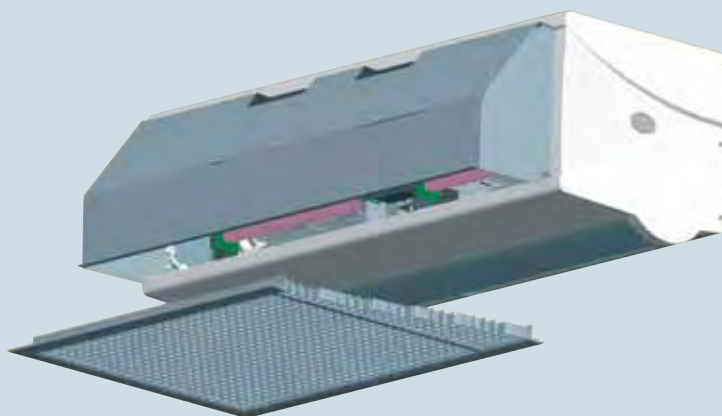


Colour
customisation
available

Please see pages 40–43
for dimensional details



Model DAB15WR



Model DAB10ER

Technical Specification

Model	Electrically Heated			Water Heated (at 82/71°C – LPHW)			Ambient & Cold Store		
	DAB10ER	DAB15ER	DAB20ER#	DAB10WR	DAB15WR	DAB20WR#	DAB10AR	DAB15AR	DAB20AR#
Max. Mounting Height	4.0m	4.0m	4.0m	4.0m	4.0m	4.0m	4.0m	4.0m	4.0m
Door Width	1m	1.5m	2m	1m	1.5m	2m	1m	1.5m	2m
Aperture Dimensions Length x Depth (mm)	1105 x 605	1655 x 605	2200 x 605	1105 x 605	1655 x 605	2200 x 605	1105 x 605	1655 x 605	2200 x 605
Heat Output	6.0/12.0kW	9.0/18.0kW	12.0/24.0kW	12.0kW	18.0kW	24.0kW	n/a	n/a	n/a
Voltage	400V~ 3PN			230V~ 1PN			230V~ 1PN		
Supply Rating (A)*	18.9	27.5	37.8	1.5	2.3	3.0	1.5	2.3	3.0
Noise dB (A) ** (High/low Airflow)	58/52	59/53	60/54	57/51	58/53	59/55	58/52	59/53	60/54
Air Volume m³/h	3000	4000	6000	2500	3500	5000	3000	4000	6000
Max Air Flow m/s	13.5	13.5	13.5	13	13	13	13.5	13.5	13.5
Approvals	BEAB								

* Amps per phase

** Measured 3m from product, outside airstream

Supplied as 2 x 1m units

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.



2 x IAB15W

Energy saving features

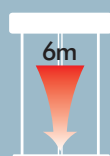
- Can save up to a third of heating/air con running costs.
- Auto output control reduces energy use when doors closed.
- Fully integrated links to BMS/BEMS systems for centralised energy control.
- Tamper-proof thermostatic operation for further control over running costs.*



Range features

- Super high output airstream for the largest doors.
- Adjustable air outlet vanes.
- Electronic control system with full heat and fan speed control.†
- Electronic over-run control when used with a compatible door sensor.
- High power centrifugal blowers for large air movement.
- Wall controls included as standard.
- 'Easy connect' control system gives single point control over multiple units.

† Dependent on model



Electric



Water



Ambient

Model IAB10W

Technical Specification

Model	Electrically Heated		Water Heated (at 82/71°C – LPHW)		Ambient & Cold Store	
	IAB10E	IAB15E	IAB10W	IAB15W	IAB10A	IAB15A
Max. Mounting Height	6.0m	6.0m	6.0m	6.0m	6.0m	6.0m
Door Width	1m	1.5m	1m	1.5m	1m	1.5m
Heat Output	12/24kW	18/36kW	27kW	41kW	n/a	n/a
Voltage	400V~ 3PN		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 m³/h	4500	6900	4500	6900	4500	6900
Max Air Flow m/s	18	18	18	18	18	18

* Amps per phase

** Measured 3m from product, outside airstream

Please see pages 40–43 for dimensional details

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.



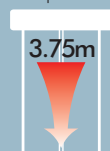
Energy saving features

- Can save up to a third of heating/air con running costs.
- Auto output control reduces energy use when doors closed.
- Fully integrated links to BMS/BEMS systems for centralised energy control.
- Tamper-proof thermostatic operation for further control over running costs.*

Range features

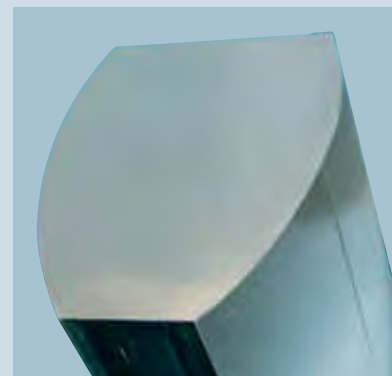
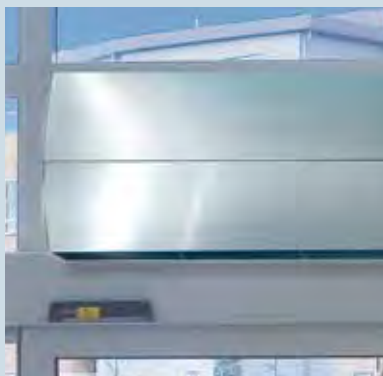
- Choice of mirror polished stainless steel or brushed stainless steel finish to suit modern building design.
- Horizontal or vertical models.
- Electronic control system with full heat and fan speed control.*
- Electronic over-run control when used with a compatible door sensor.
- Full (BMS) Building Management System Interface.
- Adjustable output to suit conditions.
- Wall controls included as standard.
- Wide entrances can be catered for.
- Electric models can be modified for single phase connection at reduced output.*

* Dependent on model



Colour
customisation
available

Model ARC20E



	ARC10	ARC15	ARC20
Mounting Height	3.75m	3.75m	3.75m
Door Width Coverage	1m	1.5m	2m
Heat Output	6/12kW	9/18kW	12/24kW
Voltage - Electric	400V~ 3PN	400V~ 3PN	400V~ 3PN
Voltage - LPHW & Ambient	230V~ 1PN	230V~ 1PN	230V~ 1PN
Max Air Velocity	12m/s	12m/s	12m/s
Air Volume m³/h	3000	4000	6000
Air Volume m³/h (LPHW)	2500	3500	5000
LPHW Flow/Return Temps	82°/71°C	82°/71°C	82°/71°C
Supply Air Grille Dims (DxW)	110 x 1120mm	110 x 1520mm	110 x 2040mm
Vertical mounted coverage	3m	3m	3m

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.

over door heaters

the AC surface mounted range

Dimplex AC over door heaters provide multi-directional, powerful and effective heating above the entrance to shops, offices and almost any small doorway.

When fitted above an open door, the warm air flow encourages trade by allowing doors and entrances to remain 'open for business' in many commercial applications.

The AC over door heaters are also ideal for any situation where a high-level fan heater is required, and offer increased convenience with the remote control AC3RN version.



Model AC3N

Energy saving features

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

Range features

- Provides a 'Warm Welcome' above single and double doorways.
- Integral control over full heat, half heat and fan only settings.
- Adjustable air flow direction.
- Can be used as a high level fan heater.
- Infra-red remote control model available (AC3RN).
- Model AC3N, AC3RN and AC45N designed for single doorways.
- Model AC6N designed for double doorways.
- Colour white.



Model AC6N

Technical Specification

Model	AC3N	AC3RN	AC45N	AC6N
Max Recommended Mounting Height	2.3m	2.3m	2.3m	2.3m
Heat Output	1.5/3.0kW	1.5/3.0kW	2.25/4.5kW	3.0/6.0kW
Voltage	230V~ 1PN	230V~ 1PN	230V~ 1PN	230V~ 1PN
Current (A)	13A	13A	19A	26A
Noise dB (A)*	50.5	50.5	52.0	57.0
Air Volume m³/h	212	212	248	446
Max Air Speed m/s**	5.0	5.0	5.0	5.5
Approvals	BEAB			

* Effective airflow with cover fitted.

** Measured 3m from the product, outside the airstream.



recessed ceiling heater

the AC recessed

The Dimplex AC3CN is designed to provide subtle heating where wall space is limited and fast response is needed.

This model can be fitted as a ceiling heater or close to a door, and offers up to six different installation options.

Supplied complete with recess grille and wall controller.

Energy saving features

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

Product features

- Standard double gang wall controller.
- Full heat, half heat and fan only modes.
- Egg crate grille with frame as standard.
- Suitable for 300 x 600mm and 600 x 600mm ceiling installations.
- Suitable for plasterboard or suspended ceilings.
- Drop-rod or bracket mountings.
- Can be installed into a shallow 300mm aperture without egg crate grille if desired.



Model AC3CN in situ



Model AC3CN

Technical Specification

Model	AC3CN
Max Recommended Mounting Height	2.3m
Heat Output	1.5/3.0kW
Voltage	230V~ 1PN
Current (A)	13A
Noise dB (A)*	52.0
Air Volume m³/h	175
Max Air Speed m/s**	3.2
Approvals	BEAB

* Measured at 3m from the product, outside airstream.

