# The Radiator Book

**There's so much more** *to Stelrad*

Stelrad
Europe's favourite radiator

**There's so much more** *to Stelrad*

# quality
# established
# classic
# best sellers
# reliable
# great value
# flexibility

# *creativity*
# *radical™*
# *modern*
# *newcomers*
# *innovative*
# *energy saving*
# *availability*

You probably know that Stelrad is the brand behind the UK's best selling and most popular radiator ranges. With nationwide availability from stock, models to perfectly suit any domestic or commercial application and a reputation for reliability and service. But now we'd like to introduce you to some of the other ideas and innovations we've introduced - with great new designs, styles and technological advances, making Stelrad even more of a flexible choice for you. Think radiators, think Stelrad - every time.

**Stelrad**
Europe's favourite radiator

# There's so much more to Stelrad

## Contents

Stelrad
Europe's favourite radiator

# best sellers

Stelrad radiators are the 'go to' choice for almost every application. With hundreds of models and sizes to select from, and instant availability from stock nationwide, Stelrad has become the best selling choice for fitters and specifiers - reliable, efficient, easy to install and providing a great heating performance.

A choice of functional but stylish towel rails, and the elegant contours of our Softline radiators, complement the ever popular Compact and Elite ranges.

# Elite

Best Sellers

Outstanding choice, versatility, quality and performance make Stelrad Elite the UK's most popular radiator - the perfect solution when maximum heat output is needed from a steel panel radiator.
The Elite range is readily available nationwide.

| | 183 models |
|---|---|
| Heights: | 300mm to 700mm |
| Lengths: | 400mm to 3000mm |
| Outputs: | 190 to 6033 watts, 650 to 20585 Btu/hr |
| Types: | P1, K1, P+ & K2 |

BIM

10 TEN YEAR WARRANTY

For full details please refer to pages 44-48

# Compact Range

## Horizontal

The Compact is the UK's best selling and most comprehensive range of compact radiators. They're proven, high performance winners - ideal for every room and every application where space is at a premium.

Best Sellers

| | 200 horizontal models |
|---|---|
| Heights: | 300mm to 700mm |
| Lengths: | 400mm to 3000mm |
| Outputs: | 190 to 5883 watts, 647 to 20073 Btu/hr |
| Types: | P1, K1, P+ & K2 |

For full details please refer to pages 49-56

BIM

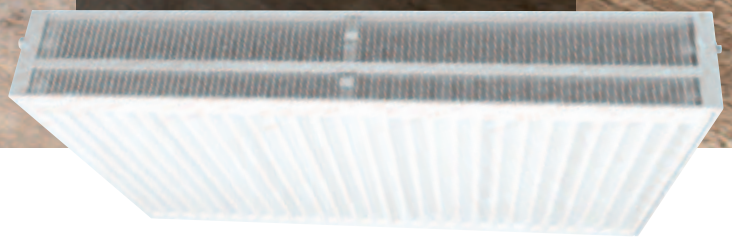
10 TEN YEAR WARRANTY

# Compact Range

## K3

Best Sellers

The Compact K3 is the ideal choice for low energy systems, providing outstanding heat output from a smaller footprint.



BIM

10 TEN YEAR WARRANTY

| | 40 K3 models |
|---|---|
| Heights: | 300mm to 700mm |
| Lengths: | 400mm to 2400mm |
| Outputs: | 956 to 5734 watts, 3262 to 19564 Btu/hr |
| Type: | K3 |

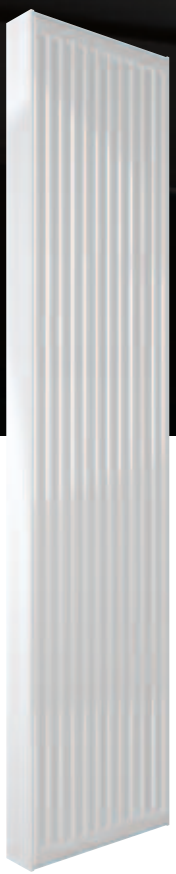
For full details please refer to pages 49-56

# Compact Range

## Vertex

The Compact Vertex is a stylish, attractive radiator for applications where space is at a premium. The Compact Vertex is designed to complement the Stelrad Compact range

Best Sellers



| | 21 vertex models |
|---|---|
| Heights: | 1800mm, 2000mm & 2200mm |
| Lengths: | 300mm to 700mm |
| Outputs: | 1146 to 3003 watts, 3910 to 10246 Btu/hr |
| Types: | P2 & K2 |

For full details please refer to pages 49-56

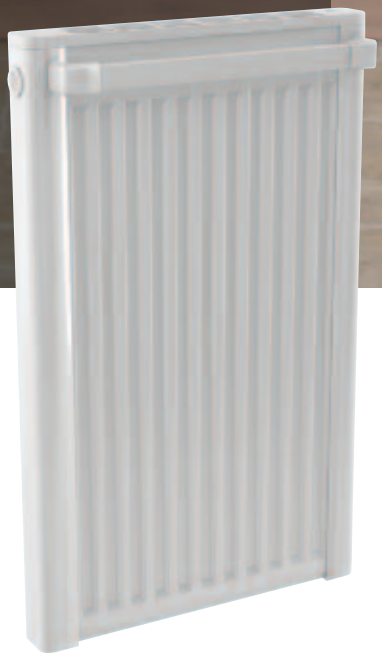
BIM

5 FIVE YEAR WARRANTY

# STR

Best Sellers

This simple design is the ultimate in neat, efficient functionality for towel warming and space heating. The superbly integrated unit allows towels and clothes to warm without interfering with the vital flow of convected room heat.



| | 5 models |
|---|---|
| Heights: | 645mm & 745mm |
| Lengths: | 425mm & 625mm |
| Outputs: | 419 to 922 watts, 1430 to 3147 Btu/hr |
| Type: | K1 |

10 TEN YEAR WARRANTY

For full details please refer to pages 57-58

# Towel Rail Range

Stelrad Towel Rails offer stylish looks and effective heating and drying performance - in the bathroom or in the kitchen. Available from stock in white or chrome.

Best Sellers

| | 26 models |
|---|---|
| Heights: | 678mm to 1744mm |
| Lengths: | 400mm, 500mm & 600mm |
| Outputs: | 240 to 1022 watts, 820 to 3489 Btu/hr |
| Types: | Straight, curved, white or chrome |

For full details please refer to pages 59-60

BIM

5 FIVE YEAR WARRANTY

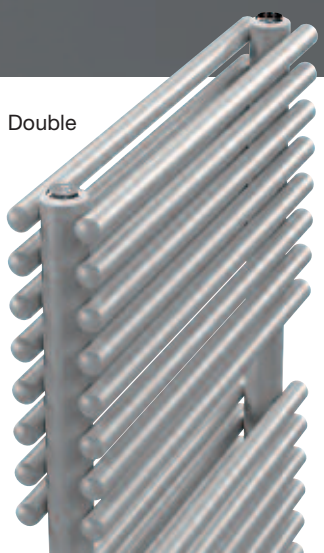
# Caliente Range

## Straight Towel Rails

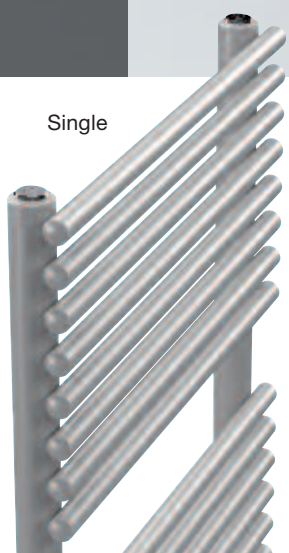
Best Sellers

Elegant tube on tube design consisting of a tight array of slim tubes makes the Caliente Towel Rail an easy choice for any bathroom or kitchen whether it's a modern, contemporary or period interior.

Double



Single



BIM

5 FIVE YEAR WARRANTY

| 32 straight models (single & double rail) | |
|---|---|
| Heights: | 755mm to 2013mm |
| Lengths: | 450mm to 750mm |
| Outputs: | 389 to 2321 watts, 1327 to 7919 Btu/hr |

For full details please refer to pages 61-62

For colour options please refer to page 146

# Caliente Range

## **New** Curved Towel Rail

The stylish Caliente Curved Towel Rail will complement your bathroom or en-suite whatever your décor.

Best Sellers

Colour shown is ML130 Blue Grey

| | 6 curved models |
|---|---|
| Heights: | 1199mm, 1791mm & 2013mm |
| Lengths: | 496mm & 595mm |
| Outputs: | 675 to 1294 watts, 2303 to 4415 Btu/hr |

BIM

For full details please refer to pages 61-62

5 FIVE YEAR WARRANTY

For colour options please refer to page 146

# Concord Towel Rail

Best Sellers

The Concord Towel Rail offers a stunning alternative to tubular towel rails. Offering visual appeal combined with advanced technology, the Concord Towel Rail provides a contemporary solution for a wide range of building applications.

| | 8 models |
|---|---|
| Heights: | 730mm to 1770mm |
| Lengths: | 450mm & 600mm |
| Outputs: | 342 to 1010 watts, 1167 to 3446 Btu/hr |

BIM

5 FIVE YEAR WARRANTY

For full details please refer to page 63

For colour options please refer to page 146

# Esprit

Elegant and ultra slim, Esprit is a beautifully stylish range of radiators that's great for space saving - and it looks simply stunning.

Best Sellers

| | 16 models |
|---|---|
| Heights: | 900mm to 1800mm |
| Lengths: | 450mm & 550mm |
| Outputs: | 316 to 1056 watts, 1078 to 3604 Btu/hr |
| Types: | Straight, curved, white or chrome |

For full details please refer to pages 64-65

BIM

5 FIVE YEAR WARRANTY

# Softline

Best Sellers

Compact and with a beautifully curved top grille and end panels, the designer looks of the Softline range give you extra choice and flexibility for domestic and commercial applications.

| | 102 models |
|---|---|
| Heights: | 300mm to 700mm |
| Lengths: | 400mm to 2000mm |
| Outputs: | 255 to 3922 watts, 870 to 13382 Btu/hr |
| Types: | K1, P+ and K2 |

BIM

10 TEN YEAR WARRANTY

For full details please refer to pages 66-70

Stelrad
Europe's favourite radiator

# designer

With a brilliant blend of form and function, Stelrad's range of super-stylish radiators give you extensive options to express and complement any design concept. Subtle, striking, classic or contemporary - there are hundreds of models to choose from, in all sorts of shapes, sizes and colours, to suit any living space.

Radiators which can become a design feature, or a discreet addition to any room - whatever effect you're looking for, Stelrad help you achieve it, and all with great heating performance too.

# Compact with Style Range

## Horizontal & Lo-Line

Designer

The subtle architectural look and feel of the Compact with Style is combined with value, range and availability to give you sophisticated designer styling for any room, commercial or domestic, at affordable prices.

Horizontal

Lo-Line

BIM

5 FIVE YEAR WARRANTY

| | 52 horizontal models | 12 Lo-Line models |
|---|---|---|
| Heights: | 200mm to 600mm | 200mm |
| Lengths: | 400mm to 2000mm | 500mm to 2000mm |
| Outputs: | 235 to 3202 watts,<br>802 to 10925 Btu/hr | 125 to 966 watts,<br>425 to 3296 Btu/hr |
| Types: | K1, P+ & K2 | K1, P+ & K2 |

For full details please refer to pages 73-79

For colour options please refer to page 146

# Compact with Style Range

## Vertical

Designer

| | 24 vertical models |
|---|---|
| Heights: | 1600mm to 2200mm |
| Lengths: | 300mm to 700mm |
| Outputs: | 693 to 2772 watts, 2365 to 9458 Btu/hr |
| Types: | P2 & K2 |

For full details please refer to pages 73-79

BIM

5 FIVE YEAR WARRANTY

# Planar Range

## Horizontal

Designer

Simple and understated design makes Planar the ultimate in minimalism for radiators. With its completely flat, smooth finish and integrated top grille and side panels it has a remarkably slim and stylish profile that will enhance any space.

BIM

5 FIVE YEAR WARRANTY

| | 100 horizontal models |
|---|---|
| Heights: | 300mm to 700mm |
| Lengths: | 400mm to 3000mm |
| Outputs: | 235 to 4901 watts, 802 to 16729 Btu/hr |
| Types: | K1 & K2 |

For full details please refer to pages 80-86

For colour options please refer to page 146

# Planar Range

## Vertical

Designer

| | 12 vertical models |
|---|---|
| Heights: | 1800mm, 2000mm & 2200mm |
| Lengths: | 400mm to 700mm |
| Outputs: | 1476 to 2961 watts, 5036 to 10103 Btu/hr |
| Types: | K2 |

For full details please refer to pages 80-86

BIM

5 FIVE YEAR WARRANTY

# Concord Range

Designer

Concord creates a distinctive look for any room, with four super-stylish design options - from the Lo-Line at just 144mm high to the Vertical at up to 2 metres, and every height in between. Flexible, highly efficient and very, very good looking.

Vertical

Slimline

BIM

5 FIVE YEAR WARRANTY

| | Choice of 4 different radiator options |
|---|---|
| 1. Concord Vertical: | 6 models, 2 heights and 3 lengths |
| 2. Concord Slimline: | 8 models, 2 heights and 4 lengths |
| 3. Concord Lo-Line: | 16 models, 2 heights and 8 lengths |
| 4. Concord Plane: | 102 models, 3 heights, lengths from 500mm to 3000mm |
| Outputs: | 382 to 6276 watts, 1303 to 21419 Btu/hr |

For full details please refer to pages 87-95

For colour options please refer to page 147

# Concord Range

Colour shown is RAL 1004



Lo-Line

Plane

# Classic Column Range

## Horizontal

Designer

| | 54 horizontal models |
|---|---|
| Heights: | 300mm to 750mm |
| Lengths: | 444mm to 1870mm |
| Outputs: | 288 to 2972 watts, 983 to 10140 Btu/hr |
| Types: | 2, 3 & 4 columns |

For full details please refer to pages 96-99

For colour options please refer to page 147

BIM

5 FIVE YEAR WARRANTY

# Classic Column Range

## Vertical

A timeless classic design, to complement both contemporary and traditional interiors. The Classic Column is a real style statement, with a beautiful finish and sizes to suit almost any space.

Designer

| | 6 vertical models |
|---|---|
| Heights: | 1800mm, 2000mm & 2500mm |
| Lengths: | 352mm & 444mm |
| Outputs: | 868 to 1539 watts, 2962 to 5251 Btu/hr |
| Types: | 2 column |

For full details please refer to pages 96-99

For colour options please refer to page 147

BIM

5 FIVE YEAR WARRANTY

# Swing

Designer

The curved cover of the Swing makes it a focal point in any room. And with a choice of 35 colours you can make a real statement.

Colour shown is A3002 Carmine Red

BIM

5 FIVE YEAR WARRANTY

| | 12 models |
|---|---|
| Heights: | 1820mm & 2020mm |
| Lengths: | 504mm to 727mm |
| Outputs: | 1224 to 2376 watts, 4176 to 8107 Btu/hr |
| Types: | P+ & K2 |

For full details please refer to page 100-101

For colour options please refer to page 146

# Caliente

Designer

Smart design, with slim tubes in a tight row, not only makes the Caliente range look great - it also delivers a high heat output. Available in horizontal or vertical models to add style to any interior.

| | 15 models |
|---|---|
| Heights: | 594mm to 1800mm |
| Lengths: | 330mm to 1400mm |
| Outputs: | 485 to 2120 watts, 1655 to 7233 Btu/hr |
| Types: | Single, Double, Horizontal & Vertical |

For full details please refer to pages 102-104

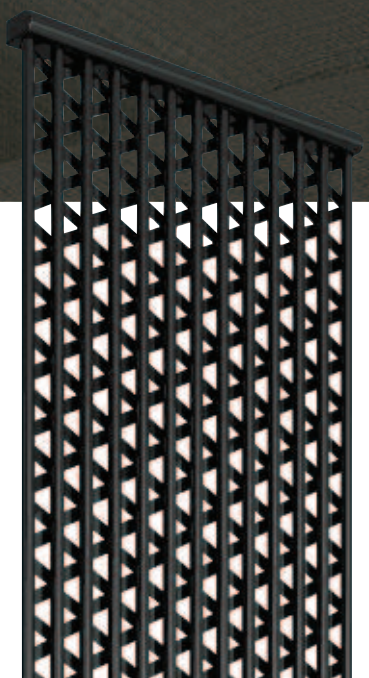
BIM

5 FIVE YEAR WARRANTY

# Excel

Designer

Both a screen and a radiator, the Excel - which can be floor or wall mounted - is a practical and stylish design for domestic or commercial applications. Available in six models.



| | 6 models |
|---|---|
| Heights: | 1800mm & 2000mm |
| Lengths: | 380mm & 500mm |
| Outputs: | 727 to 1048 watts, 2481 to 3577 Btu/hr |
| Types: | Wall & floor mounted |

5 FIVE YEAR WARRANTY

For full details please refer to page 105

# Arc & Wave

Precision curved fine tubes create the flowing, elegant form of the Arc & Wave - making them a clear style statement for any living space.

Designer

| | 6 models |
|---|---|
| Heights: | 1800mm |
| Lengths: | 380mm, 440mm & 620mm |
| Outputs: | 882 to 1438 watts, 3010 to 4908 Btu/hr |

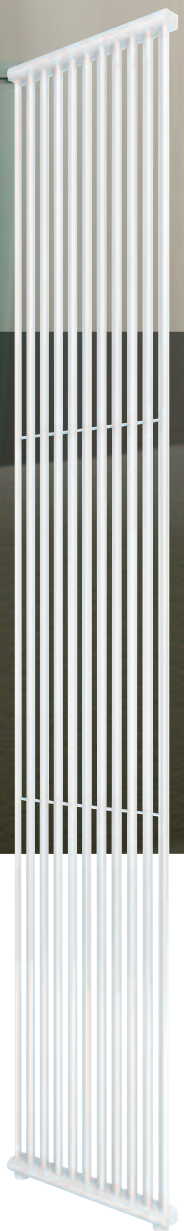
For full details please refer to page 106

5 FIVE YEAR WARRANTY

# Vistaline

Designer

The tightly aligned slim tubes of the Vistaline don't just look great, they also deliver a superb heating performance. Available with tubes in a single or staggered double row for maximum output flexibility, and in a wide range of colours.



| | 11 models |
|---|---|
| Heights: | 1800mm & 2000mm |
| Lengths: | 320mm to 740mm |
| Outputs: | 742 to 1886 watts, 2542 to 6437 Btu/hr |
| Types: | 2 & 3 |

5 FIVE YEAR WARRANTY

For full details please refer to page 107

For colour options please refer to page 147

# Ellipse

Vertical C shaped tubes in inward or outward facing columns give the Ellipse a distinctive look and make it a feature in any room. The large capacity of the tubes also delivers outstanding heating performance. Available in a wide range of colours.

Designer

| | 10 models |
|---|---|
| Heights: | 1800mm & 2000mm |
| Lengths: | 459mm, 689mm & 765mm |
| Outputs: | 858 to 1590 watts, 2928 to 5427 Btu/hr |
| Types: | Inward or outward facing columns |

5 FIVE YEAR WARRANTY

5 FIVE YEAR WARRANTY

For full details please refer to page 108

For colour options please refer to page 147

# Optia

Designer

Pietro Facheris' iconic design, affectionately known as 'the boat', delivers excellent heat output and cleverly integrated towel stacking spaces. Available in three lengths, and finished in cool metallic grey.



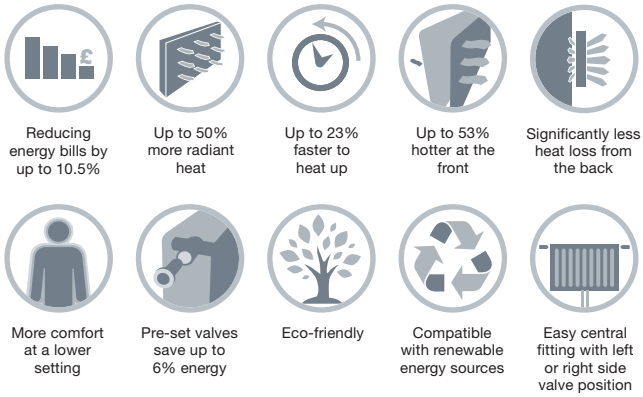
| | 3 models |
|---|---|
| Heights: | 1800mm |
| Lengths: | 220mm |
| Depths: | 160mm, 200mm & 240mm |
| Outputs: | 742 to 1114 watts, 2532 to 3802 Btu/hr |

5 FIVE YEAR WARRANTY

For full details please refer to page 109

Stelrad
Europe's favourite radiator

# energy saving




## Radical thinking by Stelrad

The European Union are making energy consumption standards stricter, so here at Stelrad we believe the heating industry has a major role to play, by developing systems that work so efficiently that they produce more heat at lower temperatures.

- The power we use in buildings, accounts for 40% of global consumption
- With smarter energy management, our buildings can emit up to 60% less $CO^2$
- The European Union are making consumption standards stricter
- The new Stelrad Radical produces more radiant heat than traditional radiators - saving energy while raising comfort levels
- At less cost to the user and to the environment

# Radical

The Radical Energy Saving Radiator can save up to 10.5% on energy bills, delivering higher comfort levels at a lower thermostat setting. That's radical thinking, from Stelrad.

Energy Saving

ENERGY SHOW 2014

2013 WINNER

GreenbuildAWARDS Winner 2013

*'Retro-fit Product of the Year'*

CPD

BIM

10 TEN YEAR WARRANTY

| | 33 models |
|---|---|
| Heights: | 300mm to 600mm |
| Lengths: | 400mm to 2000mm |
| Outputs: | 333 to 3234 watts, 1136 to 11034 Btu/hr |
| Types: | K1 & K2 |

For full details please refer to pages 110-126

Stelrad
Europe's favourite radiator

# safety

The Stelrad Low Surface Temperature (LST) range offers you the ideal solution for many special environments like healthcare and schools - with low surface temperatures and anti-bacterial paint so they're safe to touch.

LST Plus incorporates an integral remote sensing thermostat valve for even higher safety levels, the LST i Plus also offers this along with improved heat outputs.

Our LST Plus Vertical gives you additional design choices and flexibility.

# LST Range

## Standard

Stelrad's range of Low Surface Temperature radiators is the most comprehensive in the UK, with sizes and models to suit all applications. They all meet NHS Guidance for 'safe hot water and surface temperature' and are finished with anti-bacterial paint as standard, making them the No.1 choice for safety-critical environments. Installation is simple and all components are included in a single robust pack.



CPD

BIM

5 FIVE YEAR WARRANTY ON CASING

10 TEN YEAR WARRANTY ON EMITTER

| | Standard 72 models |
|---|---|
| Heights: | 500mm, 600mm & 800mm |
| Lengths: | 560mm to 1960mm |
| Outputs: | 196 to 2767 watts, 668 to 9442 Btu/hr |
| Types: | K1, P+ & K2 |

For full details please refer to pages 129-132

# LST Range

## Plus Vertical



| | Plus Vertical 3 models |
|---|---|
| Height: | 2110mm |
| Lengths: | 560mm, 660mm & 760mm |
| Outputs: | 1335 to 1862 watts, 4555 to 6353 Btu/hr |
| Type: | K2 |

For full details please refer to pages 133-134

CPD

BIM

5 FIVE YEAR WARRANTY ON CASING

10 TEN YEAR WARRANTY ON EMITTER

# LST Range

## Plus

Safety



CPD

BIM

5 FIVE YEAR WARRANTY ON CASING

10 TEN YEAR WARRANTY ON EMITTER

| | Plus 72 models |
|---|---|
| Heights: | 500mm, 650mm & 750mm |
| Lengths: | 650mm to 2050mm |
| Outputs: | 203 to 2511 watts, 692 to 8566 Btu/hr |
| Types: | K1, P+ & K2 |

For full details please refer to pages 135-140

# LST Range

## i Plus




| i Plus 72 models | |
|---|---|
| Heights: | 500mm, 650mm & 800mm |
| Lengths: | 650mm to 2050mm |
| Outputs: | 196 to 2767 watts, 669 to 9441 Btu/hr |
| Types: | K1, P+ & K2 |

For full details please refer to pages 141-144

CPD

BIM

5 FIVE YEAR WARRANTY ON CASING

10 TEN YEAR WARRANTY ON EMITTER

# Technical

Many technical features are constant across the Stelrad ranges, as outlined here - apart from the Radical Energy Saving Radiator, which has its own technical information pages (see page 110). Each section's introduction page provides you with any further technical information specific to the ranges included.

## Extra performance to guaranteed standards

Stelrad combine the most sophisticated production resources in Europe with substantial investment in testing and verification of performance data - which has helped us create high output radiators delivering heating performance that exceeds expectation.

## More choice for application flexibility

A range of models provide extra sizing flexibility and covers a multitude of application requirements, including those where there are installation difficulties or where wall space is at a premium.

## Superb quality from design to installation

Our radiators are specifically designed to minimise any movement, providing a tight, professional fit, that will remain in place, even after storage, transit and installation. Convectors are precision welded directly onto the waterways for greater efficiency and economy, with flexible connection options for the highest of commercial and domestic application specifications.

Stelrad radiators are manufactured under ISO 9001 quality systems in the UK and every one comes wrapped in robust, practical packaging that will keep the product pristine, right through to installation. This clever packaging design allows installation to be completed prior to removal.

## Temperature table

For systems not operating at Δt50 the factors in the table below should be applied. The output of a given radiator can be obtained by multiplying the quoted Δt50 output by the operating factor. Conversely, to derive a non Δt50 output, divide the heat output required by the relevant operation factor. This 'Δt50 equivalent output' can then be used to select a radiator from the standard tables.

| °C | | °F | |
|---|---|---|---|
| Δt | Operating Factor | Δt | Operating Factor |
| 5 | 0.050 | 10 | 0.057 |
| 10 | 0.123 | 20 | 0.142 |
| 15 | 0.209 | 30 | 0.240 |
| 20 | 0.304 | 40 | 0.348 |
| 25 | 0.406 | 50 | 0.466 |
| 30 | 0.515 | 60 | 0.590 |
| 35 | 0.629 | 70 | 0.721 |
| 40 | 0.748 | 80 | 0.858 |
| 45 | 0.872 | 90 | 1.000 |
| 50 | 1.000 | 100 | 1.147 |
| 55 | 1.132 | 110 | 1.298 |
| 60 | 1.267 | 120 | 1.454 |
| 65 | 1.406 | 130 | 1.613 |
| 70 | 1.549 | 150 | 1.776 |
| 75 | 1.694 | - | - |

Example: Exact output at Δt50 = 2000 Btu/hr

Output at Δt30 = 2000 x 0.515 = 1030 Btu/hr

## Testing and operating pressures

All models are high pressure tested to withstand 152.3 psi (10.5 bar). Strictly controlled independent laboratory testing ensures that all Stelrad radiators are guaranteed to perform to a maximum working pressure of 116 psi (8 bar) at a maximum temperature of 95°C. All conform to BS EN 442 - the European Standard for radiators.

## Connections

Each radiator has 4 x ½" connections as standard. A ¾" valve adaptor is also available, providing a ¾" connector option to the valve without reducing performance.

*(Please note: Concord and Radical have different connections. See pages 71 and 121)*

# information

## Applications

Stelrad radiators are suitable for two pipe installations. For single pipe applications, it is advisable to use diversion tees in the pipework, as this will assist in obtaining design performance from the radiators. Although our radiators are suitable for Microbore pipework, the back tappings make them unsuitable for twin entry valves.

## Installation

Everything required for installation can be found within each radiator's packaging. Brackets are of a strong design, with open top and deep slots, which facilitate easy and secure installation. Plastic inserts seat the radiator precisely on the bracket minimising expansion and contraction noise.

The neat nickel-plated plug and vent provide a watertight joint, whilst complementing the superior finish.

To facilitate easy one off replacement, nickel-plated brass extension pieces are also available, complete with sealing washer, in 20mm, 30mm and 40mm options. Recommended height from the floor to the base of the radiator is 150mm minimum. This allows adequate airflow when the radiator is placed on the bracket.

## Caution

When designing for domestic systems we recommend that the Stelrad radiators are only used in heating systems complying with British Standard Code of Practice for Central Heating for Domestic Premises BS EN 12828:2003 and BS EN 12831:2003.

Single feed, direct cylinders are not recommended as should interchange of water occur, fresh aerated water would enter the heating system, resulting in corrosion.

## Water treatment

On completion of the installation, the system should be properly flushed and filled in accordance with the British Standard Code of Practice BS 7593:2006 for the Treatment of Water in Domestic Hot Water Central Heating Systems, Part L of Building Regulations and Good Practice Guidance for Scotland.

After installation of a new Stelrad radiator the central heating system should be cleaned and flushed with cleaner to remove existing contaminants, flux residue and other installation debris which, if left, can cause damage to the new radiator. Afterwards, treat the system with an inhibitor to ensure long term protection against corrosion and limescale.

A comprehensive range of quality chemicals including inhibitors, cleaners, leak sealers and noise reducers that protect and maintain central heating systems can be obtained from:

**Sentinel** Performance Solutions Ltd
The Heath Business & Technical Park, Runcorn,
Cheshire WA7 4QX
Tel: 01928 588 330 (UK)
www.sentinel-solutions.net

**Fernox** - Cookson Electronics,
Forsyth Road, Sheerwater, Woking,
Surrey GU21 5RZ
www.fernox.com

## Two coat paint process

Each Stelrad radiator is subjected to a multi stage cleaning process before the paint is applied. This involves several rinsing stages, including an iron phosphate and demineralisation rinse. The first coat of paint is applied by electrophoresis and the radiator is then stoved and cooled. The second powder coat in warm white (RAL 9016) is applied and the radiator goes through a final curing stage. It is then allowed to cool, prior to packaging.

# Packaging

Robust packaging protects the product right through to hand over. Installation instructions can be found on the reverse of the identification label.

Example packaging only. The packaging for each radiator will vary.

Compact illustrated only

All fixing requirements are complete within the packaging. Content will vary depending on product.

STARS

STELRAD'S ADVANCED HEATLOSS CALCULATOR

The Stelrad STARS Heatloss Calculator contains an inbuilt U value calculator.

Save time and effort by using the Stelrad STARS program - the perfect solution for accurate sizing and design flexibility.

**Visit www.starsapp.co.uk**

# Accessories

Floor mounting brackets provide a practical solution for standard and towel rail models, where situations, such as tiled walls, create installation difficulties.

Classic Column floor standing feet.

Full height and anti-lift brackets are available for a secure fixing in commercial applications.

Additional Towel Rail. 30cm, 40cm, 46cm or 62cm

For Ellipse, Esprit and Vistaline 2 (except 320 width).

Optional extension pieces for easy replacement.

Chrome robe hooks. For Vistaline, Ellipse and Esprit.

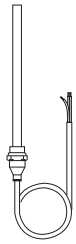
Optional ¾" inch valve adaptor for connection without performance reduction.

Drying & stacking rail, 55cm for Vistaline and Ellipse.

Preset key. (Radical only) Part of the hardware pack. UIN no. 9222.

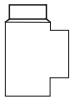
## Electric Heater Element Kit (Towel Rail Elements)

### Part Supplied

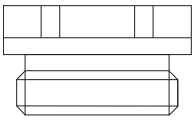


ElectricHeating Element

### Optional Fittings Supplied



T-Piece



Blanking Plug

# Best Sellers

*Our best selling ranges make Stelrad the UK's most popular radiator brand - not just for good looks and great heating, but also for outstanding technical performance.*



## Elite

- The UK's most popular radiator now delivers improved outputs for exceptional heating performance
- Specifically designed accessories, such as floor standing brackets, ensure that Stelrad Elite can be fitted anywhere
- Symmetrical convectors allow radiator mounting either way up
- TBOE connection ensures greater efficiency and economy
- All tappings are perfectly aligned, with best quality nickel-plated plugs and vents, incorporating high quality EPDM 'O' rings
- High definition pressings ensure smooth edges and corners and the perfect, run free, two-coat paint finish blends with all styles of décor
- White as standard

## Compact Range

- The vast and flexible Compact range now includes the new K3 three panel, three convector option
- Outstanding heat performance for smaller footprint
- Ideal for low energy systems
- White as standard

## STR

- This simple design allows both towel warming and space heating
- The ultimate in neat, efficient functionality
- Allows towels and clothes to warm without interfering with the flow of convected heat
- White as standard

## Towel Rails

- Range of sizes and outputs
- Towel rails offered with straight or curved rails
- Available in a white or chrome finish
- Special colour options available on request
- Electric heater kits available

## Caliente Towel Rail

- Elegant tube on tube design
- Ideal for modern, contemporary or period features
- Range of sizes and outputs
- Available in straight or curved
- For colour options refer to page 146

## Concord Towel Rail

- Flat rail design
- Contemporary styling
- Advanced technology
- Range of sizes and outputs
- For colour options refer to page 146

## Esprit

- Slim tubes give elegance to this beautiful ultra slim radiator
- Floor or wall mounted
- Available in 16 model options
- Available in chrome, white, straight or curved

## Softline

- Elegantly curved top grille and end panels
- High output radiator with heating performance which exceeds expectation
- Panels have been designed to eradicate any movement, providing a tight, professional fit
- Excellent efficiency and economical
- White as standard

**To underline their all-round dependable quality and performance, the Stelrad best selling Elite, Compact, STR and Softline come complete with a 10 year Manufacturer's Warranty.**

**The Towel Rail and Esprit come complete with a 5 year Manufacturer's Warranty.**

EURONORM EN 442 CE

**For further information and advice call 0844 543 6200**

# Stelrad Elite

## 50 Δt (75/65/20°C)




| Height | Length mm | Sections | P1 Heat output UIN | P1 Watts | P1 Btu/hr | K1 Heat output UIN | K1 Watts | K1 Btu/hr | P+ Heat output UIN | P+ Watts | P+ Btu/hr | K2 Heat output UIN | K2 Watts | K2 Btu/hr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 300 | 500 | 15 | - | - | - | 8430 | 259 | 884 | 8436 | 388 | 1324 | 8442 | 506 | 1726 |
| | 1000 | 30 | - | - | - | 8431 | 517 | 1764 | 8437 | 776 | 2648 | 8443 | 1012 | 3453 |
| | 1500 | 45 | - | - | - | 8432 | 776 | 2648 | 8438 | 1164 | 3972 | 8444 | 1518 | 5179 |
| | 2000 | 60 | - | - | - | 8433 | 1034 | 3528 | 8439 | 1552 | 5295 | 8445 | 2024 | 6906 |
| | 2500 | 75 | - | - | - | 8434 | 1293 | 4412 | 8440 | 1940 | 6621 | 8446 | 2530 | 8632 |
| | 3000 | 90 | - | - | - | 8435 | 1551 | 5292 | 8441 | 2328 | 7945 | 8447 | 3036 | 10359 |
| 450 | 400 | 12 | 8448 | 190 | 648 | 8461 | 307 | 1047 | 8479 | 442 | 1508 | 8497 | 564 | 1924 |
| | 500 | 15 | 8449 | 238 | 812 | 8462 | 384 | 1310 | 8480 | 553 | 1887 | 8498 | 705 | 2405 |
| | 600 | 18 | 8450 | 286 | 976 | 8463 | 461 | 1573 | 8481 | 664 | 2266 | 8499 | 845 | 2883 |
| | 700 | 21 | 8451 | 333 | 1136 | 8464 | 538 | 1836 | 8482 | 774 | 2641 | 8500 | 986 | 3364 |
| | 800 | 24 | 8452 | 381 | 1300 | 8465 | 614 | 2095 | 8483 | 885 | 3020 | 8501 | 1127 | 3845 |
| | 900 | 27 | 8453 | 428 | 1460 | 8466 | 691 | 2358 | 8484 | 995 | 3395 | 8502 | 1268 | 4326 |
| | 1000 | 30 | 8454 | 476 | 1624 | 8467 | 768 | 2620 | 8485 | 1106 | 3774 | 8503 | 1409 | 4808 |
| | 1100 | 33 | - | - | - | 8468 | 845 | 2883 | 8486 | 1217 | 4152 | 8504 | 1550 | 5289 |
| | 1200 | 36 | 8456 | 571 | 1948 | 8469 | 922 | 3146 | 8487 | 1327 | 4528 | 8505 | 1691 | 5770 |
| | 1400 | 42 | 8457 | 666 | 2272 | 8470 | 1075 | 3668 | 8488 | 1548 | 5282 | 8506 | 1973 | 6732 |
| | 1600 | 48 | 8458 | 762 | 2600 | 8471 | 1229 | 4193 | 8489 | 1770 | 6039 | 8507 | 2254 | 7691 |
| | 1800 | 54 | - | - | - | 8472 | 1382 | 4715 | 8490 | 1991 | 6793 | 8508 | 2536 | 8653 |
| | 2000 | 60 | 8459 | 952 | 3248 | 8473 | 1536 | 5241 | 8491 | 2212 | 7547 | 8509 | 2818 | 9615 |
| | 2200 | 66 | - | - | - | 8474 | 1690 | 5766 | 8492 | 2433 | 8301 | 8510 | 3100 | 10577 |
| | 2400 | 72 | 8460 | 1142 | 3897 | 8475 | 1843 | 6288 | 8493 | 2654 | 9055 | 8511 | 3382 | 11539 |
| | 2600 | 78 | - | - | - | 8476 | 1997 | 6814 | 8494 | 2876 | 9813 | 8512 | 3663 | 12498 |
| | 2800 | 84 | - | - | - | 8477 | 2150 | 7336 | 8495 | 3097 | 10567 | 8513 | 3945 | 13460 |
| | 3000 | 90 | - | - | - | 8478 | 2304 | 7861 | 8496 | 3318 | 11321 | 8514 | 4227 | 14423 |
| 600 | 400 | 12 | 8515 | 244 | 833 | 8528 | 400 | 1365 | 8546 | 564 | 1924 | 8564 | 711 | 2426 |
| | 500 | 15 | 8516 | 305 | 1041 | 8529 | 500 | 1706 | 8547 | 705 | 2405 | 8565 | 889 | 3033 |
| | 600 | 18 | 8517 | 366 | 1249 | 8530 | 600 | 2047 | 8548 | 845 | 2883 | 8566 | 1067 | 3641 |
| | 700 | 21 | 8518 | 427 | 1457 | 8531 | 700 | 2388 | 8549 | 986 | 3364 | 8567 | 1245 | 4248 |
| | 800 | 24 | 8519 | 488 | 1665 | 8532 | 800 | 2730 | 8550 | 1127 | 3845 | 8568 | 1422 | 4852 |
| | 900 | 27 | 8520 | 549 | 1873 | 8533 | 900 | 3071 | 8551 | 1268 | 4326 | 8569 | 1600 | 5459 |
| | 1000 | 30 | 8521 | 610 | 2081 | 8534 | 1000 | 3412 | 8552 | 1409 | 4808 | 8570 | 1778 | 6067 |
| | 1100 | 33 | - | - | - | 8535 | 1100 | 3753 | 8553 | 1550 | 5289 | 8571 | 1956 | 6674 |
| | 1200 | 36 | 8523 | 732 | 2498 | 8536 | 1200 | 4094 | 8554 | 1691 | 5770 | 8572 | 2134 | 7281 |
| | 1400 | 42 | 8524 | 854 | 2914 | 8537 | 1400 | 4777 | 8555 | 1973 | 6732 | 8573 | 2489 | 8492 |
| | 1600 | 48 | 8525 | 976 | 3330 | 8538 | 1600 | 5459 | 8556 | 2254 | 7691 | 8574 | 2845 | 9707 |
| | 1800 | 54 | - | - | - | 8539 | 1800 | 6142 | 8557 | 2536 | 8653 | 8575 | 3200 | 10918 |
| | 2000 | 60 | 8526 | 1220 | 4163 | 8540 | 2000 | 6824 | 8558 | 2818 | 9615 | 8576 | 3556 | 12133 |
| | 2200 | 66 | - | - | - | 8541 | 2200 | 7509 | 8559 | 3100 | 10577 | 8577 | 3912 | 13348 |
| | 2400 | 72 | 8527 | 1464 | 4995 | 8542 | 2400 | 8189 | 8560 | 3382 | 11539 | 8578 | 4267 | 14559 |
| | 2600 | 78 | - | - | - | 8543 | 2600 | 8871 | 8561 | 3663 | 12498 | 8579 | 4623 | 15774 |
| | 2800 | 84 | - | - | - | 8544 | 2800 | 9554 | 8562 | 3945 | 13460 | 8580 | 4978 | 16985 |
| | 3000 | 90 | - | - | - | 8545 | 3000 | 10239 | 8563 | 4227 | 14423 | 8581 | 5334 | 18200 |
| 700 | 400 | 12 | - | - | - | 8595 | 457 | 1559 | 8613 | 639 | 2180 | 8631 | 804 | 2743 |
| | 500 | 15 | - | - | - | 8596 | 571 | 1948 | 8614 | 799 | 2726 | 8632 | 1006 | 3432 |
| | 600 | 18 | - | - | - | 8597 | 685 | 2337 | 8615 | 958 | 3269 | 8633 | 1207 | 4118 |
| | 700 | 21 | - | - | - | 8598 | 799 | 2726 | 8616 | 1118 | 3815 | 8634 | 1408 | 4804 |
| | 800 | 24 | - | - | - | 8599 | 914 | 3119 | 8617 | 1278 | 4361 | 8635 | 1609 | 5490 |
| | 900 | 27 | - | - | - | 8600 | 1028 | 3508 | 8618 | 1437 | 4903 | 8636 | 1810 | 6176 |
| | 1000 | 30 | - | - | - | 8601 | 1142 | 3897 | 8619 | 1597 | 5449 | 8637 | 2011 | 6862 |
| | 1100 | 33 | - | - | - | 8602 | 1256 | 4285 | 8620 | 1757 | 5995 | 8638 | 2212 | 7547 |
| | 1200 | 36 | - | - | - | 8603 | 1370 | 4674 | 8621 | 1916 | 6537 | 8639 | 2413 | 8233 |
| | 1400 | 42 | - | - | - | 8604 | 1599 | 5456 | 8622 | 2236 | 7629 | 8640 | 2815 | 9605 |
| | 1600 | 48 | - | - | - | 8605 | 1827 | 6234 | 8623 | 2555 | 8718 | 8641 | 3218 | 10980 |
| | 1800 | 54 | - | - | - | 8606 | 2056 | 7015 | 8624 | 2875 | 9810 | 8642 | 3620 | 12351 |
| | 2000 | 60 | - | - | - | 8607 | 2284 | 7793 | 8625 | 3194 | 10898 | 8643 | 4022 | 13727 |
| | 2200 | 66 | - | - | - | 8608 | 2512 | 8571 | 8626 | 3513 | 11986 | 8644 | 4424 | 15099 |
| | 2400 | 72 | - | - | - | 8609 | 2741 | 9352 | 8627 | 3833 | 13078 | 8645 | 4826 | 16471 |
| | 2600 | 78 | - | - | - | 8610 | 2969 | 10130 | 8628 | 4152 | 14167 | 8646 | 5229 | 17847 |
| | 2800 | 84 | - | - | - | 8611 | 3198 | 10912 | 8629 | 4472 | 15258 | 8647 | 5631 | 19219 |
| | 3000 | 90 | - | - | - | 8612 | 3426 | 11690 | 8630 | 4791 | 16347 | 8648 | 6033 | 20591 |

Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer).

