

The Renewable Energy Hub

INFRARED HEATING



LEADING THE WAY IN INNOVATION

INFRARED HEATING

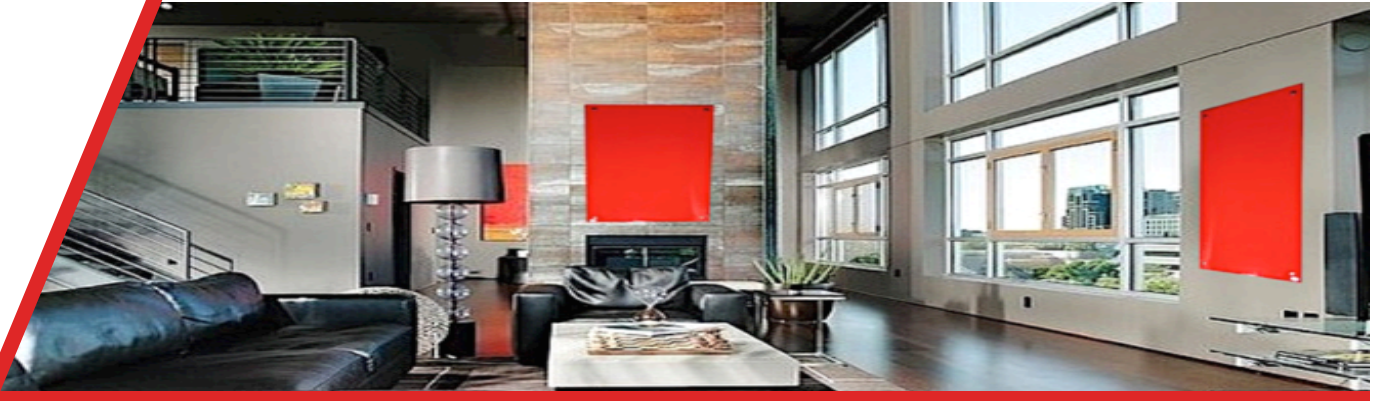
WELCOME

Welcome to the complete range of infrared heating. We offer the latest in modern space heating, ideal for both domestic and commercial environments. There is ever increasing market awareness of the benefits and superior levels of comfort that infrared heating offers.

Providing 100% natural energy from our state of the art nanotechnology carbon crystal element, our silent-running heaters offer total controllability, whilst savings are typically between 20% to 50% compared with traditional heating systems.

- No moving parts, no maintenance, no annual inspections, no servicing.
- Stylish contemporary designs.
- 100% natural energy conversion, with an independently assessed ERP rating of A+.
- Easy and simple installation.
- Total control, including remote App access.
- No CO₂ emissions.





RADIANT HEAT BENEFITS

The sun is the original source of the infrared spectrum.

53% of the energy from the sun is infrared heat, 44% is visible light and 3% is ultraviolet light.

Whilst we have enjoyed the sun's benefits since the dawn of time, it is only within the last 150 or so years that we have developed our understanding of infrared wavelengths.

The sun does not heat the air itself; rather it heats objects and the earth's surface. Regardless of how warm it is at the foot of a building, it will be somewhat cooler at the top, even though it is nearer the sun. This is because the sun's energy heats the mass of the earth, building and ground, not the air directly; everything emits radiant heat.

It is recognised that a few people in a small room can emit sufficient heat to increase the temperature significantly, as warmer 'objects' transfer heat to the cooler ones. Infrared is a natural source of energy known for its direct heating capability, as well as providing several potential health benefits.

Infraheat heat is different from traditional convection heat in that it does not cause constant air circulation, and therefore provides a much more even distribution of heat and temperature.

COMPARISON OF HEAT

Standard Convection



Convection Heat

Convection heat is constantly at odds with the air in a room, and the best way to address this is by keeping the doors closed and having triple-glazing windows and insulated walls in your home.

This method of heating relies on the circulation of warm air around a room, varying the temperature by as much as 5°C as the warmer air rises as a characteristic.

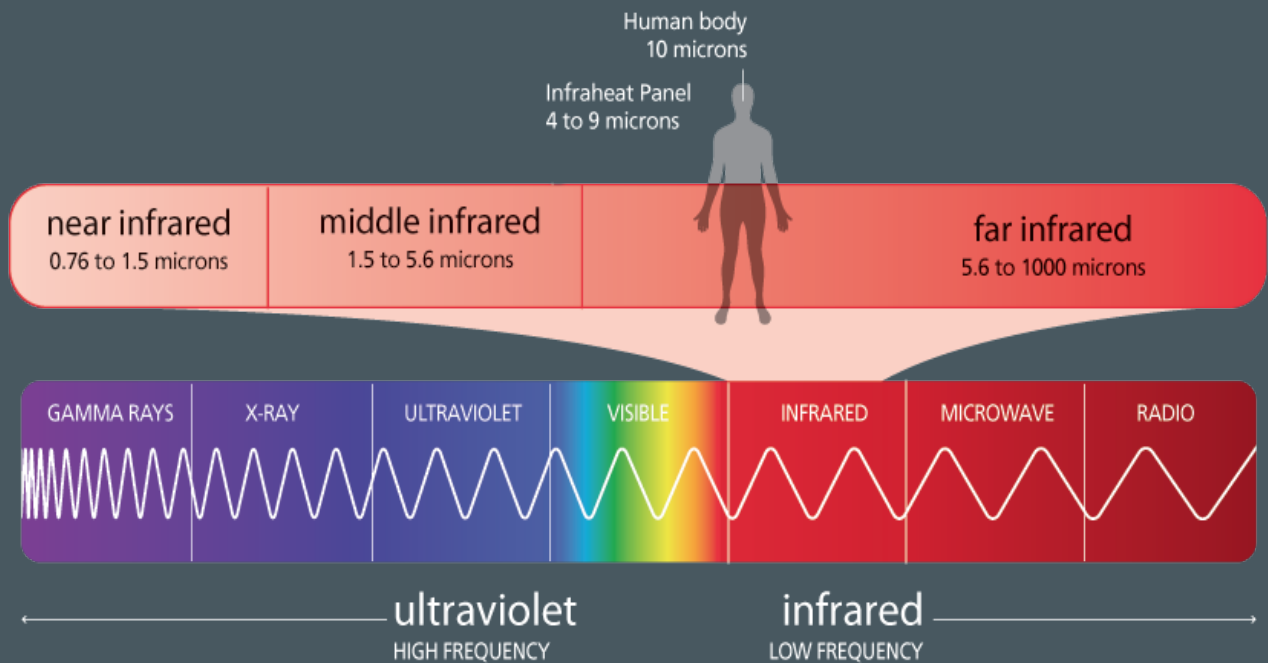
Infraheat Panels



Direct Radiant/Infrared Heat

The Infraheat Panels emit radiant heat, and the infrared energy will be stored in the walls, ceilings and floors of your home. Each room is therefore heated by the energy emitted from these objects. This results in a much more evenly heated space, with no heat circulation and a more comfortable living space.