** Effective airflow with cover and grille fitted.

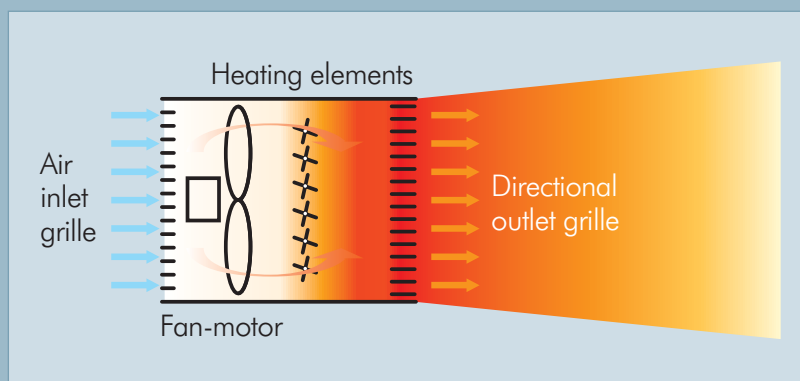
Please see pages 40–43
for dimensional details

commercial fan heating

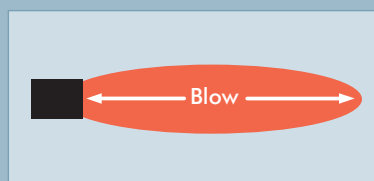
What's the benefit?

- **Economical building heating**
One of the most simple to install methods of heating a building, air flow can be directed wherever needed whenever needed.
- **Fast response heat**
Where other systems require pre-heating, fan heaters provide heat to quickly address a short fall or boost the temperatures.
- **Flexible heating**
Commercial fan heaters are as adept at providing a temporary heat source as they are when permanently installed.

How do they work?



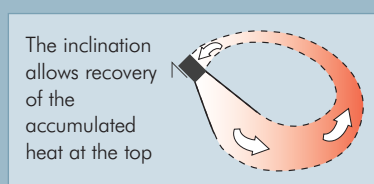
Fan heaters work by forcing air across an element or heater battery to heat the ambient air in a given space. The more air that passes across the heating element the more quickly the temperatures will rise in that area.



The velocity and distance the air is moved also affects the heaters ability to heat. The faster the airflow moves, the less time it has to be warmed by the elements giving rise to greater areas being heated to lower temperatures.

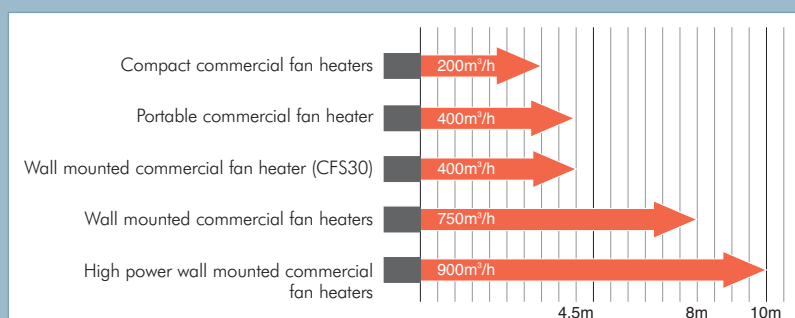


As heat rises, so heated air naturally heads for the ceilings giving a stratification of warmer air at the ceiling down to cooler air at ground level. For this reason, it is always recommended to install de-stratification fans to help keep warmer, heated air at ground levels where it will be experienced most.



Where de-stratification fans are not available, the positioning of fan heaters at a higher mounting level blowing down can help to offset the effects of rising warm air by throwing this air back toward ground level.

Performance chart



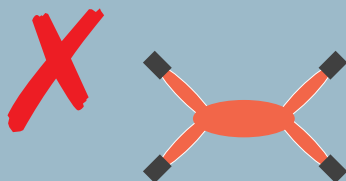
Features

- Suitable for small rooms to larger industrial environments.
- Wide range of models with outputs from 3kW – 12kW.
- Fan heating systems with up to 120kW available.
- Choice of portable or wall mounted models.
- Single heater controls or electronic system control options.
- Multi-directional wall brackets and rugged handles included.*
- Heavy duty construction for reliable long service.
- Long life, durable components used throughout.

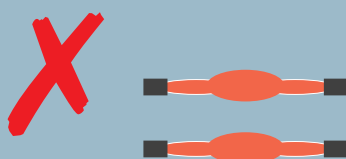
* dependent on model.

Positioning

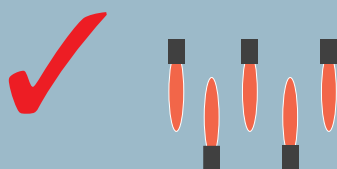
Incorrect positioning



Incorrect positioning



Correct positioning



The direction of the fan heaters when more than one are used also affects efficiency. By directing air flows so they do not clash, as shown, a more even temperature will be achieved across the whole building area.

The range

There are four types of fan heater in our commercial range, providing a heating solution for most applications.



Compact commercial fan heaters

Providing cost effective localised heating, this range is perfect where an occasional heating boost is needed. Models with and without wall controls are available.



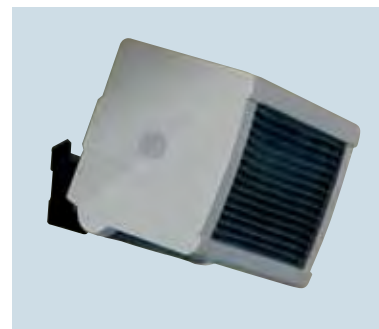
Portable commercial fan heater

Designed for commercial environments where high visibility and rugged construction is a must.



Wall mounted commercial fan heaters

With rugged construction and high quality components, these heaters come as standard with wall mounted controls giving a cost effective heating solution.



High power wall mounted commercial fan heaters

Offering electronic system control, these heaters are operated from one additional controller with programmable digital thermostat and timer functions across the range.

compact commercial fan heater

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.

Energy saving features

- Thermostatic control fitted to all models giving the optimum balance between heat requirements and low running cost.
- Fan only mode provides air circulation for summer use.

Range features

- New 'stylish' heater design with low noise performance.
- Multi directional wall bracket giving 40° vertical and 120° horizontal adjustment.
- Single screw angle adjustment.
- Remote control supplied as standard with PFH30R model offering thermostat and full heater control.
- Grey finish



Model PFH30



Models PFH30 (left) and PFH30R (right)

Technical Specification

Model	PFH30	PFH30R
Heat Output	3.0kW	3.0kW
Voltage	230V~ 1PN	230V~ 1PN
Airflow m³/h	200	200
Noise dB (A)**	24	24
Max Air Temp °C*	58	58
Thermostat	5°C – 35°C	5°C – 35°C
Approvals	BEAB	

* Measured at 0.5m

** Measured at 1m

portable & installed commercial fan heaters

the CFP and CFS ranges

A range of robust portable 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 CFP30 portable model is perfect for occasional heating needs with sturdy construction, 3kW output and thermostatic control.

The CFS models are designed to offer economic heating for small to medium sized commercial environments. Sold complete with wall controller, they offer an all-in-one solution for many commercial and light industrial premises.



Model CFS30

Energy saving features

- Thermostatic control for optimum comfort levels with low running costs.*

* dependent on model.

CFP range features

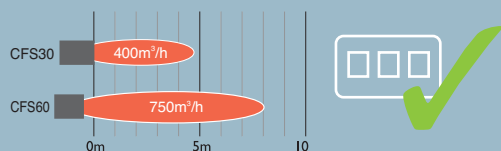
- Rugged styling with 'chunky' go anywhere appearance.
- Integral controls.
- Fan only, half heat, full heat and thermostat.
- Durable floor stand and handle.
- Yellow and black finish.



Model CFP30

CFS range features

- Heavy duty corrosion resistant case.
- Multi-directional wall bracket.
- Wall controller with fan only, half and full heat selection (double gang size) included.
- White case with black grilles.



Technical Specification

Model	CFP30	CFS30*	CFS60*
Heat Output	3.0kW	3.0kW	6.0kW
Voltage	230V~ 1PN	230V~ 1PN	230V~ 1PN 400V~ 3PN
Noise dB (A)**	37	37	50
Airflow (m³/h)	400	400	750
Throw (m)	4.5	4.5	8
Air Off Temp °C#	35	35	45

* Controller included

** Measured 1m from unit outside airstream

Calculated at 21°C return air temperature

industrial fan heaters

the CFH range

High power electronic fan heaters that offer a full heating system to larger industrial environments. These heaters use centrifugal blowers for faster airflow and heavy duty elements for effective heating, in the most challenging environments.

An additional controller allows control of up to 10 heaters with accurate digital programming control built-in, and is connected via simple PC network cable.



Model CFH90

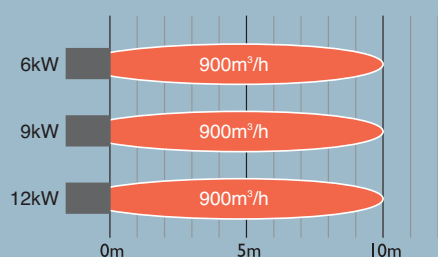
Energy saving features

- Digital central control system gives close time and temperature control for optimised energy use.
- High airflow fan units condition the air quickly for economic use.

Range features

- High power range for larger installations.
- Powerful airflow for maximum air circulation.
- Simple low voltage connection system using standard PC network cable.
- Multi-directional wall mounting brackets.
- Electronic control with 7 day timer and multiple programming features.*
- Independent fan and heat level control.
- Full electronic room thermostat for accurate control.*
- Full function system control over up to 10 heaters.*
- Electronic 'power on' self check.

* requires CFCH controller.



Model CFH120

Technical Specification

Model	CFH60	CFH90	CFH120
Heat Output	6.0kW	9.0kW	12.0kW
Voltage	400V~ 3PN 230V~ 1PN	400V~ 3PN 230V~ 1PN	400V~ 3PN 230V~ 1PN
Noise dB (A)#	60	60	60
Airflow m³/h	900	900	900
Throw	10m	10m	10m
Air Off Temp °C##	40	55	65

Measured 3m from product, outside airstream

Calculated at 21°C return air temperature



Multiple heater control

Designed for exclusive use with the Dimplex CFH range of industrial fan heaters.