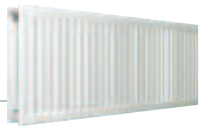
# Stelrad Elite

## 40 Δt (65/55/20°C)

P1 K1 P+ K2

| Height | Length mm | Sections | P1 UIN | P1 Watts | P1 Btu/hr | K1 UIN | K1 Watts | K1 Btu/hr | P+ UIN | P+ Watts | P+ Btu/hr | K2 UIN | K2 Watts | K2 Btu/hr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 300 | 500 | 15 | - | - | - | 8430 | 194 | 661 | 8436 | 290 | 990 | 8442 | 378 | 1291 |
| | 1000 | 30 | - | - | - | 8431 | 387 | 1319 | 8437 | 580 | 1980 | 8443 | 757 | 2583 |
| | 1500 | 45 | - | - | - | 8432 | 580 | 1980 | 8438 | 871 | 2971 | 8444 | 1135 | 3874 |
| | 2000 | 60 | - | - | - | 8433 | 773 | 2639 | 8439 | 1161 | 3961 | 8445 | 1514 | 5166 |
| | 2500 | 75 | - | - | - | 8434 | 967 | 3300 | 8440 | 1451 | 4951 | 8446 | 1892 | 6457 |
| | 3000 | 90 | - | - | - | 8435 | 1160 | 3958 | 8441 | 1741 | 5941 | 8447 | 2271 | 7748 |
| 450 | 400 | 12 | 8448 | 142 | 485 | 8461 | 230 | 784 | 8479 | 331 | 1128 | 8497 | 422 | 1439 |
| | 500 | 15 | 8449 | 178 | 607 | 8462 | 287 | 980 | 8480 | 414 | 1411 | 8498 | 527 | 1799 |
| | 600 | 18 | 8450 | 214 | 730 | 8463 | 345 | 1177 | 8481 | 497 | 1695 | 8499 | 632 | 2157 |
| | 700 | 21 | 8451 | 249 | 850 | 8464 | 402 | 1373 | 8482 | 579 | 1975 | 8500 | 738 | 2516 |
| | 800 | 24 | 8452 | 285 | 972 | 8465 | 459 | 1567 | 8483 | 662 | 2259 | 8501 | 843 | 2876 |
| | 900 | 27 | 8453 | 320 | 1092 | 8466 | 517 | 1764 | 8484 | 744 | 2539 | 8502 | 948 | 3236 |
| | 1000 | 30 | 8454 | 356 | 1215 | 8467 | 574 | 1960 | 8485 | 827 | 2823 | 8503 | 1054 | 3596 |
| | 1100 | 33 | - | - | - | 8468 | 632 | 2157 | 8486 | 910 | 3106 | 8504 | 1159 | 3956 |
| | 1200 | 36 | 8456 | 427 | 1457 | 8469 | 690 | 2353 | 8487 | 993 | 3387 | 8505 | 1265 | 4316 |
| | 1400 | 42 | 8457 | 498 | 1700 | 8470 | 804 | 2744 | 8488 | 1158 | 3951 | 8506 | 1476 | 5035 |
| | 1600 | 48 | 8458 | 570 | 1945 | 8471 | 919 | 3137 | 8489 | 1324 | 4517 | 8507 | 1686 | 5753 |
| | 1800 | 54 | - | - | - | 8472 | 1034 | 3527 | 8490 | 1489 | 5081 | 8508 | 1897 | 6472 |
| | 2000 | 60 | 8459 | 712 | 2430 | 8473 | 1149 | 3920 | 8491 | 1655 | 5645 | 8509 | 2108 | 7192 |
| | 2200 | 66 | - | - | - | 8474 | 1264 | 4313 | 8492 | 1820 | 6209 | 8510 | 2319 | 7912 |
| | 2400 | 72 | 8460 | 854 | 2915 | 8475 | 1379 | 4704 | 8493 | 1985 | 6773 | 8511 | 2530 | 8631 |
| | 2600 | 78 | - | - | - | 8476 | 1494 | 5097 | 8494 | 2151 | 7340 | 8512 | 2740 | 9349 |
| | 2800 | 84 | - | - | - | 8477 | 1608 | 5487 | 8495 | 2317 | 7904 | 8513 | 2951 | 10068 |
| | 3000 | 90 | - | - | - | 8478 | 1723 | 5880 | 8496 | 2482 | 8468 | 8514 | 3162 | 10788 |
| 600 | 400 | 12 | 8515 | 183 | 623 | 8528 | 299 | 1021 | 8546 | 422 | 1439 | 8564 | 532 | 1815 |
| | 500 | 15 | 8516 | 228 | 778 | 8529 | 374 | 1276 | 8547 | 527 | 1799 | 8565 | 665 | 2269 |
| | 600 | 18 | 8517 | 274 | 934 | 8530 | 449 | 1531 | 8548 | 632 | 2157 | 8566 | 798 | 2723 |
| | 700 | 21 | 8518 | 319 | 1090 | 8531 | 524 | 1787 | 8549 | 738 | 2516 | 8567 | 931 | 3177 |
| | 800 | 24 | 8519 | 365 | 1245 | 8532 | 598 | 2042 | 8550 | 843 | 2876 | 8568 | 1064 | 3629 |
| | 900 | 27 | 8520 | 411 | 1401 | 8533 | 673 | 2297 | 8551 | 948 | 3236 | 8569 | 1197 | 4083 |
| | 1000 | 30 | 8521 | 456 | 1557 | 8534 | 748 | 2552 | 8552 | 1054 | 3596 | 8570 | 1330 | 4538 |
| | 1100 | 33 | - | - | - | 8535 | 823 | 2807 | 8553 | 1159 | 3956 | 8571 | 1463 | 4992 |
| | 1200 | 36 | 8523 | 548 | 1868 | 8536 | 898 | 3063 | 8554 | 1265 | 4316 | 8572 | 1596 | 5446 |
| | 1400 | 42 | 8524 | 639 | 2180 | 8537 | 1047 | 3573 | 8555 | 1476 | 5035 | 8573 | 1862 | 6352 |
| | 1600 | 48 | 8525 | 730 | 2491 | 8538 | 1197 | 4083 | 8556 | 1686 | 5753 | 8574 | 2128 | 7261 |
| | 1800 | 54 | - | - | - | 8539 | 1346 | 4594 | 8557 | 1897 | 6472 | 8575 | 2394 | 8167 |
| | 2000 | 60 | 8526 | 913 | 3114 | 8540 | 1496 | 5104 | 8558 | 2108 | 7192 | 8576 | 2660 | 9076 |
| | 2200 | 66 | - | - | - | 8541 | 1646 | 5615 | 8559 | 2319 | 7912 | 8577 | 2926 | 9984 |
| | 2400 | 72 | 8527 | 1095 | 3736 | 8542 | 1795 | 6125 | 8560 | 2530 | 8631 | 8578 | 3192 | 10890 |
| | 2600 | 78 | - | - | - | 8543 | 1945 | 6636 | 8561 | 2740 | 9349 | 8579 | 3458 | 11799 |
| | 2800 | 84 | - | - | - | 8544 | 2094 | 7146 | 8562 | 2951 | 10068 | 8580 | 3724 | 12705 |
| | 3000 | 90 | - | - | - | 8545 | 2244 | 7657 | 8563 | 3162 | 10788 | 8581 | 3990 | 13613 |
| 700 | 400 | 12 | - | - | - | 8595 | 342 | 1166 | 8613 | 478 | 1631 | 8631 | 601 | 2052 |
| | 500 | 15 | - | - | - | 8596 | 427 | 1457 | 8614 | 598 | 2039 | 8632 | 752 | 2567 |
| | 600 | 18 | - | - | - | 8597 | 512 | 1748 | 8615 | 717 | 2445 | 8633 | 903 | 3080 |
| | 700 | 21 | - | - | - | 8598 | 598 | 2039 | 8616 | 836 | 2853 | 8634 | 1053 | 3593 |
| | 800 | 24 | - | - | - | 8599 | 684 | 2333 | 8617 | 956 | 3262 | 8635 | 1204 | 4106 |
| | 900 | 27 | - | - | - | 8600 | 769 | 2624 | 8618 | 1075 | 3667 | 8636 | 1354 | 4619 |
| | 1000 | 30 | - | - | - | 8601 | 854 | 2915 | 8619 | 1195 | 4076 | 8637 | 1504 | 5132 |
| | 1100 | 33 | - | - | - | 8602 | 939 | 3206 | 8620 | 1314 | 4484 | 8638 | 1655 | 5645 |
| | 1200 | 36 | - | - | - | 8603 | 1025 | 3496 | 8621 | 1433 | 4890 | 8639 | 1805 | 6158 |
| | 1400 | 42 | - | - | - | 8604 | 1196 | 4081 | 8622 | 1673 | 5707 | 8640 | 2106 | 7184 |
| | 1600 | 48 | - | - | - | 8605 | 1367 | 4663 | 8623 | 1911 | 6521 | 8641 | 2407 | 8213 |
| | 1800 | 54 | - | - | - | 8606 | 1538 | 5247 | 8624 | 2151 | 7338 | 8642 | 2708 | 9239 |
| | 2000 | 60 | - | - | - | 8607 | 1708 | 5829 | 8625 | 2389 | 8152 | 8643 | 3008 | 10265 |
| | 2200 | 66 | - | - | - | 8608 | 1879 | 6411 | 8626 | 2628 | 8966 | 8644 | 3309 | 11291 |
| | 2400 | 72 | - | - | - | 8609 | 2050 | 6996 | 8627 | 2867 | 9782 | 8645 | 3610 | 12317 |
| | 2600 | 78 | - | - | - | 8610 | 2221 | 7577 | 8628 | 3106 | 10597 | 8646 | 3911 | 13345 |
| | 2800 | 84 | - | - | - | 8611 | 2392 | 8162 | 8629 | 3345 | 11413 | 8647 | 4212 | 14371 |
| | 3000 | 90 | - | - | - | 8612 | 2563 | 8744 | 8630 | 3584 | 12227 | 8648 | 4513 | 15397 |

# Stelrad Elite



## 30 Δt (55/45/20°C)




| Height | Length mm | Sections | P1 Heat output UIN | P1 Watts | P1 Btu/hr | K1 Heat output UIN | K1 Watts | K1 Btu/hr | P+ Heat output UIN | P+ Watts | P+ Btu/hr | K2 Heat output UIN | K2 Watts | K2 Btu/hr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 300 | 500 | 15 | - | - | - | 8430 | 133 | 455 | 8436 | 200 | 682 | 8442 | 261 | 889 |
| | 1000 | 30 | - | - | - | 8431 | 266 | 908 | 8437 | 400 | 1364 | 8443 | 521 | 1778 |
| | 1500 | 45 | - | - | - | 8432 | 400 | 1364 | 8438 | 599 | 2045 | 8444 | 782 | 2667 |
| | 2000 | 60 | - | - | - | 8433 | 533 | 1817 | 8439 | 799 | 2727 | 8445 | 1042 | 3557 |
| | 2500 | 75 | - | - | - | 8434 | 666 | 2272 | 8440 | 999 | 3409 | 8446 | 1303 | 4446 |
| | 3000 | 90 | - | - | - | 8435 | 799 | 2725 | 8441 | 1199 | 4091 | 8447 | 1564 | 5335 |
| 450 | 400 | 12 | 8448 | 98 | 334 | 8461 | 158 | 539 | 8479 | 228 | 777 | 8497 | 290 | 991 |
| | 500 | 15 | 8449 | 123 | 418 | 8462 | 198 | 675 | 8480 | 285 | 972 | 8498 | 363 | 1239 |
| | 600 | 18 | 8450 | 147 | 503 | 8463 | 237 | 810 | 8481 | 342 | 1167 | 8499 | 435 | 1485 |
| | 700 | 21 | 8451 | 171 | 585 | 8464 | 277 | 945 | 8482 | 399 | 1360 | 8500 | 508 | 1733 |
| | 800 | 24 | 8452 | 196 | 669 | 8465 | 316 | 1079 | 8483 | 456 | 1555 | 8501 | 580 | 1980 |
| | 900 | 27 | 8453 | 220 | 752 | 8466 | 356 | 1214 | 8484 | 512 | 1748 | 8502 | 653 | 2228 |
| | 1000 | 30 | 8454 | 245 | 836 | 8467 | 396 | 1350 | 8485 | 570 | 1943 | 8503 | 726 | 2476 |
| | 1100 | 33 | - | - | - | 8468 | 435 | 1485 | 8486 | 627 | 2138 | 8504 | 798 | 2724 |
| | 1200 | 36 | 8456 | 294 | 1003 | 8469 | 475 | 1620 | 8487 | 683 | 2332 | 8505 | 871 | 2971 |
| | 1400 | 42 | 8457 | 343 | 1170 | 8470 | 554 | 1889 | 8488 | 797 | 2720 | 8506 | 1016 | 3467 |
| | 1600 | 48 | 8458 | 392 | 1339 | 8471 | 633 | 2160 | 8489 | 912 | 3110 | 8507 | 1161 | 3961 |
| | 1800 | 54 | - | - | - | 8472 | 712 | 2428 | 8490 | 1025 | 3499 | 8508 | 1306 | 4456 |
| | 2000 | 60 | 8459 | 490 | 1673 | 8473 | 791 | 2699 | 8491 | 1139 | 3887 | 8509 | 1451 | 4952 |
| | 2200 | 66 | - | - | - | 8474 | 870 | 2970 | 8492 | 1253 | 4275 | 8510 | 1597 | 5447 |
| | 2400 | 72 | 8460 | 588 | 2007 | 8475 | 949 | 3238 | 8493 | 1367 | 4664 | 8511 | 1742 | 5943 |
| | 2600 | 78 | - | - | - | 8476 | 1028 | 3509 | 8494 | 1481 | 5054 | 8512 | 1886 | 6437 |
| | 2800 | 84 | - | - | - | 8477 | 1107 | 3778 | 8495 | 1595 | 5442 | 8513 | 2032 | 6932 |
| | 3000 | 90 | - | - | - | 8478 | 1187 | 4049 | 8496 | 1709 | 5830 | 8514 | 2177 | 7428 |
| 600 | 400 | 12 | 8515 | 126 | 429 | 8528 | 206 | 703 | 8546 | 290 | 991 | 8564 | 366 | 1249 |
| | 500 | 15 | 8516 | 157 | 536 | 8529 | 258 | 879 | 8547 | 363 | 1239 | 8565 | 458 | 1562 |
| | 600 | 18 | 8517 | 188 | 643 | 8530 | 309 | 1054 | 8548 | 435 | 1485 | 8566 | 550 | 1875 |
| | 700 | 21 | 8518 | 220 | 750 | 8531 | 361 | 1230 | 8549 | 508 | 1733 | 8567 | 641 | 2188 |
| | 800 | 24 | 8519 | 251 | 858 | 8532 | 412 | 1406 | 8550 | 580 | 1980 | 8568 | 732 | 2499 |
| | 900 | 27 | 8520 | 283 | 965 | 8533 | 464 | 1581 | 8551 | 653 | 2228 | 8569 | 824 | 2811 |
| | 1000 | 30 | 8521 | 314 | 1072 | 8534 | 515 | 1757 | 8552 | 726 | 2476 | 8570 | 916 | 3124 |
| | 1100 | 33 | - | - | - | 8535 | 567 | 1933 | 8553 | 798 | 2724 | 8571 | 1007 | 3437 |
| | 1200 | 36 | 8523 | 377 | 1286 | 8536 | 618 | 2109 | 8554 | 871 | 2971 | 8572 | 1099 | 3750 |
| | 1400 | 42 | 8524 | 440 | 1501 | 8537 | 721 | 2460 | 8555 | 1016 | 3467 | 8573 | 1282 | 4374 |
| | 1600 | 48 | 8525 | 503 | 1715 | 8538 | 824 | 2811 | 8556 | 1161 | 3961 | 8574 | 1465 | 4999 |
| | 1800 | 54 | - | - | - | 8539 | 927 | 3163 | 8557 | 1306 | 4456 | 8575 | 1648 | 5623 |
| | 2000 | 60 | 8526 | 628 | 2144 | 8540 | 1030 | 3514 | 8558 | 1451 | 4952 | 8576 | 1831 | 6249 |
| | 2200 | 66 | - | - | - | 8541 | 1133 | 3866 | 8559 | 1597 | 5447 | 8577 | 2015 | 6874 |
| | 2400 | 72 | 8527 | 754 | 2573 | 8542 | 1236 | 4217 | 8560 | 1742 | 5943 | 8578 | 2198 | 7498 |
| | 2600 | 78 | - | - | - | 8543 | 1339 | 4569 | 8561 | 1886 | 6437 | 8579 | 2381 | 8123 |
| | 2800 | 84 | - | - | - | 8544 | 1442 | 4920 | 8562 | 2032 | 6932 | 8580 | 2564 | 8747 |
| | 3000 | 90 | - | - | - | 8545 | 1545 | 5272 | 8563 | 2177 | 7428 | 8581 | 2747 | 9373 |
| 700 | 400 | 12 | - | - | - | 8595 | 235 | 803 | 8613 | 329 | 1123 | 8631 | 414 | 1413 |
| | 500 | 15 | - | - | - | 8596 | 294 | 1003 | 8614 | 411 | 1404 | 8632 | 518 | 1768 |
| | 600 | 18 | - | - | - | 8597 | 353 | 1204 | 8615 | 493 | 1683 | 8633 | 622 | 2121 |
| | 700 | 21 | - | - | - | 8598 | 411 | 1404 | 8616 | 576 | 1965 | 8634 | 725 | 2474 |
| | 800 | 24 | - | - | - | 8599 | 471 | 1606 | 8617 | 658 | 2246 | 8635 | 829 | 2827 |
| | 900 | 27 | - | - | - | 8600 | 529 | 1806 | 8618 | 740 | 2525 | 8636 | 932 | 3180 |
| | 1000 | 30 | - | - | - | 8601 | 588 | 2007 | 8619 | 822 | 2806 | 8637 | 1036 | 3534 |
| | 1100 | 33 | - | - | - | 8602 | 647 | 2207 | 8620 | 905 | 3087 | 8638 | 1139 | 3887 |
| | 1200 | 36 | - | - | - | 8603 | 706 | 2407 | 8621 | 987 | 3367 | 8639 | 1243 | 4240 |
| | 1400 | 42 | - | - | - | 8604 | 823 | 2810 | 8622 | 1152 | 3929 | 8640 | 1450 | 4946 |
| | 1600 | 48 | - | - | - | 8605 | 941 | 3210 | 8623 | 1316 | 4490 | 8641 | 1657 | 5655 |
| | 1800 | 54 | - | - | - | 8606 | 1059 | 3613 | 8624 | 1481 | 5052 | 8642 | 1864 | 6361 |
| | 2000 | 60 | - | - | - | 8607 | 1176 | 4013 | 8625 | 1645 | 5612 | 8643 | 2071 | 7067 |
| | 2200 | 66 | - | - | - | 8608 | 1294 | 4414 | 8626 | 1809 | 6173 | 8644 | 2278 | 7774 |
| | 2400 | 72 | - | - | - | 8609 | 1412 | 4816 | 8627 | 1974 | 6735 | 8645 | 2485 | 8480 |
| | 2600 | 78 | - | - | - | 8610 | 1529 | 5217 | 8628 | 2138 | 7296 | 8646 | 2693 | 9188 |
| | 2800 | 84 | - | - | - | 8611 | 1647 | 5619 | 8629 | 2303 | 7858 | 8647 | 2900 | 9895 |
| | 3000 | 90 | - | - | - | 8612 | 1764 | 6020 | 8630 | 2467 | 8419 | 8648 | 3107 | 10601 |

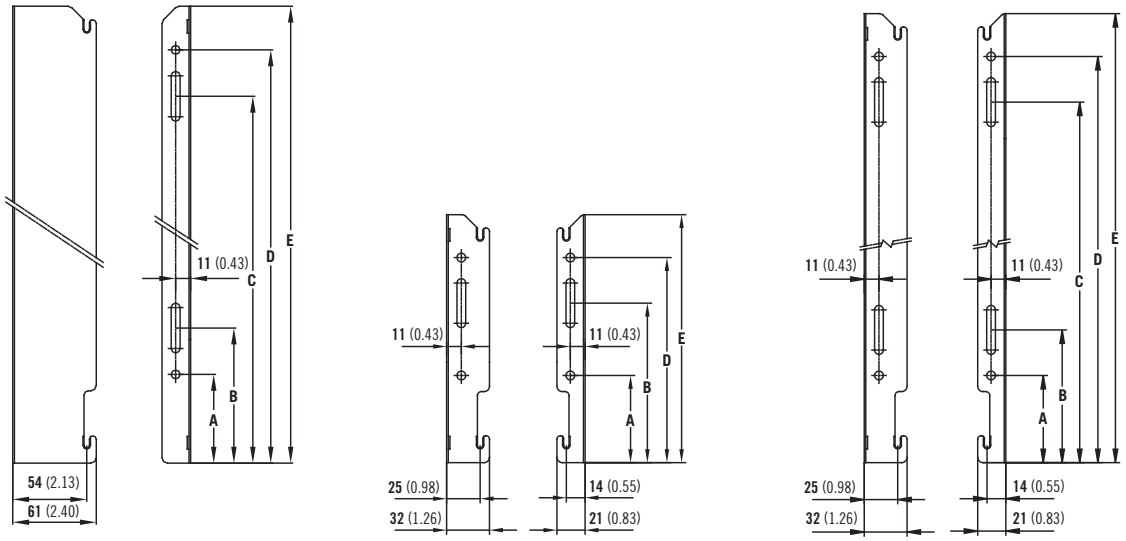
## EN 442 Certification Data – CETIAT tested in accordance with BS EN 442

| Type | P1 | | K1 | | | | P+ | | | | K2 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Height | 450 | 600 | 300 | 450 | 600 | 700 | 300 | 450 | 600 | 700 | 300 | 450 | 600 | 700 |
| W/m at 75/65/20 | 476 | 610 | 517 | 768 | 1000 | 1142 | 776 | 1106 | 1409 | 1597 | 1012 | 1409 | 1778 | 2011 |
| n-coefficients | 1.30 | 1.31 | 1.31 | 1.30 | 1.29 | 1.29 | 1.33 | 1.33 | 1.33 | 1.34 | 1.33 | 1.33 | 1.23 | 1.34 |
| Heated Surface Area ($m^2$/m) | 1.03 | 1.37 | 2.09 | 3.37 | 4.66 | 5.51 | 2.44 | 3.84 | 5.24 | 6.18 | 3.51 | 5.62 | 7.74 | 9.15 |
| Weight (kg/m) | 9.25 | 12.33 | 8.38 | 13.34 | 18.30 | 21.33 | 13.71 | 21.31 | 28.90 | 33.50 | 15.90 | 24.80 | 33.70 | 39.13 |
| Water Contents (l/m) | 2.57 | 3.25 | 1.89 | 2.57 | 3.25 | 3.77 | 3.70 | 5.15 | 6.60 | 7.63 | 3.70 | 5.15 | 6.60 | 7.63 |
| Wall to tap centre (mm) | 46 | 46 | 51 | 51 | 51 | 51 | 62 | 62 | 62 | 62 | 73 | 73 | 73 | 73 |

## Elite mounting brackets

All dimensions in mm. Inches in brackets.

Floor mounting brackets available.
See page 42.

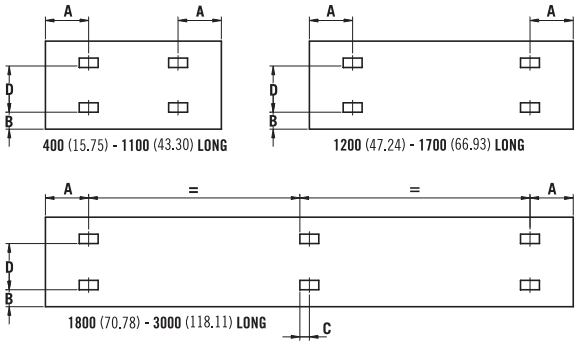



P1 | K1, P+ and K2 (300mm) | K1, P+ and K2 (Over 300mm)

| Dimensions | mm | in | mm | in | mm | in | mm | in |
|---|---|---|---|---|---|---|---|---|
| Rad height | 300 | 11.81 | 450 | 17.72 | 600 | 23.62 | 700 | 27.56 |
| A | 65 | 2.56 | 65 | 2.56 | 65 | 2.56 | 65 | 2.56 |
| B | 119 | 4.69 | 99 | 3.90 | 99 | 3.90 | 99 | 3.90 |
| C | - | - | 269 | 10.59 | 419 | 16.50 | 519 | 20.43 |
| D | 153 | 6.02 | 303 | 11.93 | 453 | 17.83 | 553 | 21.77 |
| E | 185 | 7.28 | 335 | 13.19 | 485 | 19.09 | 585 | 23.03 |

## K1, P+, K2 and P1 lug positions

All dimensions in mm. Inches in brackets.




P1, P+ & K2

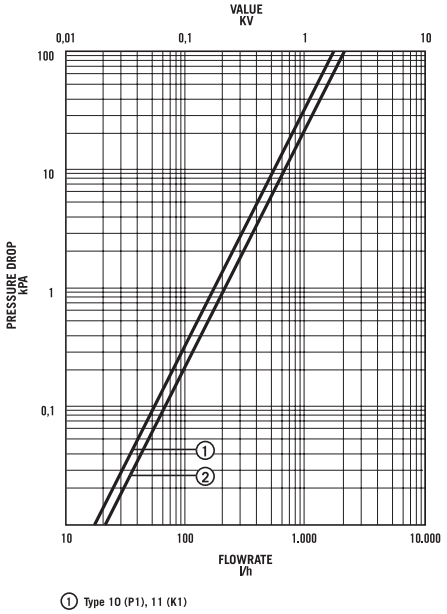
| Dimensions | mm | in |
|---|---|---|
| A | 133 | 5.24 |
| B | 60 | 2.36 |

| Panel Height | | D | |
|---|---|---|---|
| mm | in | mm | in |
| 300 | 11.81 | 155 | 6.10 |
| 450 | 17.72 | 305 | 12.01 |
| 600 | 23.62 | 455 | 17.91 |
| 700 | 27.56 | 555 | 21.95 |

K1

| Dimensions | | mm | in |
|---|---|---|---|
| A | 400mm | 117 | 4.61 |
| A | 500 - 3000mm | 150 | 5.91 |
| B | 400 - 3000mm | 60 | 2.36 |
| C | 1800 - 3000mm | 17 | 0.67 |

## Pressure drops

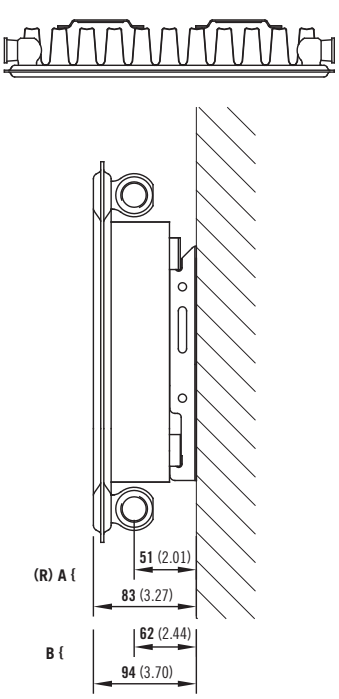



① Type 10 (P1), 11 (K1)
② Type 21 (P+), 22 (K2)

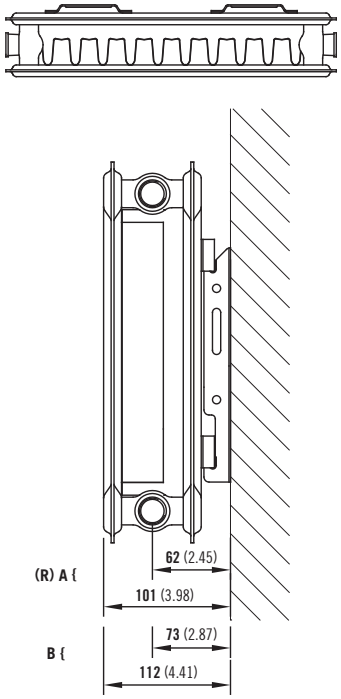
## Elite wall mounting information

All dimensions in mm. Inches in brackets.

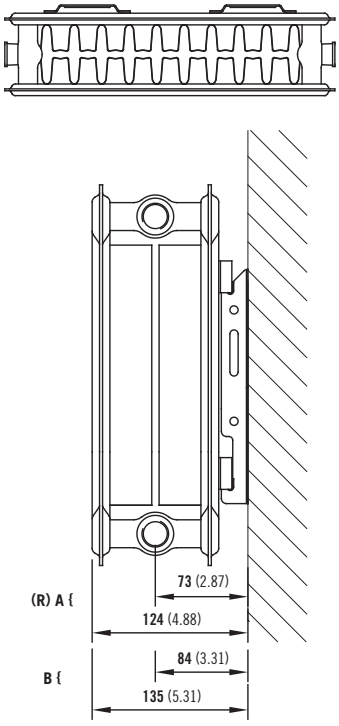
K1



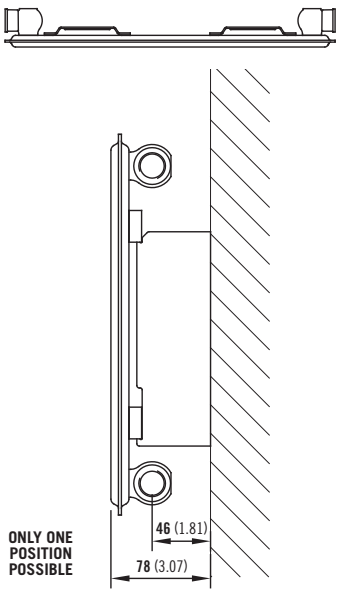

P+



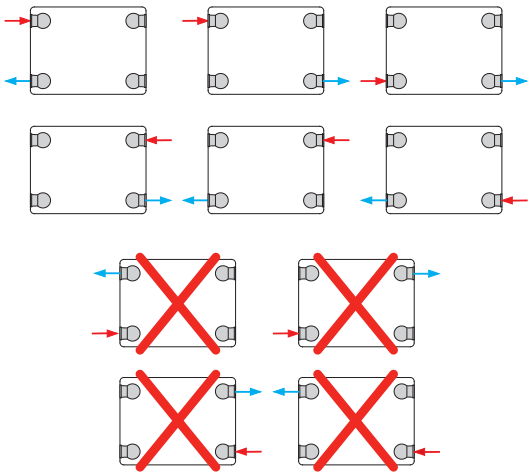

K2




P1




## Elite piping options

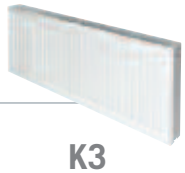


## Elite bracket position

A = Closest to Wall  B = Furthest from Wall

(R) = Recommended Mounting Position

# Stelrad Compact Range



## 50 Δt (75/65/20°C)

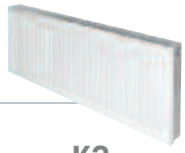




| Height | Length mm | Sections | P1 | | | K1 | | | P+ | | | K2 | | | K3 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | UIN | Heat output Watt | Heat output Btu/hr | UIN | Heat output Watt | Heat output Btu/hr | UIN | Heat output Watt | Heat output Btu/hr | UIN | Heat output Watt | Heat output Btu/hr | UIN | Heat output Watt | Heat output Btu/hr |
| 300 | 500 | 15 | - | - | - | 143650 | 255 | 870 | 143656 | 373 | 1273 | 143662 | 491 | 1675 | - | - | - |
| | 1000 | 30 | - | - | - | 143651 | 509 | 1737 | 143657 | 745 | 2542 | 143663 | 982 | 3351 | 3033310 | 1349 | 4603 |
| | 1500 | 45 | - | - | - | 143652 | 764 | 2607 | 143658 | 1118 | 3815 | 143664 | 1473 | 5026 | - | - | - |
| | 2000 | 60 | - | - | - | 143653 | 1018 | 3473 | 143659 | 1490 | 5084 | 143665 | 1964 | 6701 | 3033320 | 2698 | 9206 |
| | 2500 | 75 | - | - | - | 143654 | 1273 | 4343 | 143660 | 1863 | 6357 | 143666 | 2455 | 8376 | - | - | - |
| | 3000 | 90 | - | - | - | 143655 | 1527 | 5210 | 143661 | 2235 | 7626 | 143667 | 2946 | 10052 | - | - | - |
| 450 | 400 | 12 | 143668 | 190 | 648 | 143680 | 302 | 1030 | 143698 | 422 | 1440 | 143716 | 548 | 1870 | - | - | - |
| | 500 | 15 | 143669 | 237 | 809 | 143681 | 378 | 1290 | 143699 | 528 | 1802 | 143717 | 686 | 2341 | - | - | - |
| | 600 | 18 | 143670 | 284 | 969 | 143682 | 454 | 1549 | 143700 | 633 | 2160 | 143718 | 823 | 2808 | - | - | - |
| | 700 | 21 | 143671 | 332 | 1133 | 143683 | 529 | 1805 | 143701 | 739 | 2521 | 143719 | 960 | 3276 | - | - | - |
| | 800 | 24 | 143672 | 379 | 1293 | 143684 | 605 | 2064 | 143702 | 844 | 2880 | 143720 | 1097 | 3743 | - | - | - |
| | 900 | 27 | 143673 | 427 | 1457 | 143685 | 680 | 2320 | 143703 | 950 | 3241 | 143721 | 1234 | 4210 | - | - | - |
| | 1000 | 30 | 143674 | 474 | 1617 | 143686 | 756 | 2579 | 143704 | 1055 | 3600 | 143722 | 1371 | 4678 | - | - | - |
| | 1100 | 33 | - | - | - | 143687 | 832 | 2839 | 143705 | 1161 | 3961 | 143723 | 1508 | 5145 | - | - | - |
| | 1200 | 36 | 143675 | 569 | 1941 | 143688 | 907 | 3095 | 143706 | 1266 | 4320 | 143724 | 1645 | 5613 | - | - | - |
| | 1400 | 42 | 143676 | 664 | 2266 | 143689 | 1058 | 3610 | 143707 | 1477 | 5040 | 143725 | 1919 | 6548 | - | - | - |
| | 1600 | 48 | 143677 | 758 | 2586 | 143690 | 1210 | 4129 | 143708 | 1688 | 5759 | 143726 | 2194 | 7486 | - | - | - |
| | 1800 | 54 | - | - | - | 143691 | 1361 | 4644 | 143709 | 1899 | 6479 | 143727 | 2468 | 8421 | - | - | - |
| | 2000 | 60 | - | - | - | 143692 | 1512 | 5159 | 143710 | 2110 | 7199 | 143728 | 2742 | 9356 | - | - | - |
| | 2200 | 66 | - | - | - | 143693 | 1663 | 5674 | 143711 | 2321 | 7919 | 143729 | 3016 | 10291 | - | - | - |
| | 2400 | 72 | - | - | - | 143694 | 1814 | 6189 | 143712 | 2532 | 8639 | 143730 | 3290 | 11225 | - | - | - |
| | 2600 | 78 | - | - | - | 143695 | 1966 | 6708 | 143713 | 2743 | 9359 | 143731 | 3565 | 12164 | - | - | - |
| | 2800 | 84 | - | - | - | 143696 | 2117 | 7223 | 143714 | 2954 | 10079 | 143732 | 3839 | 13099 | - | - | - |
| | 3000 | 90 | - | - | - | 143697 | 2268 | 7738 | 143715 | 3165 | 10799 | 143733 | 4113 | 14034 | - | - | - |
| 500 | 600 | 18 | - | - | - | - | - | - | - | - | - | - | - | - | 3053306 | 1234 | 4210 |
| | 700 | 21 | - | - | - | - | - | - | - | - | - | - | - | - | 3053307 | 1439 | 4910 |
| | 800 | 24 | - | - | - | - | - | - | - | - | - | - | - | - | 3053308 | 1645 | 5613 |
| | 900 | 27 | - | - | - | - | - | - | - | - | - | - | - | - | 3053309 | 1850 | 6312 |
| | 1000 | 30 | - | - | - | - | - | - | - | - | - | - | - | - | 3053310 | 2056 | 7015 |
| | 1100 | 33 | - | - | - | - | - | - | - | - | - | - | - | - | 3053311 | 2262 | 7718 |
| | 1200 | 36 | - | - | - | - | - | - | - | - | - | - | - | - | 3053312 | 2467 | 8417 |
| | 1400 | 42 | - | - | - | - | - | - | - | - | - | - | - | - | 3053314 | 2878 | 9820 |
| | 1600 | 48 | - | - | - | - | - | - | - | - | - | - | - | - | 3053316 | 3290 | 11225 |
| | 1800 | 54 | - | - | - | - | - | - | - | - | - | - | - | - | 3053318 | 3701 | 12628 |
| | 2000 | 60 | - | - | - | - | - | - | - | - | - | - | - | - | 3053320 | 4112 | 14030 |
| | 2400 | 72 | - | - | - | - | - | - | - | - | - | - | - | - | 3053324 | 4934 | 16835 |
| 600 | 400 | 12 | 143734 | 248 | 846 | 143746 | 392 | 1338 | 143764 | 538 | 1836 | 143782 | 693 | 2365 | 3063304 | 956 | 3262 |
| | 500 | 15 | 143735 | 310 | 1058 | 143747 | 490 | 1672 | 143765 | 673 | 2296 | 143783 | 866 | 2955 | 3063305 | 1195 | 4077 |
| | 600 | 18 | 143736 | 371 | 1266 | 143748 | 588 | 2006 | 143766 | 807 | 2753 | 143784 | 1039 | 3545 | 3063306 | 1433 | 4889 |
| | 700 | 21 | 143737 | 433 | 1477 | 143749 | 686 | 2341 | 143767 | 942 | 3214 | 143785 | 1212 | 4135 | 3063307 | 1672 | 5705 |
| | 800 | 24 | 143738 | 495 | 1689 | 143750 | 784 | 2675 | 143768 | 1076 | 3671 | 143786 | 1386 | 4729 | 3063308 | 1911 | 6520 |
| | 900 | 27 | 143739 | 557 | 1900 | 143751 | 882 | 3009 | 143769 | 1211 | 4132 | 143787 | 1559 | 5319 | 3063309 | 2150 | 7336 |
| | 1000 | 30 | 143740 | 619 | 2112 | 143752 | 980 | 3344 | 143770 | 1345 | 4589 | 143788 | 1732 | 5910 | 3063310 | 2389 | 8151 |
| | 1100 | 33 | - | - | - | 143753 | 1078 | 3678 | 143771 | 1480 | 5050 | 143789 | 1905 | 6500 | 3063311 | 2628 | 8967 |
| | 1200 | 36 | 143741 | 743 | 2535 | 143754 | 1176 | 4013 | 143772 | 1614 | 5507 | 143790 | 2078 | 7090 | 3063312 | 2867 | 9782 |
| | 1400 | 42 | 143742 | 867 | 2958 | 143755 | 1372 | 4681 | 143773 | 1883 | 6425 | 143791 | 2425 | 8274 | 3063314 | 3345 | 11413 |
| | 1600 | 48 | 143743 | 990 | 3378 | 143756 | 1568 | 5350 | 143774 | 2152 | 7343 | 143792 | 2771 | 9455 | 3063316 | 3822 | 13041 |
| | 1800 | 54 | - | - | - | 143757 | 1764 | 6019 | 143775 | 2421 | 8260 | 143793 | 3118 | 10639 | 3063318 | 4300 | 14672 |
| | 2000 | 60 | - | - | - | 143758 | 1960 | 6688 | 143776 | 2690 | 9178 | 143794 | 3464 | 11819 | 3063320 | 4778 | 16303 |
| | 2200 | 66 | - | - | - | 143759 | 2156 | 7356 | 143777 | 2959 | 10096 | 143795 | 3810 | 13000 | - | - | - |
| | 2400 | 72 | - | - | - | 143760 | 2352 | 8025 | 143778 | 3228 | 11014 | 143796 | 4157 | 14184 | 3063324 | 5734 | 19564 |
| | 2600 | 78 | - | - | - | 143761 | 2548 | 8694 | 143779 | 3497 | 11932 | 143797 | 4503 | 15364 | - | - | - |
| | 2800 | 84 | - | - | - | 143762 | 2744 | 9363 | 143780 | 3766 | 12850 | 143798 | 4850 | 16548 | - | - | - |
| | 3000 | 90 | - | - | - | 143763 | 2940 | 10031 | 143781 | 4035 | 13767 | 143799 | 5196 | 17729 | - | - | - |
| 700 | 400 | 12 | - | - | - | 143812 | 447 | 1525 | 143830 | 612 | 2088 | 143848 | 784 | 2675 | - | - | - |
| | 500 | 15 | - | - | - | 143813 | 559 | 1907 | 143831 | 765 | 2610 | 143849 | 981 | 3347 | 3073305 | 1356 | 4627 |
| | 600 | 18 | - | - | - | 143814 | 670 | 2286 | 143832 | 918 | 3132 | 143850 | 1177 | 4016 | 3073306 | 1627 | 5551 |
| | 700 | 21 | - | - | - | 143815 | 782 | 2668 | 143833 | 1071 | 3654 | 143851 | 1373 | 4685 | 3073307 | 1898 | 6476 |
| | 800 | 24 | - | - | - | 143816 | 894 | 3050 | 143834 | 1224 | 4176 | 143852 | 1569 | 5353 | 3073308 | 2170 | 7404 |
| | 900 | 27 | - | - | - | 143817 | 1005 | 3429 | 143835 | 1377 | 4698 | 143853 | 1765 | 6022 | 3073309 | 2441 | 8329 |
| | 1000 | 30 | - | - | - | 143818 | 1117 | 3811 | 143836 | 1530 | 5220 | 143854 | 1961 | 6691 | 3073310 | 2712 | 9253 |
| | 1100 | 33 | - | - | - | 143819 | 1229 | 4193 | 143837 | 1683 | 5742 | 143855 | 2157 | 7360 | 3073311 | 2983 | 10178 |
| | 1200 | 36 | - | - | - | 143820 | 1340 | 4572 | 143838 | 1836 | 6264 | 143856 | 2353 | 8028 | 3073312 | 3254 | 11103 |
| | 1400 | 42 | - | - | - | 143821 | 1564 | 5336 | 143839 | 2142 | 7309 | 143857 | 2745 | 9366 | 3073314 | 3797 | 12955 |
| | 1600 | 48 | - | - | - | 143822 | 1787 | 6097 | 143840 | 2448 | 8353 | 143858 | 3138 | 10707 | 3073316 | 4339 | 14805 |
| | 1800 | 54 | - | - | - | 143823 | 2011 | 6862 | 143841 | 2754 | 9397 | 143859 | 3530 | 12044 | 3073318 | 4882 | 16657 |
| | 2000 | 60 | - | - | - | 143824 | 2234 | 7622 | 143842 | 3060 | 10441 | 143860 | 3922 | 13382 | 3073320 | 5424 | 18507 |
| | 2200 | 66 | - | - | - | 143825 | 2457 | 8383 | 143843 | 3366 | 11485 | 143861 | 4314 | 14719 | - | - | - |
| | 2400 | 72 | - | - | - | 143826 | 2681 | 9148 | 143844 | 3672 | 12529 | 143862 | 4706 | 16057 | - | - | - |
| | 2600 | 78 | - | - | - | 143827 | 2904 | 9908 | 143845 | 3978 | 13573 | 143863 | 5099 | 17398 | - | - | - |
| | 2800 | 84 | - | - | - | 143828 | 3128 | 10673 | 143846 | 4284 | 14617 | 143864 | 5491 | 18735 | - | - | - |
| | 3000 | 90 | - | - | - | 143829 | 3351 | 11434 | 143847 | 4590 | 15661 | 143865 | 5883 | 20073 | - | - | - |

**Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer).**

# Stelrad Compact Range



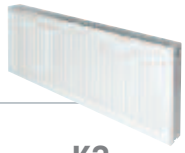
## 40 Δt (65/55/20°C)





| Height | Length mm | Sections | P1 Heat output UIN | P1 Watt | P1 Btu/hr | K1 UIN | K1 Watt | K1 Btu/hr | P+ UIN | P+ Watt | P+ Btu/hr | K2 UIN | K2 Watt | K2 Btu/hr | K3 UIN | K3 Watt | K3 Btu/hr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 300 | 500 | 15 | - | - | - | 143650 | 191 | 651 | 143656 | 279 | 952 | 143662 | 367 | 1253 | - | - | - |
| | 1000 | 30 | - | - | - | 143651 | 381 | 1299 | 143657 | 557 | 1901 | 143663 | 735 | 2506 | 3033310 | 1009 | 3443 |
| | 1500 | 45 | - | - | - | 143652 | 571 | 1950 | 143658 | 836 | 2853 | 143664 | 1102 | 3759 | - | - | - |
| | 2000 | 60 | - | - | - | 143653 | 761 | 2598 | 143659 | 1115 | 3803 | 143665 | 1469 | 5012 | 3033320 | 2018 | 6886 |
| | 2500 | 75 | - | - | - | 143654 | 952 | 3249 | 143660 | 1394 | 4755 | 143666 | 1836 | 6266 | - | - | - |
| | 3000 | 90 | - | - | - | 143655 | 1142 | 3897 | 143661 | 1672 | 5704 | 143667 | 2204 | 7519 | - | - | - |
| 450 | 400 | 12 | 143668 | 142 | 485 | 143680 | 226 | 771 | 143698 | 316 | 1077 | 143716 | 410 | 1399 | - | - | - |
| | 500 | 15 | 143669 | 177 | 605 | 143681 | 283 | 965 | 143699 | 395 | 1348 | 143717 | 513 | 1751 | - | - | - |
| | 600 | 18 | 143670 | 212 | 725 | 143682 | 340 | 1159 | 143700 | 473 | 1616 | 143718 | 616 | 2100 | - | - | - |
| | 700 | 21 | 143671 | 248 | 847 | 143683 | 396 | 1350 | 143701 | 553 | 1886 | 143719 | 718 | 2450 | - | - | - |
| | 800 | 24 | 143672 | 283 | 967 | 143684 | 453 | 1544 | 143702 | 631 | 2154 | 143720 | 821 | 2800 | - | - | - |
| | 900 | 27 | 143673 | 319 | 1090 | 143685 | 509 | 1735 | 143703 | 711 | 2425 | 143721 | 923 | 3149 | - | - | - |
| | 1000 | 30 | 143674 | 355 | 1210 | 143686 | 565 | 1929 | 143704 | 789 | 2693 | 143722 | 1026 | 3499 | - | - | - |
| | 1100 | 33 | | - | - | 143687 | 622 | 2123 | 143705 | 868 | 2963 | 143723 | 1128 | 3849 | - | - | - |
| | 1200 | 36 | 143675 | 426 | 1452 | 143688 | 678 | 2315 | 143706 | 947 | 3231 | 143724 | 1230 | 4198 | - | - | - |
| | 1400 | 42 | 143676 | 497 | 1695 | 143689 | 791 | 2700 | 143707 | 1105 | 3770 | 143725 | 1435 | 4898 | - | - | - |
| | 1600 | 48 | 143677 | 567 | 1935 | 143690 | 905 | 3088 | 143708 | 1263 | 4308 | 143726 | 1641 | 5599 | - | - | - |
| | 1800 | 54 | - | - | - | 143691 | 1018 | 3474 | 143709 | 1420 | 4847 | 143727 | 1846 | 6299 | - | - | - |
| | 2000 | 60 | - | - | - | 143692 | 1131 | 3859 | 143710 | 1578 | 5385 | 143728 | 2051 | 6998 | - | - | - |
| | 2200 | 66 | - | - | - | 143693 | 1244 | 4244 | 143711 | 1736 | 5924 | 143729 | 2256 | 7697 | - | - | - |
| | 2400 | 72 | - | - | - | 143694 | 1357 | 4630 | 143712 | 1894 | 6462 | 143730 | 2461 | 8397 | - | - | - |
| | 2600 | 78 | - | - | - | 143695 | 1471 | 5018 | 143713 | 2052 | 7001 | 143731 | 2667 | 9099 | - | - | - |
| | 2800 | 84 | - | - | - | 143696 | 1584 | 5403 | 143714 | 2210 | 7539 | 143732 | 2872 | 9798 | - | - | - |
| | 3000 | 90 | - | - | - | 143697 | 1696 | 5788 | 143715 | 2367 | 8078 | 143733 | 3077 | 10497 | - | - | - |
| 500 | 600 | 18 | - | - | - | - | - | - | - | - | - | - | - | - | 3053306 | 923 | 3149 |
| | 700 | 21 | - | - | - | - | - | - | - | - | - | - | - | - | 3053307 | 1076 | 3673 |
| | 800 | 24 | - | - | - | - | - | - | - | - | - | - | - | - | 3053308 | 1230 | 4198 |
| | 900 | 27 | - | - | - | - | - | - | - | - | - | - | - | - | 3053309 | 1384 | 4722 |
| | 1000 | 30 | - | - | - | - | - | - | - | - | - | - | - | - | 3053310 | 1538 | 5247 |
| | 1100 | 33 | - | - | - | - | - | - | - | - | - | - | - | - | 3053311 | 1692 | 5773 |
| | 1200 | 36 | - | - | - | - | - | - | - | - | - | - | - | - | 3053312 | 1845 | 6296 |
| | 1400 | 42 | - | - | - | - | - | - | - | - | - | - | - | - | 3053314 | 2153 | 7345 |
| | 1600 | 48 | - | - | - | - | - | - | - | - | - | - | - | - | 3053316 | 2461 | 8397 |
| | 1800 | 54 | - | - | - | - | - | - | - | - | - | - | - | - | 3053318 | 2768 | 9446 |
| | 2000 | 60 | - | - | - | - | - | - | - | - | - | - | - | - | 3053320 | 3076 | 10495 |
| | 2400 | 72 | - | - | - | - | - | - | - | - | - | - | - | - | 3053324 | 3691 | 12592 |
| 600 | 400 | 12 | 143734 | 186 | 633 | 143746 | 293 | 1000 | 143764 | 402 | 1373 | 143782 | 518 | 1769 | 3063304 | 715 | 2440 |
| | 500 | 15 | 143735 | 232 | 791 | 143747 | 367 | 1251 | 143765 | 503 | 1718 | 143783 | 648 | 2210 | 3063305 | 894 | 3050 |
| | 600 | 18 | 143736 | 278 | 947 | 143748 | 440 | 1501 | 143766 | 604 | 2060 | 143784 | 777 | 2652 | 3063306 | 1072 | 3657 |
| | 700 | 21 | 143737 | 324 | 1105 | 143749 | 513 | 1751 | 143767 | 705 | 2404 | 143785 | 907 | 3093 | 3063307 | 1251 | 4267 |
| | 800 | 24 | 143738 | 370 | 1263 | 143750 | 586 | 2001 | 143768 | 805 | 2746 | 143786 | 1037 | 3537 | 3063308 | 1429 | 4877 |
| | 900 | 27 | 143739 | 417 | 1422 | 143751 | 660 | 2251 | 143769 | 906 | 3091 | 143787 | 1166 | 3979 | 3063309 | 1608 | 5487 |
| | 1000 | 30 | 143740 | 463 | 1580 | 143752 | 733 | 2501 | 143770 | 1006 | 3433 | 143788 | 1296 | 4420 | 3063310 | 1787 | 6097 |
| | 1100 | 33 | - | - | - | 143753 | 806 | 2751 | 143771 | 1107 | 3777 | 143789 | 1425 | 4862 | 3063311 | 1966 | 6707 |
| | 1200 | 36 | 143741 | 556 | 1896 | 143754 | 880 | 3001 | 143772 | 1207 | 4119 | 143790 | 1554 | 5303 | 3063312 | 2145 | 7317 |
| | 1400 | 42 | 143742 | 649 | 2213 | 143755 | 1026 | 3502 | 143773 | 1408 | 4806 | 143791 | 1814 | 6189 | 3063314 | 2502 | 8537 |
| | 1600 | 48 | 143743 | 741 | 2527 | 143756 | 1173 | 4002 | 143774 | 1610 | 5492 | 143792 | 2073 | 7072 | 3063316 | 2859 | 9754 |
| | 1800 | 54 | - | - | - | 143757 | 1319 | 4502 | 143775 | 1811 | 6179 | 143793 | 2332 | 7958 | 3063318 | 3216 | 10974 |
| | 2000 | 60 | - | - | - | 143758 | 1466 | 5002 | 143776 | 2012 | 6865 | 143794 | 2591 | 8841 | 3063320 | 3574 | 12194 |
| | 2200 | 66 | - | - | - | 143759 | 1613 | 5502 | 143777 | 2213 | 7552 | 143795 | 2850 | 9724 | - | - | - |
| | 2400 | 72 | - | - | - | 143760 | 1759 | 6003 | 143778 | 2415 | 8238 | 143796 | 3109 | 10609 | 3063324 | 4289 | 14634 |
| | 2600 | 78 | - | - | - | 143761 | 1906 | 6503 | 143779 | 2616 | 8925 | 143797 | 3368 | 11492 | - | - | - |
| | 2800 | 84 | - | - | - | 143762 | 2053 | 7003 | 143780 | 2817 | 9611 | 143798 | 3628 | 12378 | - | - | - |
| | 3000 | 90 | - | - | - | 143763 | 2199 | 7503 | 143781 | 3018 | 10298 | 143799 | 3887 | 13261 | - | - | - |
| 700 | 400 | 12 | - | - | - | 143812 | 334 | 1141 | 143830 | 458 | 1562 | 143848 | 586 | 2001 | - | - | - |
| | 500 | 15 | - | - | - | 143813 | 418 | 1427 | 143831 | 572 | 1952 | 143849 | 734 | 2504 | 3073305 | 1014 | 3461 |
| | 600 | 18 | - | - | - | 143814 | 501 | 1710 | 143832 | 687 | 2343 | 143850 | 880 | 3004 | 3073306 | 1217 | 4152 |
| | 700 | 21 | - | - | - | 143815 | 585 | 1996 | 143833 | 801 | 2733 | 143851 | 1027 | 3504 | 3073307 | 1420 | 4844 |
| | 800 | 24 | - | - | - | 143816 | 669 | 2282 | 143834 | 916 | 3124 | 143852 | 1174 | 4004 | 3073308 | 1623 | 5538 |
| | 900 | 27 | - | - | - | 143817 | 752 | 2565 | 143835 | 1030 | 3514 | 143853 | 1320 | 4505 | 3073309 | 1826 | 6230 |
| | 1000 | 30 | - | - | - | 143818 | 836 | 2851 | 143836 | 1144 | 3905 | 143854 | 1467 | 5005 | 3073310 | 2029 | 6922 |
| | 1100 | 33 | - | - | - | 143819 | 919 | 3137 | 143837 | 1259 | 4295 | 143855 | 1613 | 5505 | 3073311 | 2231 | 7613 |
| | 1200 | 36 | - | - | - | 143820 | 1002 | 3420 | 143838 | 1373 | 4686 | 143856 | 1760 | 6005 | 3073312 | 2434 | 8305 |
| | 1400 | 42 | - | - | - | 143821 | 1170 | 3992 | 143839 | 1602 | 5467 | 143857 | 2053 | 7006 | 3073314 | 2840 | 9691 |
| | 1600 | 48 | - | - | - | 143822 | 1337 | 4561 | 143840 | 1831 | 6248 | 143858 | 2347 | 8009 | 3073316 | 3246 | 11074 |
| | 1800 | 54 | - | - | - | 143823 | 1504 | 5132 | 143841 | 2060 | 7029 | 143859 | 2640 | 9009 | 3073318 | 3652 | 12460 |
| | 2000 | 60 | - | - | - | 143824 | 1671 | 5702 | 143842 | 2289 | 7810 | 143860 | 2934 | 10010 | 3073320 | 4057 | 13843 |
| | 2200 | 66 | - | - | - | 143825 | 1838 | 6271 | 143843 | 2518 | 8591 | 143861 | 3227 | 11010 | - | - | - |
| | 2400 | 72 | - | - | - | 143826 | 2005 | 6842 | 143844 | 2747 | 9372 | 143862 | 3520 | 12011 | - | - | - |
| | 2600 | 78 | - | - | - | 143827 | 2172 | 7412 | 143845 | 2976 | 10153 | 143863 | 3814 | 13014 | - | - | - |
| | 2800 | 84 | - | - | - | 143828 | 2340 | 7983 | 143846 | 3204 | 10934 | 143864 | 4107 | 14014 | - | - | - |
| | 3000 | 90 | - | - | - | 143829 | 2507 | 8552 | 143847 | 3433 | 11714 | 143865 | 4400 | 15014 | - | - | - |

# Stelrad Compact Range



## 30 Δt (55/45/20°C)

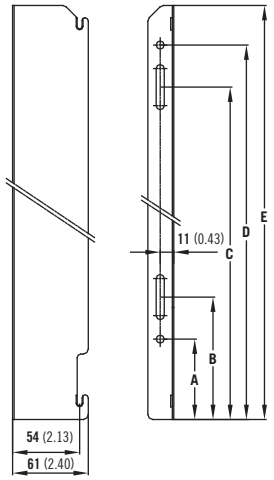
| Height | Length mm | Sections | P1 | | | K1 | | | P+ | | | K2 | | | K3 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | UIN | Heat output Watt | Heat output Btu/hr | UIN | Heat output Watt | Heat output Btu/hr | UIN | Heat output Watt | Heat output Btu/hr | UIN | Heat output Watt | Heat output Btu/hr | UIN | Heat output Watt | Heat output Btu/hr |
| 300 | 500 | 15 | - | - | - | 143650 | 131 | 448 | 143656 | 192 | 655 | 143662 | 253 | 863 | - | - | - |
| | 1000 | 30 | - | - | - | 143651 | 262 | 894 | 143657 | 384 | 1309 | 143663 | 506 | 1726 | 3033310 | 695 | 2370 |
| | 1500 | 45 | - | - | - | 143652 | 393 | 1342 | 143658 | 576 | 1965 | 143664 | 759 | 2588 | - | - | - |
| | 2000 | 60 | - | - | - | 143653 | 524 | 1789 | 143659 | 767 | 2618 | 143665 | 1011 | 3451 | 3033320 | 1389 | 4741 |
| | 2500 | 75 | - | - | - | 143654 | 656 | 2237 | 143660 | 959 | 3274 | 143666 | 1264 | 4314 | - | - | - |
| | 3000 | 90 | - | - | - | 143655 | 786 | 2683 | 143661 | 1151 | 3927 | 143667 | 1517 | 5177 | - | - | - |
| 450 | 400 | 12 | 143668 | 98 | 334 | 143680 | 156 | 531 | 143698 | 217 | 742 | 143716 | 282 | 963 | - | - | - |
| | 500 | 15 | 143669 | 122 | 416 | 143681 | 195 | 664 | 143699 | 272 | 928 | 143717 | 353 | 1205 | - | - | - |
| | 600 | 18 | 143670 | 146 | 499 | 143682 | 234 | 798 | 143700 | 326 | 1112 | 143718 | 424 | 1446 | - | - | - |
| | 700 | 21 | 143671 | 171 | 583 | 143683 | 272 | 930 | 143701 | 381 | 1299 | 143719 | 494 | 1687 | - | - | - |
| | 800 | 24 | 143672 | 195 | 666 | 143684 | 312 | 1063 | 143702 | 435 | 1483 | 143720 | 565 | 1928 | - | - | - |
| | 900 | 27 | 143673 | 220 | 750 | 143685 | 350 | 1195 | 143703 | 489 | 1669 | 143721 | 636 | 2168 | - | - | - |
| | 1000 | 30 | 143674 | 244 | 833 | 143686 | 389 | 1328 | 143704 | 543 | 1854 | 143722 | 706 | 2409 | - | - | - |
| | 1100 | 33 | | - | - | 143687 | 428 | 1462 | 143705 | 598 | 2040 | 143723 | 777 | 2650 | - | - | - |
| | 1200 | 36 | 143675 | 293 | 1000 | 143688 | 467 | 1594 | 143706 | 652 | 2225 | 143724 | 847 | 2891 | - | - | - |
| | 1400 | 42 | 143676 | 342 | 1167 | 143689 | 545 | 1859 | 143707 | 761 | 2595 | 143725 | 988 | 3372 | - | - | - |
| | 1600 | 48 | 143677 | 390 | 1332 | 143690 | 623 | 2126 | 143708 | 869 | 2966 | 143726 | 1130 | 3855 | - | - | - |
| | 1800 | 54 | - | - | - | 143691 | 701 | 2392 | 143709 | 978 | 3337 | 143727 | 1271 | 4337 | - | - | - |
| | 2000 | 60 | - | - | - | 143692 | 779 | 2657 | 143710 | 1087 | 3708 | 143728 | 1412 | 4818 | - | - | - |
| | 2200 | 66 | - | - | - | 143693 | 856 | 2922 | 143711 | 1195 | 4078 | 143729 | 1553 | 5300 | - | - | - |
| | 2400 | 72 | - | - | - | 143694 | 934 | 3188 | 143712 | 1304 | 4449 | 143730 | 1694 | 5781 | - | - | - |
| | 2600 | 78 | - | - | - | 143695 | 1012 | 3455 | 143713 | 1413 | 4820 | 143731 | 1836 | 6264 | - | - | - |
| | 2800 | 84 | - | - | - | 143696 | 1090 | 3720 | 143714 | 1521 | 5191 | 143732 | 1977 | 6746 | - | - | - |
| | 3000 | 90 | - | - | - | 143697 | 1168 | 3985 | 143715 | 1630 | 5561 | 143733 | 2118 | 7227 | - | - | - |
| 500 | 600 | 18 | - | - | - | - | - | - | - | - | - | - | - | - | 3053306 | 636 | 2168 |
| | 700 | 21 | - | - | - | - | - | - | - | - | - | - | - | - | 3053307 | 741 | 2529 |
| | 800 | 24 | - | - | - | - | - | - | - | - | - | - | - | - | 3053308 | 847 | 2891 |
| | 900 | 27 | - | - | - | - | - | - | - | - | - | - | - | - | 3053309 | 953 | 3251 |
| | 1000 | 30 | - | - | - | - | - | - | - | - | - | - | - | - | 3053310 | 1059 | 3613 |
| | 1100 | 33 | - | - | - | - | - | - | - | - | - | - | - | - | 3053311 | 1165 | 3975 |
| | 1200 | 36 | - | - | - | - | - | - | - | - | - | - | - | - | 3053312 | 1271 | 4335 |
| | 1400 | 42 | - | - | - | - | - | - | - | - | - | - | - | - | 3053314 | 1482 | 5057 |
| | 1600 | 48 | - | - | - | - | - | - | - | - | - | - | - | - | 3053316 | 1694 | 5781 |
| | 1800 | 54 | - | - | - | - | - | - | - | - | - | - | - | - | 3053318 | 1906 | 6503 |
| | 2000 | 60 | - | - | - | - | - | - | - | - | - | - | - | - | 3053320 | 2118 | 7226 |
| | 2400 | 72 | - | - | - | - | - | - | - | - | - | - | - | - | 3053324 | 2541 | 8670 |
| 600 | 400 | 12 | 143734 | 128 | 436 | 143746 | 202 | 689 | 143764 | 277 | 945 | 143782 | 357 | 1218 | 3063304 | 492 | 1680 |
| | 500 | 15 | 143735 | 160 | 545 | 143747 | 252 | 861 | 143765 | 347 | 1183 | 143783 | 446 | 1522 | 3063305 | 615 | 2100 |
| | 600 | 18 | 143736 | 191 | 652 | 143748 | 303 | 1033 | 143766 | 416 | 1418 | 143784 | 535 | 1826 | 3063306 | 738 | 2518 |
| | 700 | 21 | 143737 | 223 | 761 | 143749 | 353 | 1205 | 143767 | 485 | 1655 | 143785 | 624 | 2130 | 3063307 | 861 | 2938 |
| | 800 | 24 | 143738 | 255 | 870 | 143750 | 404 | 1378 | 143768 | 554 | 1891 | 143786 | 714 | 2435 | 3063308 | 984 | 3358 |
| | 900 | 27 | 143739 | 287 | 979 | 143751 | 454 | 1550 | 143769 | 624 | 2128 | 143787 | 803 | 2739 | 3063309 | 1107 | 3778 |
| | 1000 | 30 | 143740 | 319 | 1088 | 143752 | 505 | 1722 | 143770 | 693 | 2363 | 143788 | 892 | 3043 | 3063310 | 1230 | 4198 |
| | 1100 | 33 | | - | - | 143753 | 555 | 1894 | 143771 | 762 | 2601 | 143789 | 981 | 3347 | 3063311 | 1353 | 4618 |
| | 1200 | 36 | 143741 | 383 | 1306 | 143754 | 606 | 2066 | 143772 | 831 | 2836 | 143790 | 1070 | 3651 | 3063312 | 1477 | 5038 |
| | 1400 | 42 | 143742 | 447 | 1523 | 143755 | 707 | 2411 | 143773 | 970 | 3309 | 143791 | 1249 | 4261 | 3063314 | 1723 | 5878 |
| | 1600 | 48 | 143743 | 510 | 1740 | 143756 | 808 | 2755 | 143774 | 1108 | 3781 | 143792 | 1427 | 4869 | 3063316 | 1968 | 6716 |
| | 1800 | 54 | - | - | - | 143757 | 908 | 3100 | 143775 | 1247 | 4254 | 143793 | 1606 | 5479 | 3063318 | 2215 | 7556 |
| | 2000 | 60 | - | - | - | 143758 | 1009 | 3444 | 143776 | 1385 | 4727 | 143794 | 1784 | 6087 | 3063320 | 2461 | 8396 |
| | 2200 | 66 | - | - | - | 143759 | 1110 | 3788 | 143777 | 1524 | 5199 | 143795 | 1962 | 6695 | - | - | - |
| | 2400 | 72 | - | - | - | 143760 | 1211 | 4133 | 143778 | 1662 | 5672 | 143796 | 2141 | 7305 | 3063324 | 2953 | 10076 |
| | 2600 | 78 | - | - | - | 143761 | 1312 | 4477 | 143779 | 1801 | 6145 | 143797 | 2319 | 7913 | - | - | - |
| | 2800 | 84 | - | - | - | 143762 | 1413 | 4822 | 143780 | 1939 | 6618 | 143798 | 2498 | 8522 | - | - | - |
| | 3000 | 90 | - | - | - | 143763 | 1514 | 5166 | 143781 | 2078 | 7090 | 143799 | 2676 | 9130 | - | - | - |
| 700 | 400 | 12 | - | - | - | 143812 | 230 | 785 | 143830 | 315 | 1075 | 143848 | 404 | 1378 | - | - | - |
| | 500 | 15 | - | - | - | 143813 | 288 | 982 | 143831 | 394 | 1344 | 143849 | 505 | 1724 | 3073305 | 698 | 2383 |
| | 600 | 18 | - | - | - | 143814 | 345 | 1177 | 143832 | 473 | 1613 | 143850 | 606 | 2068 | 3073306 | 838 | 2859 |
| | 700 | 21 | - | - | - | 143815 | 403 | 1374 | 143833 | 552 | 1882 | 143851 | 707 | 2413 | 3073307 | 977 | 3335 |
| | 800 | 24 | - | - | - | 143816 | 460 | 1571 | 143834 | 630 | 2151 | 143852 | 808 | 2757 | 3073308 | 1118 | 3813 |
| | 900 | 27 | - | - | - | 143817 | 518 | 1766 | 143835 | 709 | 2420 | 143853 | 909 | 3101 | 3073309 | 1257 | 4289 |
| | 1000 | 30 | - | - | - | 143818 | 575 | 1963 | 143836 | 788 | 2688 | 143854 | 1010 | 3446 | 3073310 | 1397 | 4765 |
| | 1100 | 33 | - | - | - | 143819 | 633 | 2160 | 143837 | 867 | 2957 | 143855 | 1111 | 3790 | 3073311 | 1536 | 5242 |
| | 1200 | 36 | - | - | - | 143820 | 690 | 2355 | 143838 | 946 | 3226 | 143856 | 1212 | 4135 | 3073312 | 1676 | 5718 |
| | 1400 | 42 | - | - | - | 143821 | 805 | 2748 | 143839 | 1103 | 3764 | 143857 | 1414 | 4823 | 3073314 | 1955 | 6672 |
| | 1600 | 48 | - | - | - | 143822 | 920 | 3140 | 143840 | 1261 | 4302 | 143858 | 1616 | 5514 | 3073316 | 2235 | 7624 |
| | 1800 | 54 | - | - | - | 143823 | 1036 | 3534 | 143841 | 1418 | 4839 | 143859 | 1818 | 6203 | 3073318 | 2514 | 8579 |
| | 2000 | 60 | - | - | - | 143824 | 1151 | 3926 | 143842 | 1576 | 5377 | 143860 | 2020 | 6892 | 3073320 | 2793 | 9531 |
| | 2200 | 66 | - | - | - | 143825 | 1265 | 4317 | 143843 | 1733 | 5915 | 143861 | 2222 | 7580 | - | - | - |
| | 2400 | 72 | - | - | - | 143826 | 1381 | 4711 | 143844 | 1891 | 6452 | 143862 | 2424 | 8269 | - | - | - |
| | 2600 | 78 | - | - | - | 143827 | 1496 | 5103 | 143845 | 2049 | 6990 | 143863 | 2626 | 8960 | - | - | - |
| | 2800 | 84 | - | - | - | 143828 | 1611 | 5496 | 143846 | 2206 | 7528 | 143864 | 2828 | 9649 | - | - | - |
| | 3000 | 90 | - | - | - | 143829 | 1726 | 5888 | 143847 | 2364 | 8065 | 143865 | 3030 | 10337 | - | - | - |

## EN 442 Certification Data – CETIAT tested in accordance with BS EN 442

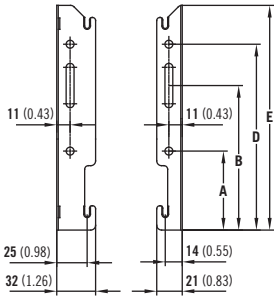
| Type | P1 | | K1 | | | | P+ | | | | K2 | | | | K3 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Height | 450 | 600 | 300 | 450 | 600 | 700 | 300 | 450 | 600 | 700 | 300 | 450 | 600 | 700 | 300 | 500 | 600 | 700 |
| W/m at 75/65/20 | 474 | 619 | 509 | 756 | 980 | 1117 | 745 | 1055 | 1345 | 1530 | 982 | 1371 | 1732 | 1961 | 1349 | 2056 | 2389 | 2712 |
| n-coefficients | 1.33 | 1.33 | 1.32 | 1.31 | 1.29 | 1.29 | 1.33 | 1.33 | 1.34 | 1.34 | 1.33 | 1.33 | 1.33 | 1.34 | 1.31 | 1.32 | 1.32 | 1.34 |
| Heated Surface Area ($m^2$/m) | 1.03 | 1.37 | 2.09 | 3.37 | 4.66 | 5.51 | 2.44 | 3.84 | 5.24 | 6.18 | 3.51 | 5.62 | 7.74 | 9.15 | 5.26 | 9.49 | 11.61 | 13.72 |
| Weight (kg/m) | 9.82 | 13.00 | 9.31 | 14.51 | 19.70 | 22.90 | 14.29 | 22.04 | 29.80 | 34.50 | 16.80 | 25.90 | 35.00 | 40.53 | 25.20 | 43.40 | 52.50 | 60.77 |
| Water Contents (l/m) | 2.57 | 3.2 | 1.89 | 2.57 | 3.25 | 3.77 | 3.70 | 5.15 | 6.60 | 7.63 | 3.70 | 5.15 | 6.60 | 7.63 | 5.40 | 8.33 | 9.80 | 11.37 |
| Wall to tap centre (mm) | 46 | 46 | 51 | 51 | 51 | 51 | 62 | 62 | 62 | 62 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 |

## Compact mounting brackets

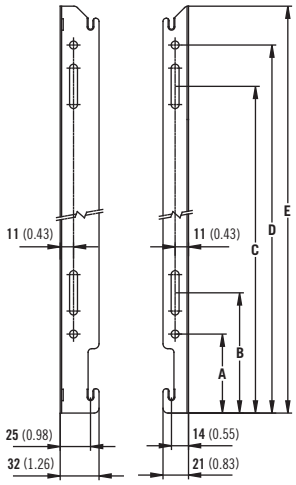
All dimension in mm. Inches in brackets. Floor mounting brackets available. See page 54.




P1




K1, P+ and K2 (300mm)

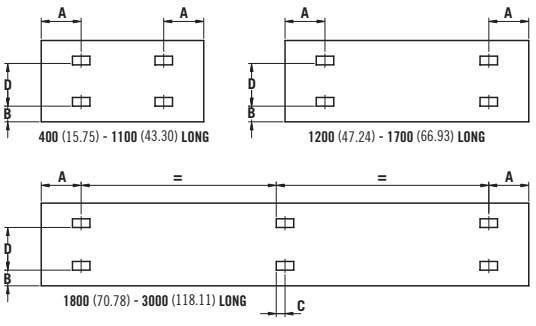



K1, P+ and K2 (Over 300mm)

| Dimensions | mm | in | mm | in | mm | in | mm | in |
|---|---|---|---|---|---|---|---|---|
| | 300 | 11.81 | 450 | 17.72 | 600 | 23.62 | 700 | 27.56 |
| A | 65 | 2.56 | 65 | 2.56 | 65 | 2.56 | 65 | 2.56 |
| B | 119 | 4.69 | 99 | 3.90 | 99 | 3.90 | 99 | 3.90 |
| C | - | - | 269 | 10.59 | 419 | 16.50 | 519 | 20.43 |
| D | 153 | 6.02 | 303 | 11.93 | 453 | 17.83 | 553 | 21.77 |
| E | 185 | 7.28 | 335 | 13.19 | 485 | 19.09 | 585 | 23.03 |

## K1, P+, K2 and P1 lug positions

All dimensions in mm. Inches in brackets.




### P1, P+ & K2

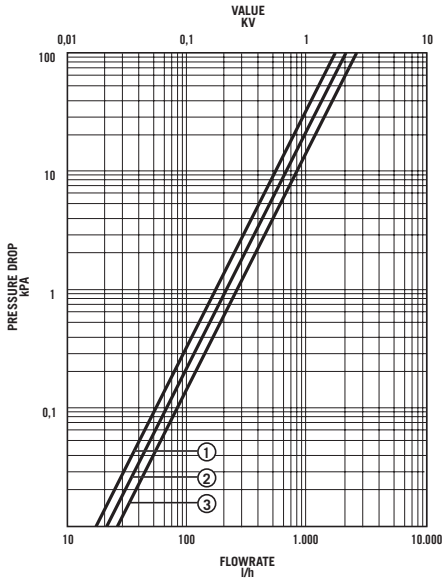
| Dimensions | mm | in |
|---|---|---|
| A | 133 | 5.24 |
| B | 60 | 2.36 |

| Panel Height | | D | |
|---|---|---|---|
| mm | in | mm | in |
| 300 | 11.81 | 155 | 6.10 |
| 450 | 17.72 | 305 | 12.01 |
| 600 | 23.62 | 455 | 17.91 |
| 700 | 27.56 | 555 | 21.95 |

### K1

| Dimensions | | mm | in |
|---|---|---|---|
| A | 400mm | 117 | 4.61 |
| A | 500 - 3000mm | 150 | 5.91 |
| B | 400 - 3000mm | 60 | 2.36 |
| C | 1800 - 3000mm | 17 | 0.67 |

## Pressure drops

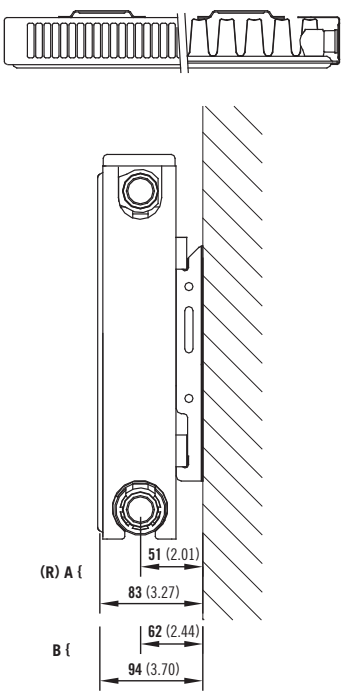



1 Type 10 (P1), 11 (K1)
2 Type 21 (P+), 22 (K2)
3 Type 33 (K3)

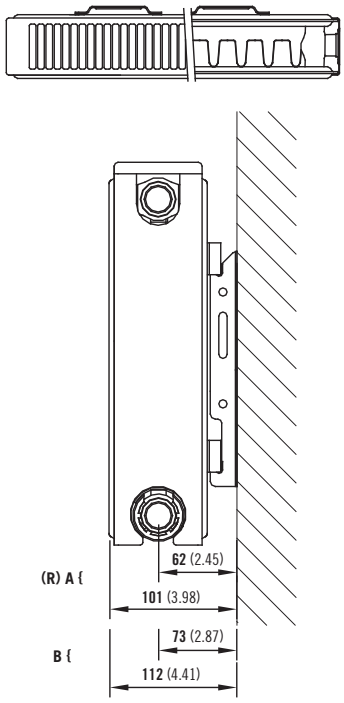
## Compact wall mounting information

All dimensions in mm. Inches in brackets.

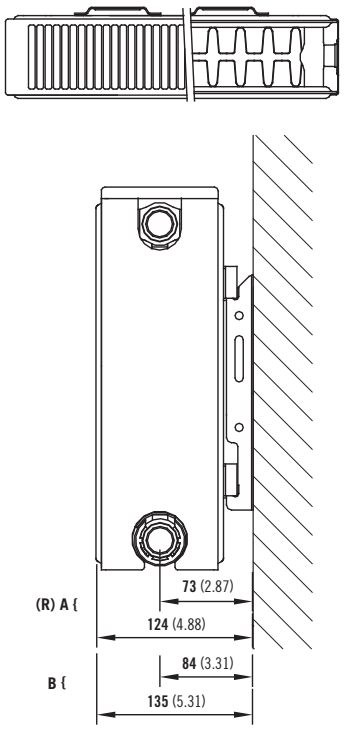
K1



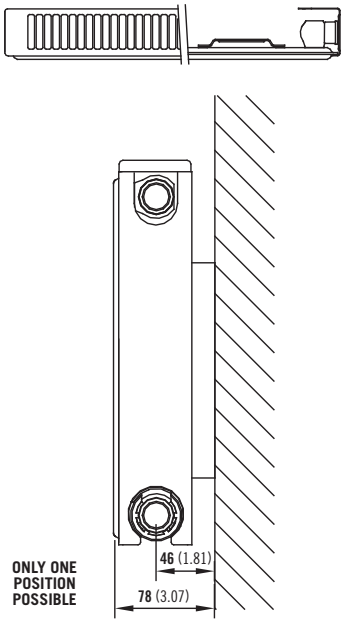

P+



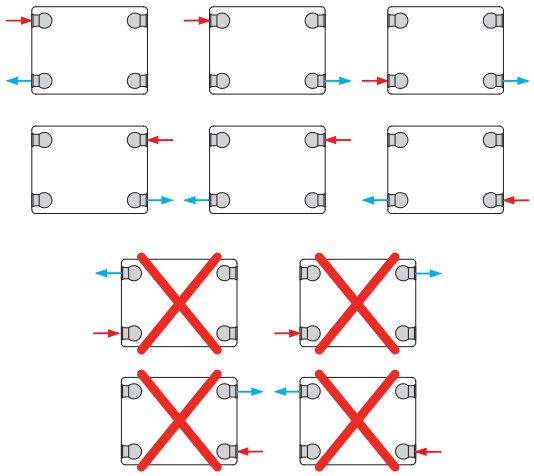

K2




P1




## Compact piping options



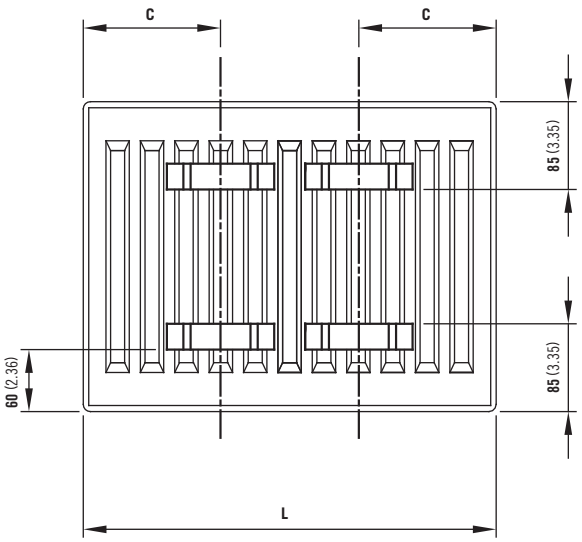
## Compact bracket position

A = Closest to Wall  B = Furthest from Wall  (R) = Recommended Mounting Position

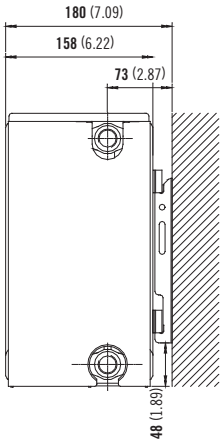
# Compact K3 wall mounting and lug information

All dimensions in mm. Inches in brackets.