ELECTROMAGNETIC SPECTRUM



HEALTH BENEFITS

in **harmony** with the
human body

The human body emits infrared heat at a wavelength of around 10 microns. This is very close to the Infraheat Panels that operate at between 4 and 9 microns. This means that the human body is able to easily absorb the heat energy.

Whilst making no specific claims on the health benefits of radiant heat, many re-knowned studies have identified a range of benefits to health and wellbeing.

Globally, over 10,000 academic papers have identified the beneficial effects of infrared on several medical conditions.

Health benefits* include help with:

- Rheumatoid arthritis
- Breathing problems, such as asthma
- Joint complaints
- Circulation
- Pain relief
- Detoxification of the blood
- Compression fractures
- Skin conditions, such as acne, psoriasis and eczema

*The McGraw-Hill Encyclopaedia of Science and Technology reports medical practitioners make use of far Infrared radiant heat to treat sprains, strains, bursitis, peripheral vascular diseases, arthritis, and muscle pain.

INFRARED HEATERS

ALUMINIUM HEATERS

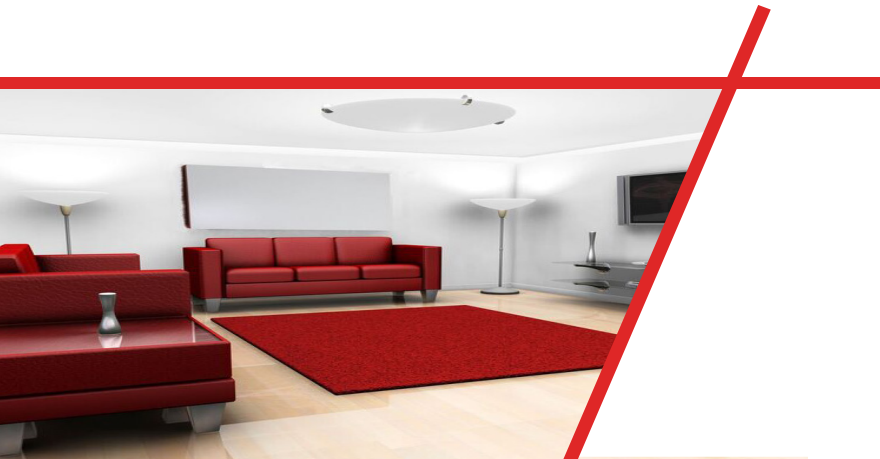
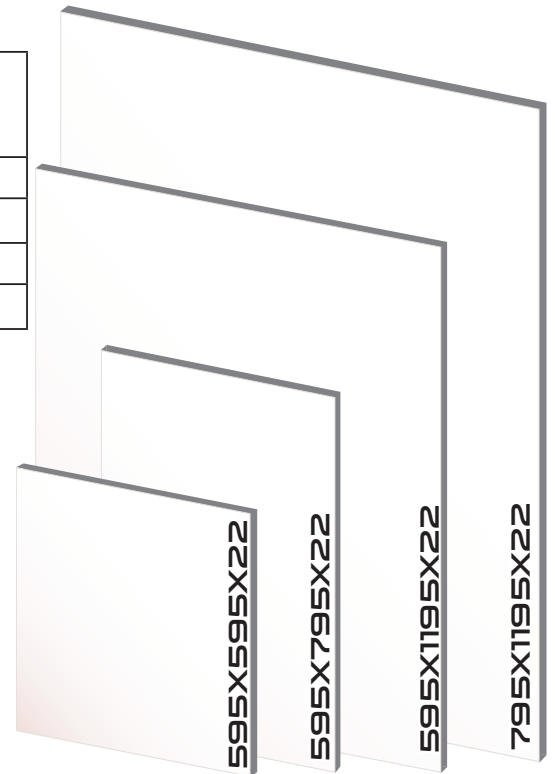
Our Satin Aluminium heaters are the most flexible panels we offer, in terms of both range width and flexible positioning options (wall or ceiling mount). Operating at a fraction of the cost of traditional heating, they offer superior thermal comfort levels.

Panels include bespoke options of an extensive range of colours, as well as print options from our extensive designer range or alternatively you can choose your own portraits or favourite images (minimum 6000 pixel image required).

These panels can be used in both domestic and commercial office environments; they can fit easily into a standard suspended ceiling or alternatively can be used in conjunction with our ceiling kit.

PRODUCT RANGE

Satin White Aluminum Panels	350W	500W	800W	1200W
Dimensions	595x595x22	595x795x22	595x1195x22	795x1195x22
Heating Coverage	5.83 m ²	8.33 m ²	13.33 m ²	21.23 m ²
Service Life	20 years	20 years	20 years	20 years
Warranty	10 years	10 years	10 years	10 years



GLASS HEATERS



WHY CHOOSE GLASS?

- Designer-inspired look and elegance
- High output infrared
- Consistent thermal comfort
- Robust reinforced toughened glass with easy wipe-clean maintenance

Our range of glass infrared heaters is stylish and elegant, offering a heat output unsurpassed by any other infrared supplier. The product is currently available in two panel sizes, 450 and 900 watts.

Standard colours are black and white, with other colours available, depending upon order quantity.

Glass is an excellent medium for infrared heaters to operate at a fraction of the cost of traditional heating. New for 2016 is our lightweight and stylish heater cover, which provides a safety shield without affecting the panel's infrared output (item not shown).



PRODUCT RANGE

Glass	450W	900W
Dimensions	550x600x22	550x1100x22
Heating Coverage	8.00 m ²	15.00 m ²
Service Life	20 years	20 years
Warranty	10 years	10 years



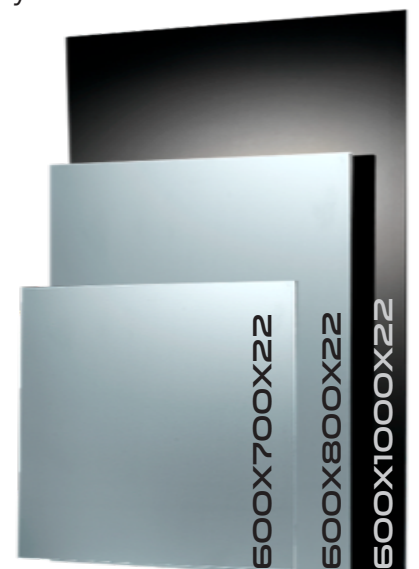
INFRARED HEATED MIRRORS



The mirror range offers quality stylish mirrors, which are also ideal space-saving infrared room heaters, perfect for bathrooms, halls and bedrooms. A choice of three standard mirror heaters is complemented by the introduction of a new range of round mirrors (item not shown).

