



CI/SFB (56)



The electric heating and hot water system that adapts to its environment









### The latest innovation from a world leader in energy efficient heating solutions

For over 60 years, Dimplex has built its portfolio to the point where it is now the brand leader in electric space and water heating, offering a selection of over 700 products within the electric space heating sector alone – the widest in the world. Its growth can be attributed to providing affordable heating solutions that are efficient, reliable and durable, as well as attractively designed.

- Tried and trusted by installers, specifiers and end users alike
- The world's largest electric heating appliance manufacturer
- Backed by an award winning customer services team
- Member of ECA, EDA and BEAMA
- Free heating design service
- Over 45 million heaters sold via the trade in the UK alone
- Part of the multinational Glen Dimplex Group

#### With a proud reputation for continued investment in quality and innovation, Dimplex is delighted to introduce its latest innovation – QUANTUM.

Designed and developed by our own in-house team of experts and manufactured in our own factory in Northern Ireland, Quantum is up to **27% cheaper** to run and uses **22% less energy** than comparable static storage heaters.

QUANTUM - adapting to change



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QUANTUM

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### The future is electric

### The future is Quantum®

The UK heating market is changing – fast. Rising CO<sub>2</sub> emissions, new legislation and spiralling fuel costs mean finding a more energy-efficient way to heat our homes is now a priority.

Electricity is moving to a low-carbon source of generation. As it does so, it will become a universal and versatile source of energy.

Technologies that use electricity to generate heat are well placed to become major low-carbon heating technologies in the coming decades."

> DECC Future of Heating

Dimplex, the world's largest manufacturer of electric heating products, is shaping the future of electric heating. They have developed a revolutionary system that combines state-of-the-art electric heating with an economical demand response management tool. The culmination of three years' research and development, the Dimplex Quantum Heating System provides the world's most advanced electric space and water heating management system. The result: optimal efficiency, comfort and control.

Why so advanced? Quantum is designed to use low-cost, low-carbon energy from nationally generated renewable sources, such as hydro-electric, solar photovoltaics and wind turbines. It has the ability to store this energy during periods of low demand, turning it into cheap, efficient heat only when it's needed.



### Quantum®

### A unique concept in electric heating

### The Quantum Heating System gives homeowners a low-cost, low-carbon, electric heating system.

The system offers unrivalled running costs, and will use decreasing amounts of carbon over its lifetime.

#### **The Quantum Room Heater**

- Uses off-peak tariffs for low running costs on a room-by-room basis it is expected that 90% of the heating requirement will be met by off-peak energy
- Automatically adjusts to the user's needs through its dynamic storage capacity
- Precisely matches the user's chosen heating profile
- Easy-to-use, electronic user interface with LCD display complete with:
  - room temperature setting
  - seven-day programmer
  - installer settings

The Quantum heater uses off-peak tariffs for lower running costs, providing up to 22% annual energy saving and up to 27% annual running cost saving, compared to a system using manually controlled static storage heaters.

- Designed to operate on any off-peak tariff
- Fan-assisted output for extremely rapid heat-up time
- Soft-start, ultra quiet fan for minimum intrusion
- Boost element ensures heat is always available even with unexpected demand
- Attractive, state-of-the-art design
- Compact design (no deeper than a double wet radiator) with flexible mounting options and adjustable feet positions
- Covers previous 'fixing marks' of most comparably sized traditional storage heaters
- Optional communications link for demand side management to help stabilise the electricity supply network<sup>\*</sup>

### The Quantum Cylinder\*

Class-leading and intuitive, smart energy storage water vessel.

- Purpose designed to give unrivalled heat retention
- Provides mains pressure hot water for fast-filling baths and powerful showers
- Manufactured from stainless steel with a 25-year warranty
- Choice of five sizes, ranging from 125 to 300 litres – in unvented form
- Advanced controls with feedback on hot water availability – so no surprise cold showers!
- Hard-wearing, black insulation outer shell made from recycled materials
- Delivers a long-life, low-maintenance, economical hot water supply
- Two-way communications potential, allowing demand side management

The class-leading and intuitive Quantum Cylinder is a long-life, low-maintenance, economical hot water supply system.







### The Quantum Hub\*

An optional system manager.