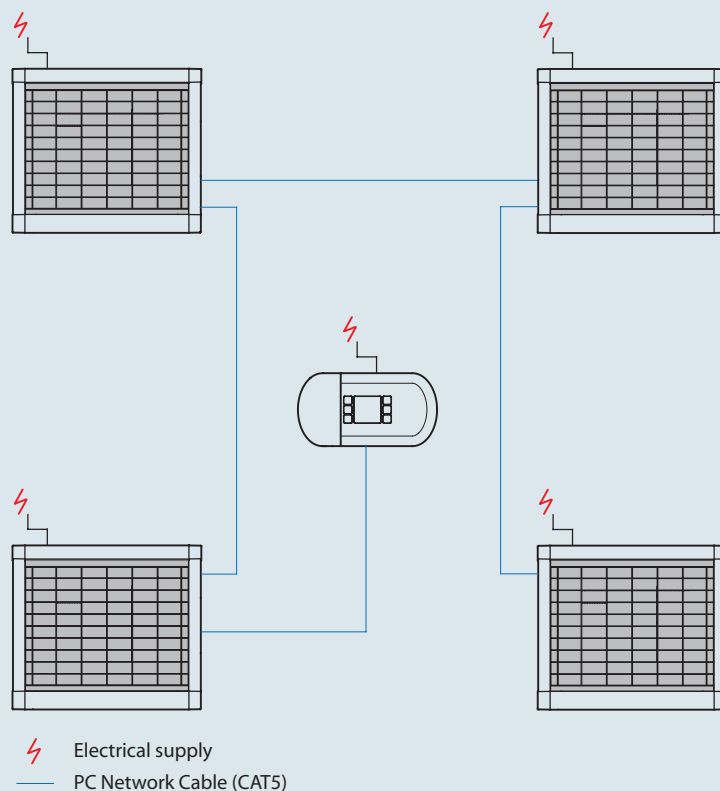
The CFCH control system* provides central control over multiple fan heaters connected via the simple electronic control bus system fitted to all CFH range heaters. With building heating requirements up to 120kW, this control system has a number of key features for convenient automatic operation in larger buildings.

* required for all CFH heating systems.

CFCH features

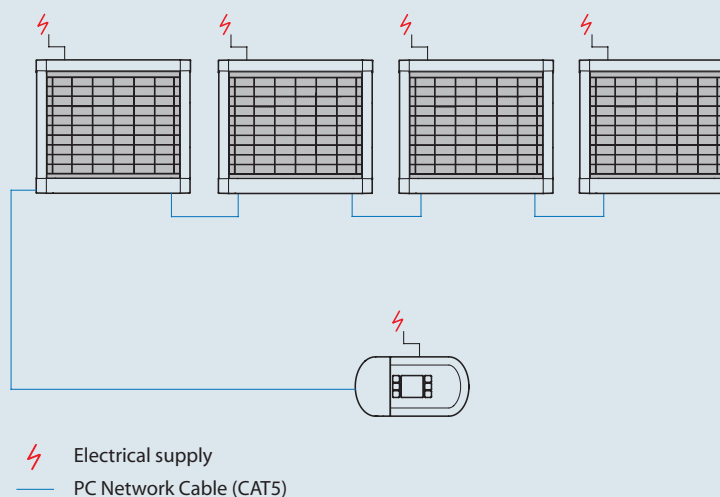
- **Multiple heater control**
Using standard PC network cable allows control over 10 heaters as one.
- **Fan & heat selection**
Independent control with graphical display.
- **Electronic room thermostat**
Ambient & target temperature display with 1°C adjustment steps.
- **7 day programming**
Up to 32 individual time programmes available.
- **Run back timer**
Up to 5 hour delay can be set.
- **Low voltage control**
Control signals operate at low voltage over (CAT5) PC network cable.

Centrally controlled building heating



Model CFCH

Focussed heating with single point control



radiant heating

What's the benefit?

- **Heats like the sun**

Radiant heat passes through the air and heats solid objects making it highly efficient wherever it's installed.

- **Instant heat**

No need for expensive pre-heating, these heaters give heat instantly, cutting the cost of heating intermittently used buildings.

- **Low running costs**

Because only the intended occupants are heated, not the air around them, you only pay for the heat you really need, rather than a whole building or area.

- **Silent running**

With no moving parts, the Dimplex heaters are silent when operating, making them perfect where noise would otherwise be a problem.

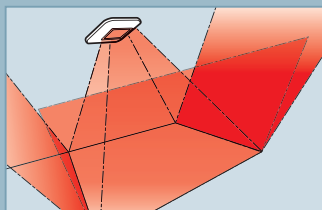
- **Low capital cost**

By only heating chosen areas, capital costs can be reduced with fewer heaters when compared with other systems sized to heat whole buildings.

How does radiant heating work?



In contrast to fan based heating, radiant heaters use the oldest form of heating known to man. Just as the sun's rays heat the earth, so our radiant heaters use this same method of heating objects (the earth, people, buildings etc) rather than the air between them for effective performance.



These radiant heaters transmit infra-red energy which is converted into heat when it is absorbed by objects which in turn then begins to warm the surrounding areas as surface temperatures rise.



Because the energy is only turned into heat as it comes into contact with solid objects, this heating technology can be used either indoors where building insulation would normally be a problem, or outdoors where localised people heating is desired. In this instance the heat provided is highly efficient as very little is lost into the atmosphere, unlike other methods of heating.

The range

There are four types of radiant heaters in the Dimplex range.

Ruby sleeved halogen element



Designed to offer a warm red glow, these short wave length elements operate at 2,200°C to provide a directional zone of heat.

Gold finish halogen element



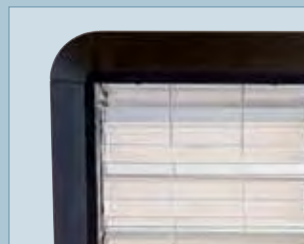
These gold coated elements work at similar temperatures to the ruby sleeved elements but also boast a gold finish that improves energy transmission by up to 15%.

Infra-red element



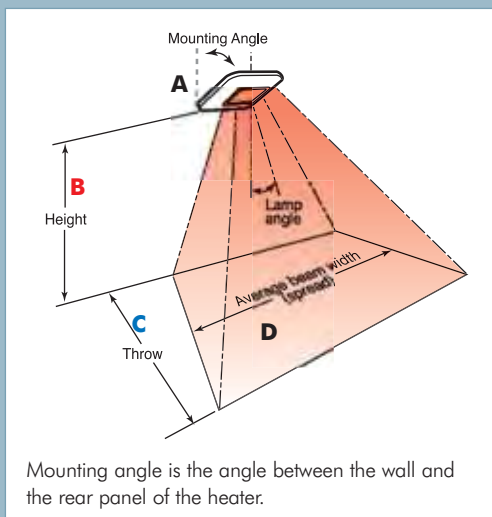
These medium wave length infra-red elements operate at 1000°C and provide an ideal combination of fast heat output and effective performance.

Ceramic



These ceramic encased aluminium elements operate over a longer wavelength at up to 700°C to provide a softer heat without the glow experienced with the ruby and gold element types.

Throw



Applications

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

Performance tips

- Heaters should be mounted either side of the heated area for optimum comfort and coverage.
(see positioning guide below)
- Heaters mounted outside must be rated at least to IPX4 rating.

QXD Spread & Throw Charts

	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)

■ 120 W/m² ■ 95 W/m² □ 70 W/m²

CXD Spread & Throw Charts

	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

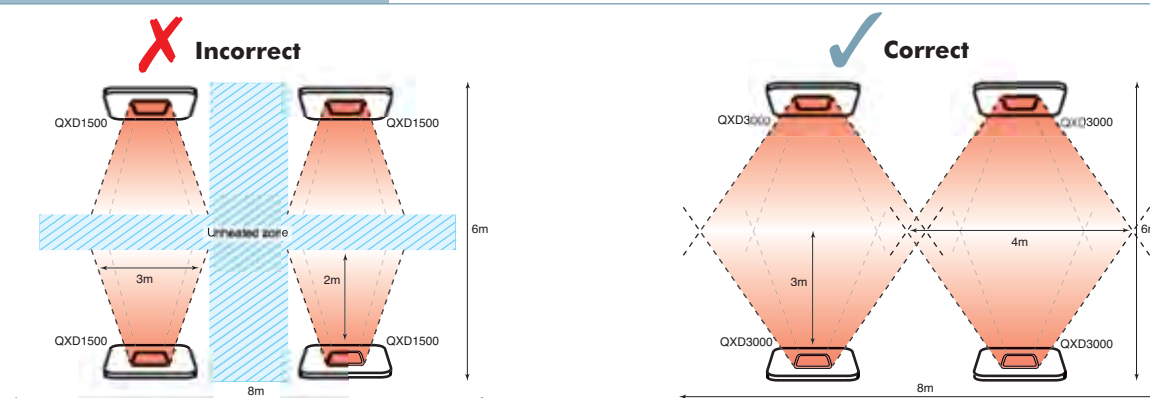
■ 80 W/m² ■ 65 W/m² □ 50 W/m²

Optional passive infra-red detector switch

- Compatible with Quartz heating up to 3kW output.
- Automatically switches the heater on or off, depending on whether the area below the heater is occupied.
- Time delay adjustment.
- Full 180° coverage over 15m if required.
- Size of detection area can be reduced.
- IP54 rated.
- Model DX4130.