To enhance the modern design, all heated mirrors are available with the back-lit effect, in either cool white, warm white, amber or multi-coloured LED.

Mirrors / LED Optional	350W	400W	500W	500W Round
Dimensions	600x700x22	600x800x22	600x1000x22	980 Diameter
Heating Coverage	5.12 m ²	8.33 m ²	15.83 m ²	16.23 m ²
Service Life	20 years	20 years	20 years	20 years
Warranty	10 years LED 2 years	10 years LED 2 years	10 years LED 2 years	10 years LED 2 years



TOWEL RAIL HEATERS - BAR AND TUBE STYLES



Our solution to bathroom towel dryer heaters is to offer a range of three stylish rail heaters that dry towels to leave them with a naturally fresh and sun-dried feel.

Low energy consumption heaters are available from 120 watts.

Our range of heated towel rails provide comfort and warmth, complemented by a sleek and elegant design.

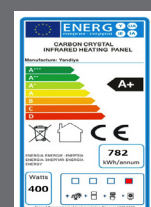
Bar Style 120W

Tube Style 160W and 320W

'NIFTY' INFRARED HEATERS

Our 'Nifty' 400 portable panel heaters are ideal for use in awkward places domestically, or to supplement commercial systems. Free-standing and lightweight, they are also ideal for rooms that are only used occasionally.

With a 400 watt output, they provide sufficient heat output to make that much-needed difference.



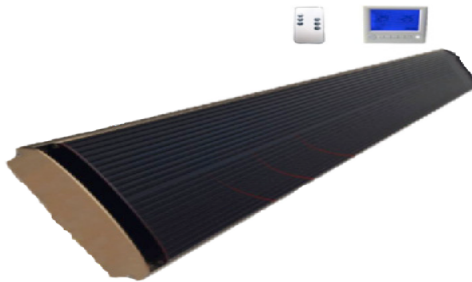
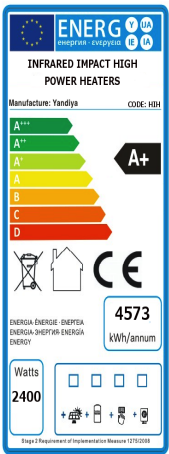
IMPACT POWER HEATERS



Power heaters are specifically designed to heat space that requires a more powerful direct heat, for example internal areas with high ceilings such as warehouses, as well as a variety of external applications.

Water resistant to IP64, Impact power heaters have a proven track record in 'difficult' or costly to heat environments.

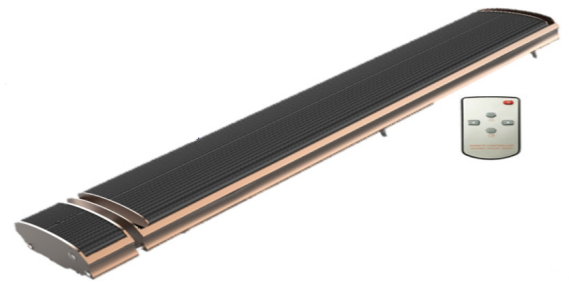
WALL-MOUNTED THERMOSTATS



- No maintenance or servicing.
- No moving parts, completely silent running.
- Energy-saving design.
- Curved element cover provides uniform heat distribution.
- Stylish, contemporary appearance.
- 380°C surface temperature.

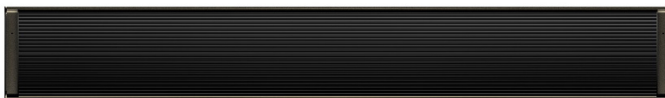
INCLUDES REMOTE CONTROL

WE OFFER OUR INFRARED POWER HEATERS WITH TWO OPTIONS: THERMOSTATIC CONTROL OR REMOTE CONTROL.



WARRANTY: 2 YEARS
SERVICE LIFE: 20 YEARS

3.2KW



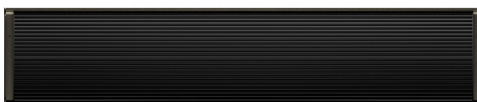
W: 2000 H: 189 D: 67 MM

2.4KW



W: 1500 H: 189 D: 67 MM

1.8KW

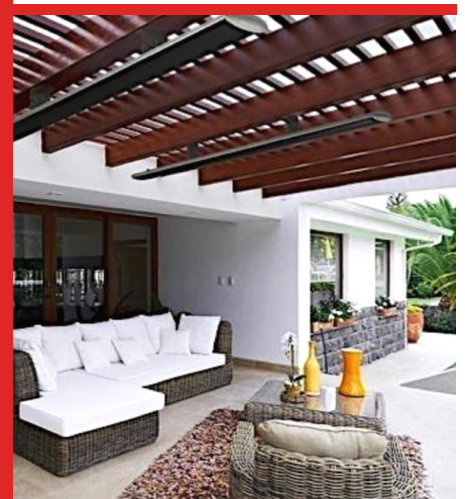


W: 1000 H: 189 D: 67 MM

1.0KW



W: 600 H: 189 D: 67 MM



UNDERFLOOR HEATING



Infrared carbon fibre underfloor heating film technology combines the best of modern nanotechnology. This remarkably effective underfloor heating system can be installed quickly and easily, keeping costs to a minimum and only needing to cover 70% of the floor area. The infrared element begins to warm the room as soon as the system is switched on. Having no moving parts, it requires just a standard electric plug.

KEY FEATURES

- Ultra thin* - only 0.38mm thick.
- Lightweight - Quick and easy to install.
- 220 watts per square metre.
- Suitable under all types of woods, laminates and carpeted floors.
- Can be used in screeded flooring with tiles or lino coverings.
- Full 15-year manufacturer's warranty.
- For maximum comfort, only 70% of the floor surface needs to be covered.

* Bespoke lengths and widths are available;
width options are: 0.5m, 0.8m and 1m.

MAIN ADVANTAGES

- Reliability and operating safety.
- No electromagnetic radiation.
- Fireproof.
- Simple and quick installation: any location on any kind of surface - floors, walls and ceilings.

CONTENTS FOR UNDERFLOOR HEATING KITS

Product	Size (m)	Heating Film	Thermal Liner	Adhesive Tape	Cable Clips	Thermostats	Waterproof Liner
KTH33	3x3	9m ²	9m ²	1 roll	8	1	9m ²
KTH34	3x4	12m ²	12m ²	1 roll	12	1	12m ²
KTH35	3x5	15m ²	15m ²	1 roll	16	1	15m ²
KTH44	4x4	16m ²	16m ²	2 rolls	20	2	16m ²
KTH45	4x5	20m ²	20m ²	2 rolls	24	2	20m ²
KTH46	4x6	24m ²	24m ²	2 rolls	28	2	24m ²
KTH55	5x5	25m ²	25m ²	2 rolls	30	2	25m ²
KTH56	5x6	30m ²	30m ²	2 rolls	35	2	30m ²
KTH57	5x7	35m ²	35m ²	2 rolls	40	2	35m ²

INFRARED HEATING

CON



VENIENCE IN ONE TOUCH

L1 **PLUG AND GO.**
Simply use our plug and go thermostat for instant heater control.

