Heat Pumps

Dimplex®

Renewable heating for commercial buildings.

Help your clients enjoy greener, leaner heating for years to come.

dimplex.co.uk

Energy efficient heating solutions – from a name you can trust.

With an unmatched reputation for quality, reliability and innovation, Dimplex is a trusted name in both public and private sectors, from major home builders to housing associations. Recognised as the number one name in electric heating technology, we're synonymous with energy-saving products and have a commitment to excellence and customer satisfaction.

Our products, your benefits.

Tried and tested technology.

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

Wide distribution network.

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

Microgeneration Certification Scheme (MCS) approved.

At Dimplex, we offer a wide range of ground and air source heat pumps that are MCS certified and our solar thermal kits are Solar Keymark approved, this ensures eligibility for RHI and their quality and performance.

Customer service.

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

Product warranty*.

For extra peace of mind, Dimplex offers comprehensive product warranties to ensure continued performance and protection against manufacturing defects. Dimplex heat pumps have the benefit of a three-year warranty* with longer warranty options available on some models. EC-Eau cylinders, all variants, have a 25-year guarantee for the inner cylinder.

Full design service.

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

Standard Assessment Procedure (SAP) Appendix Q listed.

As SAP Appendix Q listed products, our ground and air source heat pumps can help achieve higher SAP ratings within a dwelling by including their measured performance data in SAP calculations, rather than default values for heat pumps.

* When installed by a Dimplex accredited installer.

Why switch to Dimplex renewable energy solutions?

Whether you run a school, factory, retirement home or any other commercial building, heating overheads can eat into your bottom line. You probably also want to improve your green credentials. With ever-tighter government legislation, reducing emissions and electricity consumption is crucial, or you could face financial penalties. Dimplex can help you:

- ✓ Reduce your energy consumption.
- ✓ Improve your green credentials.
- ✓ Save money on heating costs.
- ✓ Meet government legislation and avoid financial penalties.

Case study.

Three Dimplex 28kW air source heat pumps were installed in a new hotel to help meet Building Regulations and Merton Rule criteria. The freestanding units pre-heat the domestic hot water for the hotel with a flow temperature of 55 degrees Celsius.

> "Air source heat pumps were the obvious way to go for a hotel of this size and design to achieve the percentage of renewable energy required to meet the Merton rule and reduce carbon emissions."

Travelodge

Meeting the government's strict commitments.

The government is monitoring commercial buildings because they account for 18% of the UK's emissions.

Are you compliant?

The Building Emission Rate (BER) is continually being tightened. In fact, no new building gets planning permission unless it demonstrates an improvement in heating efficiency. Existing buildings are also being targeted. Businesses using more than 6,000MWh per year of electricity must comply with the Carbon Reduction Commitment (CRC) energy efficiency scheme or face penalties.

Dimplex heat pumps are the answer.

Our heat pumps can meet your demanding energy targets, both now and in the future. They can deliver effective, low-carbon heat and are easy to operate, offering a lower-cost alternative to traditional fossil-fuelled systems. Already a proven technology, Dimplex heat pumps have been established for over 30 years and are installed all over the UK.

Dimplex heat pumps:

- ✓ Help to achieve renewable energy targets.
- ✓ Deliver high seasonal efficiencies – cutting running costs and carbon emissions.
- ✓ Provide both space heating and hot water.
- ✓ Are suitable for retro-fit or new build projects.
- ✓ Are scalable and flexible to meet your future needs.

Case study.

Dimplex is delivering advanced degrees in economy for the heating and hot water systems for the student residences development next to the £81million campus at University of the West of Scotland, Ayr.

"Achieving the 'very good' BREEAM rating, the industry-leading standard for best practice in sustainable buildings, the development is at one of the UK's most modern, environmentally-friendly and sustainable higher education learning establishments, with a campus design inspired by the area's woodland surroundings."

University of the West of Scotland

What is a heat pump?

Heat pumps offer an energy-efficient alternative to furnaces and air conditioners.

Like your refrigerator, heat pumps use electricity to move heat from a cool space to a warm space, making the cool space cooler and the warm space warmer. During the heating season, heat pumps move heat from the cool outdoors into your warm house and during the cooling season, heat pumps move heat from your cool house into the warm outdoors. Because they move heat rather than generate heat, they can provide equivalent space conditioning at as little as one quarter of the cost of conventional appliances.

From energy.gov

What BREEAM means for you.

BREEAM is the world's foremost environmental assessment system. It is fast being adopted by the government and other bodies as the benchmark for lowering emissions. Dimplex heat pumps can help you meet BREEAM requirements, scoring credits on their rating system.