Positioning



Heaters installed from both sides ensure even heating as illustrated above

radiant Quartzray® heaters

the QXD range

The QXD range features the ruby red halogen lamp, giving a warm glow, and can be selected in 1.5kW, 3kW and 4.5kW outputs.

A universal mounting bracket gives a wide range of adjustment and the heaters can be used with the Dimplex DX4130 PIR switch for automatic operation.

Energy saving features

- Energy efficient heaters that waste no heat directly into the air, but heat people or objects.
- Allows people to be heated cost effectively in large hard to heat buildings.
- Optional PIR switch saves energy by switching heat off when not needed.

Range features

- Ruby sleeved lamp provides a warm red glow.
- Universal mounting bracket.
- Instant heat – avoiding the need for expensive pre-heating of intermittently used buildings.
- Silent operation.
- Matt black finish.

Optional passive infra-red detector switch

- Compatible with Quartz heating up to 3kW output.
- Automatically switches the heater on or off, depending on whether the area below the heater is occupied.
- Time delay adjustment.
- Full 180° coverage over 15m if required.
- Size of detection area can be reduced.
- IP54 rated.
- Model DX4130.

See page 25 for photograph.



Model QXD3000



QXD range

Technical Specification

Model	QXD1500	QXD3000	QXD4500
Recommended Height*	2.5m	3.5m	4.0m
Minimum Installed Height	2.1m	2.5m	3.0m
Loading	1.5kW	3.0kW	4.5kW
Voltage	230V~ 1PN		
Heat Type	Infra-red shortwave radiant		
Lamps	Halogen filled quartz linear (Ruby) x 1	Halogen filled quartz linear (Ruby) x 2	Halogen filled quartz linear (Ruby) x 3
Construction	Steel case with aluminium reflector		
Electrical Connection	Type c MCB with 5-10 x tripping coefficient		
Accessories – Lamp Guards	QX9310	QX9311	QX9312
Accessories – Product Guards**	DXG15	DXG18	DXG17

* Calculated at medium intensity (95W/m²)

** Available from Norfolk Industries 01603 667 957

Please see pages 40–43
for dimensional details

radiant ceramic heaters

the CXD range

Ceramic radiant heaters provide all the benefits of radiant heating without the light output associated with other types of infra-red heaters.

Using long wave infra-red technology, they can be installed inside or outside for the ultimate in flexibility and come with fitted guards as standard. All the Dimplex ceramic radiant heaters can also be operated via the Dimplex DX4130 PIR switch for automatic operation.

There is a choice of two models, the CXD2000V with stacked elements for focussed heat, or the CXD2000H with elements side by side for a wider dispersion of heat.



Model CXD2000V

Energy saving features

- Provides heat to a zone or localised area, saving energy compared with equivalent air heaters.
- Auto heater control with Dimplex DX4130 PIR sensor (see page 25 for more details).



Model CXD2000V

Model CXD2000H

Range features

- Robust ceramic elements for efficient radiant heating.
- Can be mounted inside or outside.
- No visible light output.
- Fitted guard included.
- Adjustable mounting bracket.
- Silent operation.
- Matt black finish with white elements.

Technical Specification

Model	CXD2000V / CXD2000H
Recommended Height	2.0m
Minimum Installed Height	1.8m
Loading	2.0kW
Voltage	230V~ 1PN
Heat Type	Long wave length infra-red
Lamps	Ceramic encased aluminium x 2
Construction	Steel case with aluminium reflector

Please see pages 40–43
for dimensional details

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 13p 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 giving substantially reduced emissions compared to gas heaters.
- Optional passive infra-red switch – model DX4130 (see page 25 for more details).

Range 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 13p per hour* to run.
- ‘In-situ’ lamp replacement for minimum downtime (OPH13).
- Fitted guard included.
- Optional mounting kit for hanging or pole/mast mounting (OPHMK1).

* dependent on tariff and based on autumn 2008 prices.



Model OPH20



Model OPH13

Technical Specification

Model	OPH13	OPH20
Heat Output	1.3kW	2.0kW
Supply	230V~ 1PN	230V~ 1PN
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 new 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.

Energy saving features

- Energy efficient heaters that heat people without heating the air around them for a cost effective solution.
- Low energy user giving substantially reduced emissions compared to gas heaters.
- Optional passive infra-red switch – model DX4130 (see page 25 for more details).

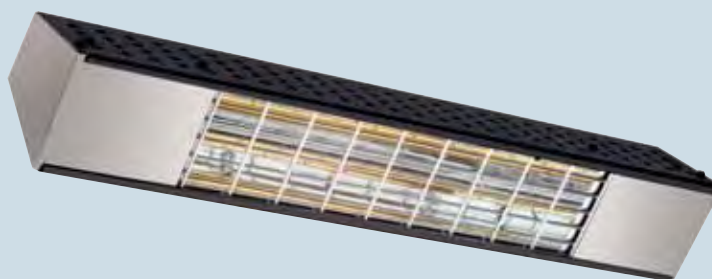
Range features

- Two-tone black and stainless steel finish.
- 1kW and 1.5kW models available.
- Quartz halogen technology with “gold” lamps for extended performance.
- IPX5 extended water protection for all weather use.
- Quick installation with single mounting point.
- Fitted guard included.
- Designed for permanent external installation.
- Costs as little as 10p per hour to run.*
- Instant heat – avoiding the need for expensive pre-heating.

* dependent on tariff and based on autumn 2008 prices.



Model CPH15



Model CPH10

Technical Specification

Model	CPH10	CPH15
Heat Output	1.0kW	1.5kW
Supply	230 – 240V~ 1PN	230 – 240V~ 1PN
Construction	Steel	Steel
Element	Halogen	Halogen
Colour	Black and stainless steel	Black and stainless steel
Approvals/Ratings	CE, IPX5	CE, IPX5
Min mounting height	1.8m	1.8m
Recommended height	2.0m	2.0m

Please see pages 40–43
for dimensional details

fan convector heaters

the WF range

With up to 3kW of heating available, these WF fan convectors provide a low noise, rapid response heating solution for commercial installations such as shops, offices, waiting rooms and restaurants. Their built-in thermostatic temperature control keeps energy use in check too.

Energy saving features

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

Range features

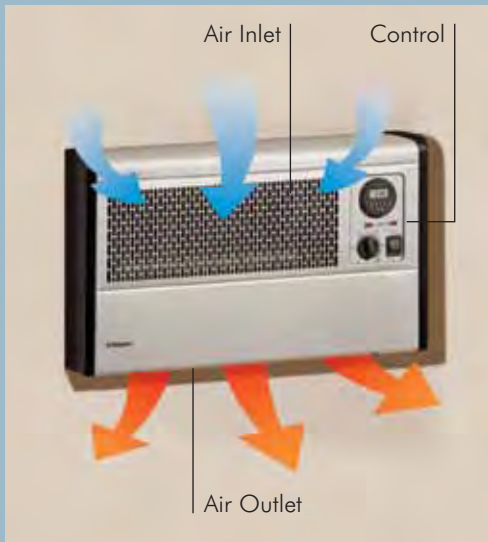
- Powerful 3kW maximum output.
- Choice of 1kW, 2kW or 3kW output settings (WFC only).
- Automatic heat selection (WFE only).
- Frost protection setting.
- Fine mesh filter for incoming air to reduce dust particles in the indoor environment.
- Programmable dual mode electronic timer (WFE only).



Model WFC3NB



Model WFC3NB



Model	WFC3NB	WFC3NS	WFC3TNB	WFE3TNS
Heat Output (kW)	3.0/2.0/1.0	3.0/2.0/1.0	3.0/2.0/1.0	3.0/2.0/1.0
Voltage	230V~ 1PN	230V~ 1PN	230V~ 1PN	230V~ 1PN
Airflow (m³/h)	79.2	79.2	79.2	79.2
Colour	Black with wooden end panels	Silver with black end panels	Black with wooden end panels	Silver with black end panels
Auto Heat Selection			✓	✓
Manual Heat Selection	✓	✓		
Variable Thermostat	✓	✓	✓	✓
Programmable Dual Mode Timer			✓ 5 + 2 day	✓ 5 + 2 day

flameproof convector heaters

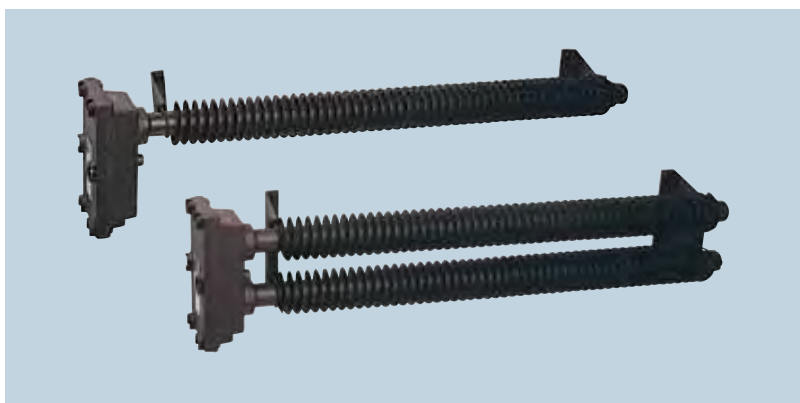
the FXPH range

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 hangers/fuel servicing areas.

Range features

- Approved to ATEX Directive 94/9/EC for use in hazardous zones 1 and 2.
-  II 2 G 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.



Model FXPH1 (top) FXPH2 (below)

Model	FXPH1/42/750	FXPH1/60/1000	FXPH2/42/1500	FXPH2/60/2000
Type	Single Tier	Dual Tier	Single Tier	Dual Tier
Heat Output	0.75kW	1.0kW	1.5kW	2.0kW
Voltage	230V~ 1PN	230V~ 1PN	230V~ 1PN	230V~ 1PN
Temp Rating	T2	T2	T2	T2
IP Rating	IP44	IP44	IP44	IP44

* Please note: This heater is NOT suitable for use in zone 0.