L2 **ROOM OR ZONE THERMOSTATS.**
Using either a plug in receiver, or a fused spur solution, the heaters are controlled by the matching thermostat.

L3 **ROOM OR ZONE THERMOSTATS.**
The switch has a room temperature sensor built into the fused spur receiver; the switch communicates directly with a central hub through radio waves, which then communicate via WiFi with either a computer, iPad or mobile app.

L4 **ROOM OR ZONE THERMOSTATS.**
This option provides an extra level of remote control monitoring, providing heating efficiency as well as energy consumption data.

Our Manufacturer's many years of experience and research offer the optimum solution to your individual requirements, by developing your heating system to suit your specific needs.

CONTEMPORARY SYSTEM TRADITIONAL ERGONOMIC CONTROL



Model: WT-02 Transmitter



Model: WT-08 Transmitter



Model: WiFi-08 Transmitter

RECEIVERS



Model: HR-03 Receiver



Model: HR-02 Receiver



HEATING SYSTEM COMPARISON

traditional vs

Central Heating (Gas)

Issues with Gas Central Heating Systems include:

- Ever increasing gas prices
- Safety issues
- Increasing legislation against the use of gas
- Lack of precision control

Storage Heaters (Electric)

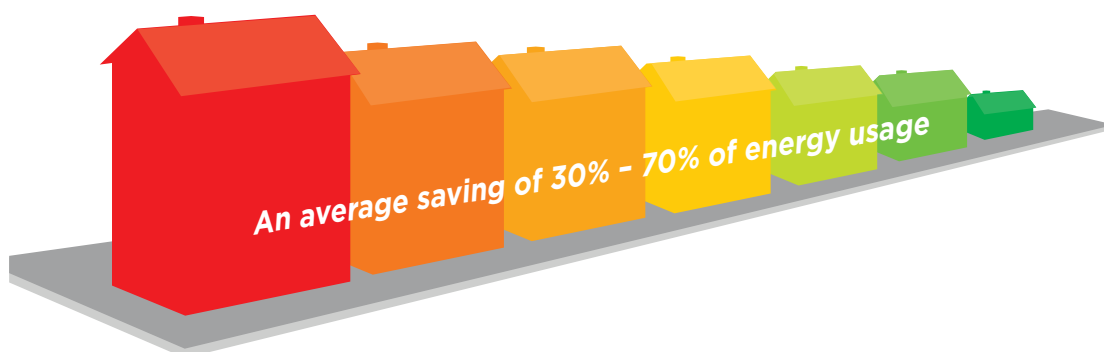
Issues with Storage Heaters include:

- Economy 7 day rate expense
- Convection heat
- Inefficient use of electricity
- Timing and planning dependence
- Loss of heat
- Supplementary heating often required

Fired Heaters (Oil)

Issues with Fired Heaters include:

- Ungainly
- Non-renewable
- Concentration of heat
- Uneven heat



infrared panels

Infrared Panel Solution:

- 100% energy conversion
- Quick and easy installation
- Immediate control
- No maintenance needed
- No hazardous gases

Average savings with infrared:

10% - 30%

Infrared Panel Solution:

- Instant response to on/off control
- Stylish and contemporary design
- Flexibility to increase system size with additional panels if necessary

Average savings with infrared:

30% - 70%

Infrared Panel Solution:

- Adaptable to different room types and environments (mirrors, prints, ceiling fitments, etc.)
- Slim, stylish and hassle free
- Even distribution of heat throughout each room

Average savings with infrared:

30% - 70%

The advantages of Infrared Panel solutions are clearly evident from this comparison with the more traditional and inefficient home heating systems.

SAVINGS

3 and 4 Bedroom Houses



Panel Wattage	kW 8hr (TUV)	3 Bed House Panels	Cost Per Year £0.15	Cost Per Year £0.08	4 Bed House Panels	Cost Per Year £0.15	Cost Per Year £0.08
350	0.6566	5	£247.46	£131.98	6	£296.96	£197.97
500	1.2913	1	£97.33	£51.91	1	£97.33	£64.89
800	1.5352	2	£231.43	£123.43	2	£231.43	£154.28
1200	2.8849	0	£0.00	£0.00	0	£0.00	£0.00
Total		8	£576.22	£307.32	9	£625.72	£417.14

Thermostat Control at 20°C

1 and 2 Bedroom Flats

Panel Wattage	KW 8hr (TUV)	1 Bed Flat Panels	Cost Per Year £0.15	Cost Per Year £0.10	2 Bed Flat Panels	Cost Per Year £0.15	Cost Per Year £0.10
350	0.6566	2	£98.99	£65.99	2	£98.99	£65.99
500	1.2913	2	£194.67	£129.78	3	£292.00	£194.67
800	1.5352	2	£231.43	£154.28	1	£115.71	£77.14
1200	2.8849	0	£0.00	£0.00	0	£0.00	£0.00
Total		6	£525.09	£350.05	6	£506.70	£337.80