- Facilitates the two-way communication between the Quantum appliances and the energy supply company
- Completely automated and pre-set no need for user input
- Uses future-proofed technology to support changes in energy supply
- Compact (A5) size and may be mounted discretely anywhere within the property
- Enables the Quantum appliances to be connected to one permanently live electrical circuit – and still benefit from off-peak rate costs
- Transceiver required for each Quantum appliance



\*Available summer 2014

### Quantum® vs other fuels

### Running Costs Comparison

It is not possible for us to provide detailed information on expected Quantum heating running costs for every property type because there are so many variables to consider – the heat loss of the property, which electricity tariff will be used, how long the heaters will be on, what temperature the thermostat has been set to and what will the weather do! All of these factors need to be taken into account when working out the likely running cost of a heating system.

However, Quantum is recognised in the recently released SAP2012 (the government recommended system for measuring the energy performance of residential dwellings) as being up to 27% cheaper to run, and using up to 22% less energy than a standard storage heater. This is mainly due to its improved insulation and extremely advanced controls. Quantum is categorised as a 'High heat retention storage heater', within SAP2012, and will be included in the RdSAP revision in Spring 2014.

There is often confusion about the running costs of electric heating compared to other fuels, yet this is something that is easy to model. However, the real annual cost of the system must take into account not only the fuel used but the cost of maintaining the system. The table below has been constructed using SAP software updated with SAP2012 parameters and shows comparative annual running costs for four fuels in four different property types.

Home Type	Heater	Responsiveness	Space Heating Energy Demand	Main Off Peak Energy Use	Secondary Peak Rate Energy Use	Boiler/ Heater Annual Efficiency	Space Heating Cost	Annual Service Cost	Ancillaries Cost	Total Running Cost
	Quantum	0.80	3142 kWh	90%	10%	-	£227.57	-	£2.45	£230.02
	Gas	1.00	3084 kWh			84%	£247.77	£75	£15.83	£338.59
1 Bed Flat	Oil	1.00	3084 kWh			84%	£199.73	£90	£29.02	£318.75
	LPG	1.00	3084 kWh			84%	£349.03	£75	£15.83	£439.86
	Quantum	0.80	3990 kWh	90%	10%	-	£276.68	-	£2.45	£279.13
2 Bed Flat	Gas	1.00	3083 kWh			84%	£277.55	£75	£15.83	£368.38
	Oil	1.00	3083 kWh			84%	£246.29	£90	£29.02	£365.31
	LPG	1.00	3083 kWh			84%	£414.08	£75	£15.83	£504.91
	Quantum	0.80	4308 kWh	90%	10%	-	£303.12	-	£2.45	£305.56
2 Bed	Gas	1.00	3973 kWh			84%	£284.61	£75	£15.83	£375.44
Mid- Terrace	Oil	1.00	3973 kWh			84%	£257.33	£90	£29.02	£376.35
	LPG	1.00	3973 kWh			84%	£429.50	£75	£15.83	£520.33
	Quantum	0.80	6681 kWh	90%	10%	-	£456.86	-	£2.45	£459.31
3 Bed	Gas	1.00	6231 kWh			84%	£378.13	£75	£15.83	£468.96
Semi Detached	Oil	1.00	6231 kWh			84%	£403.52	£90	£29.02	£522.54
-	LPG	1.00	6231 kWh			84%	£633.74	£75	£15.83	£724.57

### Low running costs

Great advances in insulation technology and controllability ensure the Quantum heater is up to 27% cheaper to run and uses up to 22% less energy than other comparable electric heaters.

The Quantum heater uses insulation material which comes close to the lowest theoretically possible thermal conductivity an insulation with a thermal conductivity even lower than that of still air.

Better still, Quantum uses off-peak tariffs whenever possible to minimise costs, so users can enjoy all the benefits of electric heating, with running costs unattainable by other direct acting electric systems. And to top it all, the Quantum heater is easy to install and virtually maintenance free.

### The Quantum Room Heater will:

- · Intelligently monitor weather and usage patterns, learning from and adapting to them, delivering heat accordingly
- · Work seamlessly with the grid, using off-peak tariffs whenever possible to minimise user costs and maximise efficiency
- · Closely follow target room temperature, intuitively adjusting settings using a thermostat that is accurate to within a fraction of a degree (C)
- · Respond quickly to changing climate and room temperature conditions, and alter configurations automatically

All of this adds up to highly controllable heating, with exceptionally low running costs.



7 day programmer with 3 pre-set (adjustable) timer profiles, display adjustment. Holiday mode giving frost protection, landlord setting, child lock setting and many more features.