Rear elevation

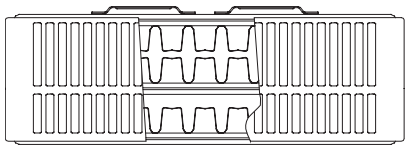



Side elevation




| L | C |
|---|---|
| 400-1100 | 133 |
| 1200-2400 | 267 |

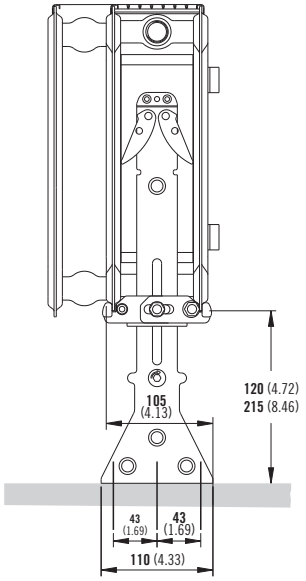
Top elevation



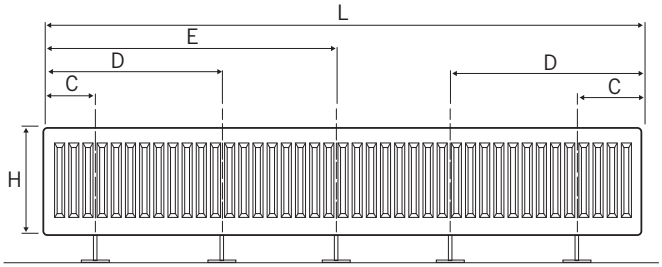
# Compact K3 floorstanding brackets

All dimensions in mm. Inches in brackets.

Floorstanding brackets.




| | L | 400 | 500 - 1100 | 1200 | 1400 - 1800 | 2000 - 3000 |
|---|---|---|---|---|---|---|
| H | Number | 2pc | | | | 3pc |
| 300 | C | 117 | 150 | 250 | 250 | 250 |
| 500 | E | - | - | - | - | L/2+17 |




| | L | 400 | 500 - 1100 | 1200 | 1400 - 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| H | Number | 2pc | | | 3pc | 4pc | | | 5pc | | |
| 600 | C | 117 | 150 | 250 | 250 | 250 | | | 250 | | |
| 700 | D | - | - | - | - | 750 | 817 | 850 | 750 | 817 | 850 |
| | E | - | - | - | 817 | - | - | - | L/2+17 | | |

# Stelrad Compact Vertex

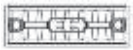
## 50 Δt (75/65/20°C)


| Height | Length | Sections | P2 Heat output | | | K2 Heat output | | |
|---|---|---|---|---|---|---|---|---|
| | | | UIN | Watts | Btu/hr | UIN | Watts | Btu/hr |
| 1800 | 400 | 12 | 148095 | 1146 | 3910 | 31182204 | 1584 | 5405 |
| | 500 | 15 | - | - | - | 31182205 | 1980 | 6756 |
| | 600 | 18 | 148103 | 1719 | 5865 | 31182206 | 2376 | 8107 |
| | 700 | 21 | 148107 | 2006 | 6844 | 31182207 | 2772 | 9458 |
| 2000 | 400 | 12 | 148096 | 1248 | 4258 | 31202204 | 1716 | 5855 |
| | 500 | 15 | - | - | - | 31202205 | 2145 | 7319 |
| | 600 | 18 | 148104 | 1872 | 6387 | 31202206 | 2574 | 8782 |
| | 700 | 21 | 148108 | 2184 | 7452 | 31202207 | 3003 | 10246 |
| 2200 | 300 | 9 | - | - | - | 31222203 | 1386 | 4729 |
| | 400 | 12 | 148097 | 1356 | 4627 | 31222204 | 1848 | 6305 |
| | 500 | 15 | - | - | - | 31222205 | 2310 | 7882 |
| | 600 | 18 | 148105 | 2034 | 6940 | 31222206 | 2772 | 9458 |
| | 700 | 21 | 148109 | 2373 | 8097 | - | - | - |

**Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer).**

## 40 Δt (65/55/20°C)


## 30 Δt (55/45/20°C)

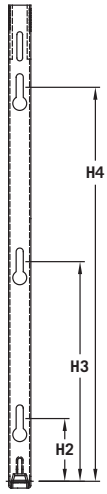
| Height | Length mm | Sections | 40 Δt P2 Heat output | | | 40 Δt K2 Heat output | | | 30 Δt P2 Heat output | | | 30 Δt K2 Heat output | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | UIN | Watts | Btu/hr | UIN | Watts | Btu/hr | UIN | Watts | Btu/hr | UIN | Watts | Btu/hr |
| 1800 | 400 | 12 | 148095 | 857 | 2925 | 31182204 | 1185 | 4043 | 148095 | 590 | 2014 | 31182204 | 816 | 2783 |
| | 500 | 15 | - | - | - | 31182205 | 1467 | 5004 | - | - | - | 31182205 | 1000 | 3412 |
| | 600 | 18 | 148103 | 1286 | 4387 | 31182206 | 1777 | 6064 | 148103 | 885 | 3020 | 31182206 | 1224 | 4175 |
| | 700 | 21 | 148107 | 1500 | 5119 | 31182207 | 2073 | 7075 | 148107 | 1033 | 3525 | 31182207 | 1428 | 4871 |
| 2000 | 400 | 12 | 148096 | 933 | 3185 | 31202204 | 1284 | 4380 | 148096 | 643 | 2193 | 31202204 | 884 | 3015 |
| | 500 | 15 | - | - | - | 31202205 | 1604 | 5474 | - | - | - | 31202205 | 1105 | 3769 |
| | 600 | 18 | 148104 | 1400 | 4777 | 31202206 | 1925 | 6569 | 148104 | 964 | 3289 | 31202206 | 1326 | 4523 |
| | 700 | 21 | 148108 | 1634 | 5574 | 31202207 | 2246 | 7664 | 148108 | 1125 | 3838 | 31202207 | 1547 | 5277 |
| 2200 | 300 | 9 | - | - | - | 31222203 | 1037 | 3537 | - | - | - | 31222203 | 714 | 2435 |
| | 400 | 12 | 148097 | 1014 | 3461 | 31222204 | 1382 | 4716 | 148097 | 698 | 2383 | 31222204 | 952 | 3247 |
| | 500 | 15 | - | - | - | 31222205 | 1728 | 5896 | - | - | - | 31222205 | 1190 | 4059 |
| | 600 | 18 | 148105 | 1521 | 5191 | 31222206 | 2073 | 7075 | 148105 | 1048 | 3574 | 31222206 | 1428 | 4871 |
| | 700 | 21 | 148109 | 1775 | 6057 | - | - | - | 148109 | 1222 | 4170 | - | - | - |

### EN 442 Certification Data – CETIAT tested in accordance with BS EN 442

| Type | P2 | | | K2 | | |
|---|---|---|---|---|---|---|
| Height | 1800 | 2000 | 2200 | 1800 | 2000 | 2200 |
| W/m at 75/65/20 | 2865 | 3120 | 3390 | 3690 | 3960 | 4230 |
| n-coefficients | 1.31 | 1.30 | 1.30 | 1.33 | 1.33 | 1.33 |
| Heated Surface Area ($m^2/m$) | 8.20 | 9.10 | 10.10 | 29.90 | 37.74 | 38.66 |
| Weight (kg/m) | 71.10 | 78.60 | 87.60 | 105.30 | 116.40 | 126.60 |
| Water Contents (l/m) | 16.20 | 18.00 | 20.10 | 15.90 | 17.70 | 20.10 |
| Wall to tap centre (mm) | 65 | 65 | 65 | 65 | 65 | 65 |

## Compact Vertex mounting brackets

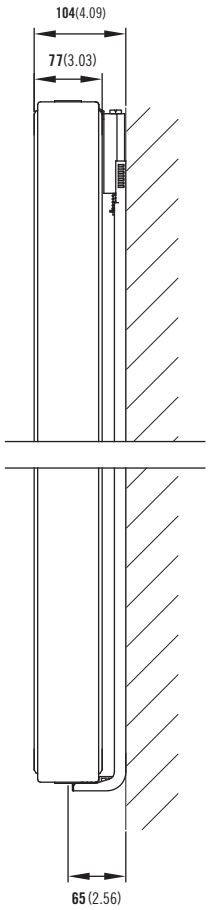
| Height | | H2 | | H3 | | H4 | |
|---|---|---|---|---|---|---|---|
| mm | in | mm | in | mm | in | mm | in |
| 1800 | 70.87 | 70 | 2.75 | 830 | 43.89 | 1590 | 63.58 |
| 2000 | 78.74 | 70 | 2.75 | 930 | 47.83 | 1790 | 71.46 |
| 2200 | 86.61 | 70 | 2.75 | 1030 | 51.77 | 1990 | 79.33 |



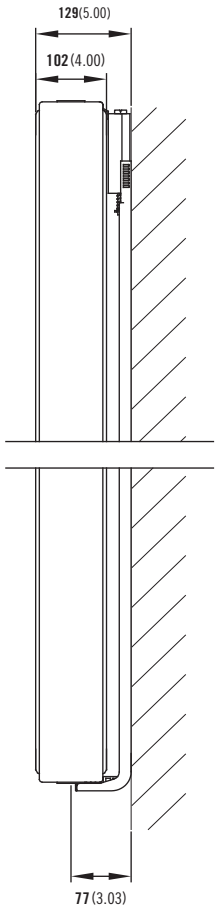

## Compact Vertex wall mounting information

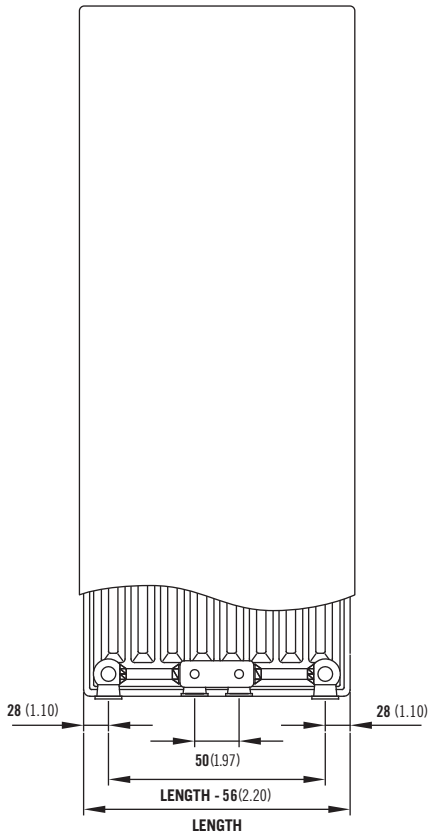
All dimensions in mm. Inches in brackets.

P2




K2




Comes complete with Stelrad's class leading safety bracket.

# STR

## 50 Δt (75/65/20°C)

| Height | Length mm | Sections | STR2 Heat output UIN | STR2 Watts | STR2 Btu/hr | STR3 Heat output UIN | STR3 Watts | STR3 Btu/hr | STR4 Heat output UIN | STR4 Watts | STR4 Btu/hr | STR6 Heat output UIN | STR6 Watts | STR6 Btu/hr | STR8 Heat output UIN | STR8 Watts | STR8 Btu/hr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 645 | 425 | 12 | 140129 | 419 | 1430 | - | - | - | - | - | - | - | - | - | - | - | - |
| | 625 | 18 | - | - | - | 140130 | 611 | 2085 | - | - | - | - | - | - | - | - | - |
| 745 | 425 | 12 | - | - | - | - | - | - | 140022 | 475 | 1621 | - | - | - | - | - | - |
| | 625 | 18 | - | - | - | - | - | - | - | - | - | 140023 | 693 | 2365 | - | - | - |
| | 825 | 24 | - | - | - | - | - | - | - | - | - | - | - | - | 140024 | 922 | 3146 |

Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer).

## 40 Δt (65/55/20°C)

| Height | Length mm | Sections | STR2 Heat output UIN | STR2 Watts | STR2 Btu/hr | STR3 Heat output UIN | STR3 Watts | STR3 Btu/hr | STR4 Heat output UIN | STR4 Watts | STR4 Btu/hr | STR6 Heat output UIN | STR6 Watts | STR6 Btu/hr | STR8 Heat output UIN | STR8 Watts | STR8 Btu/hr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 645 | 425 | 12 | 140129 | 314 | 1070 | - | - | - | - | - | - | - | - | - | - | - | - |
| | 625 | 18 | - | - | - | 140130 | 457 | 1560 | - | - | - | - | - | - | - | - | - |
| 745 | 425 | 12 | - | - | - | - | - | - | 140022 | 355 | 1213 | - | - | - | - | - | - |
| | 625 | 18 | - | - | - | - | - | - | - | - | - | 140023 | 518 | 1769 | - | - | - |
| | 825 | 24 | - | - | - | - | - | - | - | - | - | - | - | - | 140024 | 670 | 2353 |

## 30 Δt (55/45/20°C)

| Height | Length mm | Sections | STR2 Heat output UIN | STR2 Watts | STR2 Btu/hr | STR3 Heat output UIN | STR3 Watts | STR3 Btu/hr | STR4 Heat output UIN | STR4 Watts | STR4 Btu/hr | STR6 Heat output UIN | STR6 Watts | STR6 Btu/hr | STR8 Heat output UIN | STR8 Watts | STR8 Btu/hr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 645 | 425 | 12 | 140129 | 216 | 736 | - | - | - | - | - | - | - | - | - | - | - | - |
| | 625 | 18 | - | - | - | 140130 | 314 | 1074 | - | - | - | - | - | - | - | - | - |
| 745 | 425 | 12 | - | - | - | - | - | - | 140022 | 244 | 835 | - | - | - | - | - | - |
| | 625 | 18 | - | - | - | - | - | - | - | - | - | 140023 | 356 | 1217 | - | - | - |
| | 825 | 24 | - | - | - | - | - | - | - | - | - | - | - | - | 140024 | 475 | 1620 |

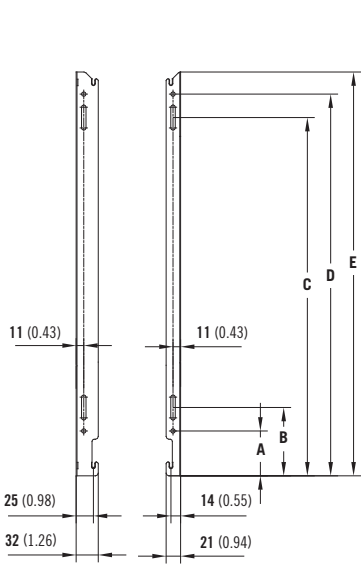
### EN 442 Certification Data – CETIAT tested in accordance with BS EN 442

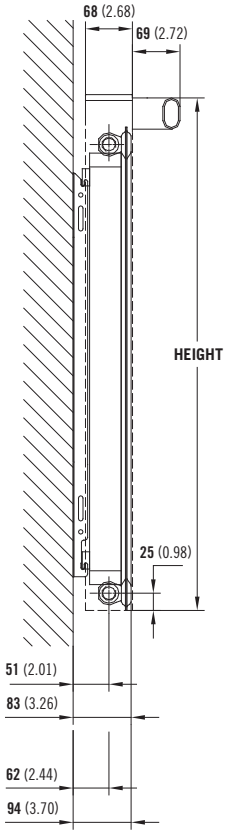
| Type | STR2 | STR3 | STR4 | STR6 | STR8 |
|---|---|---|---|---|---|
| Height | 645 | 645 | 745 | 745 | 745 |
| W/m at 75/65/20 | 419 | 611 | 475 | 693 | 922 |
| n-coefficients | 1.27 | 1.27 | 1.28 | 1.28 | 1.28 |
| Heated Surface Area ($m^2$/m) | 1.86 | 2.79 | 2.21 | 3.31 | 4.41 |
| Weight (kg/m) | 8.72 | 13.08 | 9.95 | 14.92 | 19.89 |
| Water Contents (l/m) | 1.32 | 1.98 | 1.56 | 2.34 | 3.12 |

## STR mounting brackets

All dimensions in mm. Inches in brackets.

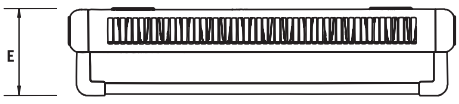
Floor mounting brackets available.
See page 42.

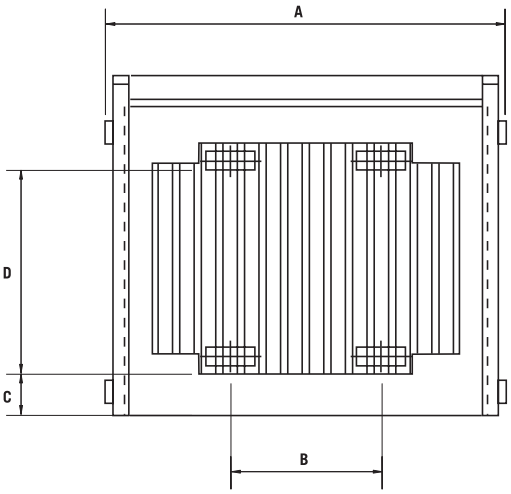



| Dimensions | mm | in | mm | in |
|---|---|---|---|---|
| | 700 | 27.56 | 600 | 23.62 |
| **A** | 65 | 2.56 | 65 | 2.56 |
| **B** | 99 | 3.90 | 99 | 3.90 |
| **C** | 519 | 20.43 | 419 | 16.50 |
| **D** | 553 | 21.77 | 453 | 17.83 |
| **E** | 585 | 23.03 | 485 | 19.09 |

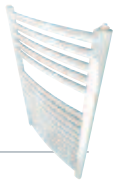
## STR wall mounting information




| | STR2 | | STR3 | | STR4 | | STR6 | | STR8 | |
|---|---|---|---|---|---|---|---|---|---|---|
| Dimensions | mm | in | mm | in | mm | in | mm | in | mm | in |
| **A** | 425 | 16.73 | 625 | 24.60 | 425 | 16.73 | 625 | 24.60 | 825 | 32.48 |
| **B** | 167 | 6.57 | 300 | 11.81 | 167 | 6.57 | 300 | 11.81 | 500 | 19.68 |
| **C** | 60 | 2.36 | 60 | 2.36 | 60 | 2.36 | 60 | 2.36 | 60 | 2.36 |
| **D** | 555 | 21.85 | 555 | 21.85 | 555 | 21.85 | 555 | 21.85 | 555 | 21.85 |
| **E** | 140 | 5.51 | 140 | 5.51 | 140 | 5.51 | 140 | 5.51 | 140 | 5.51 |

# Towel Rail



## 50 Δt (75/65/20°C)

| Height | Length mm | Straight White: Max Projection mm | UIN | Heat output Watts | Btu/hr | Straight Chrome: Max Projection mm | UIN | Heat output Watts | Btu/hr | Curved White: Max Projection mm | UIN | Heat output Watts | Btu/hr | Curved Chrome: Max Projection mm | UIN | Heat output Watts | Btu/hr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 760 | 500 | 100 | 148070 | 376 | 1283 | 100 | 147002 | 246 | 839 | 100 | 147006 | 376 | 1283 | 100 | 147012 | 246 | 839 |
| | 600 | 100 | 148071 | 445 | 1518 | 100 | 147003 | 294 | 1003 | 100 | 147007 | 445 | 1518 | 100 | 147013 | 294 | 1003 |
| 1211 | 500 | 100 | 148072 | 576 | 1965 | 100 | 147004 | 379 | 1293 | 100 | 147008 | 576 | 1965 | 100 | 147014 | 379 | 1293 |
| | 600 | 100 | 148073 | 686 | 2341 | 100 | 147005 | 453 | 1546 | 100 | 147009 | 686 | 2341 | 100 | 147015 | 453 | 1546 |
| 1744 | 500 | 100 | 148074 | 844 | 2880 | 100 | 142768 | 557 | 1900 | 100 | 147010 | 844 | 2880 | 100 | 147016 | 557 | 1900 |
| | 600 | 100 | 148075 | 1000 | 3412 | 100 | 142769 | 667 | 2276 | 100 | 147011 | 1000 | 3412 | 100 | 147017 | 667 | 2276 |

Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer).

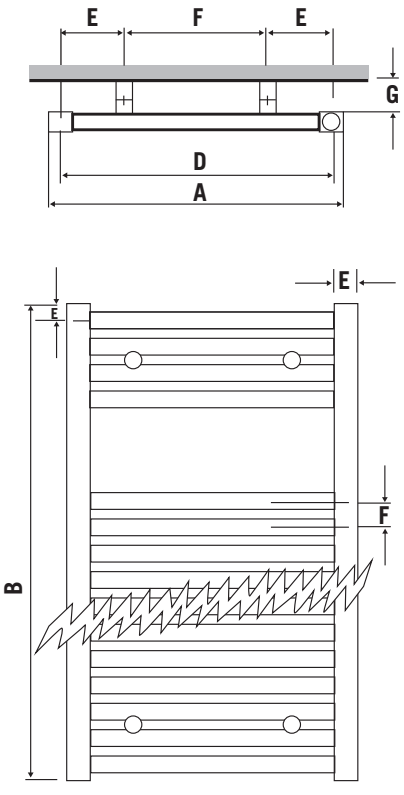
## EN 442 Certification Data - CETIAT tested in accordance with BS EN 442

| Type | Straight/Curved Chrome | | | | | | Straight/Curved White | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| No of tubes | | | | | | | | | | | | |
| Height | 760 | 760 | 1211 | 1211 | 1744 | 1744 | 760 | 760 | 1211 | 1211 | 1744 | 1744 |
| Length | 500 | 600 | 500 | 600 | 500 | 600 | 500 | 600 | 500 | 600 | 500 | 600 |
| Watts at 75/65/20 | 246 | 294 | 379 | 453 | 557 | 667 | 376 | 445 | 576 | 686 | 844 | 1000 |
| n-coefficients | 1.2545 | 1.2519 | 1.2757 | 1.2726 | 1.3015 | 1.2978 | 1.2320 | 1.2332 | 1.2528 | 1.2464 | 1.2783 | 1.2625 |
| Heated Surface Area (m²) | 0.71 | 0.83 | 1.11 | 1.30 | 1.60 | 1.88 | 0.71 | 0.83 | 1.11 | 1.30 | 1.60 | 1.88 |
| Weight (kg) | 6.12 | 7.06 | 9.63 | 11.10 | 13.86 | 15.98 | 6.12 | 7.06 | 9.63 | 11.10 | 13.86 | 15.98 |
| Water Contents (l) | 4.41 | 5.10 | 6.89 | 7.97 | 9.80 | 11.40 | 4.41 | 5.10 | 6.89 | 7.97 | 9.80 | 11.40 |
| KM (P/dTn) | 1.8179 | 2.1949 | 2.5779 | 3.1188 | 3.4249 | 4.1610 | 3.0343 | 3.5743 | 4.285 | 5.2327 | 5.6826 | 7.1623 |

| | | STRAIGHT MODELS | | | | | CURVED MODELS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Wall Mounting Positions | | | | | Wall Mounting Positions | | |
| A Width (mm) | B Height (mm) | C Depth (mm) | D Tap Centres (mm) | E (mm) | F (mm) | G (mm) | C Depth (mm) | D Tap Centres (mm) | E (mm) | F (mm) | G (mm) |
| 400 | 678 | 30 | 356 | 70 | 216 | 65-75 | | | | | |
| 500 | 760 | 30 | 456 | 70 | 316 | 65-75 | 56.0 | 456 | 110 | 236 | 40-45 |
| 600 | 760 | 30 | 556 | 70 | 416 | 65-75 | 60.0 | 556 | 110 | 336 | 40-45 |
| 500 | 1211 | 30 | 456 | 70 | 316 | 65-75 | 56.0 | 456 | 110 | 236 | 40-45 |
| 600 | 1211 | 30 | 556 | 70 | 416 | 65-75 | 60.0 | 556 | 110 | 336 | 40-45 |
| 500 | 1744 | 30 | 456 | 70 | 316 | 65-75 | 56.0 | 456 | 110 | 236 | 40-45 |
| 600 | 1744 | 30 | 556 | 70 | 416 | 65-75 | 60.0 | 556 | 110 | 336 | 40-45 |

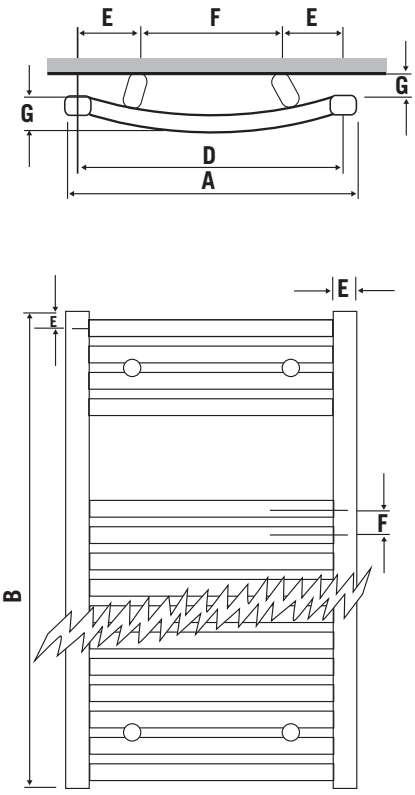
## Straight models

All dimensions in mm. Inches in brackets.

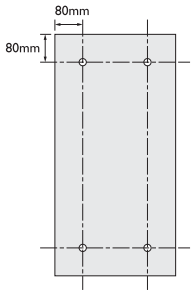



## Curved models

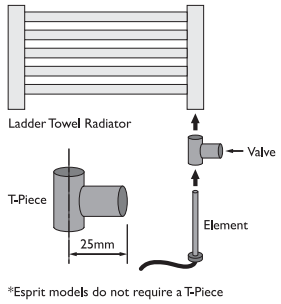
All dimensions in mm. Inches in brackets.




### Brackets positions




### Electric element option




*Esprit models do not require a T-Piece

# *Mini Towel Rail*

## 50 Δt (75/65/20°C)

**White** **Chrome**

| Height | Length mm | Max Projection mm | Heat output UIN | Heat output Watts | Heat output Btu/hr | Max Projection mm | Heat output UIN | Heat output Watts | Heat output Btu/hr |
|---|---|---|---|---|---|---|---|---|---|
| 678 | 400 | 100 | 147000 | 273 | 931 | 100 | 147001 | 175 | 597 |

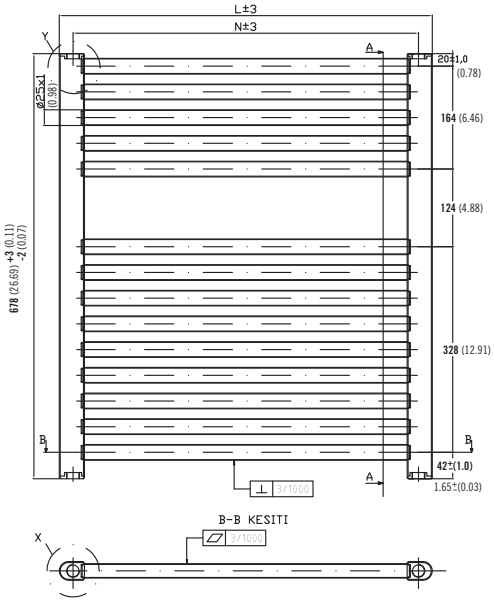
**Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer).**

### EN 442 Certification Data - CETIAT tested in accordance with BS EN 442

| Type | White | Chrome |
|---|---|---|
| No of tubes | | |
| Height | 14 | 14 |
| Length | 678 | 678 |
| Watts at 75/65/20 | 400 | 175 |
| n-coefficients | 1.2232 | 1.2535 |
| Heated Surface Area (m²) | 0.51 | 0.51 |
| Weight (kg) | 4.57 | 4.57 |
| Water Contents (l) | 3.20 | 3.20 |
| KM (P/dTn) | 2.2803 | 1.2983 |

## Mini Towel Rail

All dimensions in mm. Inches in brackets.



# Stelrad Caliente Towel Rail

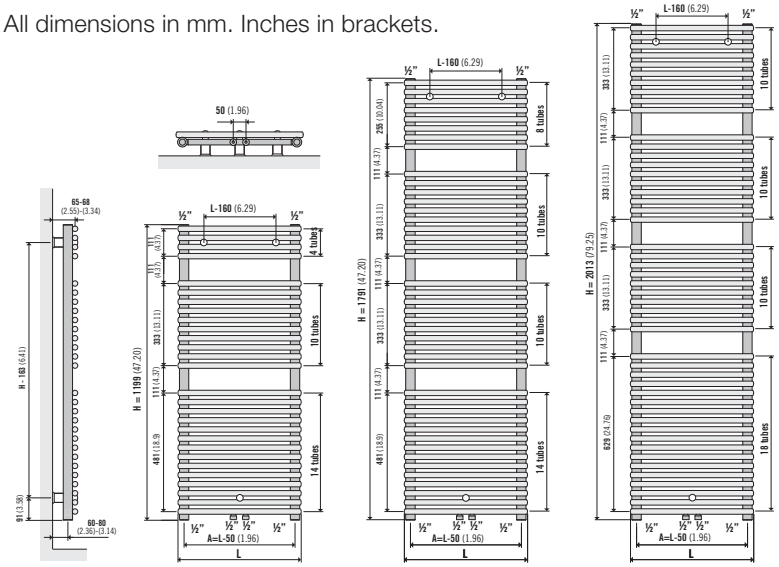
## 50Δt (75/65/20°C) Single Towel Rail Double Towel Rail

| Height | Length mm | UIN | Heat output Watts | Heat output Btu/hr | Length mm | UIN | Heat output Watts | Heat output Btu/hr |
|---|---|---|---|---|---|---|---|---|
| 755 | 450 | 407501450 | 389 | 1327 | 450 | 407502450 | 552 | 1883 |
| | 500 | 407501500 | 431 | 1471 | 500 | 407502500 | 616 | 2102 |
| | 600 | 407501600 | 517 | 1764 | 600 | 407502600 | 748 | 2552 |
| | 750 | 407501750 | 645 | 2201 | 750 | 407502750 | 947 | 3231 |
| 1199 | 450 | 401101450 | 615 | 2098 | 450 | 401102450 | 868 | 2962 |
| | 500 | 401101500 | 675 | 2303 | 500 | 401102500 | 963 | 3286 |
| | 600 | 401101600 | 794 | 2709 | 600 | 401102600 | 1154 | 3937 |
| | 750 | 401101750 | 972 | 3316 | 750 | 401102750 | 1441 | 4917 |
| 1791 | 450 | 401701450 | 900 | 3071 | 450 | 401702450 | 1268 | 4326 |
| | 500 | 401701500 | 986 | 3364 | 500 | 401702500 | 1402 | 4784 |
| | 600 | 401701600 | 1158 | 3951 | 600 | 401702600 | 1670 | 5698 |
| | 750 | 401701750 | 1416 | 4831 | 750 | 401702750 | 2073 | 7073 |
| 2013 | 450 | 402001450 | 1002 | 3419 | 450 | 402002450 | 1427 | 4869 |
| | 500 | 402001500 | 1099 | 3750 | 500 | 402002500 | 1576 | 5377 |
| | 600 | 402001600 | 1294 | 4415 | 600 | 402002600 | 1874 | 6394 |
| | 750 | 402001750 | 1586 | 5411 | 750 | 402002750 | 2321 | 7919 |

**Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer).**

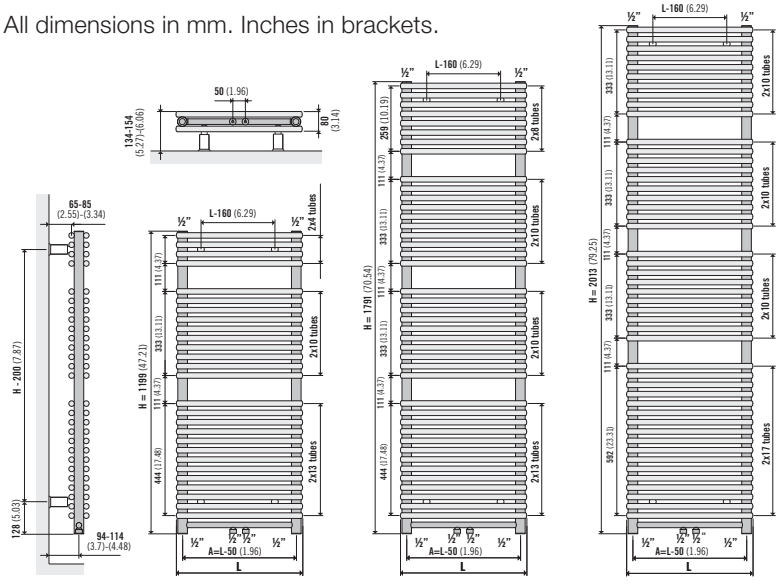
## Caliente Towel Rail Single

All dimensions in mm. Inches in brackets.

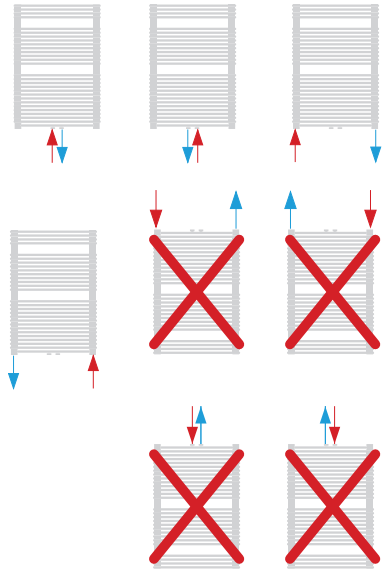



## Caliente Towel Rail Double

All dimensions in mm. Inches in brackets.




## Caliente Towel Rail piping options - Single and Double



Piping options: BBOE (Bottom, Bottom, Opposite, End)

# *New* Stelrad Curved Caliente Towel Rail

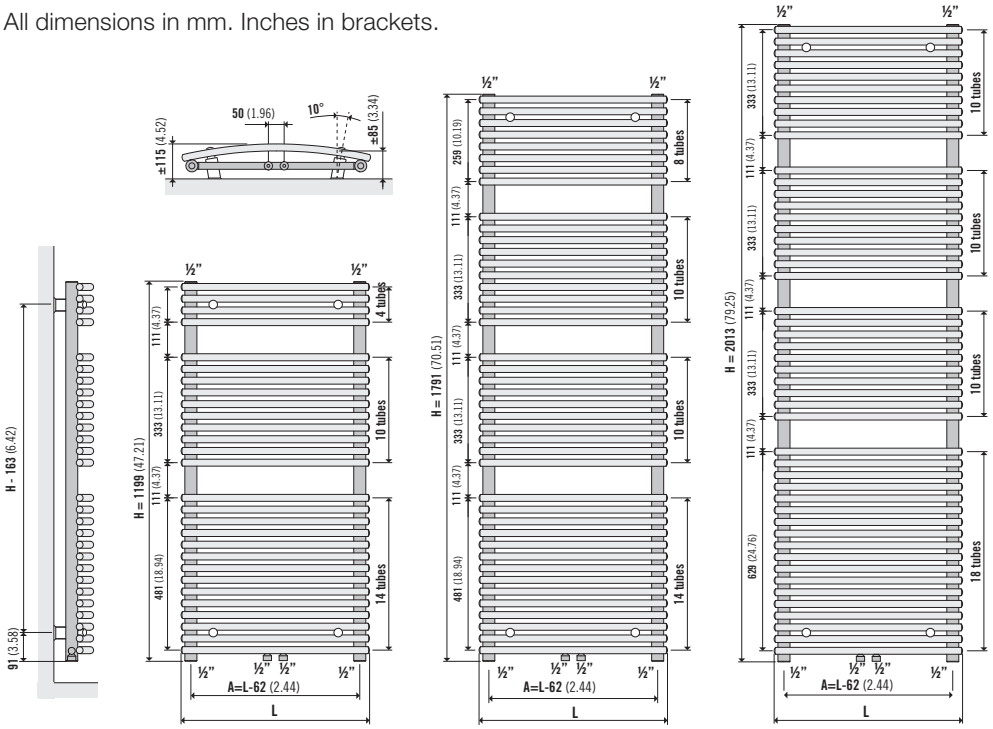
## 50Δt (75/65/20°C) Single Towel Rail

| Height | Length mm | UIN | Heat output Watts | Btu/hr |
|---|---|---|---|---|
| 1199 | 496 | 401111496 | 675 | 2303 |
| | 595 | 401111595 | 794 | 2709 |
| 1791 | 496 | 401711496 | 986 | 3364 |
| | 595 | 401711595 | 1158 | 3951 |
| 2013 | 496 | 402011496 | 1099 | 3750 |
| | 595 | 402011595 | 1294 | 4415 |

**Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer).**

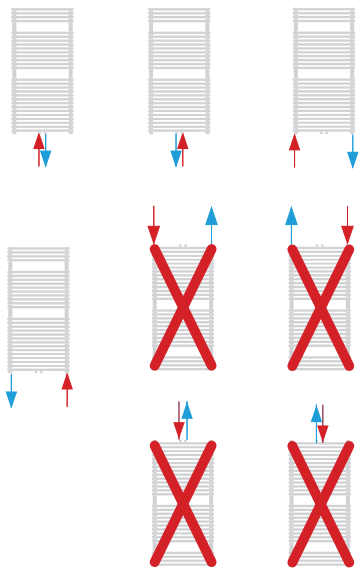
## Curved Caliente Towel Rail

All dimensions in mm. Inches in brackets.




## Curved Caliente Towel Rail piping options

Piping options: BBOE (Bottom, Bottom, Opposite, End)



# Stelrad Concord Towel Rail

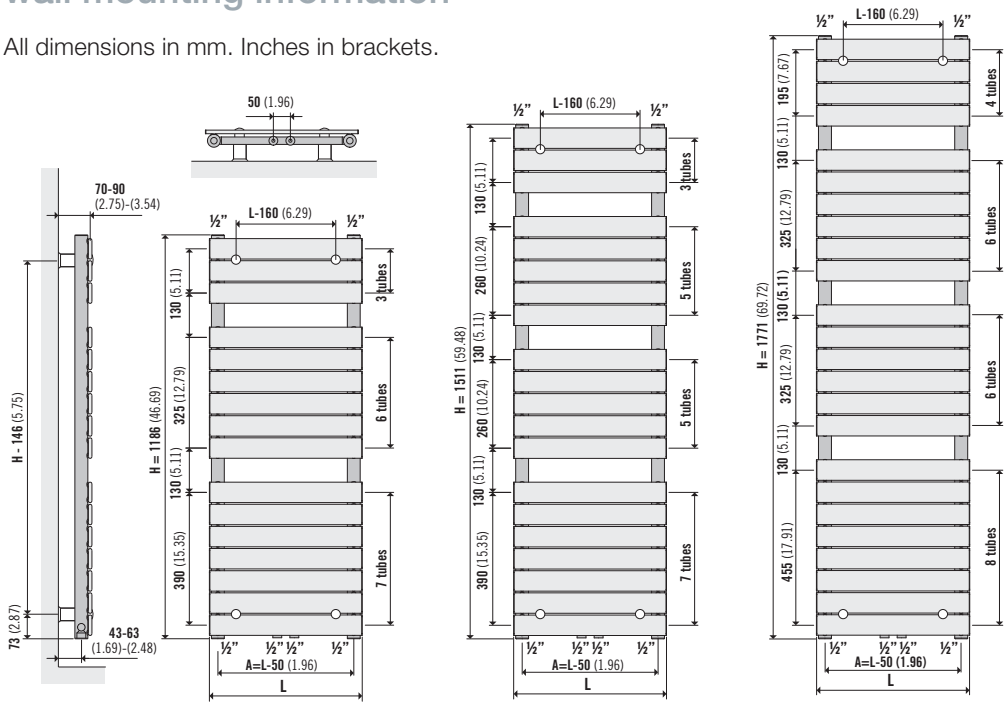
## 50Δt (75/65/20°C) Single

| Height | Length mm | Tapping centres (A) | UIN | Heat output Watts | Heat output Btu/hr |
|---|---|---|---|---|---|
| 731 | 450 | 400 | 148581 | 342 | 1167 |
| | 600 | 550 | 148582 | 447 | 1525 |
| 1186 | 450 | 400 | 148583 | 530 | 1808 |
| | 600 | 550 | 148584 | 694 | 2368 |
| 1511 | 450 | 400 | 148585 | 666 | 2272 |
| | 600 | 550 | 148586 | 869 | 2965 |
| 1771 | 450 | 400 | 148587 | 777 | 2651 |
| | 600 | 550 | 148588 | 1010 | 3446 |

**Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer).**

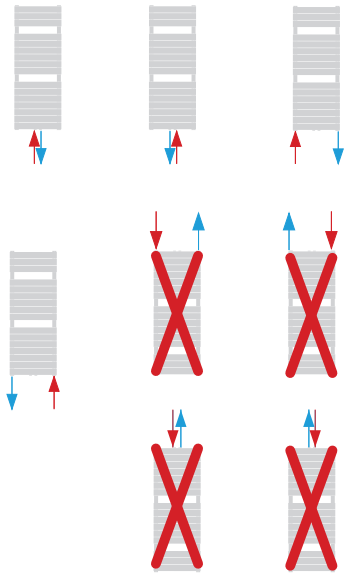
## Concord Towel Rail single wall mounting information

All dimensions in mm. Inches in brackets.




## Concord Towel Rail piping options

Piping options: BBOE (Bottom, Bottom, Opposite, End)



# Stelrad Esprit

## 50 Δt (75/65/20°C) Straight White Straight Chrome Curved White Curved Chrome

| Height | Length mm | Straight White: Max Projection mm | UIN | Heat output Watts | Heat output Btu/hr | Straight Chrome: Max Projection mm | UIN | Heat output Watts | Heat output Btu/hr | Curved White: Max Projection mm | UIN | Heat output Watts | Heat output Btu/hr | Curved Chrome: Max Projection mm | UIN | Heat output Watts | Heat output Btu/hr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 900 | 450 | 100 | 148049 | 405 | 1382 | 100 | 148053 | 316 | 1078 | - | - | - | - | - | - | - | - |
| | 550 | - | - | - | - | - | - | - | - | 75 | 148057 | 452 | 1543 | 75 | 148061 | 384 | 1311 |
| 1200 | 450 | 100 | 148050 | 554 | 1891 | 100 | 148054 | 432 | 1474 | - | - | - | - | - | - | - | - |
| | 550 | 100 | 148051 | 676 | 2307 | 100 | 148055 | 527 | 1799 | 75 | 148058 | 676 | 2307 | 75 | 148062 | 527 | 1799 |
| 1500 | 450 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 550 | - | - | - | - | - | - | - | - | 75 | 148059 | 860 | 2935 | 75 | 148063 | 671 | 2290 |
| 1800 | 450 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 550 | 100 | 148052 | 1056 | 3604 | 100 | 148056 | 824 | 2812 | 75 | 148060 | 1056 | 3604 | 75 | 148064 | 824 | 2812 |

Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer).