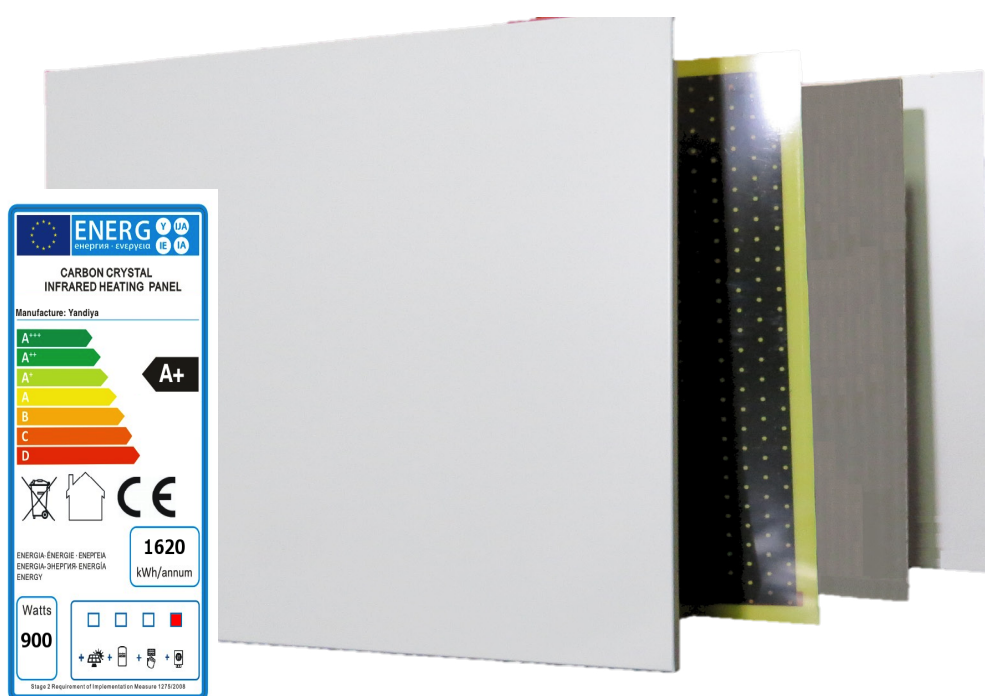
Thermostat Control at 20°C

designed to **save** energy and money

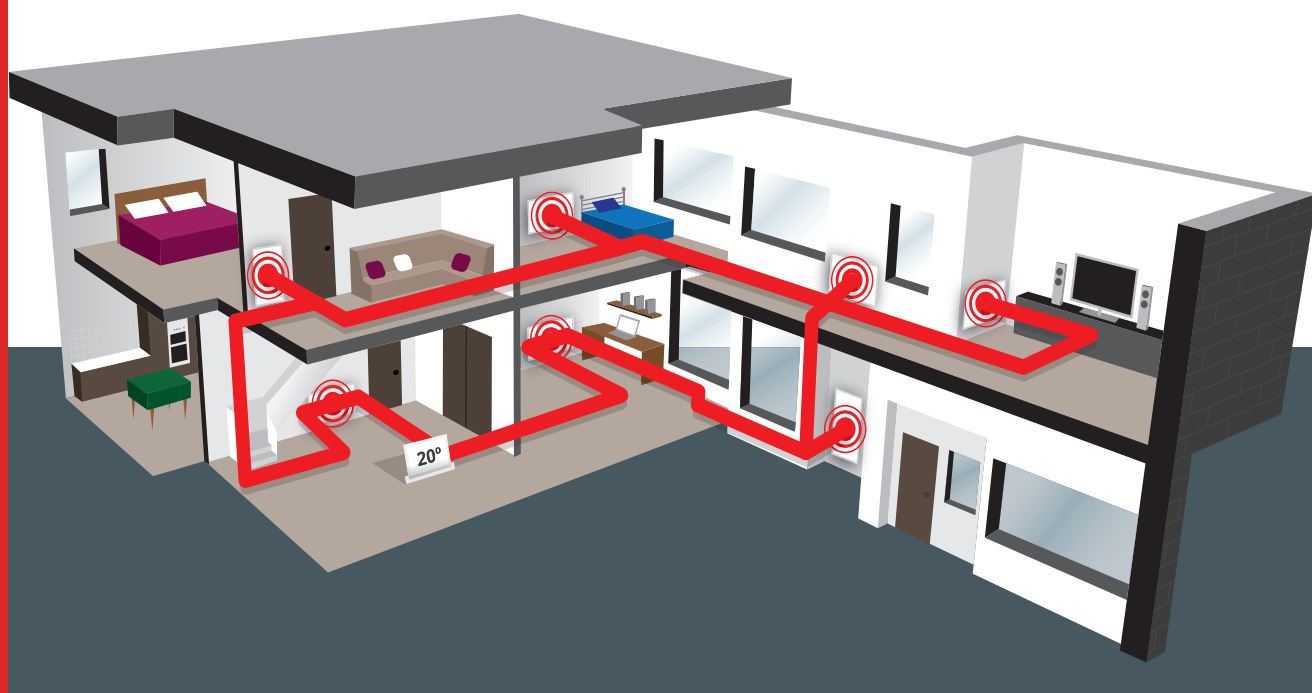
TÜV RHEINLAND ANALYSIS

This analysis is based on TÜV's controlled test of heating a property at 20°C over a specified period of time.

These figures should be used as a guide only, as actual energy consumption will depend upon several variables, including individual heating requirements of the occupants.

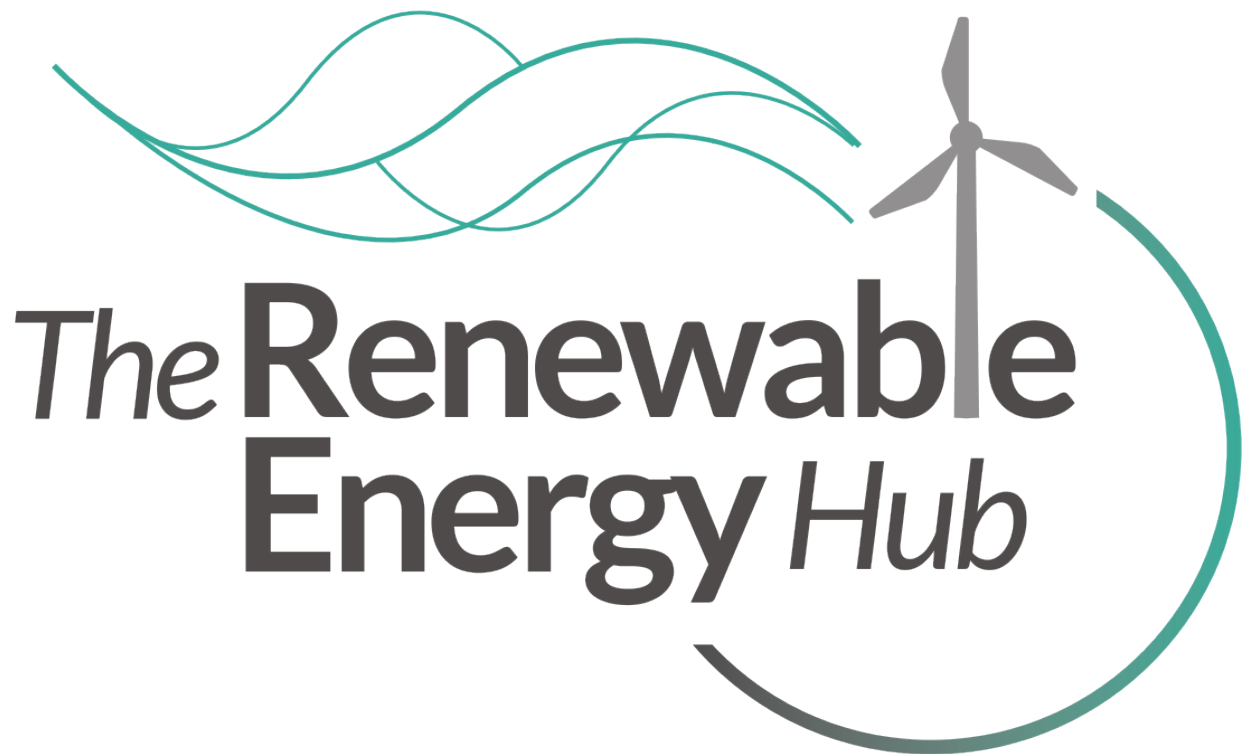


Communication around the home



INFRARED HEATING

TECHNICAL SPECIFICATIONS



TECHNICAL SPECIFICATION

CONTROLS

TRANSMITTERS



Transmitter
Model: WT-02
2 x AAA 1.5V Batteries
5+1+ days programmable
433Mhz/868Mhz selectable
White Backlight