Holday



Easy to use controls

## High controllability Incredibly simple



Target temperature display is colour coded to assist visually impaired. Rotary knob adjusts target temperature and enables menu scrolling and selection. The heater intuitively and precisely responds to user lifestyle and climate conditions, delivering just the right amount of heat. Of course, if an individual wants to adjust heat levels manually, he or she can – using the built-in, state-of-the-art controls.

#### End users can:

- Manually adjust heat levels via the easy-to-use, built-in electronic interface with LCD display, advance/menu/back buttons and rotary 'click' selector
- Choose and adjust preset programmes, such as 'Home all day', then sit back and relax as the Quantum Heating System takes control

Quantum intuitively follows target room temperature, adjusting settings using a thermostat that is accurate to within a fraction of a °C.



### Quantum®

### Benefits for all

### Harnessing low-carbon, low-cost electricity, the Quantum heater delivers the future of heating, today.

Whether you're specifying, installing, living or working with Quantum, you'll quickly realise the benefits that this dynamic heating system has to offer.

#### **Specifier Benefits**

For private developers, social housing providers and private landlords.

- Attractive, state-of-the-art design superior to other storage and wet systems
- Uses low-cost, low-carbon, future-proofed technology
- · Easy to specify within SAP
- Available in a range of heater sizes, enabling greater flexibility in project specification
- Virtually maintenance free
- Compact with adjustable feet positions
- Covers previous 'fixing marks' of most comparably sized traditional storage heaters
- Easy to use controls to reduce user confusion

#### **End User Benefits**

- Attractive, state-of-the-art design superior to other storage and wet systems
- · Completely automatic once set up
- Economical to run, helping to alleviate the increasing problem of fuel poverty
- Offers improved comfort levels, heating only when required
- Accurate room temperature control with a thermostat accurate to +/- 0.3°C
- Responsive to changes in external temperature
- Uses a future-proofed, nationally-supplied fuel source
- Delivers high reliability and very low maintenance

### **Installer Benefits**

- Simple to install with separate instructions for both installer and user
- Includes an electronic controller pre-loaded with time/date and commissioning programme
- Reversible cable entry points and adjustable feet to ensure the chassis covers previous 'fixing marks' of most comparably sized storage heaters
- Easy to use controls to reduce user confusion

Our residents are very pleased and are getting used to the controls quite easily as the thermostat is easy to see on top of the heater and it can be turned up or down, giving virtually instantaneous results."

Specifier

I've been renovating the house and definitely didn't want the hassle of running gas in not to mention the cost. And when my friend who is an installer said always go for Dimplex, they are the best, the whole process was easy from there on."

End Use

'I find the Quantum heater brilliant to install, very straightforward and easy. We're installing them all the time now."

Installer





#### Quantum meets stringent safety tests

Recognised across the UK and Europe, the BEAB Approved Mark demonstrates the safety pedigree of a product.



Intertek

It shows commitment to best practice, producing quality goods and customer safety. This is the highest safety standard achieved in the UK.



#### The Green Deal

Quantum has been accepted as a Green Deal 'measure' by the department of Energy and Climate Change.

The Green Deal is an innovative government-backed financing mechanism that lets householders pay for energy-efficient improvements through savings on their energy bills.

As the 'golden rule' of the scheme is that the expected energy savings must be greater than the cost of the improvements, by installing Quantum householders should save energy and money – as well as helping the environment.

See the following for further information: www.gov.uk/greendeal



### HOW TO BUY A QUANTUM

Follow the three step guide below to start benefitting from this system as quickly as possible.

### Step One – How many heaters do I need?

Use our free heating design service to establish how many units, and of which size, are needed for your application, since the total heat output has to be matched to the heat loss characteristics of your property. More details on this service are available on page 15 of this brochure or at www.dimplex.co.uk/heatdesign.

Once we have completed the heat loss calculation, we can provide a list of which heaters are required for each room.

#### Step Two – Find an installer/wholesaler

This product list can then be used to establish a cost for the heaters and their installation by a local electrician.

We do not sell directly to the public, but via a range of electrical wholesalers. These wholesalers stock our products and will sell to your electrician.

Details of wholesalers stocking and displaying a Quantum heater, and electricians in your area can be found on our website. Please visit www.dimplex.co.uk/quantum.