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 heating that can be operated via separate controls.



Model HAW1000N

Model	HAW1000N
Heat Output	1.0kW
Voltage	230V~ 1PN
Electrical Connection	20mm cable entry
Guard	✓

Please see pages 40–43 for dimensional details

Range features

- Large number of fins give large heating surface.
- Strong, robust and very reliable.
- Now comes complete with guard.

SCxn cylinders

The Dimplex range of cylinders provides a solution whatever the hot water demand. The unvented cylinders provide mains pressure hot water meaning that you can supply numerous outlets without the need for header tanks or pumps which frees up valuable space.

Energy saving features

- 60mm CFC free foam injected insulation with a low GWP of 1 and ODP of 0.
- Water inlet diffuser that prevents cold and hot water mixing meaning more hot water can be drawn off.

Range features

- Mains pressure hot water.
- Duplex steel inner cylinder with 25 years guarantee.
- Tough plastic leather grain external coating.
- No anode required which therefore reduces the service requirements.
- Long life, low maintenance hot water supply.
- No cold water storage tank required, freeing up valuable space.
- Manufactured in the UK.

Standard Cylinders

- Two ranges available either for direct electric heating or with a coil for indirect heating.
- Cylinder sizes range from 80 to 305 litres, external diameter 574mm.
- Internal expansion for quick and easy installation and simplifying plant room design.

Solar Cylinders

- Design optimised for use with the Dimplex solar thermal package.
- Large coil surface area positioned at the bottom of the cylinder to efficiently transfer as much heat as possible from the solar thermal system.
- Large dedicated solar volume to increase the amount of solar energy transferred.
- Two ranges available, either with one coil for solar and direct electric heating or with two coils for solar and indirect heating.

Slimline Cylinders

- Where space is tight the slimline cylinders offer the same features of the standard and solar range but with a reduced external diameter of 456mm for the standard range and 501mm for the solar range.
- Standard slimline cylinders available in sizes from 80 to 215 litres and solar slimline cylinders available in sizes of 175 to 215 litres.
- External expansion to maximise the amount of water stored.



SCxni standard range



SCxnsi solar range



SCxni slimline range

SCxn commercial cylinders

Dimplex has the answer for your large unvented water cylinders up to 4000 litres. Possible applications include:

- Student accommodation
- Schools and colleges
- Sheltered housing
- Sports clubs
- Spas and swimming pools



Image is computer generated for illustrative purposes only. Actual cylinder appearance and connections will vary.

5 ways of heating water:

Solar

For solar installations that require cylinders larger than 305L, the commercial range of cylinders can be designed to supply all the necessary hot water. Having the correct size cylinder means that the system is able to optimise the amount of solar energy captured.

Heat Pumps

require a coil with a large surface area to ensure heat can be transferred effectively. The commercial range of cylinders allows you to choose the coil size to match the application.

Other Renewables

Our bespoke cylinders can be designed to integrate a number of heat sources into one central store. For example, you may want to integrate a wood burning stove, solar thermal and heat pumps into one central store.

Direct Electric

A range of options for single or three phase electricity supplies with simple installation. Ideal for raising the temperature for pasteurisation, or as an emergency backup supply in the event of the main heat source failing or for sites where another heat source is not practical.

Gas

A good option for large applications if gas is available on site. The coil size can be varied to match the specification of the boiler company.

Range features

Totally bespoke specification, with every aspect able to be customised:

- Coil size and number - available in sizes from 14kW up to 140kW allowing integration of numerous different technologies.
- Number and rating of immersion heaters from 3kW to 12kW.
- Specification and rating of temperature and pressure gauges.
- Location of threaded fittings.
- The full range of safety equipment, specified by our designers to ensure that your cylinder is safe and conforms to current legislation including.
 - Size of pressure reducing valves.
 - Size of expansion vessels.
 - Size of temperature and pressure release valves.
 - Size of tundishes

Contact the Dimplex renewable design team to discuss your exact requirements on 0845 600 5111. Simply let us know the specification of the cylinder required and our experts will design the cylinder to ensure years of safe and efficient operation.

Cylinder size

Model	Cylinder size
SCC450	450 litre Stainless Steel
SCC605	605 litre Stainless Steel
SCC810	810 litre Stainless Steel
SCC965	965 litre Stainless Steel
SCC1125	1125 litre Stainless Steel
SCC1380	1380 litre Stainless Steel
SCC1775	1775 litre Stainless Steel
SCC1875	1875 litre Stainless Steel
SCC2155	2155 litre Stainless Steel
SCC3000	3000 litre Stainless Steel
SCC4000	4000 litre Stainless Steel

Immersion heaters

kW Rating	Phase	Connection
3	1	1¾" BSP
3	1	2¼" BSP
3	3	1¾" BSP
4	1	2¼" BSP
6	1	1¾" BSP
6	1	2¼" BSP
6	3	2¼" BSP
9	3	1¾" BSP
9	3	2¼" BSP
12	3	2¼" BSP

Threaded fittings

	3/8"	1/2"	3/4"	1"	1¼"	1½"	1¾"	2"	2¼"
Threaded fitting				✓		✓		✓	
Threaded fittings (dish end off centre)			✓	✓	✓	✓		✓	
Threaded fittings (inner wrapper)	✓	✓	✓	✓	✓	✓	✓	✓	✓

solar thermal

Solar energy is available in abundance all around us. Every year the sun provides 8000 times more energy than we consume globally.

Solar water heating systems harness solar radiation to efficiently and effectively heat water stored in a cylinder, ready for use whenever you need it.

One system, many applications

Solar systems comprise 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

Roof mounted or free standing, the collector captures solar radiation from the sun and passes it on to a working heat transfer fluid.



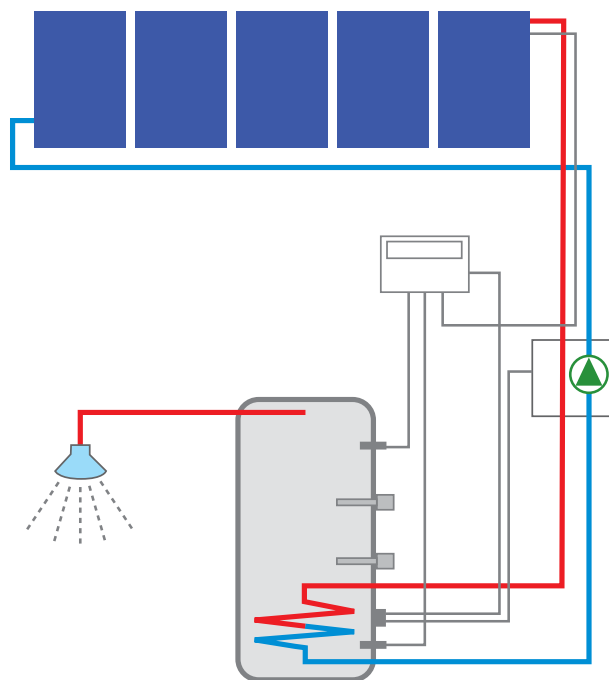
Heat transfer system

The pump station, controlled by the control unit, moves the captured solar energy from the collector to the water storage cylinder.



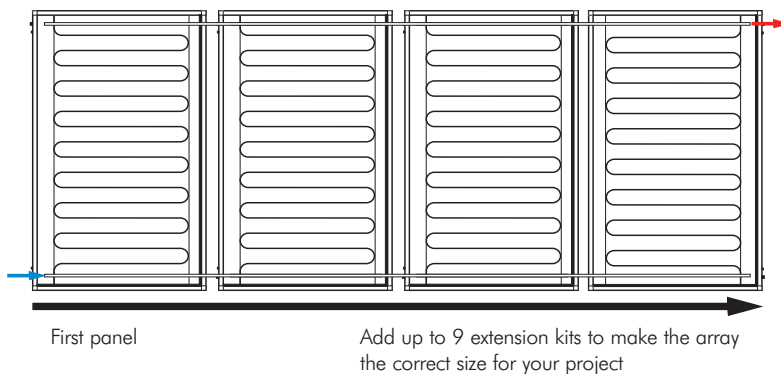
Storage cylinder

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.



Extending the array

The roof mounting kits can easily be extended to make an array of up to 10 panels. After deciding what roof mounting kit you will need, simply add extension kits to the first panel to make the array the correct size. If more panels are still required you can add more arrays in parallel to the first array and still use just one pump and controller.



Manifold bar

The manifold bar allows the collectors in an array to be connected in parallel, meaning that there is less pressure loss across the array. If the collectors were connected in series the heat transfer fluid would have to pass through all the collectors requiring a much larger pump.

The Dimplex packages are split into first and second fix kits making it possible to order the roof kits first for installation when the roof is going on, and then order the second fix kits later for installation when the building is being plumbed.

Roof mounting options

- On roof mounting for plain tile, corrugated tile or slate roofs.
- Integrated roof mounting for tile or slate roofs with optional flashing kits to cover visible on-roof pipe work.
- Free standing mounting kits for flat roofs or ground level mounting.

Heat transfer system

The heat transfer system consists of a number of components that are interchangeable meaning that the system can be designed to meet each projects individual requirements.

- Pump station – Two models available which allow the flow rates to range from 1 to 40 litres/min with up to 7m head to overcome pumping losses.
- Control unit – 3 models available with over 40 hydraulic schematics pre-programmed.
- Heat transfer fluid – Available separately in pre-mixed 20 litre tubs.
- Expansion vessel – Available in sizes from 12 to 80 litres.