### Straight

### EN 442 Certification Data - CETIAT tested in accordance with BS EN 442

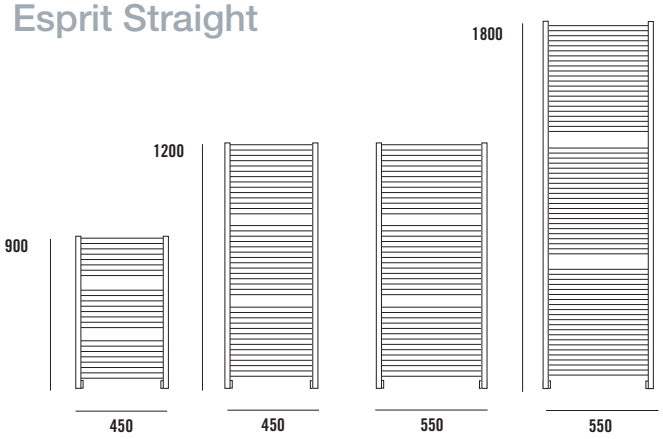
| Type | White | | | | Chrome | | | |
|---|---|---|---|---|---|---|---|---|
| Height (mm) | 900 | 1200 | 1200 | 1800 | 900 | 1200 | 1200 | 1800 |
| Width (mm) | 450 | 450 | 550 | 550 | 450 | 450 | 550 | 550 |
| Btu/h* t50 | 1382 | 1891 | 2307 | 3604 | 1078 | 1474 | 1799 | 2812 |
| Watt* t50 | 405 | 554 | 676 | 1056 | 316 | 432 | 527 | 824 |
| Wall to tap centre (mm) | 310 | 310 | 410 | 410 | 310 | 310 | 410 | 410 |
| Centres from wall (mm) | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| Max. Projection (mm) | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Weight (mm) | 6 | 8 | 9 | 14 | 6 | 8 | 9 | 14 |
| Water contents (ltrs) | 1.79 | 2.46 | 2.79 | 4.3 | 1.79 | 2.46 | 2.79 | 4.3 |
| Element watt | 350 | 650 | 650 | 900 | 350 | 350 | 350 | 900 |

### Curved

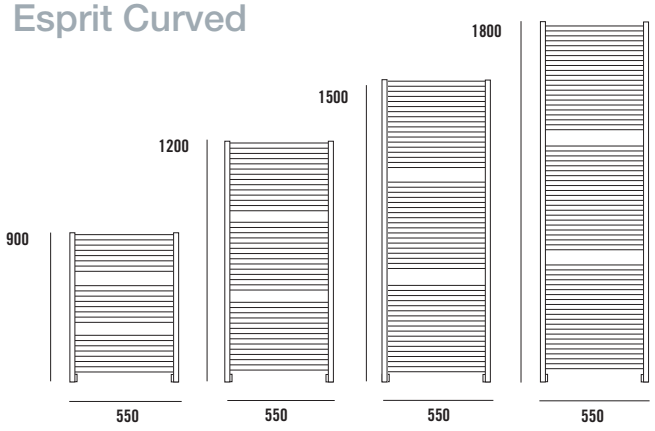
### EN 442 Certification Data - CETIAT tested in accordance with BS EN 442

| Type | White | | | | Chrome | | | |
|---|---|---|---|---|---|---|---|---|
| Height | 900 | 1200 | 1500 | 1800 | 900 | 1200 | 1500 | 1800 |
| Width (mm) | 550 | 550 | 550 | 550 | 550 | 550 | 550 | 550 |
| Btu/h* t50 | 1679 | 2307 | 2935 | 3604 | 1311 | 1799 | 2290 | 2812 |
| Watt* t50 | 492 | 676 | 860 | 1056 | 384 | 527 | 671 | 824 |
| Wall to tap centre (mm) | 410 | 410 | 410 | 410 | 410 | 410 | 410 | 410 |
| Centres from wall (mm) | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| Max. Projection (mm) | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| Weight (mm) | 6 | 9 | 11 | 14 | 6 | 9 | 11 | 14 |
| Water contents (ltrs) | 2.03 | 2.79 | 3.54 | 4.3 | 2.03 | 2.79 | 3.54 | 4.3 |
| Element watt | 350 | 650 | 900 | 900 | 350 | 350 | 650 | 900 |

## Esprit Straight

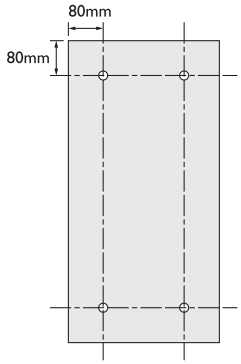



## Esprit Curved

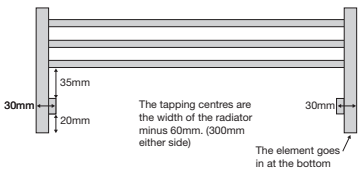



Floor mounting brackets available.
See page 42.

### Brackets positions for Straight and Curved

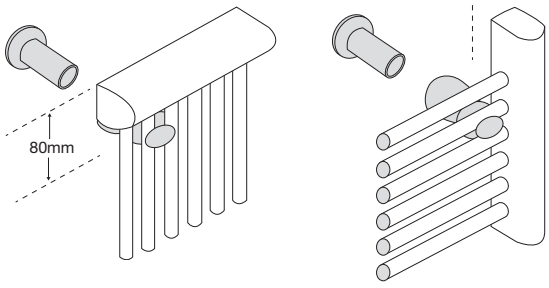



### Electric element option for Straight and Curved




### Bracket assembly for Straight and Curved

We recommend that you place the brackets between the 2nd and 3rd pipes 80mm from the radiator to the centre of the bracket.



# Stelrad Softline

## 50 Δt (75/65/20°C)



| Height | Length mm | Sections | K1 UIN | K1 Heat output Watts | K1 Heat output Btu/hr | P+ UIN | P+ Heat output Watts | P+ Heat output Btu/hr | K2 UIN | K2 Heat output Watts | K2 Heat output Btu/hr |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 300 | 500 | 15 | 80301105 | 255 | 870 | - | - | - | 80302205 | 491 | 1675 |
| | 1000 | 30 | 80301110 | 509 | 1737 | - | - | - | 80302210 | 982 | 3351 |
| | 1500 | 45 | 80301115 | 764 | 2607 | - | - | - | 80302215 | 1473 | 5026 |
| | 2000 | 60 | 80301120 | 1018 | 3473 | - | - | - | 80302220 | 1964 | 6701 |
| 450 | 400 | 12 | 80451104 | 302 | 1030 | - | - | - | 80452204 | 548 | 1870 |
| | 500 | 15 | 80451105 | 378 | 1290 | - | - | - | 80452205 | 686 | 2341 |
| | 600 | 18 | 80451106 | 454 | 1549 | - | - | - | 80452206 | 823 | 2808 |
| | 700 | 21 | 80451107 | 529 | 1805 | - | - | - | 80452207 | 960 | 3276 |
| | 800 | 24 | 80451108 | 605 | 2064 | - | - | - | 80452208 | 1097 | 3743 |
| | 900 | 27 | 80451109 | 680 | 2320 | - | - | - | 80452209 | 1234 | 4210 |
| | 1000 | 30 | 80451110 | 756 | 2579 | 80452110 | 1055 | 3600 | 80452210 | 1371 | 4678 |
| | 1100 | 33 | 80451111 | 832 | 2839 | 80452111 | 1161 | 3961 | 80452211 | 1508 | 5145 |
| | 1200 | 36 | 80451112 | 907 | 3095 | 80452112 | 1266 | 4320 | 80452212 | 1645 | 5613 |
| | 1400 | 42 | 80451114 | 1058 | 3610 | 80452114 | 1477 | 5040 | 80452214 | 1919 | 6548 |
| | 1600 | 48 | 80451116 | 1210 | 4129 | 80452116 | 1688 | 5761 | 80452216 | 2194 | 7486 |
| | 1800 | 54 | 80451118 | 1361 | 4644 | - | - | - | 80452218 | 2468 | 8421 |
| | 2000 | 60 | 80451120 | 1512 | 5159 | - | - | - | 80452220 | 2742 | 9356 |
| 600 | 400 | 12 | 80601104 | 392 | 1338 | 80602104 | 538 | 1836 | 80602204 | 693 | 2365 |
| | 500 | 15 | 80601105 | 490 | 1672 | 80602105 | 673 | 2296 | 80602205 | 866 | 2955 |
| | 600 | 18 | 80601106 | 588 | 2006 | 80602106 | 807 | 2753 | 80602206 | 1039 | 3545 |
| | 700 | 21 | 80601107 | 686 | 2341 | 80602107 | 942 | 3214 | 80602207 | 1212 | 4135 |
| | 800 | 24 | 80601108 | 784 | 2675 | 80602108 | 1076 | 3671 | 80602208 | 1386 | 4729 |
| | 900 | 27 | 80601109 | 882 | 3009 | 80602109 | 1211 | 4132 | 80602209 | 1559 | 5319 |
| | 1000 | 30 | 80601110 | 980 | 3344 | 80602110 | 1345 | 4589 | 80602210 | 1732 | 5910 |
| | 1100 | 33 | 80601111 | 1078 | 3678 | 80602111 | 1480 | 5050 | 80602211 | 1905 | 6500 |
| | 1200 | 36 | 80601112 | 1176 | 4013 | 80602112 | 1614 | 5507 | 80602212 | 2078 | 7090 |
| | 1400 | 42 | 80601114 | 1372 | 4681 | 80602114 | 1883 | 6425 | 80602214 | 2425 | 8274 |
| | 1600 | 48 | 80601116 | 1568 | 5350 | 80602116 | 2152 | 7343 | 80602216 | 2771 | 9455 |
| | 1800 | 54 | 80601118 | 1764 | 6019 | - | - | - | 80602218 | 3118 | 10639 |
| | 2000 | 60 | 80601120 | 1960 | 6688 | - | - | - | 80602220 | 3464 | 11819 |
| 700 | 400 | 12 | 80701104 | 447 | 1525 | - | - | - | 80702204 | 784 | 2675 |
| | 500 | 15 | 80701105 | 559 | 1907 | - | - | - | 80702205 | 981 | 3347 |
| | 600 | 18 | 80701106 | 670 | 2286 | - | - | - | 80702206 | 1177 | 4016 |
| | 700 | 21 | 80701107 | 782 | 2668 | - | - | - | 80702207 | 1373 | 4685 |
| | 800 | 24 | 80701108 | 894 | 3050 | - | - | - | 80702208 | 1569 | 5353 |
| | 900 | 27 | 80701109 | 1005 | 3429 | - | - | - | 80702209 | 1765 | 6022 |
| | 1000 | 30 | 80701110 | 1117 | 3811 | - | - | - | 80702210 | 1961 | 6691 |
| | 1100 | 33 | 80701111 | 1229 | 4193 | - | - | - | 80702211 | 2157 | 7360 |
| | 1200 | 36 | 80701112 | 1340 | 4572 | - | - | - | 80702212 | 2353 | 8028 |
| | 1400 | 42 | 80701114 | 1564 | 5336 | - | - | - | 80702214 | 2745 | 9366 |
| | 1600 | 48 | 80701116 | 1787 | 6097 | - | - | - | 80702216 | 3138 | 10707 |
| | 1800 | 54 | 80701118 | 2011 | 6862 | - | - | - | 80702218 | 3530 | 12044 |
| | 2000 | 60 | 80701120 | 2234 | 7622 | - | - | - | 80702220 | 3922 | 13382 |

**Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer).**

# Stelrad Softline

## 40 Δt (65/55/20°C)




| Height | Length mm | Sections | Heat output UIN | Watts | Btu/hr | Heat output UIN | Watts | Btu/hr | Heat output UIN | Watts | Btu/hr |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 300 | 500 | 15 | 80301105 | 191 | 651 | - | - | - | 80302205 | 367 | 1253 |
| | 1000 | 30 | 80301110 | 381 | 1299 | - | - | - | 80302210 | 735 | 2506 |
| | 1500 | 45 | 80301115 | 571 | 1950 | - | - | - | 80302215 | 1102 | 3759 |
| | 2000 | 60 | 80301120 | 761 | 2598 | - | - | - | 80302220 | 1469 | 5012 |
| 450 | 400 | 12 | 80451104 | 226 | 771 | - | - | - | 80452204 | 410 | 1399 |
| | 500 | 15 | 80451105 | 283 | 965 | - | - | - | 80452205 | 513 | 1751 |
| | 600 | 18 | 80451106 | 340 | 1159 | - | - | - | 80452206 | 616 | 2100 |
| | 700 | 21 | 80451107 | 396 | 1350 | - | - | - | 80452207 | 718 | 2450 |
| | 800 | 24 | 80451108 | 453 | 1544 | - | - | - | 80452208 | 821 | 2800 |
| | 900 | 27 | 80451109 | 509 | 1735 | - | - | - | 80452209 | 923 | 3149 |
| | 1000 | 30 | 80451110 | 565 | 1929 | 80452110 | 789 | 2693 | 80452210 | 1026 | 3499 |
| | 1100 | 33 | 80451111 | 622 | 2123 | 80452111 | 868 | 2963 | 80452211 | 1128 | 3849 |
| | 1200 | 36 | 80451112 | 678 | 2315 | 80452112 | 947 | 3231 | 80452212 | 1230 | 4198 |
| | 1400 | 42 | 80451114 | 791 | 2700 | 80452114 | 1105 | 3770 | 80452214 | 1435 | 4898 |
| | 1600 | 48 | 80451116 | 905 | 3088 | 80452116 | 1337 | 4561 | 80452216 | 1641 | 5599 |
| | 1800 | 54 | 80451118 | 1018 | 3474 | - | - | - | 80452218 | 1846 | 6299 |
| | 2000 | 60 | 80451120 | 1131 | 3859 | - | - | - | 80452220 | 2051 | 6998 |
| 600 | 400 | 12 | 80601104 | 293 | 1000 | 80602104 | 402 | 1373 | 80602204 | 518 | 1769 |
| | 500 | 15 | 80601105 | 367 | 1251 | 80602105 | 503 | 1718 | 80602205 | 648 | 2210 |
| | 600 | 18 | 80601106 | 440 | 1501 | 80602106 | 604 | 2060 | 80602206 | 777 | 2652 |
| | 700 | 21 | 80601107 | 513 | 1751 | 80602107 | 705 | 2404 | 80602207 | 907 | 3093 |
| | 800 | 24 | 80601108 | 586 | 2001 | 80602108 | 805 | 2746 | 80602208 | 1037 | 3537 |
| | 900 | 27 | 80601109 | 660 | 2251 | 80602109 | 906 | 3091 | 80602209 | 1166 | 3979 |
| | 1000 | 30 | 80601110 | 733 | 2501 | 80602110 | 1006 | 3433 | 80602210 | 1296 | 4420 |
| | 1100 | 33 | 80601111 | 806 | 2751 | 80602111 | 1107 | 3777 | 80602211 | 1425 | 4862 |
| | 1200 | 36 | 80601112 | 880 | 3001 | 80602112 | 1207 | 4119 | 80602212 | 1554 | 5303 |
| | 1400 | 42 | 80601114 | 1026 | 3502 | 80602114 | 1408 | 4806 | 80602214 | 1814 | 6189 |
| | 1600 | 48 | 80601116 | 1173 | 4002 | 80602116 | 1610 | 5492 | 80602216 | 2073 | 7072 |
| | 1800 | 54 | 80601118 | 1319 | 4502 | - | - | - | 80602218 | 2332 | 7958 |
| | 2000 | 60 | 80601120 | 1466 | 5002 | - | - | - | 80602220 | 2591 | 8841 |
| 700 | 400 | 12 | 80701104 | 334 | 1141 | - | - | - | 80702204 | 586 | 2001 |
| | 500 | 15 | 80701105 | 418 | 1427 | - | - | - | 80702205 | 734 | 2504 |
| | 600 | 18 | 80701106 | 501 | 1710 | - | - | - | 80702206 | 880 | 3004 |
| | 700 | 21 | 80701107 | 585 | 1996 | - | - | - | 80702207 | 1027 | 3504 |
| | 800 | 24 | 80701108 | 669 | 2282 | - | - | - | 80702208 | 1174 | 4004 |
| | 900 | 27 | 80701109 | 752 | 2565 | - | - | - | 80702209 | 1320 | 4505 |
| | 1000 | 30 | 80701110 | 836 | 2851 | - | - | - | 80702210 | 1467 | 5005 |
| | 1100 | 33 | 80701111 | 919 | 3137 | - | - | - | 80702211 | 1613 | 5505 |
| | 1200 | 36 | 80701112 | 1002 | 3420 | - | - | - | 80702212 | 1760 | 6005 |
| | 1400 | 42 | 80701114 | 1170 | 3992 | - | - | - | 80702214 | 2053 | 7006 |
| | 1600 | 48 | 80701116 | 1337 | 4561 | - | - | - | 80702216 | 2347 | 8009 |
| | 1800 | 54 | 80701118 | 1504 | 5132 | - | - | - | 80702218 | 2640 | 9009 |
| | 2000 | 60 | 80701120 | 1671 | 5702 | - | - | - | 80702220 | 2934 | 10010 |

# Stelrad Softline

## 30 Δt (55/45/20°C)





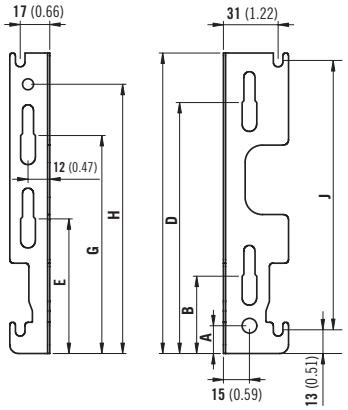

| Height | Length mm | Sections | K1 UIN | K1 Heat output Watts | K1 Heat output Btu/hr | P+ UIN | P+ Heat output Watts | P+ Heat output Btu/hr | K2 UIN | K2 Heat output Watts | K2 Heat output Btu/hr |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 300 | 500 | 15 | 80301105 | 131 | 448 | - | - | - | 80302205 | 253 | 863 |
| | 1000 | 30 | 80301110 | 262 | 894 | - | - | - | 80302210 | 506 | 1726 |
| | 1500 | 45 | 80301115 | 393 | 1342 | - | - | - | 80302215 | 759 | 2588 |
| | 2000 | 60 | 80301120 | 524 | 1789 | - | - | - | 80302220 | 1011 | 3451 |
| 450 | 400 | 12 | 80451104 | 156 | 531 | - | - | - | 80452204 | 282 | 963 |
| | 500 | 15 | 80451105 | 195 | 664 | - | - | - | 80452205 | 353 | 1205 |
| | 600 | 18 | 80451106 | 234 | 798 | - | - | - | 80452206 | 424 | 1446 |
| | 700 | 21 | 80451107 | 272 | 930 | - | - | - | 80452207 | 494 | 1687 |
| | 800 | 24 | 80451108 | 312 | 1063 | - | - | - | 80452208 | 565 | 1928 |
| | 900 | 27 | 80451109 | 350 | 1195 | - | - | - | 80452209 | 636 | 2168 |
| | 1000 | 30 | 80451110 | 389 | 1328 | 80452110 | 543 | 1854 | 80452210 | 706 | 2409 |
| | 1100 | 33 | 80451111 | 428 | 1462 | 80452111 | 598 | 2040 | 80452211 | 777 | 2650 |
| | 1200 | 36 | 80451112 | 467 | 1594 | 80452112 | 652 | 2225 | 80452212 | 847 | 2891 |
| | 1400 | 42 | 80451114 | 545 | 1859 | 80452114 | 761 | 2595 | 80452214 | 988 | 3372 |
| | 1600 | 48 | 80451116 | 623 | 2126 | 80452116 | 920 | 3140 | 80452216 | 1130 | 3855 |
| | 1800 | 54 | 80451118 | 701 | 2392 | - | - | - | 80452218 | 1271 | 4337 |
| | 2000 | 60 | 80451120 | 779 | 2657 | - | - | - | 80452220 | 1412 | 4818 |
| 600 | 400 | 12 | 80601104 | 202 | 689 | 80602104 | 277 | 945 | 80602204 | 357 | 1218 |
| | 500 | 15 | 80601105 | 252 | 861 | 80602105 | 347 | 1183 | 80602205 | 446 | 1522 |
| | 600 | 18 | 80601106 | 303 | 1033 | 80602106 | 416 | 1418 | 80602206 | 535 | 1826 |
| | 700 | 21 | 80601107 | 353 | 1205 | 80602107 | 485 | 1655 | 80602207 | 624 | 2130 |
| | 800 | 24 | 80601108 | 404 | 1378 | 80602108 | 554 | 1891 | 80602208 | 714 | 2435 |
| | 900 | 27 | 80601109 | 454 | 1550 | 80602109 | 624 | 2128 | 80602209 | 803 | 2739 |
| | 1000 | 30 | 80601110 | 505 | 1722 | 80602110 | 693 | 2363 | 80602210 | 892 | 3043 |
| | 1100 | 33 | 80601111 | 555 | 1894 | 80602111 | 762 | 2601 | 80602211 | 981 | 3347 |
| | 1200 | 36 | 80601112 | 606 | 2066 | 80602112 | 831 | 2836 | 80602212 | 1070 | 3651 |
| | 1400 | 42 | 80601114 | 707 | 2411 | 80602114 | 970 | 3309 | 80602214 | 1249 | 4261 |
| | 1600 | 48 | 80601116 | 808 | 2755 | 80602116 | 1108 | 3781 | 80602216 | 1427 | 4869 |
| | 1800 | 54 | 80601118 | 908 | 3100 | - | - | - | 80602218 | 1606 | 5479 |
| | 2000 | 60 | 80601120 | 1009 | 3444 | - | - | - | 80602220 | 1784 | 6087 |
| 700 | 400 | 12 | 80701104 | 230 | 785 | - | - | - | 80702204 | 404 | 1378 |
| | 500 | 15 | 80701105 | 288 | 982 | - | - | - | 80702205 | 505 | 1724 |
| | 600 | 18 | 80701106 | 345 | 1177 | - | - | - | 80702206 | 606 | 2068 |
| | 700 | 21 | 80701107 | 403 | 1374 | - | - | - | 80702207 | 707 | 2413 |
| | 800 | 24 | 80701108 | 460 | 1571 | - | - | - | 80702208 | 808 | 2757 |
| | 900 | 27 | 80701109 | 518 | 1766 | - | - | - | 80702209 | 909 | 3101 |
| | 1000 | 30 | 80701110 | 575 | 1963 | - | - | - | 80702210 | 1010 | 3446 |
| | 1100 | 33 | 80701111 | 633 | 2160 | - | - | - | 80702211 | 1111 | 3790 |
| | 1200 | 36 | 80701112 | 690 | 2355 | - | - | - | 80702212 | 1212 | 4135 |
| | 1400 | 42 | 80701114 | 805 | 2748 | - | - | - | 80702214 | 1414 | 4823 |
| | 1600 | 48 | 80701116 | 920 | 3140 | - | - | - | 80702216 | 1616 | 5514 |
| | 1800 | 54 | 80701118 | 1036 | 3534 | - | - | - | 80702218 | 1818 | 6203 |
| | 2000 | 60 | 80701120 | 1151 | 3926 | - | - | - | 80702220 | 2020 | 6892 |

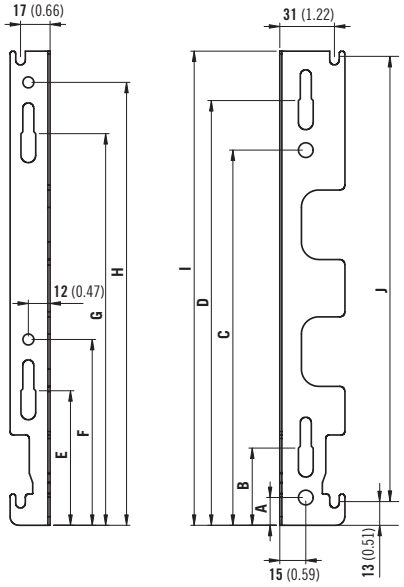
## EN 442 Certification Data – CETIAT tested in accordance with BS EN 442

| Type | K1 | | | | P+ | | K2 | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Height | 300 | 450 | 600 | 700 | 450 | 600 | 300 | 450 | 600 | 700 |
| W/m at 75/65/20 | 509 | 756 | 980 | 1117 | 1055 | 1345 | 982 | 1371 | 1732 | 1961 |
| n-coefficients | 1.32 | 1.31 | 1.29 | 1.29 | 1.33 | 1.34 | 1.33 | 1.33 | 1.33 | 1.34 |
| Heated Surface Area ($m^2/m$) | 2.09 | 3.37 | 4.66 | 5.51 | 3.84 | 5.24 | 3.51 | 5.62 | 7.74 | 9.15 |
| Weight (kg/m) | 9.31 | 14.51 | 19.70 | 22.90 | 22.04 | 29.80 | 16.80 | 25.90 | 35.00 | 40.53 |
| Water Contents (l/m) | 1.89 | 2.57 | 3.25 | 3.77 | 5.15 | 6.60 | 3.70 | 5.15 | 6.60 | 7.63 |
| Wall to tap centre (mm) | 54 | 54 | 54 | 64 | 64 | 64 | 64 | 72 | 72 | 72 |

## Softline mounting brackets

All dimensions in mm. Inches in brackets.



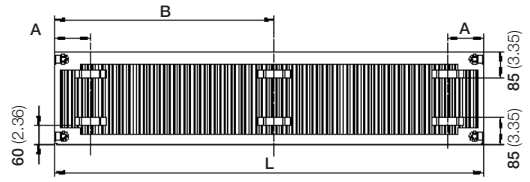

H450-600-700

| Height | mm | in | mm | in | mm | in | mm | in |
|---|---|---|---|---|---|---|---|---|
| | 300 | 11.81 | 450 | 17.72 | 600 | 23.62 | 700 | 27.56 |
| **A** | 16 | 0.63 | 16 | 0.63 | 16 | 0.63 | 16 | 0.63 |
| **B** | 44 | 1.73 | 44 | 1.73 | 44 | 1.73 | 44 | 1.73 |
| **C** | - | - | 266 | 10.47 | 416 | 16.38 | 516 | 20.31 |
| **D** | 144 | 5.67 | 294 | 11.57 | 444 | 17.48 | 544 | 21.42 |
| **E** | 77 | 3.03 | 77 | 3.03 | 77 | 3.03 | 77 | 3.03 |
| **F** | - | - | 107 | 4.21 | 107 | 4.21 | 107 | 4.21 |
| **G** | 125 | 4.92 | 275 | 10.83 | 425 | 16.73 | 525 | 20.67 |
| **H** | 155 | 6.10 | 305 | 12.01 | 455 | 17.91 | 555 | 21.85 |
| **I** | 173 | 6.81 | 323 | 12.72 | 473 | 18.62 | 573 | 22.56 |
| **J** | 155 | 6.10 | 305 | 12.01 | 455 | 17.91 | 555 | 21.85 |

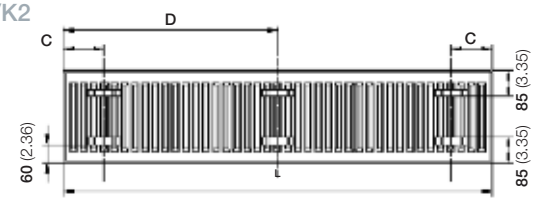
## K1, P+ and K2 lug positions

All dimensions in mm. Inches in brackets.

K1

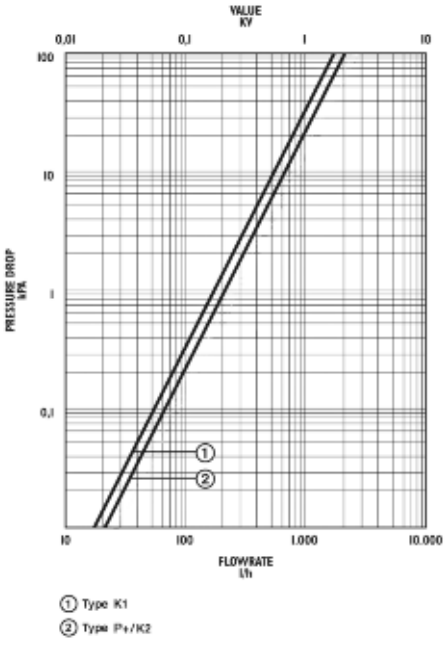



P+/K2




| | K1 | | | | TYPE P+/K2 | | | |
|---|---|---|---|---|---|---|---|---|
| L | A | | B | | C | | D | |
| | mm | in | mm | in | mm | in | mm | in |
| **400** | 117 | - | - | - | 133 | - | - | - |
| **500 - 1100** | 150 | - | - | - | 133 | - | - | - |
| **1200 - 1600** | 283 | - | - | - | 267 | - | - | - |
| **1800 - 2000** | 283 | - | (L/2) +17 | | 267 | - | (L/2) | |

## Pressure drops

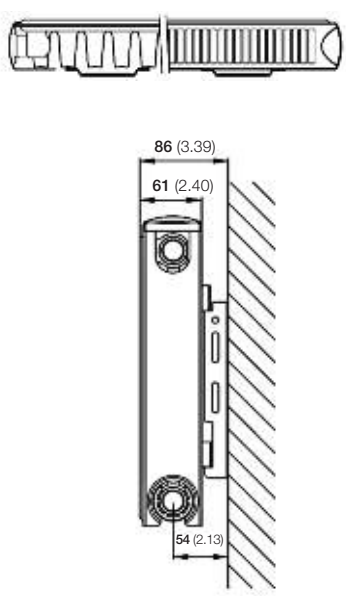


## Softline wall mounting information

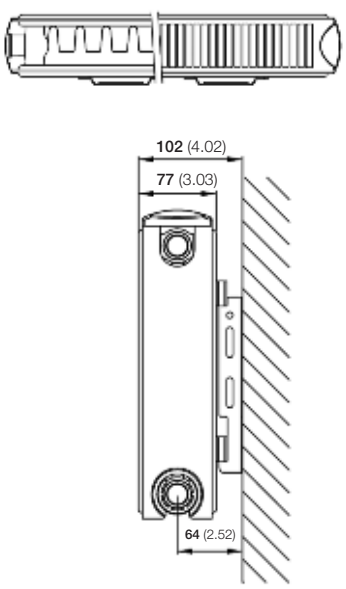
All dimensions in mm. Inches in brackets.

Floor mounting brackets available.
See page 42.

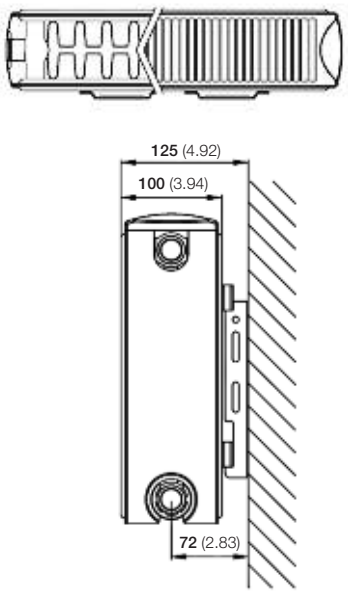
K1




P+




K2



# Designer

*Stelrad's designer ranges provide additional options to make a real style statement in any commercial or domestic environment.*

## Compact with Style Range

- Stunning looks and value, bridging the gap between standard radiators and more expensive models
- Height options from 200mm up to 2200mm and lengths from 400mm to 2000mm
- Horizontal, Vertical and Lo-Line options available to suit any space
- For colour options refer to page 146

## Planar Range

- Supplied fully assembled, and easy to install
- Every model comes with a directional air vent to direct waterflow during venting
- Choice of four heights and 74 models in the most popular sizes
- Wide range of outputs with outstanding heating performance
- For colour options refer to page 146

## Concord Range

- The Stelrad Concord incorporates flat oval precision tubes, pressure welded with a 4mm air gap to symmetric water channels. Flat oval steel tubes 70mm x 8mm. Water channel tubing 37mm x 32mm
- Concord Plane - slim flat horizontal tubes
- Concord Lo-Line - Despite having only two panels the Lo-Line offers performance which belies its size
- Concord Vertical - The same highly engineered tubes in a vertical model
- Concord Slimline - Subtle visual appeal displaying the slim form of the tubes
- All models available in a wide range of height, width and output options
- 2 x 15mm connections BOE are fitted as standard. 4 x 15mm connections available as an optional extra, prices available on request
- For colour options refer to page 147

## Classic Column Range

- At home in either traditional or modern environments
- Standard model supplied in RAL 9016, also available in a wide choice of other RAL or BS colour options to harmonise with the boldest or most neutral of decors
- 7 height options, six vertical and a choice of two, three or four columns to provide a versatile sizing flexibility ideal for use in a minimalist project, or for applications where work space is restricted
- For colour options refer to page 147

## Swing

- Stylish curved cover
- High output vertical models where space is at a premium
- Choice of 2 heights and 3 lengths
- For colour options refer to page 146

## Caliente

- Stylish tube on tube high output design
- Vertical, horizontal, single and double tube versions
- 15 models in three heights and a variety of widths
- High quality construction and paint finish rounded edges
- Available in white (RAL 9016) only

## Excel

- Floor or wall mounted
- Available in 3 sizes
- Optional outputs
- Sophisticated black as standard (RAL 9005)

## Arc & Wave

- Precision curved fine tubes
- Available in 3 sizes and 3 heat output options

## Vistaline

- Range of sizes and outputs
- Available with additional row of tubes for greater heat output
- Large range of colour options available (see page 147)

## Ellipse

- Range of sizes and outputs
- Choice of outward or inward facing columns
- Large range of colour options available (see page 147)

## Optia

- Available in 3 lengths and 3 output options
- Incorporates towel warmer
- Cold metallic grey (BR 0007)



EN EURONORM 442 CE

For further information and advice call 0844 543 6200

# Stelrad Compact with Style Range

## 50 Δt (75/65/20°C)

| Height | Length mm | Sections | K1 UIN | K1 Watts | K1 Btu/hr | K2 UIN | K2 Watts | K2 Btu/hr |
|---|---|---|---|---|---|---|---|---|
| 300 | 500 | 15 | 7431105 | 235 | 802 | 7432205 | 449 | 1532 |
| | 1000 | 30 | 7431110 | 469 | 1600 | 7432210 | 898 | 3064 |
| | 1400 | 42 | 7431114 | 658 | 2245 | 7432214 | 1257 | 4289 |
| | 2000 | 60 | 7431120 | 940 | 3207 | 7432220 | 1796 | 6128 |
| 500 | 400 | 12 | 7451104 | 298 | 1017 | 7452204 | 555 | 1894 |
| | 600 | 18 | 7451106 | 448 | 1529 | 7452206 | 833 | 2842 |
| | 800 | 24 | 7451108 | 597 | 2037 | 7452208 | 1110 | 3787 |
| | 1000 | 30 | 7451110 | 746 | 2545 | 7452210 | 1388 | 4736 |
| | 1200 | 36 | 7451112 | 895 | 3054 | 7452212 | 1666 | 5684 |
| | 1400 | 42 | 7451114 | 1044 | 3562 | 7452214 | 1943 | 6630 |
| | 1600 | 48 | 7451116 | 1194 | 4074 | 7452216 | 2221 | 7578 |
| | 1800 | 54 | 7451118 | 1343 | 4582 | 7452218 | 2498 | 8523 |
| | 2000 | 60 | 7451120 | 1492 | 5091 | 7452220 | 2776 | 9472 |
| 600 | 400 | 12 | 7461104 | 348 | 1187 | 7462204 | 640 | 2184 |
| | 600 | 18 | 7461106 | 522 | 1781 | 7462206 | 961 | 3279 |
| | 800 | 24 | 7461108 | 696 | 2375 | 7462208 | 1281 | 4371 |
| | 1000 | 30 | 7461110 | 870 | 2968 | 7462210 | 1601 | 5463 |
| | 1200 | 36 | 7461112 | 1044 | 3562 | 7462212 | 1921 | 6554 |
| | 1400 | 42 | 7461114 | 1218 | 4156 | 7462214 | 2241 | 7646 |
| | 1600 | 48 | 7461116 | 1392 | 4750 | 7462216 | 2562 | 8742 |
| | 1800 | 54 | 7461118 | 1566 | 5343 | 7462218 | 2882 | 9833 |
| | 2000 | 60 | 7461120 | 1740 | 5937 | 7462220 | 3202 | 10925 |

**Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer).**

## 40 Δt (65/55/20°C)

| Height | Length mm | Sections | K1 UIN | K1 Watts | K1 Btu/hr | K2 UIN | K2 Watts | K2 Btu/hr |
|---|---|---|---|---|---|---|---|---|
| 300 | 500 | 15 | 7431105 | 176 | 600 | 7432205 | 335 | 1148 |
| | 1000 | 30 | 7431110 | 351 | 1197 | 7432210 | 671 | 2291 |
| | 1400 | 42 | 7431114 | 491 | 1677 | 7432214 | 940 | 3208 |
| | 2000 | 60 | 7431120 | 702 | 2394 | 7432220 | 1343 | 4583 |
| 500 | 400 | 12 | 7451104 | 223 | 761 | 7452204 | 415 | 1416 |
| | 600 | 18 | 7451106 | 335 | 1143 | 7452206 | 623 | 2126 |
| | 800 | 24 | 7451108 | 447 | 1524 | 7452208 | 830 | 2833 |
| | 1000 | 30 | 7451110 | 558 | 1904 | 7452210 | 1038 | 3542 |
| | 1200 | 36 | 7451112 | 669 | 2284 | 7452212 | 1246 | 4252 |
| | 1400 | 42 | 7451114 | 781 | 2664 | 7452214 | 1453 | 4959 |
| | 1600 | 48 | 7451116 | 893 | 3047 | 7452216 | 1661 | 5668 |
| | 1800 | 54 | 7451118 | 1005 | 3428 | 7452218 | 1869 | 6375 |
| | 2000 | 60 | 7451120 | 1116 | 3808 | 7452220 | 2076 | 7085 |
| 600 | 400 | 12 | 7461104 | 260 | 888 | 7462204 | 479 | 1633 |
| | 600 | 18 | 7461106 | 390 | 1332 | 7462206 | 719 | 2453 |
| | 800 | 24 | 7461108 | 521 | 1776 | 7462208 | 958 | 3269 |
| | 1000 | 30 | 7461110 | 651 | 2220 | 7462210 | 1198 | 4086 |
| | 1200 | 36 | 7461112 | 781 | 2664 | 7462212 | 1437 | 4903 |
| | 1400 | 42 | 7461114 | 911 | 3109 | 7462214 | 1676 | 5719 |
| | 1600 | 48 | 7461116 | 1041 | 3553 | 7462216 | 1916 | 6539 |
| | 1800 | 54 | 7461118 | 1171 | 3997 | 7462218 | 2156 | 7355 |
| | 2000 | 60 | 7461120 | 1302 | 4441 | 7462220 | 2395 | 8172 |

# Stelrad Compact with Style Range

## 30 Δt (55/45/20°C)

| Height | Length mm | Sections | K1 Heat output UIN | K1 Watts | K1 Btu/hr | K2 Heat output UIN | K2 Watts | K2 Btu/hr |
|---|---|---|---|---|---|---|---|---|
| 300 | 500 | 15 | 7431105 | 121 | 413 | 7432205 | 231 | 788 |
| | 1000 | 30 | 7431110 | 242 | 824 | 7432210 | 462 | 1577 |
| | 1400 | 42 | 7431114 | 338 | 1154 | 7432214 | 647 | 2208 |
| | 2000 | 60 | 7431120 | 483 | 1648 | 7432220 | 924 | 3155 |
| 500 | 400 | 12 | 7451104 | 153 | 524 | 7452204 | 286 | 975 |
| | 600 | 18 | 7451106 | 231 | 787 | 7452206 | 429 | 1464 |
| | 800 | 24 | 7451108 | 307 | 1049 | 7452208 | 572 | 1950 |
| | 1000 | 30 | 7451110 | 384 | 1311 | 7452210 | 715 | 2439 |
| | 1200 | 36 | 7451112 | 461 | 1573 | 7452212 | 858 | 2927 |
| | 1400 | 42 | 7451114 | 538 | 1834 | 7452214 | 1001 | 3414 |
| | 1600 | 48 | 7451116 | 615 | 2098 | 7452216 | 1144 | 3903 |
| | 1800 | 54 | 7451118 | 692 | 2360 | 7452218 | 1286 | 4389 |
| | 2000 | 60 | 7451120 | 768 | 2622 | 7452220 | 1430 | 4878 |
| 600 | 400 | 12 | 7461104 | 179 | 611 | 7462204 | 330 | 1125 |
| | 600 | 18 | 7461106 | 269 | 917 | 7462206 | 495 | 1689 |
| | 800 | 24 | 7461108 | 358 | 1223 | 7462208 | 660 | 2251 |
| | 1000 | 30 | 7461110 | 448 | 1529 | 7462210 | 825 | 2813 |
| | 1200 | 36 | 7461112 | 538 | 1834 | 7462212 | 989 | 3376 |
| | 1400 | 42 | 7461114 | 627 | 2140 | 7462214 | 1154 | 3938 |
| | 1600 | 48 | 7461116 | 717 | 2446 | 7462216 | 1319 | 4502 |
| | 1800 | 54 | 7461118 | 806 | 2752 | 7462218 | 1484 | 5064 |
| | 2000 | 60 | 7461120 | 896 | 3057 | 7462220 | 1649 | 5626 |