#### Step Three – Using Quantum

Once installed follow the Quick Start Guide and read the information in the operation instructions to set up the product. A copy of the Quick Start Guide is available to order via our customer services team on 0844 879 3587, or via our website.

After initial setup the selected room temperature will automatically be maintained during the periods when heat is required, leaving you with a comfortable home at an affordable cost.





**Dimplex Quantum** 

### Quantum<sup>®</sup> Heater

### Technical specifications

Model No.	Height	Depth	Width	Installed Weight	
QM070	730mm	185mm	703mm	83kg	
QM100	730mm	185mm	865mm	107kg	
QM125	730mm	185mm	1069mm	135kg	
QM150	730mm	185mm	1069mm	155kg	
Model No.	Output Rating	Input Rating	Max. Storage Capacity	Boost Element Rating	
QM070	700W	1560W	10.9kWh	630W	
QM100	1000W	2200W	15.4kWh	880W	
QM125	1250W	2760W	19.3kWh	1130W	
QM150	1500W	3300W	23.1kWh	1300W	

#### ENERGY CELL PACKS – Packaged separately, required in the following quantities:

Model No.	QM070	QM100	QM125	QM150
Energy Cell Packs Required	6	8	10	12

Controls	Electronic user interface with LCD display offering room temperature setting, seven day programmer, installer settings, three pre-set timer profiles, holiday setting and more.
Charge Controller	Fully automatic charge controller incorporates self learning algorithms to optimise daily energy storage, using multiple sensors to automatically adjust the charge taken based on recent energy use patterns and future programmed requirements.
Thermostat	Electronic – accurate to +/- 0.3°C.
Safety Devices	Electromechanical limit thermostat (self resetting). Electromechanical cut-out (manual reset). Electromechanical over temperature thermostat for fan. Electromechanical over temperature limit thermostat for fan.
Fan	Low rev/low noise heat circulation fan with variable speed and soft start.
Storage Core	High density bonded magnetite energy cells.
Thermal Insulation	Front, rear top and ends – microporous silica. Base – calcium silicate slab.
Colour/Finish	White.
Battery Backup	3.3V coin cell battery to backup real time clock. Battery life > 5 years.
Supply	230-240V / 50Hz. Off-peak + 24 hour supply required.
Approvals	BEAB / EN60335 / EMC / CE.
Warranty	2 years.

### Comparative test

### Quantum<sup>®</sup> vs static storage heater

### **CLIMATE ROOM TEST CHAMBER**

A climate room was built to accurately replicate a room from typical UK housing stock. It has two external walls and two internal walls, and the temperatures outside all walls, ceiling and floor are accurately controlled.

The U values of walls, windows and door are as follows: Room dimensions 4m x 3m x 2.4m

U values:	
Double layer solid brick outer walls	2.0
Insulated internal walls and ceiling	0.34
Insulated floor	0.25
UPVC double glazed window	3.3
UPVC double glazed door	3.0
Air change rate	1 A/C per hour

### THE TEST

A daily temperature profile was set up outside the two external walls to simulate an average heating day in a property based in Sheffield, England.

Minimum outside temperature	+4°C
Maximum outside temperature	+11°C

The heating periods were set at 07:00 to 09:00 and 16:00 to 23:00. The target room thermal comfort temperature was 21°C.

The following heaters were tested under these conditions:

- 3.4kW (input) static storage heater with manual charge control

   supplemented with a direct acting heater
- 2.8kW (input) Quantum heater (QM125)

### RESULTS

#### Room Temperature Profile

Quantum 125 vs Conventional Static 24kWh Storage Heater & Direct Acting Heater

#### Average weekday profile

Quantum energy use = 10 kWh + 0.2kWh (fan) = 10.2kWh - 9 hours heating @ 21°C

Conventional storage energy use = 12.2 kWh + 1.3kWh direct acting supplemetary heating = 13.6kWh - 9 hours heating @ 21°C