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). Available in sizes from 175 up to 4000 litres.

Accessories

A complete range of accessories is available to make installation and maintenance quick and easy including pre-insulated flexible hoses, vent tiles, flow meters and heat transfer fluid testing kits.

For more details on the products visit www.dimplex.co.uk/solar



1st Fix Kit
(flexible hoses not shown)



2nd Fix Kit

Solar thermal simulation

For large projects it is difficult to estimate how many solar panels you will require to meet your hot water demand. There are numerous different factors to take into account such as:

- Complex hot water draw off patterns varying on different days of the week at different times of the year.
- Cylinders sized with different solar volumes and stored water volumes.
- Collectors at different orientation.
- Shading by other buildings and trees.

Using historic weather data for your location, we can run a computer simulation which will allow us to optimise your system with the correct size cylinder and number of panels. We will then be able to advise exactly the performance you can expect from your system including the amount of carbon emissions that the system will save.

For more information about computer simulation and details on our range please ring 0845 600 5111 and speak to our renewables design team.

heat pumps

What's the benefit?

- High efficiency, low carbon heating and cooling.
- Up to 50% lower carbon emissions than gas boilers, aiding Building Regulations compliance.
- Can contribute significantly towards renewable energy planning requirements.
- Low maintenance and running costs.
- Heating and cooling from a single system.
- Able to provide complete system heating / cooling or work in parallel with existing or supplementary systems.
- Financial incentives available through Government grants and Enhanced Capital Allowances.



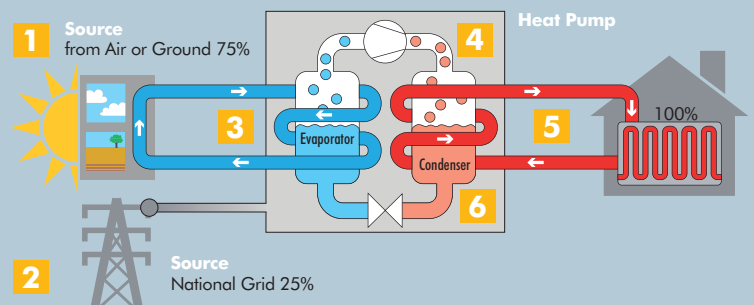
LA 40 TU air source heat pump

How do they work?

- Heat pumps are among the most efficient heating, cooling and hot water systems available today.
- Approximately 75% of the energy needed for heating comes from the environment.
- This means that for every 1 kWh of electricity used to power the heat pump compressor, between 3 and 4 kWh of heating (or cooling) energy is produced, giving the heat pump an efficiency of 300-400% or higher.
- The heat pumps efficiency is known as its "Coefficient of Performance" (CoP). This is simply a ratio between the proportion of the total energy supplied that can be extracted from the environment and the amount supplied by electricity to run the heat pump compressor.
- The higher the CoP, the more "free" environmental energy the heat pump is using!

A heat pump heating system consists of 3 components: the heat source, the heat pump itself and a heat distribution and storage system.

Heat pumps are able to produce more energy than they consume by using the conventional refrigeration cycle to absorb heat from the environment and raise it to a suitable level for heating.



- 1 75% of the energy is taken from the environment i.e the air or ground and transferred to the heat pump.
- 2 25% of the energy is sourced from the national grid in the normal way of supplying your electricity. This is used to operate the heat pump but with very low consumption
- 3 The energy from the air or ground is transferred to the refrigerant inside the heat pump's evaporator. This causes the temperature of the refrigerant to rise and change state from liquid to gas.
- 4 The refrigerant gas is then compressed, using an electrically driven compressor, reducing its volume but causing its temperature to rise significantly.
- 5 A heat exchanger (condenser) then extracts the heat energy from the hot refrigerant to heat water for central heating, underfloor heating or domestic hot water.
- 6 After giving up its heat energy the refrigerant turns back into a liquid and is able to absorb energy from the environment, allowing the cycle to begin again.

Ground source heat pumps

Features

- Solar energy stored in the ground is extracted via heat collectors buried beneath the earth.
- A mixture of water and anti-freeze is circulated through the pipes, attracting heat energy and transferring it to the heat pump.
- The temperatures below ground are consistent meaning the heat pump operates with a high Co-efficient of Performance all year round.
- Systems widely used for space heating, cooling, water heating and swimming pools.

Air source heat pumps

Features

- Air source heat pumps utilise the outside air as their heat source and are able to extract heating energy from the air at temperatures as low as -25°C .
- Compared with central Europe (where air source heat pumps are already very popular), the UK has a relatively mild winter climate.
- With average temperatures of round 5°C , seasonal Co-efficients of Performance comparable with ground source heat pumps are achievable without the additional cost of ground loop systems needing to be installed.

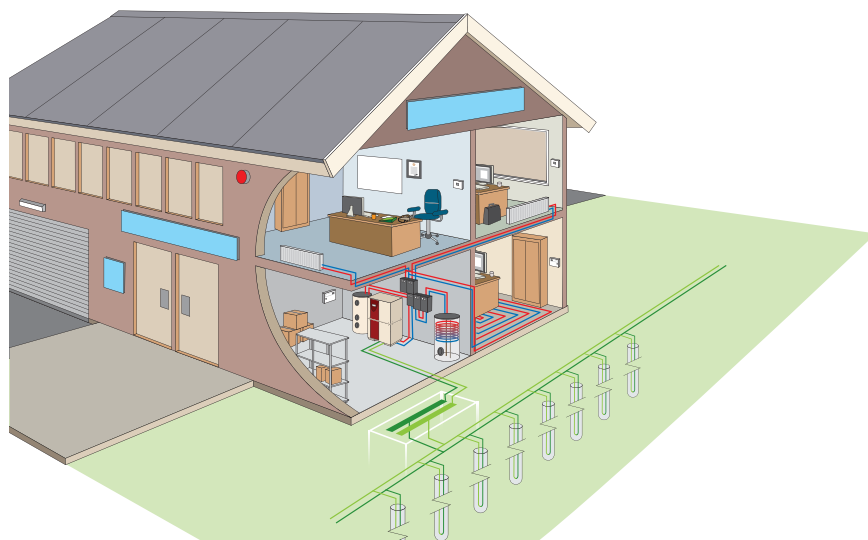
Approved Installer Partners



Heat pumps are one of the most efficient and economical heating systems available provided the individual components of the system – the heat source, the heat pump itself and the

connected heating system – are properly matched. In order to ensure the highest levels of quality and to provide peace of mind, Dimplex has an established network of Approved Heat Pump Installer Partners, all fully trained and experienced in the installation, commissioning and after sales support of Dimplex heat pump products.

The ground as a heat source



Horizontal ground collectors

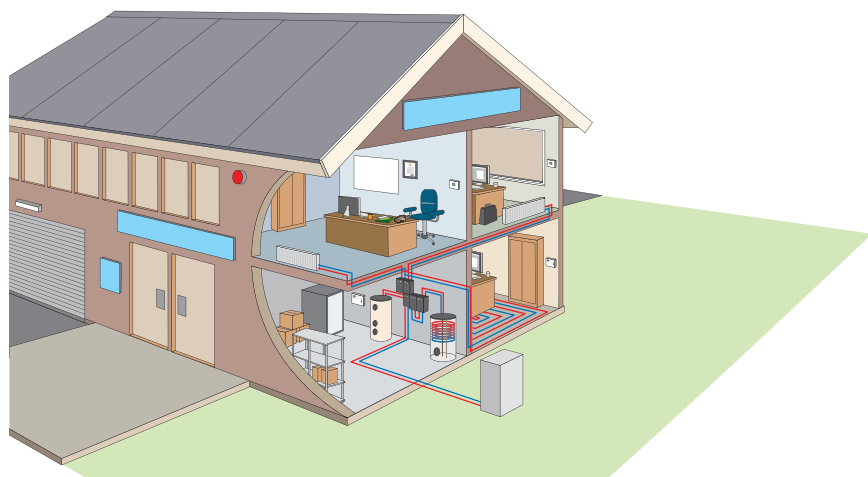
If a large enough land area is available, horizontal ground collectors provide an effective method of extracting heat from the ground. The pipework is buried at a depth of approximately 1.25m and spaced 0.75m apart. The land area required is dependent on both the capacity of the heat pump and heat conductance of the soil type in which the pipes are buried. As a space saving alternative to horizontal collectors, slinkies – consisting of coiled pipes buried in a trench – can be used.

Vertical boreholes (see example above)

If land space is limited the ground collectors can be installed vertically in a borehole, drilled up to 100m deep in the ground.

Multiple boreholes are commonly used in large installations where very high levels of heat extraction are required.

The air as a heat source



Air source heat pumps for outdoor installation (see example above)

Dimplex outdoor air source heat pumps are constructed from robust, powder-coated metal casings to provide year round protection against the elements. The heat pump is connected to the indoor heating system simply by laying two heat insulated pipes and the electric connection cables under the ground.

Installing the heat pump externally frees up internal space and means that the heat source is easy to tap.

Air source heat pumps for indoor installation

In some instances it may not be possible or desirable for the heat pump to be installed outside the building.

Indoor air source heat pumps are designed to be installed in a building plant room or basement (providing access to an outside wall is available).

The heat pump is connected to the outside via air ducts, while the opening is protected by a rain guard.

product range

Dimplex has the largest range of heat pumps in the UK and the information below is just a preview of products relevant for the commercial market. Full details can be found at www.dimplex.co.uk/renewables or ring 0845 600 5111 for a copy of our comprehensive heat pump brochure.