Transmitter
Model: WT-08
2 x AAA 1.5V Batteries
5+1+ days programmable
433Mhz/868Mhz selectable
White Backlight
135x88x22mm
IP:30
White Box Packing

RECEIVERS



Receiver
Model:HR-02
230V Power Supply
Max 16A
433/868Mhz
Socket Type: DE/FR/UK/US



Receiver
Model:HR-03
230V, Voltage-free output
Max 10A
86x86x23mm
IP:30
433/868Mhz

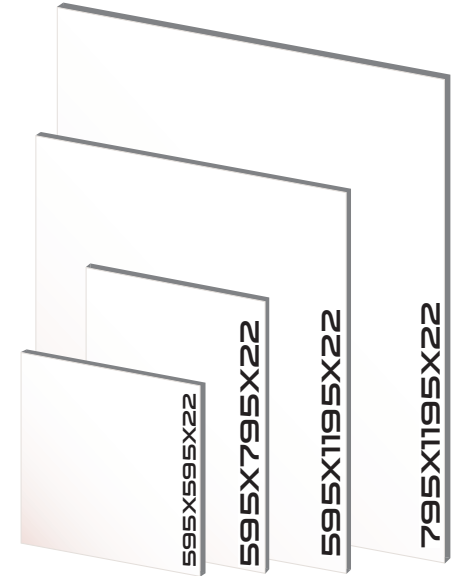
WiFi controlled Thermostat (Hard-wired)

Main Features

- Remote control from a phone app
- TFT colour display screen with backlight
- Energy monitoring function
- Frost protection function
- Support Holiday mode

IP Class	IP21
Dimensions	86 x 86 x18 (mm)
Maximum Load	250VAC 16A
Operation Voltage	100 ~ 240VAC 50/60HZ
Room Temperature Limit	98%
Floor Temperature Limit	85/90
Ambient temperature - operation	0°C - 50°C
Ambient temperature - transport	10°C - 60°C
Accuracy	+/-5°C
Colour	White

ALUMINIUM HEATERS



	350W	500W	800W	1200W
Dimensions	595x595x22	595x795x22	595x1195x22	795x1195x22
Voltage	220V - 240V	220V - 240V	220V - 240V	220V - 240V
Wattage	350W +/- 5%	500W +/- 5%	800W +/- 5%	1200W +/- 5%
Net Weight	4.46 kgs.	8.54 kgs.	9.84 kgs.	12.93 kgs.
Energy Transfer	98%	98%	98%	98%
Overheat Protection	85/90	85/90	85/90	85/90
Installation	Wall or ceiling mounted	Wall or ceiling mounted	Wall or ceiling mounted	Wall or ceiling mounted
Heating Coverage	5.83 m ²	8.33 m ²	13.33 m ²	21.23 m ²
Surface Design	Frameless White Powered Coated Heat Resistant Aluminium	Frameless White Powered Coated Heat Resistant Aluminium	Frameless White Powered Coated Heat Resistant Aluminium	Frameless White Powered Coated Heat Resistant Aluminium
Heating Element	Carbon Crystal Nanotech Ink	Carbon Crystal Nanotech Ink	Carbon Crystal Nanotech Ink	Carbon Crystal Nanotech Ink
Material	Conductive Electrical Carbon Modular Nanotech Ink/Epoxy Resin	Conductive Electrical Carbon Modular Nanotech Ink/Epoxy Resin	Conductive Electrical Carbon Modular Nanotech Ink/Epoxy Resin	Conductive Electrical Carbon Modular Nanotech Ink/Epoxy Resin
Construction	White Folded Aluminum with Insulation Layer and Aluminum Cover Plate Backing	White Folded Aluminum with Insulation Layer and Aluminum Cover Plate Backing	White Folded Aluminum with Insulation Layer and Aluminum Cover Plate Backing	White Folded Aluminum with Insulation Layer and Aluminum Cover Plate Backing
Fixings	Wall or Ceiling Mounted	Wall or Ceiling Mounted	Wall or Ceiling Mounted	Wall or Ceiling Mounted
Connection	UK/EU/US Plug with 3 metre cable	UK/EU/US Plug with 3 metre cable	UK/EU/US Plug with 3 metre cable	UK/EU/US Plug with 3 metre cable
Surface Temperature	90°C<110°C	90°C<110°C	90°C<110°C	90°C<110°C
Service Life	20 years	20 years	20 years	20 years
Warranty	10 years	10 years	10 years	10 years
Country of Manufacture	Made in China	Made in China	Made in China	Made in China



GLASS HEATERS



	450W	900W
Dimensions	550x600x22	550x1100x22
Voltage	220V - 240V	220V - 240V
Wattage	450W +/- 5%	900W +/- 5%
Net Weight	12.1 kgs.	14.2 kgs.
Energy Transfer	98%	98%
Overheat Protection	85/90	85/90
Installation	Wall mounted	Wall mounted
Heating Coverage	8.00 m ²	15.00 m ²
Surface Design	Stainless Steel Tempered Glass with Aluminium Backing	Stainless Steel Tempered Glass with Aluminium Backing
Heating Element	Carbon Crystal Nanotech Ink	Carbon Crystal Nanotech Ink
Material	Conductive Electrical Carbon Modular Nanotech Ink/Epoxy Resin	Conductive Electrical Carbon Modular Nanotech Ink/Epoxy Resin
Construction	Frameless 5mm Stainless Tempered Glass with Insulated Layer and Aluminum Back	Frameless 5mm Stainless Tempered Glass with Insulated Layer and Aluminum Back
Fixings	Lift and Drop Bracket with No 8 Screw Fixings	Lift and Drop Bracket with No 8 Screw Fixings
Connection	UK/EU/US Plug with 3 metre cable	UK/EU/US Plug with 3 metre cable
Surface Temperature	90°C<110°C	90°C<110°C
Service Life	20 years	20 years
Warranty	10 years	10 years
Country of Manufacture	Made in China	Made in China