### Quantum<sup>®</sup> Cylinder

### Technical specifications

Cylinder Model	Volume	Height	Diameter	T&P Valve	Immersion 1	Immersion 2	Cylinder Model	Volume	Height	Diameter	T&P Valve	Immersion 1	Immersion 2
QWCd 125	1251	945mm	580mm	720mm	208mm	570mm	QWCd 250	2501	1765mm	580mm	1540mm	208mm	1265mm
QWCd 150	1501	1115mm	580mm	890mm	208mm	650mm	QWCd 300	3001	2065mm	580mm	1840mm	208mm	1495mm
QWCd 210	2101	1490mm	580mm	1265mm	208mm	820mm							
Туре		• U	nvented s	systems	Direct of	cylinders							
Colour /	Finish	• B	lack										
Controls		• M • U • "E • H • U	lodern, ea ser adjus Boost" imr ot water v ser can s	asy-to-rea table cylin nersion h volume av et water t	ad display nder water eater for ra vailability di emperatur	temperature apid respons isplay e	ctronic contro e to +/- 1°C e short-term pon reaching	use		Ire			
Technica features	1	<ul> <li>B</li> <li>H</li> <li>ar</li> <li>C</li> <li>Ar</li> <li>A</li> <li>-</li> </ul>	i-direction igh level e nd local (H ommunic utomatic s lgorithm s Hot wate How mud	al comm energy m Home Are ates store sterilisation pecificall er volume ch more of	anagemen ea Network ed water vo on function ly calculate energy can	t system inte () <sup>1</sup> blume and te s: be stored ir	ty of specific eracts with ex emperature n the tank unit efined period	til the ma	Wide Are	a Networ	k)		
Cylinder	size	<ul> <li>12</li> <li>15</li> <li>21</li> <li>22</li> <li>25</li> <li>30</li> </ul>	10I 50I	<b>Storag</b> 7.1kW 8.8kW 12.7kV 15.3kV 18.4kV	h h Vh Vh	y @ 65°C w	ater (∆T 55k		Heat los 0.95kWh 1.1kWh 1.4kWh 1.55kWh 1.96kWh		4 hours (	∆T 45k)	

### **Unrivalled Heat Retention**

- The Quantum Cylinder has been purposely designed to give unrivalled heat retention.
- 60mm injected polyurethane foam insulation.
- Recessed immersion to minimise heat loss.
- Side water draw off minimises heat loss through the top of the cylinder.
- Heat losses are significantly lower than the Central Heating System Specification (CHeSS) requirement.
- Up to 47% improvement in heat loss characteristics.

#### **Cylinder Heat Loss Comparison**



This graph illustrates the standing heat loss of a range

of Quantum Cylinders against a range of references.

### Notes – Cylinder Heat Loss Comparison Graph

- Dimplex Quantum values measured for direct electric cylinder in accordance with EN12897 at a temperature difference between water (65°C) and ambient (20°C) of 45K.
- CHeSS standard and best values in accordance with central heating system specification CE 51 2008, and Energy Saving Trust publication.
- Red Jacket calculation based on 80mm fibre glass insulation.
- Spray foam cylinder heat loss data taken from competitor product range. The stated insulation thickness is 35mm.
- It should also be considered that cylinder replacements are covered under Part L1B of building regulations (conservation of fuel and energy). Part L1B refers to the Domestic Building Compliance Guide which calls for cylinders to have a heat loss of no more than the high level products as specified in CE 51 2008.

<sup>1</sup>Additional components required

### Heater sizing guide

Dimplex provides a number of options, to meet different property and timescale requirements. If you need to obtain an indication of the heating requirements for estimating or if you need heating for one or two rooms, please use this Selection Guide. Alternatively use our online calculator at www.dimplex.co.uk/heatdesign For single properties, please complete the form on our website (also at www.dimplex.co.uk/heatdesign) and send it with a sketch plan to our heating design department. We aim to provide an accurate assessment within 7 working days.

For multiple properties, please send us comprehensive scale drawings (scale 1:50 or 1:100) together with construction details and any other relevant information. We offer a 14 working day service for this type of assessment.

Our contact details are:

email: heat.design@dimplex.co.uk Heating Design Team, Dimplex, Millbrook House, Grange Drive, Hedge End, Southampton SO30 2DF The tables below provide heater sizing guidance for Quantum heaters. Knowing the floor area, the wall construction and the number of outside walls, the heater loading in kilowatts is indicated in the appropriate table. These tables do not take into account particularly

old properties or those built very recently. If your property fits into one of these classifications, please complete the form on our website (www.dimplex.co.uk/heatdesign) so that we can provide a more accurate assessment.