Outdoor air source heat pumps	Range includes: • Heating: 11-28kW • Heating (high efficiency): 9-40kW • Heating (medium temp): 9-26kW • Heating (high temp): 22-26kW • Heating and cooling: 11-35kW • 20kW+ models fitted with twin compressors • Energy optimised auto adaptive defrost cycle • High CoP, even at low air temperatures	
Indoor air source heat pumps	Range includes: • Heating: 11-40kW • Heating and cooling with waste heat recovery: 11-16kW • Heating (high temp): 22-26kW • 20kW+ models fitted with twin compressors • Energy optimised auto adaptive defrost cycle • High CoP, even at low air temperatures	
Ground source heat pumps single phase	Range includes: • Heating: 5-14kW • Heating (high temp): 6-11kW • Heating and cooling: 5-14kW • Optional passive cooling accessories • Complementary range of hot water calorifiers available • Eligible for 50% grants under Low Carbon Buildings Programme Phase 2*	
	Range includes: • Heating: 5-130kW • Heating (high temp): 6-40kW • Heating and cooling with waste recovery: 30-75kW • Optional passive cooling accessories • Complementary range of hot water calorifiers available • Eligible for 50% grants under Low Carbon Buildings Programme Phase 2*	
Water to water heat pumps	Range includes: • Heating: 9-90kW • Stainless steel heat exchangers fitted to 9-27kW units • Optional passive cooling accessories • Complementary range of hot water calorifiers available	

the natural solution

Education



- On-going schools building programmes, such as Building Schools for the Future, can benefit from heat pump systems that improve the environmental footprint and reduce running and operational costs.
- 50% grant funding for Dimplex ground source heat pumps through Low Carbon Building Programme Phase 2 (Extension).
- Able to meet Government target for 60% renewable energy in new schools projects.
- Can be utilised to provide a valuable learning tool for students.

Retail/Commerce



- Heat pumps meet the increasing local authority requirements to incorporate renewable energy within energy profile of new buildings (Planning Policy Statement 22/"Merton Rule").
- Significant CO₂ savings over fossil fuelled systems help towards building regulations compliance.
- Many developers investing in "green" buildings with low energy costs in the knowledge that they can attract premium rent/lease values.
- Ability to provide energy efficient heating and cooling from a single system optimises capital investment.

Leisure/Residential



- Growing take up in the leisure/hotels sector to reduce energy consumption and CO₂ emissions, particularly where mains gas is not available.
- 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 pools 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.

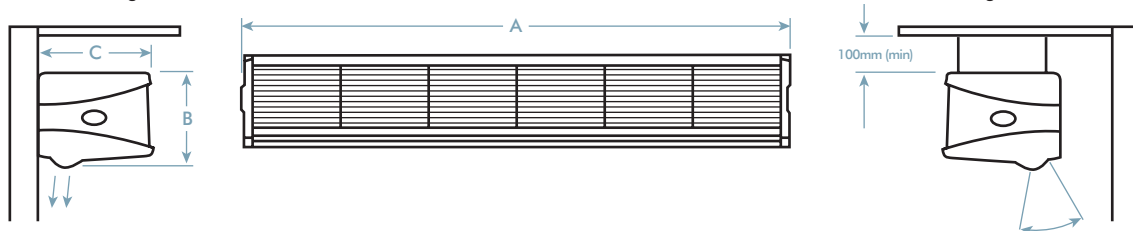
Public/Community



- Dimplex heat pumps are already installed in a wide range of public and community buildings, both new and refurbished, allowing them to benefit from lower fuel bills and reduced CO₂ emissions.
- Typical installations include:
 - Visitor centres • Community centres • Emergency services buildings (fire stations, mountain rescue centres, lifeboat stations) • Libraries • Places of worship • Village halls.
- Local government and not-for-profit organisations are able to benefit from 50% funding through Low Carbon Buildings Programme Phase 2 (Extension).
- Match funding available through the Community Sustainable Energy Programme (CSEP).

dimensions and loadings

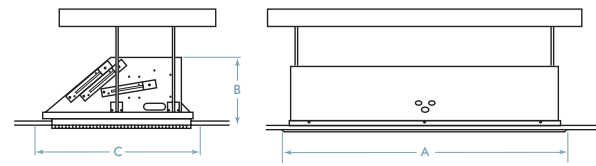
commercial air curtains pages 10–13 the CAB and DAB surface mounted ranges



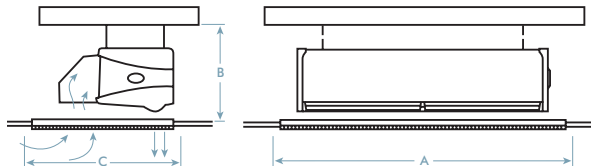
Model	CAB10E	CAB15E	CAB20E	CAB10W	CAB15W	CAB20W	CAB10A	CAB15A	CAB20A	DAB10E	DAB15E	DAB20E	DAB10W	DAB15W	DAB20W	DAB10A	DAB15A	DAB20A
Loading kW	4.5/9.0	6.75/13.5	9.0/18.0	9.0	13.5	18.0	n/a	n/a	n/a	6.0/12.0	9.0/18.0	12.0/24.0	12	18	24	n/a	n/a	n/a
Width (A)	1065mm	1569mm	2130mm	1065mm	1569mm	2130mm	1065mm	1569mm	2130mm	1057mm	1557mm	2114mm	1057mm	1557mm	2114mm	1057mm	1557mm	2114mm
Height (B)	262mm	262mm	262mm	262mm	262mm	262mm	262mm	262mm	262mm	361mm	361mm	361mm	361mm	361mm	361mm	361mm	361mm	361mm
Depth (C)	321mm	321mm	321mm	321mm	321mm	321mm	321mm	321mm	321mm	391mm	391mm	391mm	391mm	391mm	391mm	391mm	391mm	391mm
Weight	20.5kg	29kg	41kg	18kg	24.5kg	36kg	15.5kg	21.5kg	31kg	26.5kg	35kg	53kg	25kg	32kg	50kg	21.5kg	27.5kg	43kg

the CAB and DAB recess mounted ranges

Electric CAB



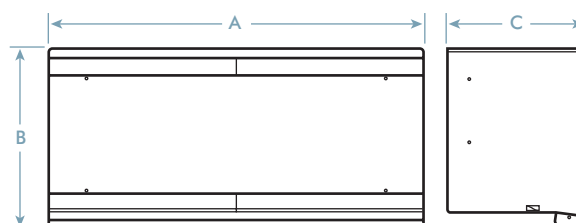
Electric DAB/Water/Ambient – All models



Model	CAB10ER	CAB15ER	CAB20ER	CAB10WR	CAB15WR	CAB20WR	CAB10AR	CAB15AR	CAB20AR	DAB10ER	DAB15ER	DAB20ER	DAB10WR	DAB15WR	DAB20WR	DAB10AR	DAB15AR	DAB20AR
Loading kW	4.5/9.0	6.75/13.5	9.0/18.0	9.0	13.5	18.0	n/a	n/a	n/a	6.0/12.0	9.0/18.0	12.0/24.0	12	18	24	n/a	n/a	n/a
Width (A)	1168mm	1718mm	2343mm	1168mm	1718mm	2268mm	1168mm	1718mm	2268mm	1168mm	1718mm	2268mm	1168mm	1718mm	2268mm	1168mm	1718mm	2268mm
Height (B)	276mm	276mm	276mm	370mm	370mm	370mm	370mm	370mm	370mm	470mm	470mm	470mm	470mm	470mm	470mm	470mm	470mm	470mm
Depth (C)	667mm	667mm	667mm	667mm	667mm	667mm	667mm	667mm	667mm	667mm	667mm	667mm	667mm	667mm	667mm	667mm	667mm	667mm
Weight	26kg	35kg	54.5kg	23kg	32.5kg	46kg	20.5kg	29.5kg	41kg	31.5kg	43kg	63kg	30kg	40kg	60kg	26.5kg	35.5kg	53kg

industrial air curtains page 14 the IAB range

Model	IAB10E	IAB15E	IAB10W	IAB15W	IAB10A	IAB15A
Loading kW	12/24	18/36	27	41	n/a	n/a
Length (A)	1100mm	1600mm	1100mm	1600mm	1100mm	1600mm
Height (B)	700mm	700mm	700mm	700mm	700mm	700mm
Depth (C)	600mm	600mm	600mm	600mm	600mm	600mm
Weight	80kg	120kg	80kg	120kg	80kg	120kg



architectural air curtains page 15 the ARC range

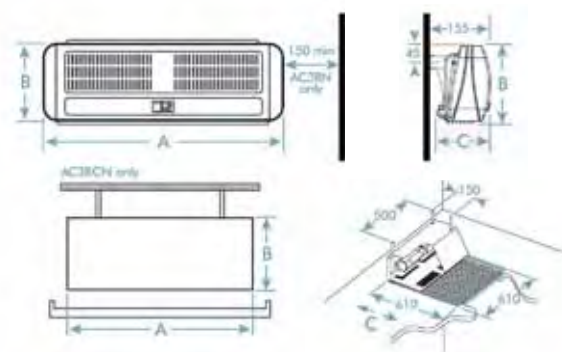
Model	ARC10	ARC15	ARC20
Length (A)*	1100mm	1600mm	2100mm
Height (B)*	450mm	450mm	450mm
Depth (C)*	360mm	360mm	360mm
Weight**	55–65kg	82.5–95kg	110–130kg

** dependent on final specification.

*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.