### EN 442 Certification Data – CETIAT tested in accordance with BS EN 442

| Type | K1 | | | P+ | K2 | | | |
|---|---|---|---|---|---|---|---|---|
| Height | 300 | 500 | 600 | 200 | 200 | 300 | 500 | 600 |
| W/m at 75/65/20 | 470 | 746 | 870 | 483 | 614 | 898 | 1388 | 1601 |
| n-coefficients | 1.26 | 1.28 | 1.28 | 1.31 | 1.29 | 1.30 | 1.31 | 1.31 |
| Heated Surface Area ($m^2/m$) | 2.09 | 3.80 | 4.66 | 1.51 | 2.10 | 3.51 | 6.33 | 7.74 |
| Weight (kg/m) | 14.13 | 20.23 | 24.27 | 12.14 | 13.15 | 19.30 | 32.03 | 38.40 |
| Water Contents (l/m) | 1.81 | 2.77 | 3.23 | 2.64 | 2.70 | 3.10 | 5.17 | 6.20 |
| Wall to tap centre (mm) | 54 | 54 | 54 | - | - | - | - | - |
| Floor standing | - | - | - | 76 | 76 | 76 | 76 | 76 |



# Stelrad Compact with Style Lo-Line

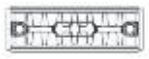
| Height | Length mm | Sections | K1 Heat output UIN | K1 Watts | K1 Btu/hr | K2 Heat output UIN | K2 Watts | K2 Btu/hr |
|---|---|---|---|---|---|---|---|---|
| 50 Δt (75/65/20°C) | 500 | 15 | - | - | - | 7422205 | 307 | 1047 |
| | 1000 | 30 | - | - | - | 7422210 | 614 | 2095 |
| | 1400 | 42 | - | - | - | 7422214 | 860 | 2934 |
| | 2000 | 60 | - | - | - | 7422220 | 1228 | 4190 |

**Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer).**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 40 Δt (65/55/20°C) | 500 | 15 | - | - | - | 7422205 | 230 | 784 |
| | 1000 | 30 | - | - | - | 7422210 | 459 | 1567 |
| | 1400 | 42 | - | - | - | 7422214 | 643 | 2195 |
| | 2000 | 60 | - | - | - | 7422220 | 919 | 3134 |
| 30 Δt (55/45/20°C) | 500 | 15 | - | - | - | 7422205 | 158 | 539 |
| | 1000 | 30 | - | - | - | 7422210 | 316 | 1079 |
| | 1400 | 42 | - | - | - | 7422214 | 443 | 1511 |
| | 2000 | 60 | - | - | - | 7422220 | 632 | 2158 |

# Stelrad Compact with Style Vertical

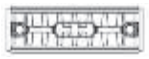
## 50 Δt (75/65/20°C)

| Height | Length mm | Sections | P2 Heat output UIN | P2 Watts | P2 Btu/hr | K2 Heat output UIN | K2 Watts | K2 Btu/hr |
|---|---|---|---|---|---|---|---|---|
| 1600 | 300 | 9 | 148140 | 693 | 2365 | - | - | - |
| | 500 | 15 | 148148 | 1155 | 3941 | - | - | - |
| | 600 | 18 | 148152 | 1386 | 4729 | - | - | - |
| 1800 | 300 | 9 | 148141 | 760 | 2593 | - | - | - |
| | 400 | 12 | - | - | - | 32182204 | 1476 | 5036 |
| | 500 | 15 | 148149 | 1266 | 4320 | 32182205 | 1845 | 6295 |
| | 600 | 18 | 148153 | 1519 | 5183 | 32182206 | 2214 | 7554 |
| | 700 | 21 | - | - | - | 32182207 | 2583 | 8813 |
| 2000 | 300 | 9 | 148142 | 824 | 2811 | - | - | - |
| | 400 | 12 | - | - | - | 32202204 | 1588 | 5405 |
| | 500 | 15 | 148150 | 1374 | 4688 | 32202205 | 1980 | 6756 |
| | 600 | 18 | 148154 | 1649 | 5626 | 32202206 | 2376 | 8107 |
| | 700 | 21 | - | - | - | 32202207 | 2772 | 9458 |
| 2200 | 300 | 9 | 148143 | 887 | 3026 | 32222203 | 1269 | 4330 |
| | 400 | 12 | - | - | - | 32222204 | 1692 | 5773 |
| | 500 | 15 | 148151 | 1479 | 5046 | 32222205 | 2115 | 7216 |
| | 600 | 18 | 148155 | 1775 | 6056 | 32222206 | 2538 | 8660 |

**Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer).**

## 40 Δt (65/55/20°C)

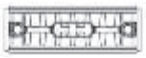



| Height | Length mm | Sections | P2 Heat output UIN | P2 Watts | P2 Btu/hr | K2 Heat output UIN | K2 Watts | K2 Btu/hr |
|---|---|---|---|---|---|---|---|---|
| 1600 | 300 | 9 | 148140 | 518 | 1769 | - | - | - |
| | 500 | 15 | 148148 | 863 | 2947 | - | - | - |
| | 600 | 18 | 148152 | 1036 | 3537 | - | - | - |
| 1800 | 300 | 9 | 148141 | 568 | 1940 | - | - | - |
| | 400 | 12 | - | - | - | 32182204 | 1104 | 3767 |
| | 500 | 15 | 148149 | 947 | 3231 | 32182205 | 1380 | 4709 |
| | 600 | 18 | 148153 | 1136 | 3877 | 32182206 | 1656 | 5651 |
| | 700 | 21 | - | - | - | 32182207 | 1932 | 6592 |
| 2000 | 300 | 9 | 148142 | 616 | 2103 | - | - | - |
| | 400 | 12 | - | - | - | 32202204 | 1188 | 4043 |
| | 500 | 15 | 148150 | 1028 | 3507 | 32202205 | 1481 | 5053 |
| | 600 | 18 | 148154 | 1233 | 4210 | 32202206 | 1777 | 6064 |
| | 700 | 21 | - | - | - | 32202207 | 2073 | 7075 |
| 2200 | 300 | 9 | 148143 | 663 | 2263 | 32222203 | 949 | 3239 |
| | 400 | 12 | - | - | - | 32222204 | 1266 | 4318 |
| | 500 | 15 | 148151 | 1106 | 3774 | 32222205 | 1582 | 5398 |
| | 600 | 18 | 148155 | 1328 | 4530 | 32222206 | 1898 | 6477 |

# Stelrad Compact with Style Vertical

## 30 Δt (55/45/20°C)

P2 

K2 

| Height | Length mm | Sections | Heat output UIN | Watts | Btu/hr | Heat output UIN | Watts | Btu/hr |
|---|---|---|---|---|---|---|---|---|
| 1600 | 300 | 9 | 148140 | 356 | 1217 | - | - | - |
| | 500 | 15 | 148148 | 594 | 2029 | - | - | - |
| | 600 | 18 | 148152 | 713 | 2435 | - | - | - |
| 1800 | 300 | 9 | 148141 | 391 | 1335 | - | - | - |
| | 400 | 12 | - | - | - | 32182204 | 760 | 2594 |
| | 500 | 15 | 148149 | 652 | 2225 | 32182205 | 950 | 3242 |
| | 600 | 18 | 148153 | 782 | 2669 | 32182206 | 1140 | 3890 |
| | 700 | 21 | - | - | - | 32182207 | 1330 | 4539 |
| 2000 | 300 | 9 | 148142 | 424 | 1448 | - | - | - |
| | 400 | 12 | - | - | - | 32202204 | 818 | 2784 |
| | 500 | 15 | 148150 | 708 | 2414 | 32202205 | 1020 | 3479 |
| | 600 | 18 | 148154 | 849 | 2897 | 32202206 | 1224 | 4175 |
| | 700 | 21 | - | - | - | 32202207 | 1428 | 4871 |
| 2200 | 300 | 9 | 148143 | 457 | 1558 | 32222203 | 654 | 2230 |
| | 400 | 12 | - | - | - | 32222204 | 871 | 2973 |
| | 500 | 15 | 148151 | 762 | 2599 | 32222205 | 1089 | 3716 |
| | 600 | 18 | 148155 | 914 | 3119 | 32222206 | 1307 | 4460 |

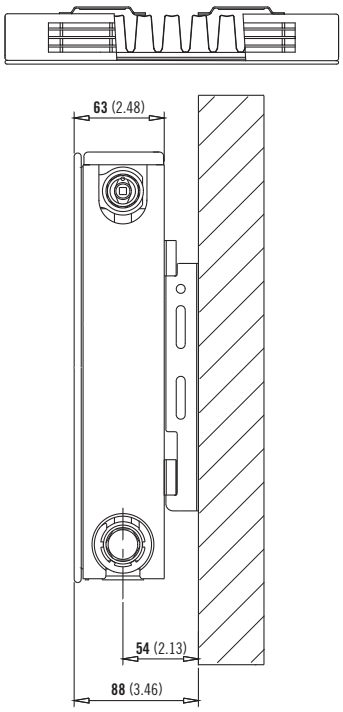
## EN 442 Certification Data – CETIAT tested in accordance with BS EN 442

| Type | P2 | | | | K2 | | | |
|---|---|---|---|---|---|---|---|---|
| Height | 1600 | 1800 | 2000 | 2200 | 1600 | 1800 | 2000 | 2200 |
| W/m at 75/65/20 | 2310 | 2532 | 2748 | 2958 | 3420 | 3690 | 3960 | 4230 |
| n-coefficients | 1.27 | 1.27 | 1.27 | 1.27 | 1.32 | 1.32 | 1.33 | 1.33 |
| Heated Surface Area ($m^2$/m) | 7.33 | 8.25 | 9.17 | 10.09 | 28.99 | 29.90 | 37.74 | 38.66 |
| Weight (kg/m) | 77.70 | 86.70 | 95.40 | 105.60 | 94.20 | 105.30 | 116.40 | 126.60 |
| Water Contents (l/m) | 14.10 | 16.20 | 18.30 | 20.10 | 14.10 | 15.90 | 17.70 | 20.10 |
| Wall to tap centre (mm) | 65 | 65 | 65 | 65 | 77 | 77 | 77 | 77 |

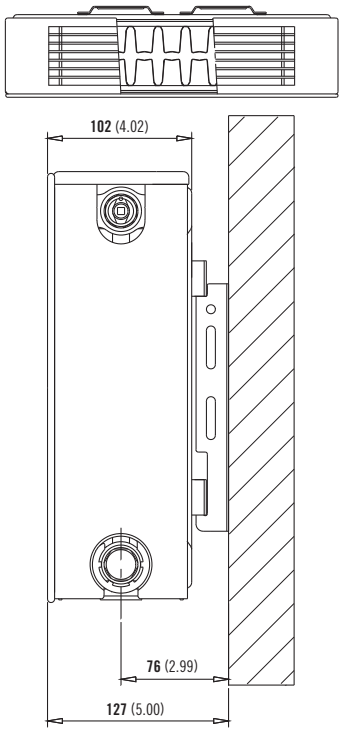
# Compact with Style 300mm, 500mm & 600mm wall mounting information

All dimensions in mm. Inches in brackets. Floor mounting brackets available. See page 42.

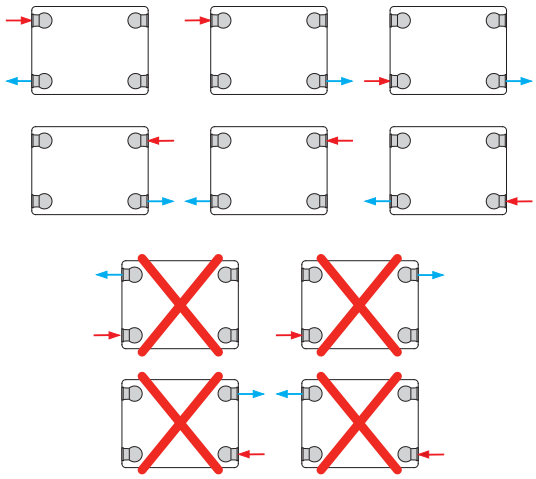
K1




K2

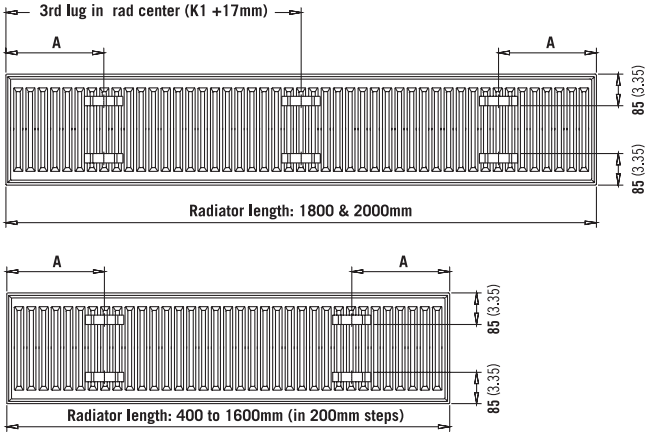



## Compact with Style piping options



## K1 and K2 lug positions

All dimensions in mm. Inches in brackets.

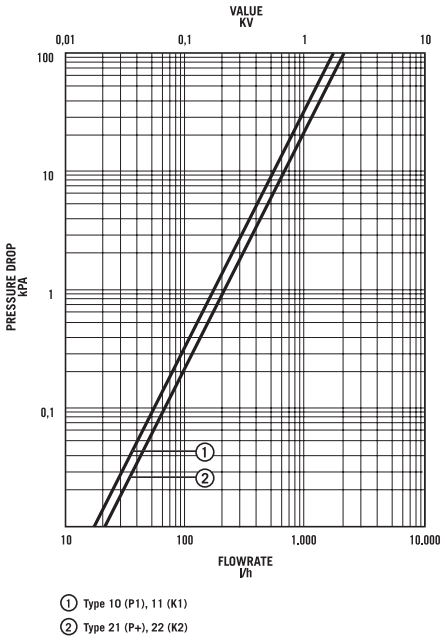



## A

| Length | K1 mm | K1 in | K2 mm | K2 in |
|---|---|---|---|---|
| 400mm | 117 | 4.61 | 133 | 5.24 |
| 500 - 1000mm | 150 | 5.91 | 133 | 5.24 |
| 1200 - 16000mm | 283 | 11.14 | 267 | 10.51 |
| 1800 - 2000mm | 3rd lug in rad. centre* | | | |

*K1 + 17mm

## Pressure drops

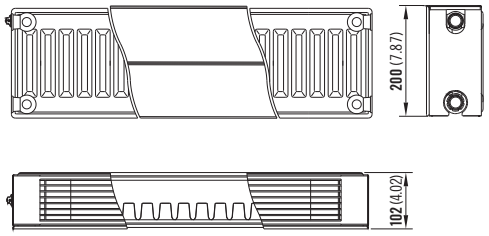



1 Type 10 (P1), 11 (K1)
2 Type 21 (P+), 22 (K2)

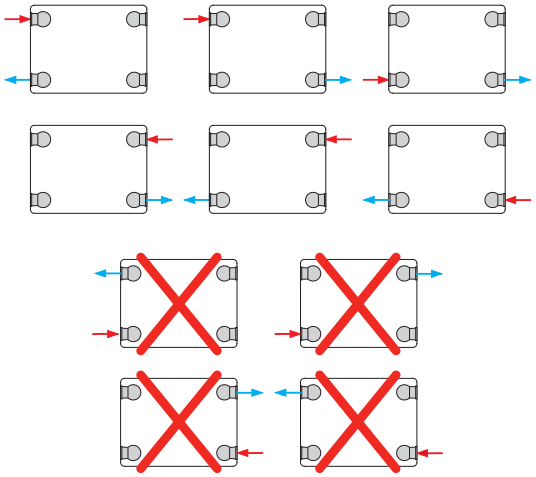
## Compact with Style Lo-Line panel information

All dimensions in mm. Inches in brackets.

P+ and K2

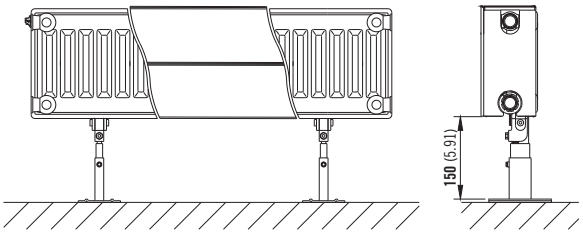



## Compact with Style piping options



## Compact with Style Lo-Line floor mounting information

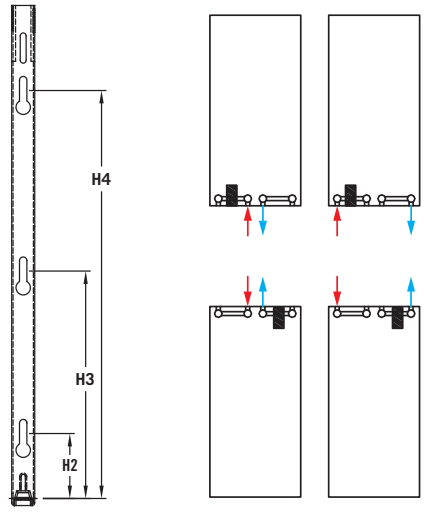
All dimensions in mm. Inches in brackets.




Floor mounting bracket comes as standard (200mm only)

## Compact with Style Vertical mounted brackets and piping options

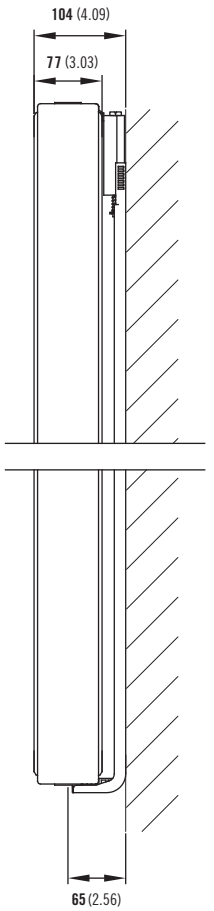
| Height | | H2 | | H3 | | H4 | |
|---|---|---|---|---|---|---|---|
| mm | in | mm | in | mm | in | mm | in |
| 1600 | 63 | 70 | 2.75 | 730 | 36.02 | 1390 | 55.71 |
| 1800 | 70.9 | 70 | 2.75 | 830 | 43.89 | 1590 | 63.58 |
| 2000 | 78.7 | 70 | 2.75 | 930 | 47.83 | 1790 | 71.46 |
| 2200 | 86.6 | 70 | 2.75 | 1030 | 51.77 | 1990 | 79.33 |



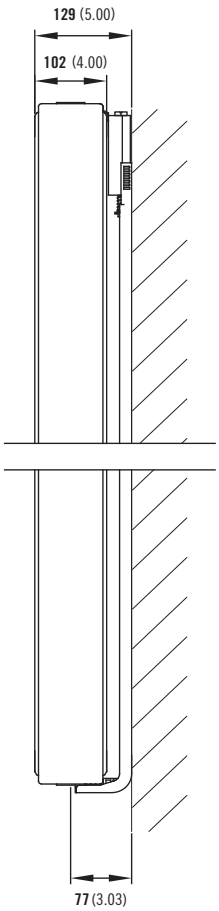

## Compact with Style Vertical wall mounting information

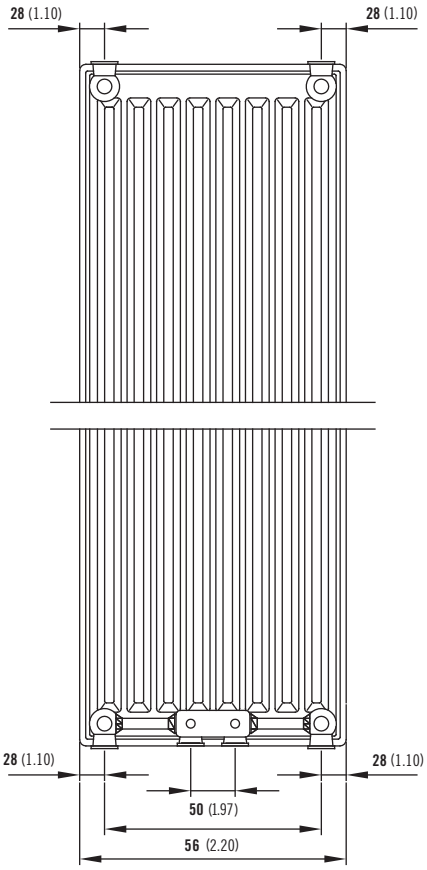
All dimensions in mm. Inches in brackets.

P2




K2




STARS

STELRAD'S ADVANCED HEATLOSS CALCULATOR

The Stelrad STARS Heatloss Calculator contains an inbuilt U value calculator.

Save time and effort by using the Stelrad STARS program - the perfect solution for accurate sizing and design flexibility.

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# Stelrad Planar Range

## 50Δt (75/65/20°C)

K1

K2

| Height | Length mm | Sections | K1 UIN | K1 Heat output Watts | K1 Heat output Btu/hr | K2 UIN | K2 Heat output Watts | K2 Heat output Btu/hr |
|---|---|---|---|---|---|---|---|---|
| 300 | 500 | 15 | 140900 | 235 | 802 | 140904 | 465 | 1587 |
| | 1000 | 30 | 140901 | 469 | 1600 | 140905 | 929 | 3170 |
| | 1400 | 42 | 140902 | 657 | 2242 | 140906 | 1301 | 4439 |
| | 2000 | 60 | 140903 | 938 | 3200 | 140907 | 1858 | 6339 |
| 400 | 400 | 12 | 140908 | 250 | 853 | 140917 | 471 | 1607 |
| | 600 | 18 | 140909 | 376 | 1283 | 140918 | 706 | 2409 |
| | 800 | 24 | 140910 | 501 | 1709 | 140919 | 942 | 3214 |
| | 1000 | 30 | 140911 | 626 | 2136 | 140920 | 1177 | 4016 |
| | 1200 | 36 | 140912 | 751 | 2562 | 140921 | 1412 | 4818 |
| | 1400 | 42 | 140913 | 876 | 2989 | 140922 | 1648 | 5623 |
| | 1600 | 48 | 140914 | 1002 | 3419 | 140923 | 1883 | 6425 |
| | 1800 | 54 | 140915 | 1127 | 3845 | 140924 | 2119 | 7230 |
| | 2000 | 60 | 140916 | 1252 | 4272 | 140925 | 2354 | 8032 |
| 500 | 400 | 12 | 140926 | 310 | 1058 | 140935 | 564 | 1924 |
| | 600 | 18 | 140927 | 464 | 1583 | 140936 | 847 | 2890 |
| | 800 | 24 | 140928 | 619 | 2112 | 140937 | 1129 | 3852 |
| | 1000 | 30 | 140929 | 774 | 2641 | 140938 | 1411 | 4814 |
| | 1200 | 36 | 140930 | 929 | 3170 | 140939 | 1693 | 5777 |
| | 1400 | 42 | 140931 | 1084 | 3699 | 140940 | 1975 | 6739 |
| | 1600 | 48 | 140932 | 1238 | 4224 | 140941 | 2258 | 7704 |
| | 1800 | 54 | 140933 | 1393 | 4753 | 140942 | 2540 | 8666 |
| | 2000 | 60 | 140934 | 1548 | 5282 | 140943 | 2822 | 9629 |
| | 2200 | 66 | 141100 | 1702 | 5812 | 141105 | 3105 | 10595 |
| | 2400 | 72 | 141101 | 1858 | 6341 | 141106 | 3386 | 11556 |
| | 2600 | 78 | 141102 | 2013 | 6871 | 141107 | 3668 | 12518 |
| | 2800 | 84 | 141103 | 2168 | 7394 | 141108 | 3950 | 13486 |
| | 3000 | 90 | 141104 | 2321 | 7924 | 141109 | 4234 | 14448 |
| 600 | 400 | 12 | 140944 | 364 | 1242 | 140953 | 654 | 2231 |
| | 600 | 18 | 140945 | 547 | 1866 | 140954 | 980 | 3344 |
| | 800 | 24 | 140946 | 729 | 2487 | 140955 | 1307 | 4459 |
| | 1000 | 30 | 140947 | 911 | 3108 | 140956 | 1634 | 5575 |
| | 1200 | 36 | 140948 | 1093 | 3729 | 140957 | 1961 | 6691 |
| | 1400 | 42 | 140949 | 1275 | 4350 | 140958 | 2288 | 7807 |
| | 1600 | 48 | 140950 | 1458 | 4975 | 140959 | 2614 | 8919 |
| | 1800 | 54 | 140951 | 1640 | 5596 | 140960 | 2941 | 10035 |
| | 2000 | 60 | 140952 | 1822 | 6217 | 140961 | 3268 | 11150 |
| | 2200 | 66 | 141110 | 2005 | 6840 | 141115 | 3594 | 12269 |
| | 2400 | 72 | 141111 | 2186 | 7461 | 141116 | 3922 | 13386 |
| | 2600 | 78 | 141112 | 2368 | 8081 | 141117 | 4249 | 14502 |
| | 2800 | 84 | 141113 | 2550 | 8708 | 141118 | 4576 | 15613 |
| | 3000 | 90 | 141114 | 2734 | 9329 | 141119 | 4901 | 16729 |
| 700 | 400 | 12 | 140974 | 415 | 1416 | 140983 | 739 | 2521 |
| | 600 | 18 | 140975 | 623 | 2126 | 140984 | 1095 | 3736 |
| | 800 | 30 | 140976 | 830 | 2832 | 140985 | 1460 | 4980 |
| | 1000 | 36 | 140977 | 1038 | 3542 | 140986 | 1824 | 6224 |
| | 1200 | 42 | 140978 | 1246 | 4251 | 140987 | 2189 | 7469 |
| | 1400 | 48 | 140979 | 1453 | 4958 | 140988 | 2554 | 8713 |
| | 1600 | 54 | 140980 | 1661 | 5667 | 140989 | 2919 | 9960 |
| | 1800 | 60 | 140981 | 1868 | 6374 | 140990 | 3284 | 11205 |
| | 2000 | 66 | 140982 | 2076 | 7083 | 140991 | 3649 | 12449 |

**Please note:** All products over 2 metres wide will take 6 weeks to be delivered from date of order. When this product is ordered it cannot be cancelled.

**Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer).**

# Stelrad Planar Range

## 40Δt (65/55/20°C)

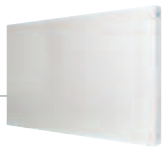
K1

K2

| Height | Length mm | Sections | K1 UIN | K1 Heat output Watts | K1 Heat output Btu/hr | K2 UIN | K2 Heat output Watts | K2 Heat output Btu/hr |
|---|---|---|---|---|---|---|---|---|
| 300 | 500 | 15 | 140900 | 176 | 600 | 140904 | 348 | 1187 |
| | 1000 | 30 | 140901 | 351 | 1197 | 140905 | 695 | 2371 |
| | 1400 | 42 | 140902 | 491 | 1677 | 140906 | 973 | 3320 |
| | 2000 | 60 | 140903 | 702 | 2394 | 140907 | 1390 | 4742 |
| 400 | 400 | 12 | 140908 | 187 | 638 | 140917 | 352 | 1202 |
| | 600 | 18 | 140909 | 281 | 960 | 140918 | 528 | 1802 |
| | 800 | 24 | 140910 | 375 | 1279 | 140919 | 705 | 2404 |
| | 1000 | 30 | 140911 | 468 | 1598 | 140920 | 880 | 3004 |
| | 1200 | 36 | 140912 | 562 | 1917 | 140921 | 1056 | 3604 |
| | 1400 | 42 | 140913 | 655 | 2236 | 140922 | 1233 | 4206 |
| | 1600 | 48 | 140914 | 749 | 2557 | 140923 | 1408 | 4806 |
| | 1800 | 54 | 140915 | 843 | 2876 | 140924 | 1585 | 5408 |
| | 2000 | 60 | 140916 | 936 | 3195 | 140925 | 1761 | 6008 |
| 500 | 400 | 12 | 140926 | 232 | 791 | 140935 | 422 | 1439 |
| | 600 | 18 | 140927 | 347 | 1184 | 140936 | 634 | 2162 |
| | 800 | 24 | 140928 | 463 | 1580 | 140937 | 844 | 2881 |
| | 1000 | 30 | 140929 | 579 | 1975 | 140938 | 1055 | 3601 |
| | 1200 | 36 | 140930 | 695 | 2371 | 140939 | 1266 | 4321 |
| | 1400 | 42 | 140931 | 811 | 2767 | 140940 | 1477 | 5041 |
| | 1600 | 48 | 140932 | 926 | 3160 | 140941 | 1689 | 5763 |
| | 1800 | 54 | 140933 | 1042 | 3555 | 140942 | 1900 | 6483 |
| | 2000 | 60 | 140934 | 1158 | 3951 | 140943 | 2111 | 7202 |
| | 2200 | 66 | 141100 | 1274 | 4346 | 141105 | 2322 | 7922 |
| | 2400 | 72 | 141101 | 1390 | 4742 | 141106 | 2533 | 8642 |
| | 2600 | 78 | 141102 | 1505 | 5135 | 141107 | 2744 | 9364 |
| | 2800 | 84 | 141103 | 1621 | 5531 | 141108 | 2955 | 10084 |
| | 3000 | 90 | 141104 | 1737 | 5926 | 141109 | 3166 | 10803 |
| 600 | 400 | 12 | 140944 | 272 | 929 | 140953 | 489 | 1669 |
| | 600 | 18 | 140945 | 409 | 1396 | 140954 | 733 | 2501 |
| | 800 | 24 | 140946 | 545 | 1861 | 140955 | 978 | 3336 |
| | 1000 | 30 | 140947 | 681 | 2325 | 140956 | 1222 | 4170 |
| | 1200 | 36 | 140948 | 818 | 2790 | 140957 | 1467 | 5005 |
| | 1400 | 42 | 140949 | 954 | 3254 | 140958 | 1711 | 5839 |
| | 1600 | 48 | 140950 | 1091 | 3721 | 140959 | 1955 | 6671 |
| | 1800 | 54 | 140951 | 1227 | 4186 | 140960 | 2200 | 7506 |
| | 2000 | 60 | 140952 | 1363 | 4650 | 140961 | 2444 | 8341 |
| | 2200 | 66 | 141110 | 1499 | 5115 | 141115 | 2689 | 9175 |
| | 2400 | 72 | 141111 | 1635 | 5579 | 141116 | 2934 | 10010 |
| | 2600 | 78 | 141112 | 1772 | 6046 | 141117 | 3178 | 10842 |
| | 2800 | 84 | 141113 | 1908 | 6511 | 141118 | 3422 | 11676 |
| | 3000 | 90 | 141114 | 2044 | 6975 | 141119 | 3667 | 12511 |
| 700 | 400 | 12 | 140974 | 310 | 1059 | 140983 | 546 | 1861 |
| | 600 | 18 | 140975 | 466 | 1590 | 140984 | 819 | 2794 |
| | 800 | 30 | 140976 | 621 | 2118 | 140985 | 1092 | 3725 |
| | 1000 | 36 | 140977 | 776 | 2649 | 140986 | 1365 | 4656 |
| | 1200 | 42 | 140978 | 932 | 3180 | 140987 | 1637 | 5586 |
| | 1400 | 48 | 140979 | 1087 | 3708 | 140988 | 1910 | 6517 |
| | 1600 | 54 | 140980 | 1242 | 4239 | 140989 | 2184 | 7450 |
| | 1800 | 60 | 140981 | 1397 | 4767 | 140990 | 2456 | 8381 |
| | 2000 | 66 | 140982 | 1553 | 5298 | 140991 | 2729 | 9312 |

**Please note:** All products over 2 metres wide will take 6 weeks to be delivered from date of order. When this product is ordered it cannot be cancelled.

# Stelrad Planar Range



## 30Δt (55/45/20°C)

K1

K2

| Height | Length mm | Sections | K1 UIN | K1 Heat output Watts | K1 Heat output Btu/hr | K2 UIN | K2 Heat output Watts | K2 Heat output Btu/hr |
|---|---|---|---|---|---|---|---|---|
| 300 | 500 | 15 | 140900 | 121 | 413 | 140904 | 239 | 817 |
| | 1000 | 30 | 140901 | 242 | 824 | 140905 | 478 | 1632 |
| | 1400 | 42 | 140902 | 338 | 1154 | 140906 | 670 | 2286 |
| | 2000 | 60 | 140903 | 483 | 1648 | 140907 | 957 | 3265 |
| 400 | 400 | 12 | 140908 | 129 | 439 | 140917 | 243 | 828 |
| | 600 | 18 | 140909 | 194 | 661 | 140918 | 364 | 1241 |
| | 800 | 24 | 140910 | 258 | 880 | 140919 | 485 | 1655 |
| | 1000 | 30 | 140911 | 322 | 1100 | 140920 | 606 | 2068 |
| | 1200 | 36 | 140912 | 387 | 1320 | 140921 | 727 | 2481 |
| | 1400 | 42 | 140913 | 451 | 1539 | 140922 | 849 | 2896 |
| | 1600 | 48 | 140914 | 516 | 1761 | 140923 | 970 | 3309 |
| | 1800 | 54 | 140915 | 580 | 1980 | 140924 | 1091 | 3723 |
| | 2000 | 60 | 140916 | 645 | 2200 | 140925 | 1212 | 4136 |
| 500 | 400 | 12 | 140926 | 160 | 545 | 140935 | 290 | 991 |
| | 600 | 18 | 140927 | 239 | 815 | 140936 | 436 | 1488 |
| | 800 | 24 | 140928 | 319 | 1088 | 140937 | 581 | 1984 |
| | 1000 | 30 | 140929 | 399 | 1360 | 140938 | 727 | 2479 |
| | 1200 | 36 | 140930 | 478 | 1632 | 140939 | 872 | 2975 |
| | 1400 | 42 | 140931 | 558 | 1905 | 140940 | 1017 | 3470 |
| | 1600 | 48 | 140932 | 638 | 2175 | 140941 | 1163 | 3968 |
| | 1800 | 54 | 140933 | 717 | 2448 | 140942 | 1308 | 4463 |
| | 2000 | 60 | 140934 | 797 | 2720 | 140943 | 1453 | 4959 |
| | 2200 | 66 | 141100 | 877 | 2992 | 141105 | 1599 | 5454 |
| | 2400 | 72 | 141101 | 957 | 3265 | 141106 | 1744 | 5950 |
| | 2600 | 78 | 141102 | 1036 | 3535 | 141107 | 1890 | 6447 |
| | 2800 | 84 | 141103 | 1116 | 3808 | 141108 | 2035 | 6943 |
| | 3000 | 90 | 141104 | 1196 | 4080 | 141109 | 2180 | 7438 |
| 600 | 400 | 12 | 140944 | 187 | 640 | 140953 | 337 | 1149 |
| | 600 | 18 | 140945 | 282 | 961 | 140954 | 505 | 1722 |
| | 800 | 24 | 140946 | 375 | 1281 | 140955 | 673 | 2297 |
| | 1000 | 30 | 140947 | 469 | 1601 | 140956 | 842 | 2871 |
| | 1200 | 36 | 140948 | 563 | 1921 | 140957 | 1010 | 3446 |
| | 1400 | 42 | 140949 | 657 | 2240 | 140958 | 1178 | 4020 |
| | 1600 | 48 | 140950 | 751 | 2562 | 140959 | 1346 | 4593 |
| | 1800 | 54 | 140951 | 845 | 2882 | 140960 | 1515 | 5168 |
| | 2000 | 60 | 140952 | 938 | 3202 | 140961 | 1683 | 5742 |
| | 2200 | 66 | 141110 | 1032 | 3521 | 141115 | 1851 | 6317 |
| | 2400 | 72 | 141111 | 1126 | 3841 | 141116 | 2020 | 6892 |
| | 2600 | 78 | 141112 | 1220 | 4163 | 141117 | 2188 | 7465 |
| | 2800 | 84 | 141113 | 1314 | 4483 | 141118 | 2356 | 8039 |
| | 3000 | 90 | 141114 | 1407 | 4802 | 141119 | 2525 | 8614 |
| 700 | 400 | 12 | 140974 | 214 | 729 | 140983 | 381 | 1282 |
| | 600 | 18 | 140975 | 321 | 1095 | 140984 | 564 | 1924 |
| | 800 | 30 | 140976 | 427 | 1458 | 140985 | 752 | 2565 |
| | 1000 | 36 | 140977 | 535 | 1824 | 140986 | 939 | 3206 |
| | 1200 | 42 | 140978 | 642 | 2189 | 140987 | 1127 | 3846 |
| | 1400 | 48 | 140979 | 748 | 2553 | 140988 | 1332 | 4487 |
| | 1600 | 54 | 140980 | 855 | 2919 | 140989 | 1503 | 5130 |
| | 1800 | 60 | 140981 | 962 | 3282 | 140990 | 1691 | 5770 |
| | 2000 | 66 | 140982 | 1069 | 3648 | 140991 | 1879 | 6411 |

**Please note:** All products over 2 metres wide will take 6 weeks to be delivered from date of order. When this product is ordered it cannot be cancelled.

# Stelrad Planar Range

## EN 442 Certification Data - CETIAT tested in accordance with BS EN 442

| Type | K1 | | | | | K2 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Height | 300 | 400 | 500 | 600 | 700 | 300 | 400 | 500 | 600 | 700 |
| W/m at 75/65/20 | 469 | 629 | 774 | 911 | 1038 | 929 | 1177 | 1411 | 1634 | 1848 |
| n-coefficients | 1.30 | 1.29 | 1.28 | 1.27 | 1.27 | 1.29 | 1.30 | 1.31 | 1.32 | 1.33 |
| Heated Surface Area (m²/m) | 2.09 | 2.95 | 3.80 | 4.66 | 5.51 | 3.51 | 4.92 | 6.33 | 7.74 | 9.15 |
| Weight (kg/m) | 11.88 | 16.13 | 20.39 | 24.65 | 28.91 | 19.60 | 26.40 | 33.20 | 40.00 | 46.80 |
| Water contents (l/m) | 1.89 | 2.34 | 2.80 | 3.25 | 3.77 | 3.70 | 4.67 | 5.63 | 6.60 | 7.63 |
| Wall to tap centre (mm) | 54 | 54 | 54 | 54 | 54 | 76 | 76 | 76 | 76 | 76 |

# Stelrad Planar Vertical

### K2

## 50 Δt (75/65/20°C)

| Height | Length mm | Sections | Heat output UIN | Watts | Btu/hr |
|---|---|---|---|---|---|
| 1800 | 400 | 12 | 30182204 | 1476 | 5036 |
| | 500 | 15 | 30182205 | 1845 | 6295 |
| | 600 | 18 | 30182206 | 2214 | 7554 |
| | 700 | 21 | 30182207 | 2583 | 8813 |
| 2000 | 400 | 12 | 30202204 | 1584 | 5405 |
| | 500 | 15 | 30202205 | 1980 | 6756 |
| | 600 | 18 | 30202206 | 2376 | 8107 |
| | 700 | 21 | 30202207 | 2772 | 9458 |
| 2200 | 400 | 12 | 30222204 | 1692 | 5773 |
| | 500 | 15 | 30222205 | 2115 | 7216 |
| | 600 | 18 | 30222206 | 2538 | 8660 |
| | 700 | 21 | 30222207 | 2961 | 10103 |

**Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer).**

### K2

## 40 Δt (65/55/20°C) 30 Δt (55/45/20°C)

| Height | Length mm | Sections | Heat output UIN | Watts | Btu/hr | Heat output UIN | Watts | Btu/hr |
|---|---|---|---|---|---|---|---|---|
| 1800 | 400 | 12 | 30182204 | 1104 | 3767 | 30182204 | 760 | 2594 |
| | 500 | 15 | 30182205 | 1380 | 4709 | 30182205 | 950 | 3242 |
| | 600 | 18 | 30182206 | 1656 | 5651 | 30182206 | 1140 | 3890 |
| | 700 | 21 | 30182207 | 1932 | 6592 | 30182207 | 1330 | 4539 |
| 2000 | 400 | 12 | 30202204 | 1185 | 4043 | 30202204 | 816 | 2783 |
| | 500 | 15 | 30202205 | 1481 | 5053 | 30202205 | 1020 | 3479 |
| | 600 | 18 | 30202206 | 1777 | 6064 | 30202206 | 1224 | 4175 |
| | 700 | 21 | 30202207 | 2073 | 7075 | 30202207 | 1428 | 4871 |
| 2200 | 400 | 12 | 30222204 | 1266 | 4318 | 30222204 | 871 | 2973 |
| | 500 | 15 | 30222205 | 1582 | 5398 | 30222205 | 1089 | 3716 |
| | 600 | 18 | 30222206 | 1898 | 6477 | 30222206 | 1307 | 4460 |
| | 700 | 21 | 30222207 | 2215 | 7557 | 30222207 | 1525 | 5203 |

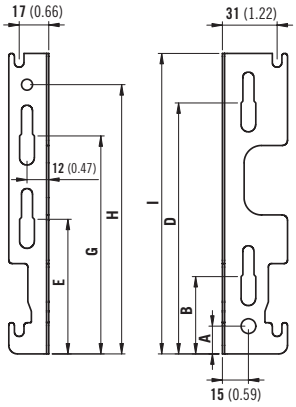
## EN 442 Certification Data – CETIAT tested in accordance with BS EN 442

| Type | K2 | | |
|---|---|---|---|
| Height | 1800 | 2000 | 2200 |
| W/m at 75/65/20 | 3690 | 3960 | 4230 |
| n-coefficients | 1.32 | 1.33 | 1.33 |
| Heated Surface Area (m²/m) | 29.90 | 37.74 | 38.66 |
| Weight (kg/m) | 105.30 | 116.40 | 126.60 |
| Water Contents (l/m) | 15.90 | 17.70 | 20.10 |
| Wall to tap centre (mm) | 77 | 77 | 77 |

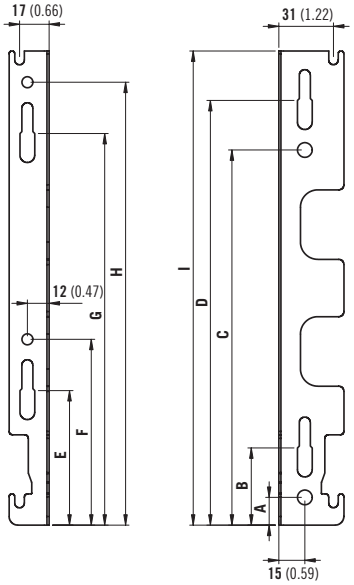
# Planar Horizontal mounting brackets

All dimensions in mm. Inches in brackets.