MIRRORS/BACK LIT



	350W	400W	500W	500W Round
Dimensions	600x700x22	600x800x22	600x1000x22	980 Diameter
Voltage	220V - 240V	220V - 240V	220V - 240V	220V - 240V
Wattage	350W +/- 5%	400W +/- 5%	500W +/- 5%	500W +/- 5%
Net Weight	8.76 kilos	12.1 kilos	14.2 kilos	18.6 kilos
Energy Transfer	98%	98%	98%	98%
Overheat Protection	85/90	85/90	85/90	85/90
Installation	Wall mounted/Dual switch for Heater and LED	Wall mounted/Dual switch for Heater and LED	Wall mounted/Dual switch for Heater and LED	Wall mounted/Dual switch for Heater and LED
Heating Coverage	5.12 m2	8.33 m2	15.83 m2	16.23 m2
Surface Design	Stainless Steel Tempered Mirror Bevelled Edge - With Red Aluminium Back	Stainless Steel Tempered Mirror Bevelled Edge - With Red Aluminium Back	Stainless Steel Tempered Mirror Bevelled Edge - With Red Aluminium Back	Stainless Steel Tempered Mirror Bevelled Edge - With Red Aluminium Back
Heating Element	Carbon Crystal Nanotech Ink	Carbon Crystal Nanotech Ink	Carbon Crystal Nanotech Ink	Carbon Crystal Nanotech Ink
Material	Conductive Electrical Carbon Modular Nanotech Ink/Epoxy Resin	Conductive Electrical Carbon Modular Nanotech Ink/Epoxy Resin	Conductive Electrical Carbon Modular Nanotech Ink/Epoxy Resin	Conductive Electrical Carbon Modular Nanotech Ink/Epoxy Resin
Construction	Frameless 5mm Stainless Tempered Glass with Insulation Layer and Aluminium Back /Optional LED	Frameless 5mm Stainless Tempered Glass with Insulation Layer and Aluminium Back /Optional LED	Frameless 5mm Stainless Tempered Glass with Insulation Layer and Aluminium Back /Optional LED	Frameless 5mm Stainless Tempered Glass with Insulation Layer and Aluminium Back /Optional LED
Fixings	Lift and Drop Bracket with No 8 Screw Fixings	Lift and Drop Bracket with No 8 Screw Fixings	Lift and Drop Bracket with No 8 Screw Fixings	Lift and Drop Bracket with No 8 Screw Fixings
Connection	UK/EU/US Plug with 3 metre cable	UK/EU/US Plug with 3 metre cable	UK/EU/US Plug with 3 metre cable	UK/EU/US Plug with 3 metre cable
Surface Temperature	90°C<110°C	90°C<110°C	90°C<110°C	90°C<110°C
Service Life	20 years	20 years	20 years	20 years
Warranty	Heater - 10 years LED - 2 years	Heater - 10 years LED - 2 years	Heater - 10 years LED - 2 years	Heater - 10 years LED - 2 years
Country of Manufacture	Made in China	Made in China	Made in China	Made in China



TOWEL RAIL HEATERS

BAR STYLE



TUBE STYLE



	120W (Bar Style)	160W & 320W (Tube Style)
Dimensions	900x600x80	1525x600x80
Voltage	220V - 240V	220V - 240V
Wattage	115W +/- 5%	160W & 320W +/- 5%
Net Weight	5.5 kgs.	6.37 kgs.
Energy Transfer	98%	98%
Overheat Protection	40/45	40/45
Switches	Single Switch On/Off	Single Switch On/Off
Heating Coverage	3.12 m ²	3.26 - 4.13 m ²
Surface Design	Polished Stainless Steel with single on-off switch	Polished Stainless Steel with single on-off switch
Heating Element	Silicon Sealed Wire	Silicon Sealed Wire
Material	Conductive Electrical Copper with Silicon Sealant	Conductive Electrical Copper with Silicon Sealant
Construction	Polished Stainless Steel with brushed finish Square of Tubular Frame and single power switch with 2 metre cable	Polished Stainless Steel with brushed finish Square of Tubular Frame and single power switch with 2 metre cable
Fixings	Wall Mounted and Hard-wired	Wall Mounted and Hard-wired
Connection	UK/EU/US Plug with 3 metre cable	UK/EU/US Plug with 3 metre cable
Surface Temperature	45°C	45°C
Service Life	10 years	10 years
Warranty	2 years	2 years
Country of Manufacture	Made in China	Made in China



'NIFTY' INFRARED HEATER

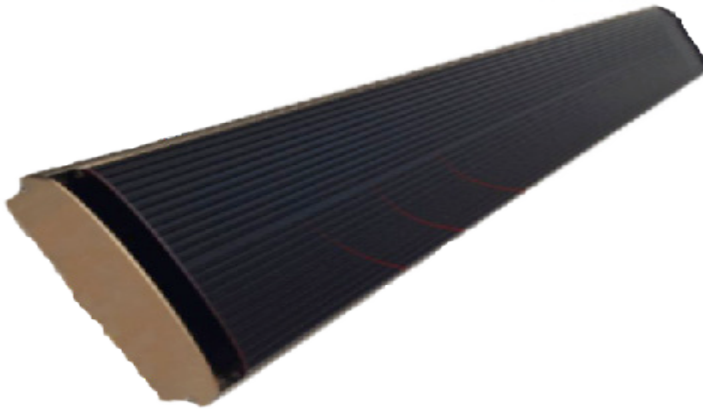


	'Nifty' Portable
Dimensions	500x500x175
Voltage	220V - 240V
Wattage	400W +/- 5%
Net Weight	8.93 kgs.
Energy Transfer	98%
Overheat Protection	85/90
Switches	Single on/off switch
Heating Coverage	5.12 m ²
Surface Design	Aluminium front Panel with Aluminium Frame in 'Silver', and Red Aluminium Backing
Heating Element	Carbon Crystal Nanotech Ink
Material	Conductive Electrical Carbon Modular Nanotech Ink/Epoxy Resin
Construction	0.3mm Aluminum front plate, with silver frame and 0.5mm red aluminium back plate
Fixings	Free-standing
Connection	UK/EU/US Plug with 3 metre cable
Surface Temperature	90°C < 110°C
Service Life	20 years
Warranty	2 years
Country of Manufacture	Made in China