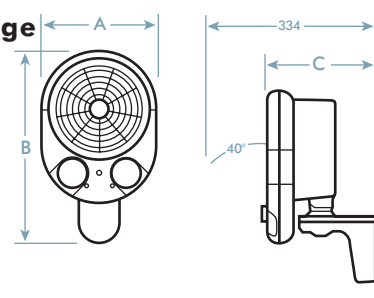
over door heaters pages 16–17 the AC surface and recess mounted ranges

Model	AC3N	AC3RN	AC45N	AC6N	AC3CN
Loading	1.5/3.0kW	1.5/3.0kW	2.25/4.5kW	3.0/6.0kW	1.5/3.0kW
Width (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



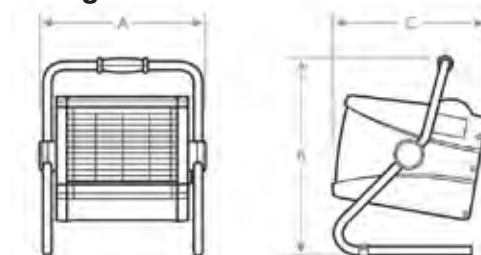
compact commercial fan heater page 20 the PFH range

Model	PFH30	PFH30R
Loading	3.0kW	3.0kW
Width (A)	230mm	230mm
Height (B)	378mm	378mm
Depth (C)	226mm	226mm
Weight	1.3kg	1.6kg



portable commercial fan heater page 21 the CFP range

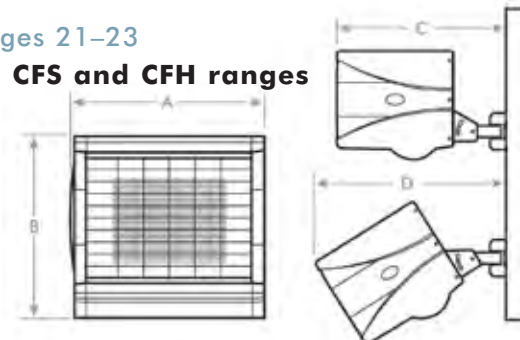
Model	CFP30
Loading	3.0kW
Width (A)	372mm
Height (B)	448mm
Depth (C)	347mm
Weight	7.6kg



commercial and industrial fan heaters pages 21–23

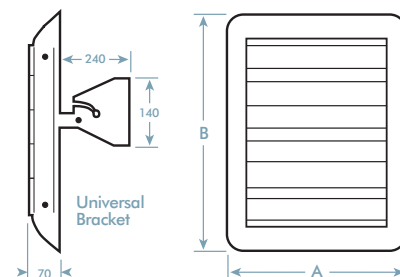
the CFS and CFH ranges

Model	CFS30	CFS/CFH60	CFH90	CFH120
Loading	3.0kW	6.0kW	9.0kW	12.0kW
Width (A)	306mm	386mm	386mm	386mm
Height (B)	262mm	360mm	360mm	360mm
Depth (C)	495mm	565mm	565mm	565mm
Max Depth (D)	530mm	630mm	630mm	630mm
Weight	7.6kg	13.5kg	14.5kg	14.5kg



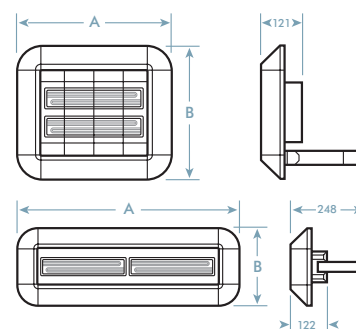
radiant Quartzray® heaters page 26 the QXD range

Model	QXD1500	QXD3000	QXD4500
Loading	1.5kW	3.0kW	4.5kW
Width (A)	440mm	440mm	440mm
Height (B)	256mm	380mm	506mm
Depth excl. bracket	70mm	70mm	70mm
Weight	3.7kg	4.3kg	5.8kg



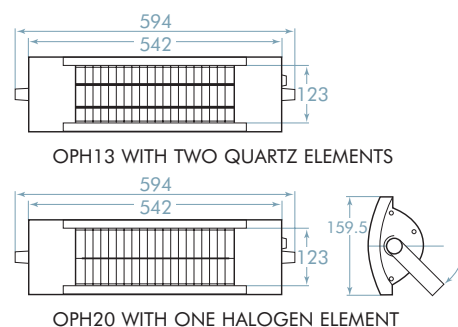
radiant ceramic heaters page 27 the CXD range

Model	CXD2000V	CXD2000H
Loading	2.0kW	2.0kW
Width (A)	422mm	735mm
Height (B)	380mm	255mm
Depth excl. bracket	121mm	122mm
Weight	5.35kg	5.1kg



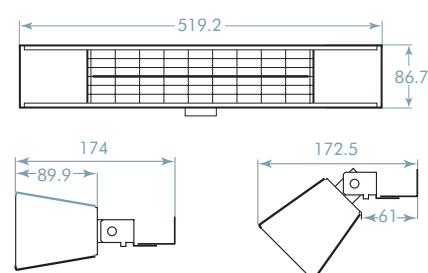
outdoor patio heaters page 28 the OPH range

Model	OPH13	OPH20
Loading	1.3kW	2.0kW
Width	594mm	594mm
Height	159mm	159mm
Depth	144mm	144mm
Weight	3.7kg	3.7kg



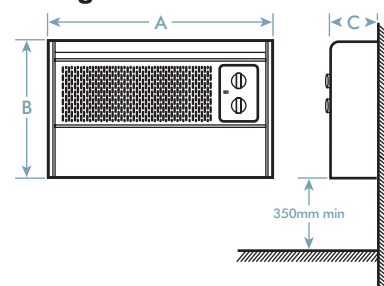
compact outdoor heaters page 29 the CPH range

Model	CPH10	CPH15
Loading	1.0kW	1.5kW
Width	519mm	519mm
Height	87mm	87mm
Depth	90mm	90mm
Weight	2.4kg	2.4kg



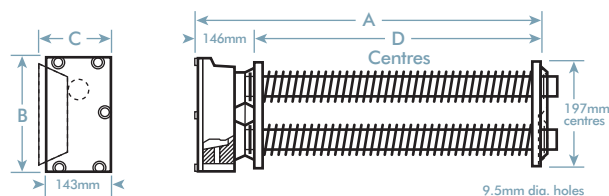
wall mounted fan convector heaters page 30 the WF range

Model	WFC3NB/S	WFE3TNB/S
Width (A)	575mm	575mm
Height (B)	350mm	350mm
Depth (C)	120mm	120mm
Weight	6.6kg	6.6kg



flameproof convector heaters page 31 the FXPH range

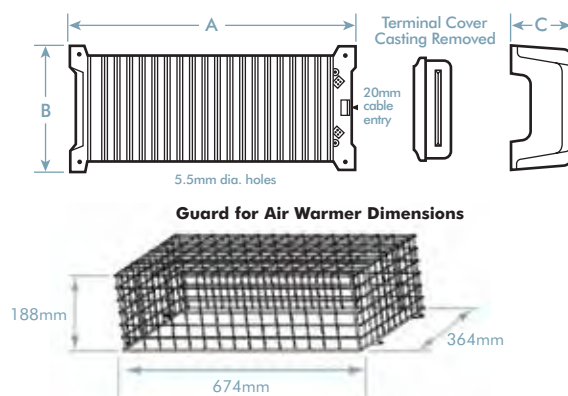
Model	FXPH1/42/750	FXPH1/60/1000	FXPH2/42/1500	FXPH2/60/2000
Width (A)	1067mm	1524mm	1067mm	1524mm
Height (B)	246mm	246mm	246mm	246mm
Depth (C)	182mm	182mm	182mm	182mm
D	870mm	1327mm	870mm	1327mm
Weight	14.7kg	16.4kg	20.3kg	23.6kg



FXPH1 only has 1 element. Product featured is FXPH2

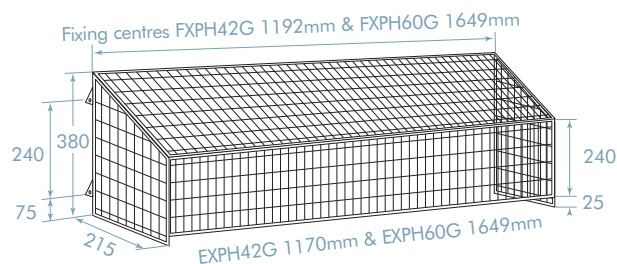
air warmers page 31 the HAW range

Model	HAW1000N
Width (A)	470mm
Height (B)	207mm
Depth (C)	115mm
Weight	14kg



flameproof heater guard

Model	FXPH42G	FXPH60G
Compatibility	FXPH1 models	FXPH2 models
Width	1170mm	1625mm
Height	380mm	380mm
Depth	215mm	215mm
Horizontal fixing centres	1192mm	1649mm
Vertical fixing centres	240mm	240mm



For details on our range of heat pumps please visit our website www.dimplex.co.uk or ring 0845 600 5111 for a copy of our comprehensive heat pump brochure.

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 details.

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.

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.

British Electrotechnical Approvals Board

BEAB Approved

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



CE Mark

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



Installation Guidance

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

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

The Dimplex Range

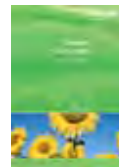
Dimplex offers the widest range of electric space and water heating products in the world – nearly 400 – to meet almost any heating need. In addition to this publication, we have a wide range of brochures for both domestic and commercial applications. Please visit our website for more information.



The guide



Solar heating brochure



Heat pumps brochure



Fires brochure



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Website: www.dimplex.co.uk/commercial

Tel: 0845 600 5111

Dimplex®
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A division of the GDC Group Ltd.

Millbrook House, Grange Drive, Hedge End, Southampton, SO30 2DF.

For Northern Ireland please contact – Glen Dimplex NI Limited, 5 Charlestown Avenue, Charlestown Industrial Estate, Charlestown Road, Craigavon, BT63 5ZF Telephone: 02838 337317