Floor mounting brackets available. See page 42.

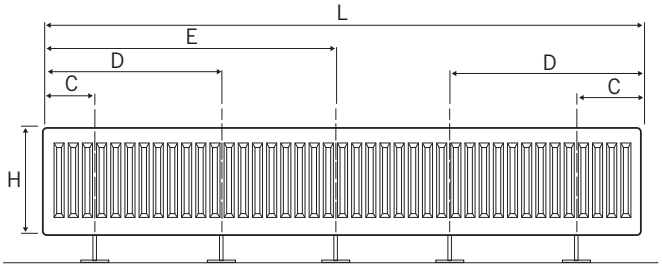



K1 and K2
(300mm)




K1 and K2
(400, 500 & 600mm)

| Dimensions | mm | in | mm | in | mm | in | mm | in |
|---|---|---|---|---|---|---|---|---|
| | 300 | 11.81 | 400 | 15.75 | 500 | 19.69 | 600 | 23.62 |
| **A** | 16 | 0.62 | 16 | 0.62 | 16 | 0.62 | 16 | 0.62 |
| **B** | 44 | 1.73 | 44 | 1.73 | 44 | 1.73 | 44 | 1.73 |
| **C** | - | - | 216 | 8.50 | 316 | 12.44 | 416 | 16.37 |
| **D** | 144 | 5.66 | 244 | 9.60 | 344 | 13.54 | 444 | 17.48 |
| **E** | 77 | 3.03 | 77 | 3.03 | 77 | 3.03 | 77 | 3.03 |
| **F** | - | - | 107 | 4.21 | 107 | 4.21 | 107 | 4.21 |
| **G** | 125 | 4.92 | 225 | 8.85 | 325 | 12.79 | 425 | 16.73 |
| **H** | 155 | 6.10 | 255 | 10.03 | 355 | 13.97 | 455 | 17.91 |
| **I** | 173 | 6.81 | 273 | 10.74 | 373 | 14.68 | 473 | 18.62 |

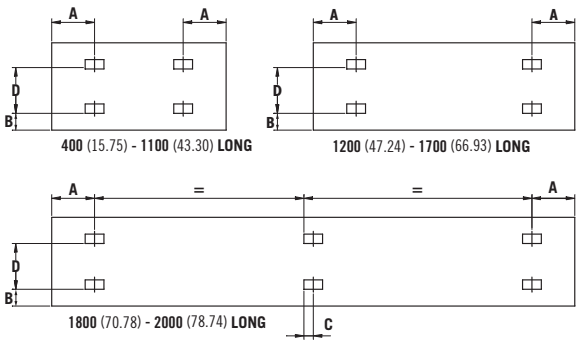



| | L | 400 | 500 - 1100 | 1200 | 1400 - 1800 | 2000 - 3000 |
|---|---|---|---|---|---|---|
| **H** | Number | 2pc | | | | 3pc |
| 300 | **C** | 117 | 150 | 250 | 250 | 250 |
| 500 | **E** | - | - | - | - | L/2+17 |

| | L | 400 | 500 - 1100 | 1200 | 1400 - 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **H** | Number | 2pc | | | 3pc | 4pc | | | 5pc | | |
| 600 | **C** | 117 | 150 | 250 | 250 | 250 | | | 250 | | |
| 700 | **D** | - | - | - | - | 750 | 817 | 850 | 750 | 817 | 850 |
| | **E** | - | - | - | 817 | - | - | - | L/2+17 | | |

# K1 and K2 lug positions

All dimensions in mm. Inches in brackets.




| Dimensions | | K1 mm | K1 in |
|---|---|---|---|
| **A** | 400mm | 117 | 4.61 |
| **A** | 500 - 1100mm | 150 | 5.91 |
| **A** | 1200 - 2000mm | 283 | 11.14 |
| **B** | All | 60 | 2.36 |
| **C** | 1800 - 3000mm | 17 | 0.67 |

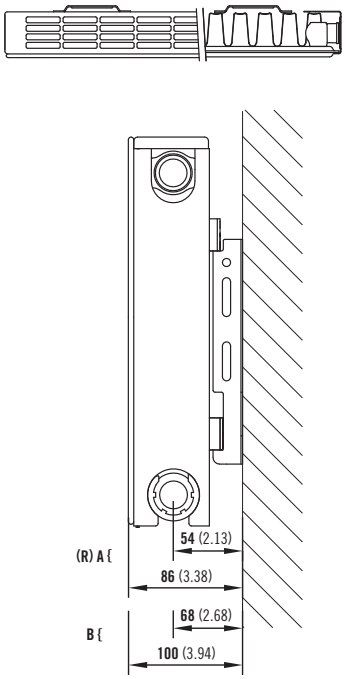
| Dimensions | | K2 mm | K2 in |
|---|---|---|---|
| **A** | 400 - 1100mm | 133 | 5.24 |
| **A** | 1200 - 2000mm | 267 | 10.50 |
| **B** | All | 60 | 2.36 |

| Panel Height mm | Panel Height in | D mm | D in |
|---|---|---|---|
| 300 | 11.81 | 155 | 6.10 |
| 400 | 15.75 | 255 | 10.04 |
| 500 | 19.69 | 355 | 13.98 |
| 600 | 23.62 | 455 | 17.93 |

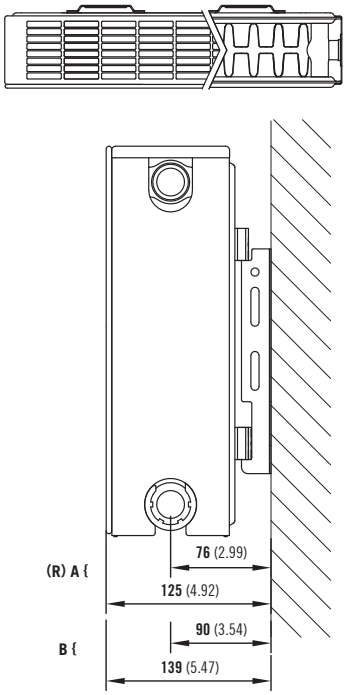
## Planar wall mounting information

All dimensions in mm. Inches in brackets.

K1



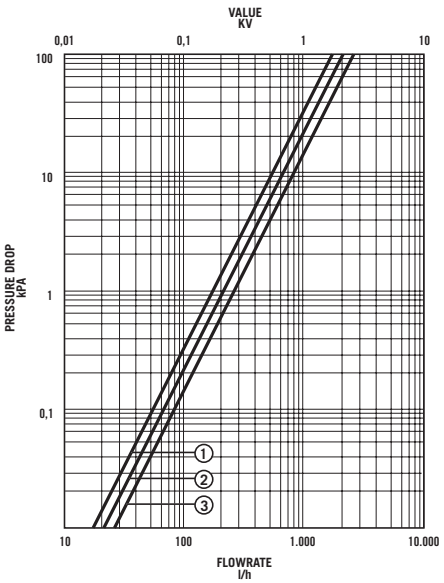

K2




## Planar bracket position

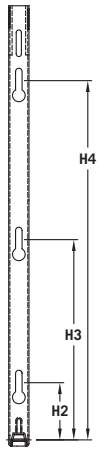
A = Closest to Wall  B = Furthest from Wall  (R) = Recommended Mounting Position

## Pressure drops



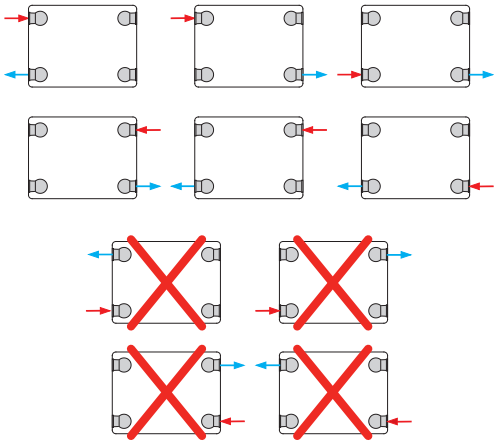

1 Type 10 (P1), 11 (K1)
2 Type 21 (P+), 22 (K2)
3 Type 33 (K3)

## Planar Vertical mounting brackets



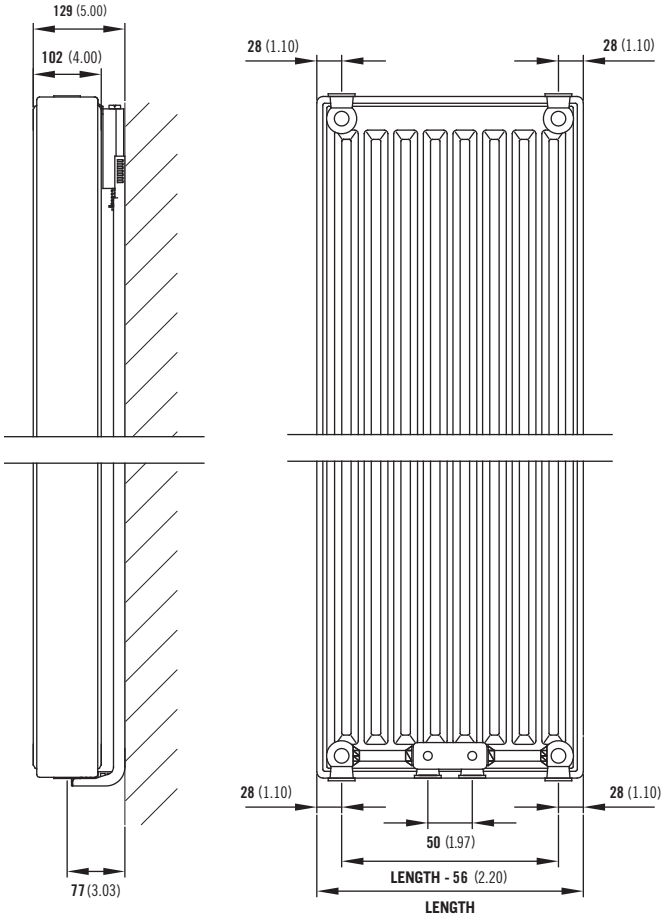

| Height | | H2 | | H3 | | H4 | |
|---|---|---|---|---|---|---|---|
| mm | in | mm | in | mm | in | mm | in |
| 1800 | 70.87 | 70 | 2.75 | 830 | 43.89 | 1590 | 63.58 |
| 2000 | 78.74 | 70 | 2.75 | 930 | 47.83 | 1790 | 71.46 |
| 2200 | 86.61 | 70 | 2.75 | 1030 | 51.77 | 1900 | 79.33 |

## Planar piping options



## Planar Vertical wall mounting information

All dimensions in mm. Inches in brackets.




Comes complete with Stelrad's class leading safety bracket.

# Stelrad Concord Range

Lo-Line

## 50 Δt (75/65/20°C)

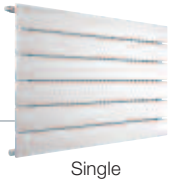
Lo-Line | Single | Double

| Height | Length mm | Elements | Lo-Line Heat output UIN | Lo-Line Watts | Lo-Line Btu/hr | Single Heat output UIN | Single Watts | Single Btu/hr | Double Heat output UIN | Double Watts | Double Btu/hr |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 144 | 800 | 2 | 148308 | 530 | 1809 | - | - | - | - | - | - |
| | 1000 | 2 | 148309 | 663 | 2263 | - | - | - | - | - | - |
| | 1200 | 2 | 148310 | 796 | 2717 | - | - | - | - | - | - |
| | 1400 | 2 | 148311 | 928 | 3167 | - | - | - | - | - | - |
| | 1600 | 2 | 148312 | 1061 | 3621 | - | - | - | - | - | - |
| | 1800 | 2 | 148313 | 1193 | 4071 | - | - | - | - | - | - |
| | 2000 | 2 | 148314 | 1326 | 4525 | - | - | - | - | - | - |
| | 2200 | 2 | 148315 | 1459 | 4979 | - | - | - | - | - | - |
| 292 | 800 | 4 | 148316 | 898 | 3065 | - | - | - | - | - | - |
| | 1000 | 4 | 148317 | 1122 | 3829 | - | - | - | - | - | - |
| | 1200 | 4 | 148318 | 1346 | 4594 | - | - | - | - | - | - |
| | 1400 | 4 | 148319 | 1571 | 5362 | - | - | - | - | - | - |
| | 1600 | 4 | 148320 | 1795 | 6126 | - | - | - | - | - | - |
| | 1800 | 4 | 148321 | 2020 | 6894 | - | - | - | - | - | - |
| | 2000 | 4 | 148322 | 2244 | 7658 | - | - | - | - | - | - |
| | 2200 | 4 | 148323 | 2468 | 8423 | - | - | - | - | - | - |
| 440 | 500 | 6 | - | - | - | 148346 | 382 | 1303 | 148397 | 673 | 2296 |
| | 600 | 6 | - | - | - | 148347 | 458 | 1563 | 148398 | 808 | 2757 |
| | 700 | 6 | - | - | - | 148348 | 535 | 1826 | 148399 | 942 | 3214 |
| | 800 | 6 | - | - | - | 148349 | 611 | 2085 | 148400 | 1077 | 3675 |
| | 900 | 6 | - | - | - | 148350 | 688 | 2348 | 148401 | 1211 | 4132 |
| | 1000 | 6 | - | - | - | 148351 | 764 | 2607 | 148402 | 1346 | 4593 |
| | 1100 | 6 | - | - | - | 148352 | 840 | 2867 | 148403 | 1481 | 5053 |
| | 1200 | 6 | - | - | - | 148353 | 917 | 3130 | 148404 | 1615 | 5512 |
| | 1400 | 6 | - | - | - | 148354 | 1070 | 3651 | 148405 | 1884 | 6430 |
| | 1600 | 6 | - | - | - | 148355 | 1222 | 4170 | 148406 | 2154 | 7351 |
| | 1800 | 6 | - | - | - | 148356 | 1375 | 4692 | 148407 | 2423 | 8267 |
| | 2000 | 6 | - | - | - | 148357 | 1528 | 5215 | 148408 | 2692 | 9187 |
| | 2200 | 6 | - | - | - | 148358 | 1681 | 5736 | 148409 | 2961 | 10104 |
| | 2400 | 6 | - | - | - | 148359 | 1834 | 6258 | 148410 | 3230 | 11023 |
| | 2600 | 6 | - | - | - | 148360 | 1986 | 6778 | 148411 | 3500 | 11945 |
| | 2800 | 6 | - | - | - | 148361 | 2139 | 7298 | 148412 | 3769 | 12863 |
| | 3000 | 6 | - | - | - | 148362 | 2292 | 7822 | 148413 | 4038 | 13781 |
| 588 | 500 | 8 | - | - | - | 148363 | 500 | 1706 | 148414 | 827 | 2822 |
| | 600 | 8 | - | - | - | 148364 | 599 | 2044 | 148415 | 992 | 3385 |
| | 700 | 8 | - | - | - | 148365 | 699 | 2385 | 148416 | 1158 | 3951 |
| | 800 | 8 | - | - | - | 148366 | 799 | 2726 | 148417 | 1323 | 4514 |
| | 900 | 8 | - | - | - | 148367 | 899 | 3067 | 148418 | 1489 | 5082 |
| | 1000 | 8 | - | - | - | 148368 | 999 | 3409 | 148419 | 1654 | 5643 |
| | 1100 | 8 | - | - | - | 148369 | 1099 | 3750 | 148420 | 1819 | 6206 |
| | 1200 | 8 | - | - | - | 148370 | 1199 | 4091 | 148421 | 1985 | 6773 |
| | 1400 | 8 | - | - | - | 148371 | 1399 | 4775 | 148422 | 2316 | 7902 |
| | 1600 | 8 | - | - | - | 148372 | 1598 | 5454 | 148423 | 2646 | 9028 |
| | 1800 | 8 | - | - | - | 148373 | 1798 | 6135 | 148424 | 2977 | 10158 |
| | 2000 | 8 | - | - | - | 148374 | 1998 | 6819 | 148425 | 3308 | 11287 |
| | 2200 | 8 | - | - | - | 148375 | 2198 | 7500 | 148426 | 3639 | 12416 |
| | 2400 | 8 | - | - | - | 148376 | 2398 | 8182 | 148427 | 3970 | 13549 |
| | 2600 | 8 | - | - | - | 148377 | 2597 | 8863 | 148428 | 4300 | 14672 |
| | 2800 | 8 | - | - | - | 148378 | 2797 | 9546 | 148429 | 4631 | 15801 |
| | 3000 | 8 | - | - | - | 148379 | 2997 | 10226 | 148430 | 4962 | 16934 |
| 736 | 500 | 10 | - | - | - | 148380 | 606 | 2068 | 148431 | 1046 | 3569 |
| | 600 | 10 | - | - | - | 148381 | 727 | 2481 | 148432 | 1255 | 4282 |
| | 700 | 10 | - | - | - | 148382 | 848 | 2893 | 148433 | 1464 | 4995 |
| | 800 | 10 | - | - | - | 148383 | 970 | 3310 | 148434 | 1674 | 5712 |
| | 900 | 10 | - | - | - | 148384 | 1091 | 3722 | 148435 | 1883 | 6425 |
| | 1000 | 10 | - | - | - | 148385 | 1212 | 4135 | 148436 | 2092 | 7138 |
| | 1100 | 10 | - | - | - | 148386 | 1333 | 4548 | 148437 | 2301 | 7851 |
| | 1200 | 10 | - | - | - | 148387 | 1454 | 4961 | 148438 | 2510 | 8564 |
| | 1400 | 10 | - | - | - | 148388 | 1697 | 5792 | 148439 | 2929 | 9994 |
| | 1600 | 10 | - | - | - | 148389 | 1939 | 6616 | 148440 | 3347 | 11420 |
| | 1800 | 10 | - | - | - | 148390 | 2182 | 7447 | 148441 | 3766 | 12850 |
| | 2000 | 10 | - | - | - | 148391 | 2424 | 8275 | 148442 | 4184 | 14276 |
| | 2200 | 10 | - | - | - | 148392 | 2666 | 9099 | 148443 | 4602 | 15702 |
| | 2400 | 10 | - | - | - | 148393 | 2909 | 9928 | 148444 | 5021 | 17132 |
| | 2600 | 10 | - | - | - | 148394 | 3151 | 10754 | 148445 | 5439 | 18558 |
| | 2800 | 10 | - | - | - | 148395 | 3394 | 11583 | 148446 | 5858 | 19987 |
| | 3000 | 10 | - | - | - | 148396 | 3636 | 12409 | 148447 | 6276 | 21419 |

**Please note:** All products over 2 metres wide will take 6 weeks to be delivered from date of order. When this product is ordered it cannot be cancelled.

**Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer).**

# Stelrad Concord Range



Single

## 40 Δt (65/55/20°C)

Lo-Line

Single

Double

| Height | Length mm | Elements | Lo-Line UIN | Lo-Line Watts | Lo-Line Btu/hr | Single UIN | Single Watts | Single Btu/hr | Double UIN | Double Watts | Double Btu/hr |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 144 | 800 | 2 | 148308 | 396 | 1353 | - | - | - | - | - | - |
| | 1000 | 2 | 148309 | 496 | 1692 | - | - | - | - | - | - |
| | 1200 | 2 | 148310 | 595 | 2032 | - | - | - | - | - | - |
| | 1400 | 2 | 148311 | 694 | 2368 | - | - | - | - | - | - |
| | 1600 | 2 | 148312 | 794 | 2708 | - | - | - | - | - | - |
| | 1800 | 2 | 148313 | 892 | 3045 | - | - | - | - | - | - |
| | 2000 | 2 | 148314 | 992 | 3384 | - | - | - | - | - | - |
| | 2200 | 2 | 148315 | 1091 | 3724 | - | - | - | - | - | - |
| 292 | 800 | 4 | 148316 | 672 | 2292 | - | - | - | - | - | - |
| | 1000 | 4 | 148317 | 839 | 2864 | - | - | - | - | - | - |
| | 1200 | 4 | 148318 | 1007 | 3435 | - | - | - | - | - | - |
| | 1400 | 4 | 148319 | 1175 | 4009 | - | - | - | - | - | - |
| | 1600 | 4 | 148320 | 1343 | 4581 | - | - | - | - | - | - |
| | 1800 | 4 | 148321 | 1511 | 5155 | - | - | - | - | - | - |
| | 2000 | 4 | 148322 | 1679 | 5727 | - | - | - | - | - | - |
| | 2200 | 4 | 148323 | 1846 | 6299 | - | - | - | - | - | - |
| 440 | 500 | 6 | - | - | - | 148346 | 286 | 975 | 148397 | 503 | 1718 |
| | 600 | 6 | - | - | - | 148347 | 343 | 1169 | 148398 | 604 | 2062 |
| | 700 | 6 | - | - | - | 148348 | 400 | 1365 | 148399 | 705 | 2404 |
| | 800 | 6 | - | - | - | 148349 | 457 | 1559 | 148400 | 806 | 2749 |
| | 900 | 6 | - | - | - | 148350 | 515 | 1756 | 148401 | 906 | 3091 |
| | 1000 | 6 | - | - | - | 148351 | 571 | 1950 | 148402 | 1007 | 3435 |
| | 1100 | 6 | - | - | - | 148352 | 628 | 2144 | 148403 | 1108 | 3780 |
| | 1200 | 6 | - | - | - | 148353 | 686 | 2340 | 148404 | 1208 | 4122 |
| | 1400 | 6 | - | - | - | 148354 | 800 | 2731 | 148405 | 1409 | 4808 |
| | 1600 | 6 | - | - | - | 148355 | 914 | 3119 | 148406 | 1611 | 5497 |
| | 1800 | 6 | - | - | - | 148356 | 1029 | 3510 | 148407 | 1812 | 6184 |
| | 2000 | 6 | - | - | - | 148357 | 1143 | 3900 | 148408 | 2014 | 6870 |
| | 2200 | 6 | - | - | - | 148358 | 1257 | 4290 | 148409 | 2215 | 7557 |
| | 2400 | 6 | - | - | - | 148359 | 1372 | 4681 | 148410 | 2416 | 8244 |
| | 2600 | 6 | - | - | - | 148360 | 1486 | 5069 | 148411 | 2618 | 8933 |
| | 2800 | 6 | - | - | - | 148361 | 1600 | 5459 | 148412 | 2819 | 9619 |
| | 3000 | 6 | - | - | - | 148362 | 1714 | 5850 | 148413 | 3020 | 10306 |
| 588 | 500 | 8 | - | - | - | 148363 | 374 | 1276 | 148414 | 619 | 2111 |
| | 600 | 8 | - | - | - | 148364 | 448 | 1529 | 148415 | 742 | 2532 |
| | 700 | 8 | - | - | - | 148365 | 523 | 1784 | 148416 | 866 | 2955 |
| | 800 | 8 | - | - | - | 148366 | 598 | 2039 | 148417 | 990 | 3377 |
| | 900 | 8 | - | - | - | 148367 | 672 | 2294 | 148418 | 1114 | 3800 |
| | 1000 | 8 | - | - | - | 148368 | 747 | 2550 | 148419 | 1237 | 4221 |
| | 1100 | 8 | - | - | - | 148369 | 822 | 2805 | 148420 | 1361 | 4642 |
| | 1200 | 8 | - | - | - | 148370 | 897 | 3060 | 148421 | 1485 | 5066 |
| | 1400 | 8 | - | - | - | 148371 | 1046 | 3570 | 148422 | 1732 | 5911 |
| | 1600 | 8 | - | - | - | 148372 | 1195 | 4078 | 148423 | 1979 | 6753 |
| | 1800 | 8 | - | - | - | 148373 | 1345 | 4589 | 148424 | 2227 | 7598 |
| | 2000 | 8 | - | - | - | 148374 | 1495 | 5099 | 148425 | 2474 | 8443 |
| | 2200 | 8 | - | - | - | 148375 | 1644 | 5610 | 148426 | 2722 | 9287 |
| | 2400 | 8 | - | - | - | 148376 | 1794 | 6120 | 148427 | 2970 | 10132 |
| | 2600 | 8 | - | - | - | 148377 | 1943 | 6628 | 148428 | 3216 | 10974 |
| | 2800 | 8 | - | - | - | 148378 | 2092 | 7138 | 148429 | 3464 | 11819 |
| | 3000 | 8 | - | - | - | 148379 | 2242 | 7649 | 148430 | 3712 | 12664 |
| 736 | 500 | 10 | - | - | - | 148380 | 453 | 1547 | 148431 | 782 | 2670 |
| | 600 | 10 | - | - | - | 148381 | 544 | 1855 | 148432 | 939 | 3203 |
| | 700 | 10 | - | - | - | 148382 | 634 | 2164 | 148433 | 1095 | 3736 |
| | 800 | 10 | - | - | - | 148383 | 726 | 2476 | 148434 | 1252 | 4272 |
| | 900 | 10 | - | - | - | 148384 | 816 | 2784 | 148435 | 1408 | 4806 |
| | 1000 | 10 | - | - | - | 148385 | 907 | 3093 | 148436 | 1565 | 5339 |
| | 1100 | 10 | - | - | - | 148386 | 997 | 3402 | 148437 | 1721 | 5873 |
| | 1200 | 10 | - | - | - | 148387 | 1088 | 3711 | 148438 | 1877 | 6406 |
| | 1400 | 10 | - | - | - | 148388 | 1269 | 4331 | 148439 | 2191 | 7475 |
| | 1600 | 10 | - | - | - | 148389 | 1450 | 4949 | 148440 | 2504 | 8542 |
| | 1800 | 10 | - | - | - | 148390 | 1632 | 5569 | 148441 | 2817 | 9611 |
| | 2000 | 10 | - | - | - | 148391 | 1813 | 6186 | 148442 | 3130 | 10678 |
| | 2200 | 10 | - | - | - | 148392 | 1994 | 6804 | 148443 | 3442 | 11745 |
| | 2400 | 10 | - | - | - | 148393 | 2176 | 7424 | 148444 | 3756 | 12814 |
| | 2600 | 10 | - | - | - | 148394 | 2357 | 8042 | 148445 | 4068 | 13881 |
| | 2800 | 10 | - | - | - | 148395 | 2539 | 8662 | 148446 | 4382 | 14951 |
| | 3000 | 10 | - | - | - | 148396 | 2720 | 9280 | 148447 | 4694 | 16017 |

**Please note:** All products over 2 metres wide will take 6 weeks to be delivered from date of order. When this product is ordered it cannot be cancelled.

# Stelrad Concord Range

Double

## 30 Δt (55/45/20°C)

Lo-Line | Single | Double

| Height | Length mm | Elements | Lo-Line Heat output UIN | Lo-Line Watts | Lo-Line Btu/hr | Single Heat output UIN | Single Watts | Single Btu/hr | Double Heat output UIN | Double Watts | Double Btu/hr |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 144 | 800 | 2 | 148308 | 273 | 931 | - | - | - | - | - | - |
| | 1000 | 2 | 148309 | 341 | 1165 | - | - | - | - | - | - |
| | 1200 | 2 | 148310 | 410 | 1399 | - | - | - | - | - | - |
| | 1400 | 2 | 148311 | 478 | 1631 | - | - | - | - | - | - |
| | 1600 | 2 | 148312 | 546 | 1864 | - | - | - | - | - | - |
| | 1800 | 2 | 148313 | 614 | 2096 | - | - | - | - | - | - |
| | 2000 | 2 | 148314 | 683 | 2330 | - | - | - | - | - | - |
| | 2200 | 2 | 148315 | 751 | 2564 | - | - | - | - | - | - |
| 292 | 800 | 4 | 148316 | 462 | 1578 | - | - | - | - | - | - |
| | 1000 | 4 | 148317 | 578 | 1972 | - | - | - | - | - | - |
| | 1200 | 4 | 148318 | 693 | 2365 | - | - | - | - | - | - |
| | 1400 | 4 | 148319 | 809 | 2761 | - | - | - | - | - | - |
| | 1600 | 4 | 148320 | 924 | 3154 | - | - | - | - | - | - |
| | 1800 | 4 | 148321 | 1040 | 3550 | - | - | - | - | - | - |
| | 2000 | 4 | 148322 | 1156 | 3943 | - | - | - | - | - | - |
| | 2200 | 4 | 148323 | 1271 | 4337 | - | - | - | - | - | - |
| 440 | 500 | 6 | - | - | - | 148346 | 197 | 671 | 148397 | 347 | 1183 |
| | 600 | 6 | - | - | - | 148347 | 236 | 805 | 148398 | 416 | 1420 |
| | 700 | 6 | - | - | - | 148348 | 276 | 940 | 148399 | 485 | 1655 |
| | 800 | 6 | - | - | - | 148349 | 315 | 1074 | 148400 | 555 | 1892 |
| | 900 | 6 | - | - | - | 148350 | 354 | 1209 | 148401 | 624 | 2128 |
| | 1000 | 6 | - | - | - | 148351 | 393 | 1342 | 148402 | 693 | 2365 |
| | 1100 | 6 | - | - | - | 148352 | 433 | 1476 | 148403 | 763 | 2602 |
| | 1200 | 6 | - | - | - | 148353 | 472 | 1611 | 148404 | 832 | 2838 |
| | 1400 | 6 | - | - | - | 148354 | 551 | 1880 | 148405 | 970 | 3311 |
| | 1600 | 6 | - | - | - | 148355 | 629 | 2147 | 148406 | 1109 | 3785 |
| | 1800 | 6 | - | - | - | 148356 | 708 | 2416 | 148407 | 1248 | 4258 |
| | 2000 | 6 | - | - | - | 148357 | 787 | 2685 | 148408 | 1386 | 4730 |
| | 2200 | 6 | - | - | - | 148358 | 866 | 2954 | 148409 | 1525 | 5203 |
| | 2400 | 6 | - | - | - | 148359 | 945 | 3223 | 148410 | 1663 | 5676 |
| | 2600 | 6 | - | - | - | 148360 | 1023 | 3490 | 148411 | 1803 | 6150 |
| | 2800 | 6 | - | - | - | 148361 | 1102 | 3759 | 148412 | 1941 | 6623 |
| | 3000 | 6 | - | - | - | 148362 | 1180 | 4027 | 148413 | 2080 | 7095 |
| 588 | 500 | 8 | - | - | - | 148363 | 258 | 879 | 148414 | 426 | 1453 |
| | 600 | 8 | - | - | - | 148364 | 308 | 1053 | 148415 | 511 | 1743 |
| | 700 | 8 | - | - | - | 148365 | 360 | 1228 | 148416 | 596 | 2035 |
| | 800 | 8 | - | - | - | 148366 | 411 | 1404 | 148417 | 681 | 2325 |
| | 900 | 8 | - | - | - | 148367 | 463 | 1580 | 148418 | 767 | 2616 |
| | 1000 | 8 | - | - | - | 148368 | 514 | 1755 | 148419 | 852 | 2906 |
| | 1100 | 8 | - | - | - | 148369 | 566 | 1931 | 148420 | 937 | 3196 |
| | 1200 | 8 | - | - | - | 148370 | 617 | 2107 | 148421 | 1022 | 3488 |
| | 1400 | 8 | - | - | - | 148371 | 720 | 2458 | 148422 | 1193 | 4070 |
| | 1600 | 8 | - | - | - | 148372 | 823 | 2808 | 148423 | 1363 | 4649 |
| | 1800 | 8 | - | - | - | 148373 | 926 | 3159 | 148424 | 1533 | 5231 |
| | 2000 | 8 | - | - | - | 148374 | 1029 | 3511 | 148425 | 1704 | 5813 |
| | 2200 | 8 | - | - | - | 148375 | 1132 | 3862 | 148426 | 1874 | 6394 |
| | 2400 | 8 | - | - | - | 148376 | 1235 | 4214 | 148427 | 2045 | 6976 |
| | 2600 | 8 | - | - | - | 148377 | 1337 | 4563 | 148428 | 2215 | 7556 |
| | 2800 | 8 | - | - | - | 148378 | 1440 | 4915 | 148429 | 2385 | 8138 |
| | 3000 | 8 | - | - | - | 148379 | 1543 | 5266 | 148430 | 2555 | 8719 |
| 736 | 500 | 10 | - | - | - | 148380 | 312 | 1065 | 148431 | 539 | 1838 |
| | 600 | 10 | - | - | - | 148381 | 374 | 1277 | 148432 | 646 | 2205 |
| | 700 | 10 | - | - | - | 148382 | 437 | 1490 | 148433 | 754 | 2573 |
| | 800 | 10 | - | - | - | 148383 | 500 | 1704 | 148434 | 862 | 2942 |
| | 900 | 10 | - | - | - | 148384 | 562 | 1917 | 148435 | 970 | 3309 |
| | 1000 | 10 | - | - | - | 148385 | 624 | 2130 | 148436 | 1077 | 3676 |
| | 1100 | 10 | - | - | - | 148386 | 686 | 2342 | 148437 | 1185 | 4043 |
| | 1200 | 10 | - | - | - | 148387 | 749 | 2555 | 148438 | 1293 | 4411 |
| | 1400 | 10 | - | - | - | 148388 | 874 | 2982 | 148439 | 1508 | 5147 |
| | 1600 | 10 | - | - | - | 148389 | 999 | 3407 | 148440 | 1724 | 5881 |
| | 1800 | 10 | - | - | - | 148390 | 1124 | 3834 | 148441 | 1939 | 6618 |
| | 2000 | 10 | - | - | - | 148391 | 1248 | 4259 | 148442 | 2155 | 7352 |
| | 2200 | 10 | - | - | - | 148392 | 1373 | 4685 | 148443 | 2370 | 8087 |
| | 2400 | 10 | - | - | - | 148393 | 1498 | 5112 | 148444 | 2586 | 8823 |
| | 2600 | 10 | - | - | - | 148394 | 1623 | 5537 | 148445 | 2801 | 9557 |
| | 2800 | 10 | - | - | - | 148395 | 1748 | 5964 | 148446 | 3017 | 10294 |
| | 3000 | 10 | - | - | - | 148396 | 1873 | 6389 | 148447 | 3232 | 11028 |

**Please note:** All products over 2 metres wide will take 6 weeks to be delivered from date of order. When this product is ordered it cannot be cancelled.

# Stelrad Concord Range



Vertical

## Vertical 50 Δt (75/65/20°C)

| Height | Length mm | Elements | Heat output UIN | Watts | Btu/hr |
|---|---|---|---|---|---|
| 1800 | 440 | 6 | 148340 | 780 | 2661 |
| | 588 | 8 | 148341 | 1040 | 3548 |
| | 736 | 10 | 148342 | 1300 | 4436 |
| 2000 | 440 | 6 | 148343 | 870 | 2968 |
| | 588 | 8 | 148344 | 1160 | 3958 |
| | 736 | 10 | 148345 | 1450 | 4947 |

Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer).

## Vertical 40 Δt (65/55/20°C) 30 Δt (55/45/20°C)

| Height | Length mm | Elements | Heat output UIN | Watts | Btu/hr | Heat output UIN | Watts | Btu/hr |
|---|---|---|---|---|---|---|---|---|
| 1800 | 440 | 6 | 148340 | 583 | 1991 | 148340 | 402 | 1371 |
| | 588 | 8 | 148341 | 778 | 2654 | 148341 | 536 | 1827 |
| | 736 | 10 | 148342 | 972 | 3318 | 148342 | 670 | 2284 |
| 2000 | 440 | 6 | 148343 | 651 | 2220 | 148343 | 448 | 1529 |
| | 588 | 8 | 148344 | 868 | 2961 | 148344 | 597 | 2038 |
| | 736 | 10 | 148345 | 1085 | 3701 | 148345 | 747 | 2548 |



### Concord Plane & Lo-Line
### EN 442 Certification Data - CETIAT tested in accordance with BS EN 442

| Type | Lo-Line | | Single | | | Double | | |
|---|---|---|---|---|---|---|---|---|
| Height | 144 | 292 | 440 | 588 | 736 | 440 | 588 | 736 |
| W/m at 75/65/20 | 663 | 1122 | 764 | 999 | 1212 | 1346 | 1654 | 2092 |
| n-coefficients | 1.23 | 1.28 | 1.27 | 1.29 | 1.29 | 1.31 | 1.34 | 1.34 |
| Heated Surface Area (m²/m) | 2.47 | 5.12 | 4.9 | 6.58 | 6.92 | 7.71 | 10.37 | 11.06 |
| Weight (kg/m) | 12.57 | 25.05 | 18.23 | 25.01 | 31.98 | 32.79 | 45.01 | 57.44 |
| Water contents (l/m) | 1.77 | 3.57 | 2.68 | 3.54 | 4.43 | 5.31 | 7.09 | 8.86 |
| Wall to tap centre (mm) | 44 | 94 | 44 | 44 | 44 | 94 | 94 | 94 |

### Concord Vertical
### EN 442 Certification Data - CETIAT tested in accordance with BS EN 442

| Type | Vertical | | Slimline | |
|---|---|---|---|---|
| Height | 1800 | 2000 | 1800 | 2000 |
| W/m at 75/65/20 | 1770 | 1972 | 2725 | 3056 |
| n-coefficients | 1.31 | 1.31 | 1.30 | 1.31 |
| Heated Surface Area (m²/m) | 3.95 | 4.36 | 6.9 | 7.65 |
| Weight (kg/m) | 45.14 | 49.77 | 77.81 | 78.5 |
| Water Contents (l/m) | 9.68 | 10.64 | 17.5 | 19.25 |
| Wall to tap centre (mm) | 44 | 44 | 50 | 50 |

# Stelrad Concord Range

Slimline

## Slimline 50 Δt (75/65/20°C)

| Height | Length mm | Elements | Heat output UIN | Watts | Btu/hr |
|---|---|---|---|---|---|
| 1800 | 320 | 8 | 148300 | 872 | 2975 |
| | 440 | 11 | 148301 | 1199 | 4091 |
| | 520 | 13 | 148302 | 1417 | 4835 |
| | 640 | 16 | 148303 | 1744 | 5951 |
| 2000 | 320 | 8 | 148304 | 978 | 3337 |
| | 440 | 11 | 148305 | 1344 | 4586 |
| | 520 | 13 | 148306 | 1589 | 5422 |
| | 640 | 16 | 148307 | 1956 | 6674 |

Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer).