INFRARED HEATING

TECHNICAL SPECIFICATION

IMPACT POWER HEATERS



WALL MOUNTED THERMOSTATS

INCLUDES REMOTE CONTROL

	1.0 kW	1.8 kW	2.4 kW	3.2 kW
Dimensions (A)	600x189x67	1000x189x67	1500x189x67	2000x189x67
Dimensions (B)	695x189x67	1095x189x67	1595x189x67	2095x189x67
Voltage	220V - 240V	220V - 240V	220V - 240V	220V - 240V
Wattage	1000W +/- 5%	1800W +/- 5%	2400W +/- 5%	3200W +/- 5%
Net Weight (A)	4.8 kgs.	7.4 kgs.	10.6 kgs.	13.6 kgs.
Net Weight (B)	5.4 kgs.	8.0 kgs.	11.2 kgs.	14.2 kgs.
Energy Transfer	98%	98%	98%	98%
Overheat Protection	230°C	230°C	230°C	230°C
Heating Coverage	10 m ²	20 m ²	30 m ²	40 m ²
Surface Design	Sealed Aluminium black powder-coated	Sealed Aluminium black powder-coated	Sealed Aluminium black powder-coated	Sealed Aluminium black powder-coated
Heating Element	Infrared Quartz Tube	Infrared Quartz Tube	Infrared Quartz Tube	Infrared Quartz Tube
Material	Nanotechnology Quartz Infrared Tubes	Nanotechnology Quartz Infrared Tubes	Nanotechnology Quartz Infrared Tubes	Nanotechnology Quartz Infrared Tubes
Construction	Black powder-coated aluminium casting with chrome-plated brackets	Black powder-coated aluminium casting with chrome-plated brackets	Black powder-coated aluminium casting with chrome-plated brackets	Black powder-coated aluminium casting with chrome-plated brackets
Fixings	Wall Mounted and Hard-wired	Wall Mounted and Hard-wired	Wall Mounted and Hard-wired	Wall Mounted and Hard-wired
Connection	UK/EU/US Plug with 3 metre cable	UK/EU/US Plug with 3 metre cable	UK/EU/US Plug with 3 metre cable	UK/EU/US Plug with 3 metre cable
Surface Temperature	380°C	380°C	380°C	380°C
Service Life	20 years	20 years	20 years	20 years
Warranty	2 years	2 years	2 years	2 years
Country of Manufacture	Made in China	Made in China	Made in China	Made in China

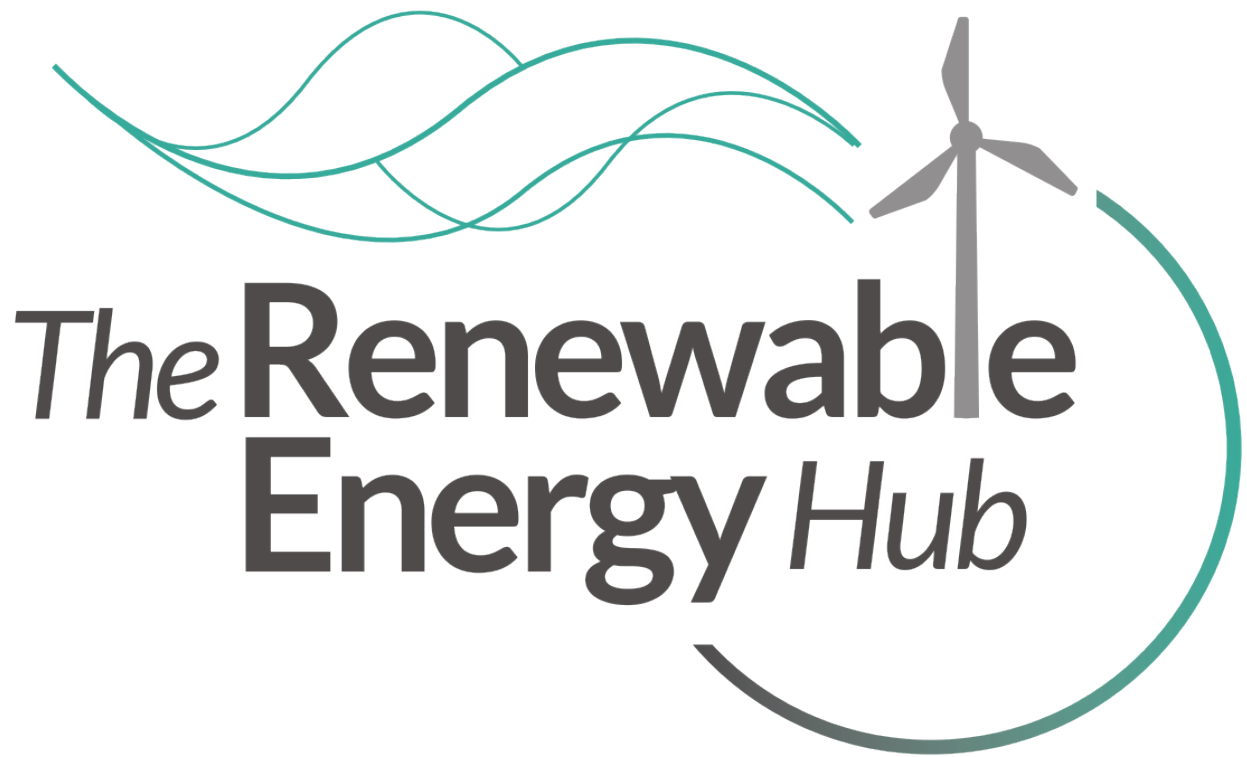


UNDERFLOOR HEATING

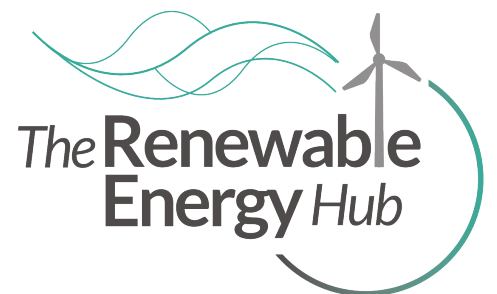


	150W	180W	220W
Dimensions	500mm	800mm	1000mm
Voltage	220V - 240V	220V - 240V	220V - 240V
Wattage	150W +/- 5%	180W +/- 5%	220W +/- 5%
Thickness	0.38mm	0.38mm	0.38mm
Energy Transfer	98%	98%	98%
Overheat Protection	70°C optional	70°C optional	70°C optional
Switches	Hard-wired Thermostats	Hard-wired Thermostats	Hard-wired Thermostats
Length	7 metres	6 metres	5 metres
Surface Design	Laminated Infrared Flexible Film	Laminated Infrared Flexible Film	Laminated Infrared Flexible Film
Heating Element	Infrared Nanotechnology Printing	Infrared Nanotechnology Printing	Infrared Nanotechnology Printing
Material	Silicon-bonded Infrared Film	Silicon-bonded Infrared Film	Silicon-bonded Infrared Film
Construction	Flexible Film with Nanotechnology Infrared Bars laminated into flexible Rolls	Flexible Film with Nanotechnology Infrared Bars laminated into flexible Rolls	Flexible Film with Nanotechnology Infrared Bars laminated into flexible Rolls
Fixings	Under Flooring - Tiles/Wood/Concret/Carpet	Under Flooring - Tiles/Wood/Concret/Carpet	Under Flooring - Tiles/Wood/Concret/Carpet
Connection	Double-insulated cable - 2 metre	Double-insulated cable - 2 metre	Double-insulated cable - 2 metre
Surface Temperature	70°C	70°C	70°C
Service Life	20 years	20 years	20 years
Warranty	2 years	2 years	2 years
Country of Manufacture	Thailand	Thailand	Thailand





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