### Living or dining room: Quantum Heater loading in kW. Temperature 21°C

i leater it	baung in Ki	v. remper		/						
Floor area	Solid wa no. of ou	lls itside wall	s	Cavity w no. of ou	alls itside wall		Insulated cavity walls no. of outside walls			
12	1.84	2.16	2.88	1.60	1.92	2.48	1.12	1.28	1.68	
16	2.08	2.48	3.20	1.84	2.32	2.88	1.36	1.60	1.92	
20	2.64	3.12	3.92	2.32	2.72	3.44	1.68	1.92	2.32	
24	2.96	3.44	4.32	2.64	3.12	3.76	2.08	2.32	2.64	
28	3.28	3.92	4.80	2.96	3.44	4.24	2.16	2.48	2.96	
32	3.52	4.32	5.28	3.28	3.76	4.72	2.40	2.72	3.20	

#### Bedrooms: For bedrooms panel heaters are recommended. Heater loading in kW Temperature 18°C

	o a ann g nn na	in iompor		~						
Floor area	Solid walls no. of outside walls				Cavity walls no. of outside walls			Insulated cavity walls no. of outside walls		
8	0.8	1.3	1.7	0.8	1.0	1.4	0.8	0.9	1.4	
12	0.9	1.8	2.3	0.9	1.4	2.1	0.8	1.4	1.8	
16	1.2	2.1	2.7	1.0	1.7	2.2	0.9	1.6	2.1	
20	1.4	2.2	3.1	1.2	2.0	2.6	1.0	1.8	2.4	
24	1.5	2.3	3.4	1.2	2.1	2.9	1.0	1.9	2.5	

#### Kitchen: Quantum

Heater loading in kW. Temperature 18°C

Floor area	Solid wa no. of ou	lls itside wall	s	Cavity w no. of ou	alls Itside wall	s	Insulated cavity walls no. of outside walls			
10	1.28	1.68	2.32	1.12	1.60	1.92				
12	1.52	2.16	2.64	1.36	1.84	2.32		all kitchens w v wall insulat		
14	1.68	2.40	2.88	1.60	2.08	2.48		eating is pref		
16	1.92	2.64	3.12	1.68	2.32	2.72		0 1		

Commercial heating For greater control and economy of operation Quantum heaters are recommended. Sizing is based on a single storey with a ceiling height of 3m and a minimum of 75mm of roof insulation.

#### Office: Quantum

Heater leading in kW. Temperature 21°C

i leater i	Theater loading in two. Temperature 21 O									
Floor area	Solid wa No. of ou	ills utside wal		Cavity walls No. of outside walls			Insulated cavity walls No. of outside walls			
15	2.16	2.96	4.08	2.00	2.56	3.52	1.68	2.08	2.64	
20	2.64	3.52	4.48	2.40	3.12	4.00	2.08	2.56	3.12	
25	2.96	4.08	5.20	2.72	3.68	4.56	2.40	3.04	3.60	
30	3.52	4.72	5.84	3.36	4.24	5.20	2.88	3.52	4.16	
40	4.80	5.92	7.68	4.40	5.36	6.72	3.92	4.48	5.36	
50	5.28	6.80	8.40	4.96	6.24	7.44	4.48	5.28	6.08	

# A world of expertise



#### **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.



tires



Domestic heating brochure

Heat pump brochure



Designer panel heating brochure



Solar thermal brochure



Towel rail brochure

whattin

SmartRad brochure



Commercial brochure



Solid fuel brochure

### For more information on Quantum, please

Electric fires brochure

visit: www.dimplex.co.uk/quantum email: customer.services@dimplex.co.uk or call: Trade – 0844 879 3587 Consumer – 0844 879 3588

For Republic of Ireland, contact Dimpco on +353 (0)1 8424 277, email sales@dimpco.ie or visit www.dimpco.ie

A division of the GDC Group, Millbrook House, Grange Drive, Hedge End, Southampton SO30 2DF For Northern Ireland, contact Glen Dimplex N.I. Limited, Unit No 24, Seagoe Industrial Estate, Portadown, Craigavon, Co. Armagh BT63 5TH

Products within the Quantum range are protected by one or more of the following patents and patent applications:

Great Britain GB2481048, GB 2487147, GB 2487148, GB 1101971.8, GB 1205302.1, GB 1212547.2, GB1212546.4, GB 1304025.8 Australia AU 2011263698, Canada CA 2,801,973, Chile CL 03468-2012, European EP 11731288.4, New Zealand NZ 604163, South Africa ZA 2012/09378, United States US 13/703,068, China CN 201180037404.2, Japan JP 506280052





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