- ✓ Up to 15 credits are available in the 'Reduction of energy use and carbon emissions' sub-category.
- ✓ Three credits are available in the 'Low and Zero carbon technology' sub-category.
- ✓ One credit is available in the 'Energy monitoring' sub-category.

Case study.

Dimplex ground source heat pumps deliver low carbon heat enabling a hospital's new psychiatric unit to meet the NHS's target to be carbon zero by 2018.

"We wanted to incorporate the best practice in low carbon building technology and a partner to work with us. We chose Dimplex. Their heat pumps will help protect us from any future increases in energy prices."

Norfolk & Waveney Mental Health Foundation Trust

At the cutting edge.

Heat pumps are not a new idea, but our innovation and experience makes ours the most advanced.

A range to suit all needs.

Dimplex heat pumps come in various sizes and are scalable. They can be applied to all sorts of buildings, offering both small and large scale heating solutions. No matter what your choice of energy source (air or ground), there will be a solution in the Dimplex range to suit you. Most importantly, they offer energy and emission savings combined with an operational cost reduction.

Flexibility.

Our heat pumps can be combined with a wide number of fully compatible system accessories to provide complete flexibility in terms of system design.

Performance.

The Dimplex ethos is always to aim for the highest level of system efficiency, with our heat pumps designed to minimise energy use – no matter what the temperature or operating conditions.

Control.

Our comprehensive Dimplex heat pump manager provides complete system control over multiple heating and hot water circuits and, where needed, cooling functions. With a self-explanatory text display, it's also easy to operate.

Air Source

				Nominal rating (kW)	Indoor/ outdoor	Controller	Max. flow temp (°C)
Single Phase*	A-Class	Inverter		8-16	O	A-Class	65
	LA MI	Inverter		6-9	O	LA MI	55
Three Phase	LA TU	High efficiency		25-60	O	WPM	58-65
	LI TES	High output		9-28	I	WPM	60
	LI AS	High output		40	I	WPM	58
	LA TUR+	Reversible		35-60	O	WPM	60

Ground Source

				Nominal rating (kW)	Indoor/ outdoor	Controller	Max. flow temp. (°C)
Single Phase*	SIH ME	High temp.		4-11	I	WPM	70
	SI ME	Heating & hot water		14	I	WPM	58
	SIK ME	Integrated hydraulic components		16	I	WPM	55
Three Phase	SI TE	High output		30-130	I	WPM	58
	SI TU	High efficiency		18-90	I	WPM	62
	SIH TE SIH TU	High temp.		20-90	I	WPM	70
	SI TER+ SI TUR+	Reversible		30-130	I	WPM	5-58

* See website for details.

Dimplex heat pumps in action.

Retail & Commerce.

"We chose Dimplex heat pumps because we were confident that the technology delivers… we've been pleased with it for winter heating and summer cooling, delivering the comfort we expect and the all important energy savings."

The House of Bruar

Retirement Living.

"We investigated all sorts of options as part of our commitment to sustainability and using renewables. Dimplex delivered the most cost effective solution with air source heat pumps."

McCarthy & Stone

Social Housing.

"The Dimplex heat pumps allowed us to seize the opportunity to do something significant with the refurbishment at Austin House. Early feedback from the mainly older residents is extremely positive and they have quickly got used to getting the best from their new heating system."

Walsall Housing Group (whg)

Education.

"The Dimplex high efficiency air source heat pump is part of an ongoing program of energy savings measures, which has won 'green' awards and seen savings of 20% on fuel bills."

St John Lawes secondary school, Hertfordshire

Specifications

Dimplex policy is one of continuous improvement; the Company therefore reserves the right to alter specifications without notice. The information contained in this brochure is correct at the time of printing. You are advised to consult your Dealer before purchasing.

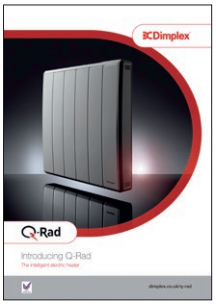
Installation Guidance

This brochure is 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 manufacturer's instructions.

The Dimplex Range

Dimplex offers the widest range of renewable energy, electric space and water heating products in the world – over 700. In addition to this publication, we have a wide range of brochures for both domestic and commercial applications. Please visit our website **www.dimplex.co.uk** for more information.

Quantum off-peak heater brochure



Q-Rad electric radiator brochure

Quantum hot water cylinder brochure

LST brochure

Commercial brochure

Towel rail brochure

Electric fires brochure

Renewable heat for installers brochure

Renewables at home brochure

Solid fuel brochure

To find out how Dimplex heat pumps can help you meet green legislation and improve the cost-efficiency of your heating, please contact us:

Visit: **dimplex.co.uk/renewables**

Email: **presales@dimplex.co.uk**

Call: **0844 879 3588**

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