## Slimline 40 Δt (65/55/20°C) 30 Δt (55/45/20°C)

| Height | Length mm | Elements | Heat output UIN | Watts | Btu/hr | Heat output UIN | Watts | Btu/hr |
|---|---|---|---|---|---|---|---|---|
| 1800 | 320 | 8 | 148300 | 652 | 2225 | 148300 | 449 | 1532 |
| | 440 | 11 | 148301 | 897 | 3060 | 148301 | 617 | 2107 |
| | 520 | 13 | 148302 | 1060 | 3616 | 148302 | 730 | 2490 |
| | 640 | 16 | 148303 | 1305 | 4451 | 148303 | 898 | 3065 |
| 2000 | 320 | 8 | 148304 | 732 | 2496 | 148304 | 504 | 1719 |
| | 440 | 11 | 148305 | 1005 | 3430 | 148305 | 692 | 2362 |
| | 520 | 13 | 148306 | 1189 | 4055 | 148306 | 818 | 2792 |
| | 640 | 16 | 148307 | 1463 | 4992 | 148307 | 1007 | 3437 |

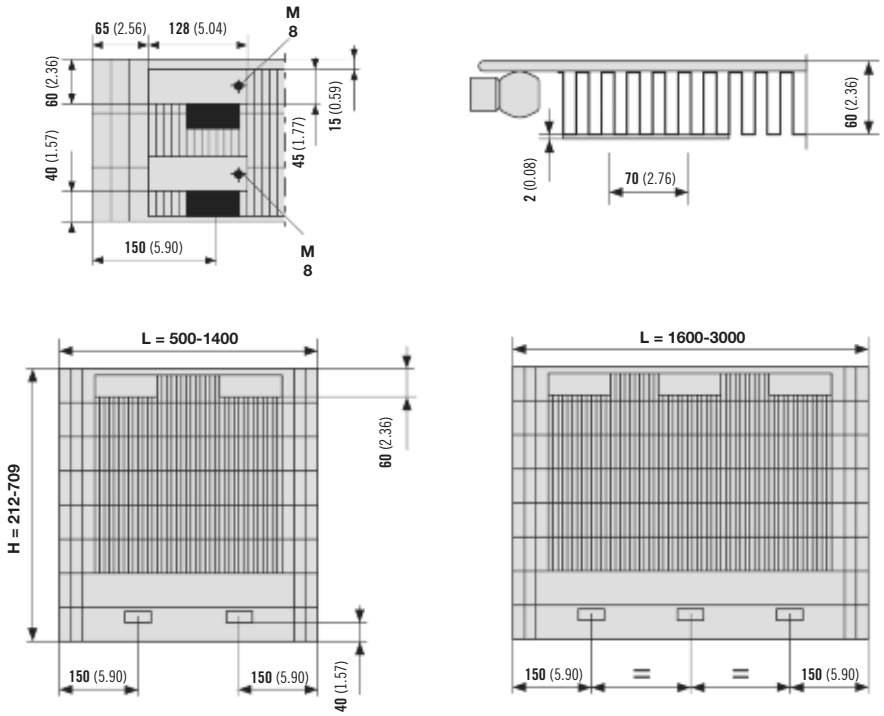
### Concord Slimline

### EN 442 Certification Data - CETIAT tested in accordance with BS EN 442

| Type | Vertical | | Slimline | |
|---|---|---|---|---|
| Height | 1800 | 2000 | 1800 | 2000 |
| W/m at 75/65/20 | 1770 | 1972 | 2725 | 3056 |
| n-coefficients | 1.31 | 1.31 | 1.30 | 1.31 |
| Heated Surface Area (m²/m) | 3.95 | 4.36 | 6.9 | 7.65 |
| Weight (kg/m) | 45.14 | 49.77 | 77.81 | 78.5 |
| Water Contents (l/m) | 9.68 | 10.64 | 17.5 | 19.25 |
| Wall to tap centre (mm) | 44 | 44 | 50 | 50 |

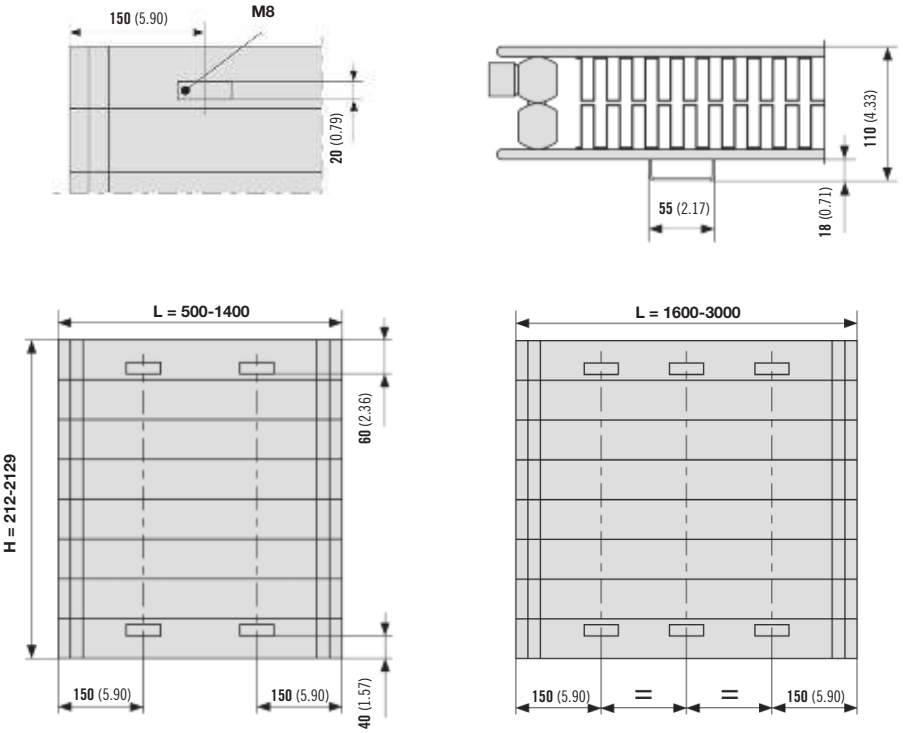
## Concord Plane Single fixing positions

All dimensions in mm. Inches in brackets.



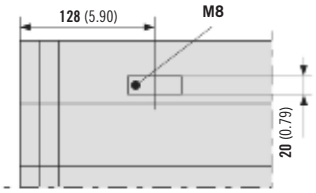

## Concord Plane Double fixing positions

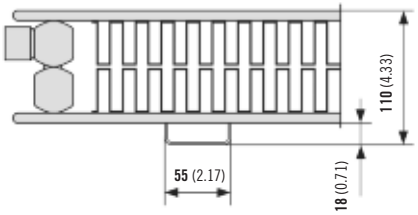
All dimensions in mm. Inches in brackets.

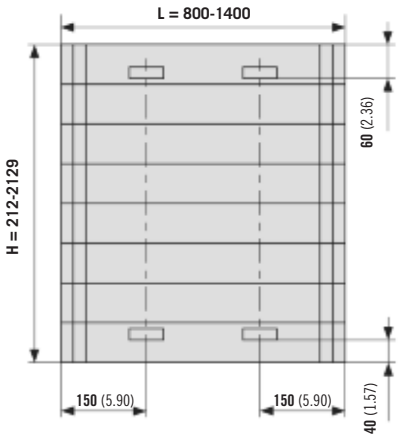


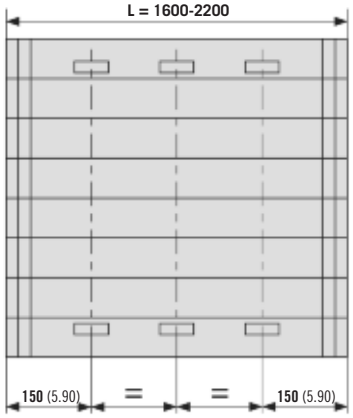
## Concord Lo-Line fixing positions

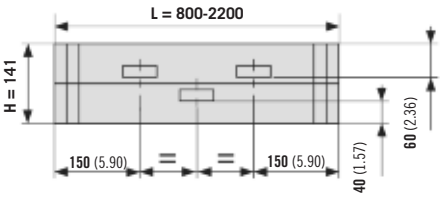
All dimensions in mm. Inches in brackets.



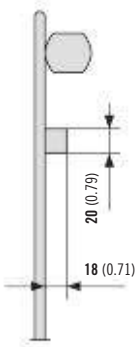



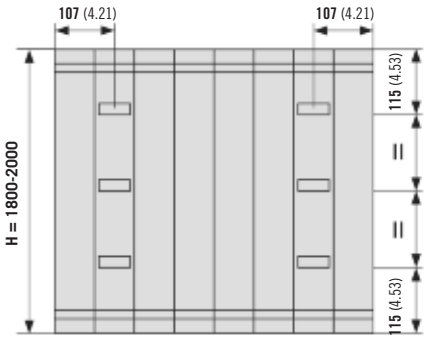

*Welded-on foot supports recommended

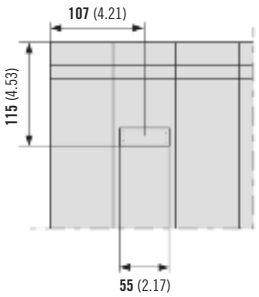
Concord Lo-Line 144mm has unique brackets.

## Concord Vertical fixing positions

All dimensions in mm. Inches in brackets.



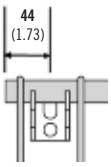



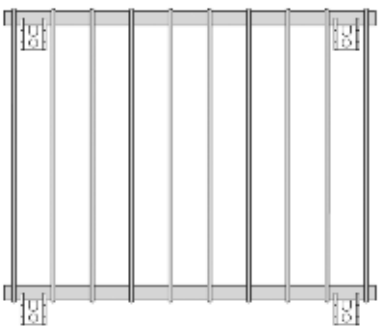




Hardware pack includes air vents, saddle clips & branding clips.

## Concord Slimline fixing positions

All dimensions in mm. Inches in brackets.

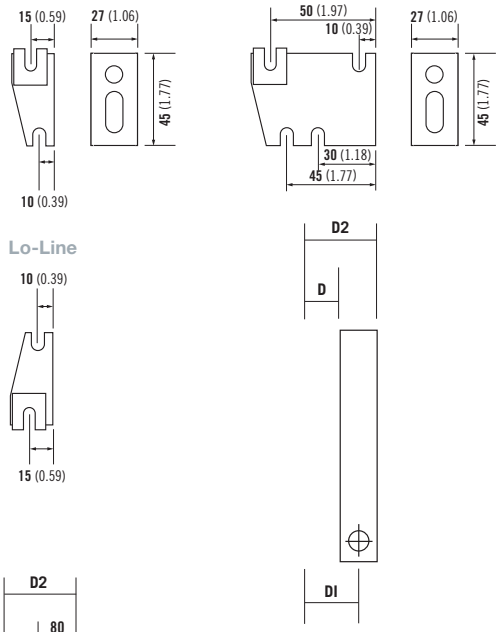


## Concord Plane Single, Concord Plane Double, Concord Lo-Line and Concord Vertical wall mounting information

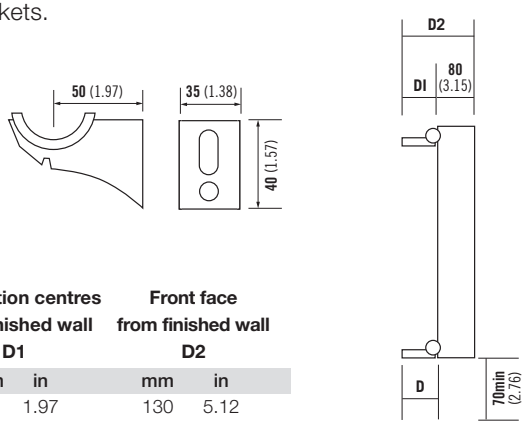
All dimensions in mm. Inches in brackets.

| Type | From back of radiator to wall D | | From wall to centre of connections D1 | | From front of radiator to wall D2 | |
|---|---|---|---|---|---|---|
| | mm | in | mm | in | mm | in |
| **Plane Single** | 9 | 0.35 | 44 | 1.73 | 69 | 2.72 |
| **Plane Double** | 27 | 1.06 | 94 | 3.70 | 119 | 4.69 |
| **Vertical** | 25 | 0.98 | 44 | 1.73 | 70 | 2.76 |



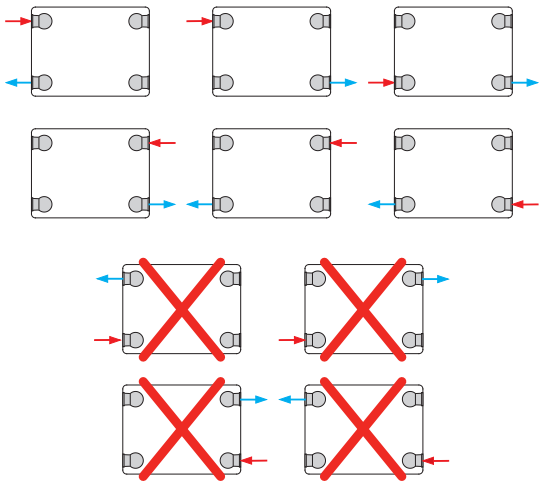

## Concord Slimline wall mounting information

All dimensions in mm. Inches in brackets.



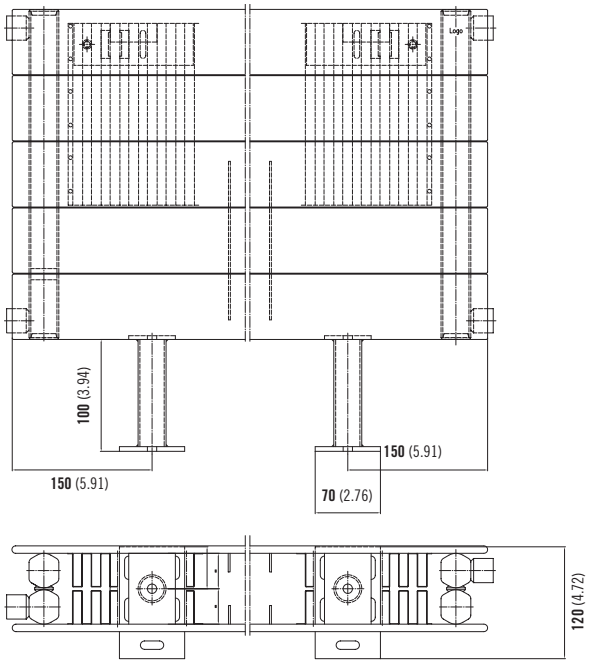

| Type | Back face to finished wall D | | Connection centres from finished wall D1 | | Front face from finished wall D2 | |
|---|---|---|---|---|---|---|
| | mm | in | mm | in | mm | in |
| **Slimline** | 35 | 1.38 | 50 | 1.97 | 130 | 5.12 |

## Concord piping options



## Concord Plane and Lo-Line floor mounting positions

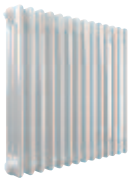
All dimensions in mm. Inches in brackets. Must be specified at time of ordering as they are securely welded during manufacture.




Floor mounting brackets illustration.

This is a made to order product and once ordered it cannot be cancelled.

# Stelrad Classic Column Range Horizontal

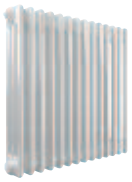


## 50 Δt (75/65/20°C)

| Height | Length mm | Columns | UIN | Heat output Watts | Btu/hr |
|---|---|---|---|---|---|
| 300 | 444 | 3 | 163000 | 288 | 983 |
| | 628 | 3 | 163001 | 416 | 1419 |
| | 858 | 3 | 163002 | 576 | 1965 |
| | 1042 | 3 | 163003 | 704 | 2402 |
| | 1272 | 3 | 163004 | 864 | 2948 |
| | 1456 | 3 | 163005 | 992 | 3385 |
| | 1870 | 3 | 163006 | 1280 | 4367 |
| | 444 | 4 | 163007 | 377 | 1286 |
| | 628 | 4 | 163008 | 545 | 1860 |
| | 858 | 4 | 163009 | 754 | 2573 |
| | 1042 | 4 | 163010 | 922 | 3146 |
| | 1272 | 4 | 163011 | 1131 | 3861 |
| 500 | 628 | 2 | 163012 | 499 | 1703 |
| | 858 | 2 | 163013 | 691 | 2358 |
| | 1042 | 2 | 163014 | 845 | 2883 |
| | 1272 | 2 | 163015 | 1037 | 3538 |
| | 444 | 3 | 163016 | 464 | 1585 |
| | 628 | 3 | 163017 | 671 | 2289 |
| | 858 | 3 | 163018 | 929 | 3170 |
| | 1042 | 3 | 163019 | 1135 | 3873 |
| | 1272 | 3 | 163020 | 1393 | 4755 |
| | 1456 | 3 | 163021 | 1600 | 5459 |
| | 1870 | 3 | 163022 | 2064 | 7044 |
| | 444 | 4 | 163023 | 608 | 2074 |
| | 628 | 4 | 163024 | 879 | 2999 |
| | 858 | 4 | 163025 | 1217 | 4152 |
| | 1042 | 4 | 163026 | 1487 | 5074 |
| | 1272 | 4 | 163027 | 1825 | 6227 |
| 600 | 628 | 2 | 163028 | 589 | 2010 |
| | 858 | 2 | 163029 | 815 | 2781 |
| | 1042 | 2 | 163030 | 997 | 3402 |
| | 1272 | 2 | 163031 | 1223 | 4173 |
| | 444 | 3 | 163032 | 548 | 1870 |
| | 628 | 3 | 163033 | 792 | 2702 |
| | 858 | 3 | 163034 | 1096 | 3740 |
| | 1042 | 3 | 163035 | 1340 | 4572 |
| | 1272 | 3 | 163036 | 1644 | 5612 |
| | 1456 | 3 | 163037 | 1888 | 6442 |
| | 1870 | 3 | 163038 | 2436 | 8312 |
| | 444 | 4 | 163039 | 718 | 2450 |
| | 628 | 4 | 163040 | 1037 | 3538 |
| | 858 | 4 | 163041 | 1436 | 4900 |
| | 1042 | 4 | 163042 | 1756 | 5991 |
| | 1272 | 4 | 163043 | 2155 | 7353 |
| 750 | 858 | 3 | 163044 | 1337 | 4562 |
| | 1042 | 3 | 163045 | 1635 | 5579 |
| | 1272 | 3 | 163046 | 2006 | 6844 |
| | 1456 | 3 | 163047 | 2303 | 7861 |
| | 1870 | 3 | 163048 | 2972 | 10140 |
| | 444 | 4 | 163049 | 877 | 2992 |
| | 628 | 4 | 163050 | 1266 | 4320 |
| | 858 | 4 | 163051 | 1753 | 5981 |
| | 1042 | 4 | 163052 | 2143 | 7312 |
| | 1272 | 4 | 163053 | 2630 | 8974 |

**Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer).**

# Stelrad Classic Column Range Horizontal



| Height | Length mm | Columns | 40 Δt (65/55/20°C) Heat output | | | 30 Δt (55/45/20°C) Heat output | | |
|---|---|---|---|---|---|---|---|---|
| | | | UIN | Watts | Btu/hr | UIN | Watts | Btu/hr |
| 300 | 444 | 3 | 163000 | 215 | 735 | 163000 | 148 | 506 |
| | 628 | 3 | 163001 | 311 | 1062 | 163001 | 214 | 731 |
| | 858 | 3 | 163002 | 431 | 1470 | 163002 | 297 | 1012 |
| | 1042 | 3 | 163003 | 527 | 1797 | 163003 | 363 | 1237 |
| | 1272 | 3 | 163004 | 646 | 2205 | 163004 | 445 | 1518 |
| | 1456 | 3 | 163005 | 742 | 2532 | 163005 | 511 | 1743 |
| | 1870 | 3 | 163006 | 957 | 3267 | 163006 | 659 | 2249 |
| | 444 | 4 | 163007 | 282 | 962 | 163007 | 194 | 662 |
| | 628 | 4 | 163008 | 408 | 1391 | 163008 | 281 | 958 |
| | 858 | 4 | 163009 | 564 | 1924 | 163009 | 388 | 1325 |
| | 1042 | 4 | 163010 | 690 | 2353 | 163010 | 475 | 1620 |
| | 1272 | 4 | 163011 | 846 | 2887 | 163011 | 582 | 1987 |
| 500 | 628 | 2 | 163012 | 373 | 1274 | 163012 | 257 | 877 |
| | 858 | 2 | 163013 | 517 | 1764 | 163013 | 356 | 1214 |
| | 1042 | 2 | 163014 | 632 | 2157 | 163014 | 435 | 1485 |
| | 1272 | 2 | 163015 | 776 | 2647 | 163015 | 534 | 1822 |
| | 444 | 3 | 163016 | 347 | 1184 | 163016 | 239 | 815 |
| | 628 | 3 | 163017 | 502 | 1713 | 163017 | 346 | 1179 |
| | 858 | 3 | 163018 | 695 | 2371 | 163018 | 478 | 1632 |
| | 1042 | 3 | 163019 | 849 | 2897 | 163019 | 585 | 1994 |
| | 1272 | 3 | 163020 | 1042 | 3555 | 163020 | 717 | 2448 |
| | 1456 | 3 | 163021 | 1197 | 4083 | 163021 | 824 | 2811 |
| | 1870 | 3 | 163022 | 1544 | 5268 | 163022 | 1063 | 3627 |
| | 444 | 4 | 163023 | 455 | 1552 | 163023 | 313 | 1068 |
| | 628 | 4 | 163024 | 657 | 2243 | 163024 | 453 | 1545 |
| | 858 | 4 | 163025 | 910 | 3106 | 163025 | 627 | 2138 |
| | 1042 | 4 | 163026 | 1112 | 3795 | 163026 | 766 | 2613 |
| | 1272 | 4 | 163027 | 1365 | 4658 | 163027 | 940 | 3207 |
| 600 | 628 | 2 | 163028 | 441 | 1503 | 163028 | 303 | 1035 |
| | 858 | 2 | 163029 | 610 | 2080 | 163029 | 420 | 1432 |
| | 1042 | 2 | 163030 | 746 | 2545 | 163030 | 513 | 1752 |
| | 1272 | 2 | 163031 | 915 | 3121 | 163031 | 630 | 2149 |
| | 444 | 3 | 163032 | 410 | 1399 | 163032 | 282 | 963 |
| | 628 | 3 | 163033 | 592 | 2021 | 163033 | 408 | 1392 |
| | 858 | 3 | 163034 | 820 | 2797 | 163034 | 564 | 1926 |
| | 1042 | 3 | 163035 | 1002 | 3420 | 163035 | 690 | 2355 |
| | 1272 | 3 | 163036 | 1230 | 4196 | 163036 | 847 | 2889 |
| | 1456 | 3 | 163037 | 1412 | 4819 | 163037 | 972 | 3318 |
| | 1870 | 3 | 163038 | 1822 | 6217 | 163038 | 1255 | 4280 |
| | 444 | 4 | 163039 | 537 | 1832 | 163039 | 370 | 1262 |
| | 628 | 4 | 163040 | 776 | 2647 | 163040 | 534 | 1822 |
| | 858 | 4 | 163041 | 1074 | 3665 | 163041 | 740 | 2523 |
| | 1042 | 4 | 163042 | 1313 | 4482 | 163042 | 904 | 3086 |
| | 1272 | 4 | 163043 | 1612 | 5500 | 163043 | 1110 | 3787 |
| 750 | 858 | 3 | 163044 | 1000 | 3412 | 163044 | 689 | 2349 |
| | 1042 | 3 | 163045 | 1223 | 4173 | 163045 | 842 | 2873 |
| | 1272 | 3 | 163046 | 1500 | 5120 | 163046 | 1033 | 3525 |
| | 1456 | 3 | 163047 | 1723 | 5878 | 163047 | 1186 | 4047 |
| | 1870 | 3 | 163048 | 2223 | 7585 | 163048 | 1531 | 5222 |
| | 444 | 4 | 163049 | 656 | 2238 | 163049 | 452 | 1541 |
| | 628 | 4 | 163050 | 947 | 3231 | 163050 | 652 | 2225 |
| | 858 | 4 | 163051 | 1311 | 4474 | 163051 | 903 | 3080 |
| | 1042 | 4 | 163052 | 1603 | 5469 | 163052 | 1104 | 3766 |
| | 1272 | 4 | 163053 | 1967 | 6712 | 163053 | 1354 | 4621 |

# Stelrad Classic Column Range Vertical

## 50 Δt (75/65/20°C)

| Height | Length mm | Columns | Heat output UIN | Watts | Btu/hr |
|---|---|---|---|---|---|
| 1800 | 352 | 2 | 163054 | 868 | 2962 |
| | 444 | 2 | 163055 | 1116 | 3808 |
| 2000 | 352 | 2 | 163056 | 966 | 3296 |
| | 444 | 2 | 163057 | 1242 | 4238 |
| 2500 | 352 | 2 | 163058 | 1197 | 4084 |
| | 444 | 2 | 163059 | 1539 | 5251 |

Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer).

## 40 Δt (65/55/20°C) 30 Δt (55/45/20°C)

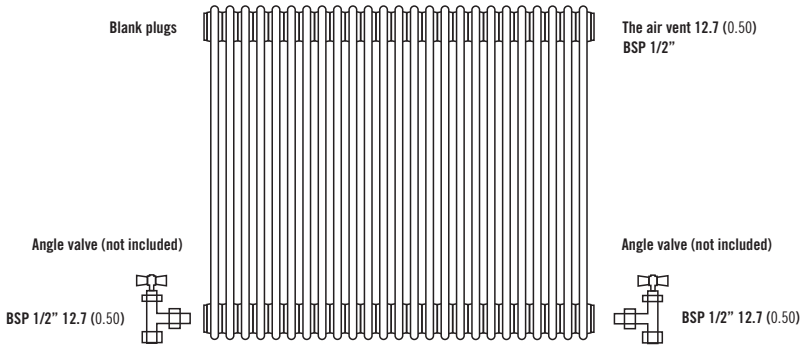
| Height | Length mm | Columns | Heat output UIN | Watts | Btu/hr | Heat output UIN | Watts | Btu/hr |
|---|---|---|---|---|---|---|---|---|
| 1800 | 352 | 2 | 163054 | 649 | 2215 | | 447 | 1525 |
| | 444 | 2 | 163055 | 835 | 2848 | | 575 | 1961 |
| 2000 | 352 | 2 | 163056 | 723 | 2465 | | 497 | 1697 |
| | 444 | 2 | 163057 | 929 | 3170 | | 640 | 2182 |
| 2500 | 352 | 2 | 163058 | 895 | 3055 | | 616 | 2103 |
| | 444 | 2 | 163059 | 1151 | 3928 | | 793 | 2704 |

### EN 442 Certification Data - CETIAT tested in accordance with BS EN 442

| Type | 2 Columns | | | | | 3 Columns | | | | 4 Columns | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Height | 500 | 600 | 1800 | 2000 | 2500 | 300 | 500 | 600 | 750 | 300 | 500 | 600 | 750 |
| W/m at 75/65/20 | 835 | 985 | 2696 | 3000 | 3717 | 696 | 1122 | 1324 | 1615 | 911 | 1469 | 1734 | 2117 |
| n-coefficients | 1.25 | 1.25 | 1.31 | 1.31 | 1.3 | 1.25 | 1.25 | 1.26 | 1.26 | 1.25 | 1.26 | 1.27 | 1.27 |
| Heated Surface Area (m²/m) | 1.52 | 1.96 | 6.09 | 6.74 | 8.48 | 1.52 | 2.39 | 3.04 | 3.7 | 1.96 | 3.26 | 4.13 | 5 |
| Weight (kg/m) | 17.39 | 21.74 | 58.7 | 65.22 | 80.43 | 15.22 | 26.09 | 30.43 | 36.96 | 21.74 | 36.96 | 43.48 | 54.35 |
| Water Contents (l/m) | 10.87 | 13.04 | 32.61 | 36.96 | 44.72 | 13.04 | 17.39 | 19.57 | 23.91 | 15.22 | 21.74 | 26.09 | 30.43 |
| Wall to tap centre (mm) | 54 / 59 | 54 / 59 | 54 / 59 | 54 / 59 | 54 / 59 | 73 / 78 | 73 / 78 | 73 / 78 | 73 / 78 | 91 / 96 | 91 / 96 | 91 / 96 | 91 / 96 |

## Classic Column typical valve installation

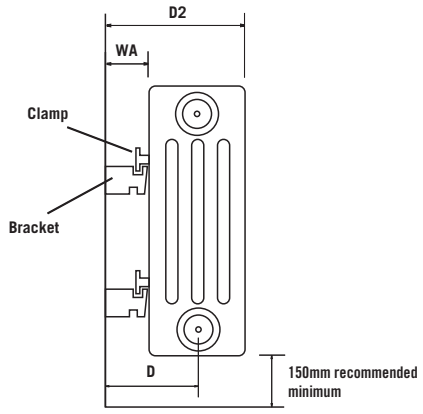
All dimensions in mm. Inches in brackets.




**Note: Factory fitted bushes are welded in place and not removable.**
**If installing TBOE (Top Bottom Opposite End) please note that the radiator MUST be inverted.**

## Classic Column typical bracket installation

All dimensions in mm.




**Measurements using 10mm CVD Brackets Slot**
Add 5mm if using 15mm Slot

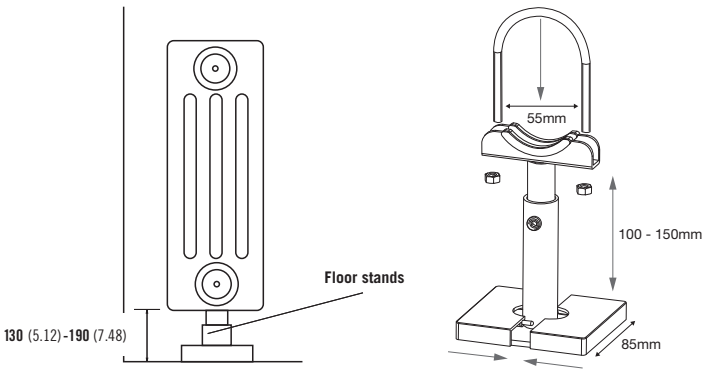
| | WA | D | D2 |
|---|---|---|---|
| **2 Col** | 23 | 54 | 85 |
| **3 Col** | 23 | 73 | 123 |
| **4 Col** | 23 | 91 | 159 |

**Brackets and Clamps Required**

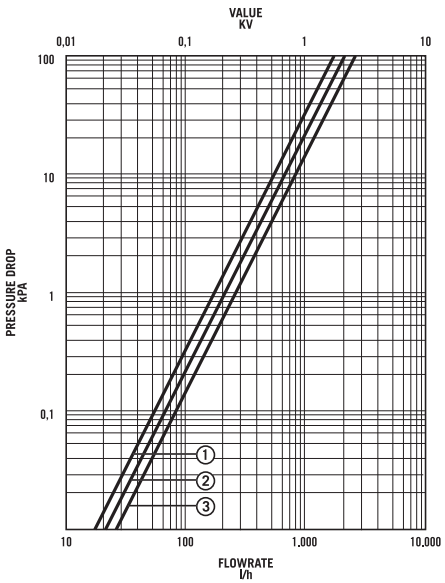
| | No of Sections |
|---|---|
| **4** | 0 - 23 |
| **6** | 24 - 41 |

## Classic Column optional floor mounting brackets

All dimensions in mm. Inches in brackets.




## Pressure drops




1 2 Column (P1), 11 (K1)
2 3 Column (P+), 22 (K2)
3 4 Column (K3)

# Stelrad Swing

## 50Δt (75/65/20°C) P+ K2

| Height | Emitter length mm | Casing length mm | UIN | Heat output Watts | Heat output Btu/hr | Casing length mm | UIN | Heat output Watts | Heat output Btu/hr |
|---|---|---|---|---|---|---|---|---|---|
| 1820 | 400 | 504 | 38418210 | 1224 | 4176 | 527 | 38418220 | 1476 | 5036 |
| | 500 | 604 | 38518210 | 1530 | 5220 | 627 | 38518220 | 1845 | 6295 |
| | 600 | 704 | 38618210 | 1836 | 6264 | 727 | 38618220 | 2214 | 7554 |
| 2020 | 400 | 504 | 38420210 | 1308 | 4463 | 527 | 38420220 | 1584 | 5405 |
| | 500 | 604 | 38520210 | 1635 | 5579 | 627 | 38520220 | 1980 | 6756 |
| | 600 | 704 | 38620210 | 1962 | 6694 | 727 | 38620220 | 2376 | 8107 |

Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer).

## 40Δt (65/55/20°C) P+ K2

| Height | Emitter length mm | Casing length mm | UIN | Heat output Watts | Heat output Btu/hr | Casing length mm | UIN | Heat output Watts | Heat output Btu/hr |
|---|---|---|---|---|---|---|---|---|---|
| 1820 | 400 | 504 | 38418210 | 863 | 2943 | 527 | 38418220 | 1040 | 3549 |
| | 500 | 604 | 38518210 | 1078 | 3679 | 627 | 38518220 | 1300 | 4437 |
| | 600 | 704 | 38618210 | 1294 | 4415 | 727 | 38618220 | 1560 | 5324 |
| 2020 | 400 | 504 | 38420210 | 922 | 3146 | 527 | 38420220 | 1116 | 3809 |
| | 500 | 604 | 38520210 | 1152 | 3932 | 627 | 38520220 | 1396 | 4762 |
| | 600 | 704 | 38620210 | 1383 | 4718 | 727 | 38620220 | 1675 | 5714 |

## 30Δt (55/45/20°C) P+ K2

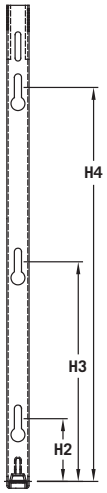
| Height | Emitter length mm | Casing length mm | UIN | Heat output Watts | Heat output Btu/hr | Casing length mm | UIN | Heat output Watts | Heat output Btu/hr |
|---|---|---|---|---|---|---|---|---|---|
| 1820 | 400 | 504 | 38418210 | 630 | 2151 | 527 | 38418220 | 760 | 2594 |
| | 500 | 604 | 38518210 | 788 | 2688 | 627 | 38518220 | 950 | 3242 |
| | 600 | 704 | 38618210 | 945 | 3226 | 727 | 38618220 | 1140 | 3890 |
| 2020 | 400 | 504 | 38420210 | 674 | 2298 | 527 | 38420220 | 816 | 2784 |
| | 500 | 604 | 38520210 | 842 | 2873 | 627 | 38520220 | 1020 | 3479 |
| | 600 | 704 | 38620210 | 1010 | 3447 | 727 | 38620220 | 1224 | 4175 |

### EN 442 Certification Data - CETIAT tested in accordance with BS EN 442

| Type | P+ | | K2 | |
|---|---|---|---|---|
| Height | 1820 | 2020 | 1820 | 2020 |
| W/m at 75/65/20 | 3060 | 3270 | 3690 | 3960 |
| n-coefficients | 1.30 | 1.30 | 1.33 | 1.33 |
| Heated Surface Area (m²/m) | 13.58 | 16.20 | 29.90 | 37.74 |
| Weight (kg/m) | 96.00 | 106.20 | 105.30 | 116.40 |
| Water Contents (l/m) | 15.90 | 17.70 | 15.90 | 17.70 |
| Wall to tap centre (mm) | 65 | 65 | 77 | 77 |

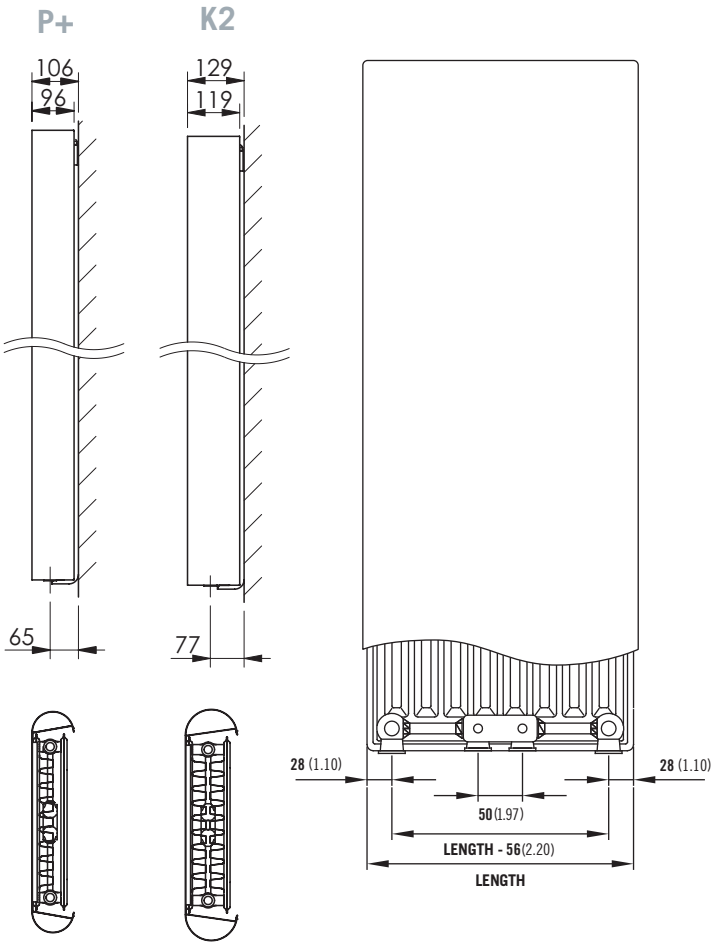
## Stelrad Swing mounting brackets

| Height | | H2 | | H3 | | H4 | |
|---|---|---|---|---|---|---|---|
| mm | in | mm | in | mm | in | mm | in |
| 1800 | 70.87 | 70 | 2.75 | 830 | 43.89 | 1590 | 63.58 |
| 2000 | 78.74 | 70 | 2.75 | 930 | 47.83 | 1790 | 71.46 |



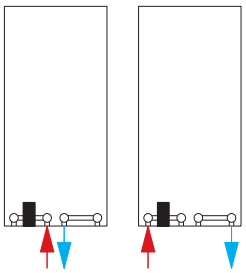

## Stelrad Swing wall mounting information

All dimensions in mm. Inches in brackets.



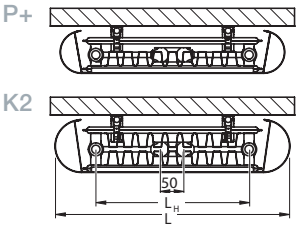

Comes complete with Stelrad's class leading safety bracket.

## Swing piping options



Display:
Front
of radiator

### Tapping Centres




| L - P+ mm | L - K2 mm | LH mm |
|---|---|---|
| 504 | 527 | 344 |
| 604 | 627 | 444 |
| 704 | 727 | 544 |

# Stelrad Caliente Vertical



## 50 Δt (75/65/20°C)

| Height | Length mm | Elements | Single Tube Heat output UIN | Watts | Btu/hr | Double Tube Heat output UIN | Watts | Btu/hr |
|---|---|---|---|---|---|---|---|---|
| 1200 | 330 | 10 | 401211330 | 485 | 1655 | - | - | - |
| | 495 | 15 | 401211495 | 727 | 2481 | - | - | - |
| 1800 | 330 | 10 | 401811330 | 702 | 2395 | - | - | - |
| | 429 | 13 | 401811429 | 912 | 3112 | - | - | - |
| | 495 | 15 | - | - | - | 401822495 | 1590 | 5425 |
| | 528 | 16 | 401811528 | 1123 | 3832 | - | - | - |
| | 660 | 20 | 401811660 | 1404 | 4790 | 401822660 | 2120 | 7233 |
| | 726 | 22 | 401811726 | 1544 | 5268 | - | - | - |

**Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer).**

## 40 Δt (65/55/20°C) — 30 Δt (55/45/20°C)

| Height | Length mm | Elements | 40 Δt Single Tube Heat output UIN | Watts | Btu/hr | 40 Δt Double Tube Heat output UIN | Watts | Btu/hr | 30 Δt Single Tube Heat output UIN | Watts | Btu/hr | 30 Δt Double Tube Heat output UIN | Watts | Btu/hr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1200 | 330 | 10 | 401211330 | 281 | 1238 | - | - | - | 401211330 | 250 | 852 | - | - | - |
| | 495 | 15 | 401211495 | 421 | 1855 | - | - | - | 401211495 | 374 | 1277 | - | - | - |
| 1800 | 330 | 10 | 401811330 | 406 | 1792 | - | - | - | 401811330 | 362 | 1234 | - | - | - |
| | 429 | 13 | 401811429 | 528 | 2328 | - | - | - | 401811429 | 470 | 1603 | - | - | - |
| | 495 | 15 | - | - | - | 401822495 | 920 | 4058 | - | - | - | 401822495 | 819 | 2794 |
| | 528 | 16 | 401811528 | 650 | 2866 | - | - | - | 401811528 | 578 | 1973 | - | - | - |
| | 660 | 20 | 401811660 | 812 | 3583 | 401822660 | 1226 | 5411 | 401811660 | 723 | 2467 | 401822660 | 1092 | 3725 |
| | 726 | 22 | 401811726 | 893 | 3941 | - | - | - | 401811726 | 795 | 2713 | - | - | - |



### EN 442 Certification Data - CETIAT tested in accordance with BS EN 442

| Type | Single | | Double |
|---|---|---|---|
| Height | 1200 | 1800 | 1800 |
| W/m at 75/65/20 | 1470 | 2126 | 3212 |
| n-coefficients | 1.27 | 1.28 | 10.28 |
| Heated surface area (m2/m) | 2.28 | 3.43 | 6.85 |
| Weight (kg/m) | 23.33 | 33.64 | 64.85 |
| Water contents (l/m) | 10.61 | 15.15 | 28.18 |
| Tapping Centres from wall | 38 | 38 | 70 |

# Stelrad Caliente Horizontal

## 50 Δt (75/65/20°C)

| Height | Length mm | Elements | Single Tube UIN | Single Tube Heat output Watts | Single Tube Heat output Btu/hr | Double Tube UIN | Double Tube Heat output Watts | Double Tube Heat output Btu/hr |
|---|---|---|---|---|---|---|---|---|
| 594 | 800 | 18 | 405911800 | 626 | 2136 | 405922800 | 969 | 3306 |
| | 1000 | 18 | 405911100 | 782 | 2668 | 405922100 | 1211 | 4132 |
| | 1200 | 18 | 405911120 | 938 | 3200 | - | - | - |
| | 1400 | 18 | 405911140 | 1095 | 3736 | - | - | - |

Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer).

## 40 Δt (65/55/20°C)

## 30 Δt (55/45/20°C)

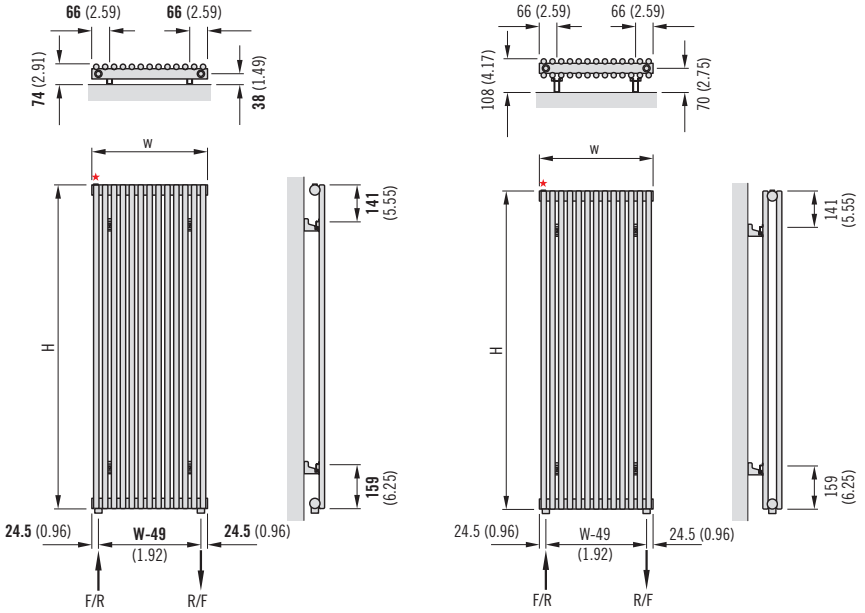
| Height | Length mm | Elements | Single Tube UIN | Single Tube Heat output Watts | Single Tube Heat output Btu/hr | Double Tube UIN | Double Tube Heat output Watts | Double Tube Heat output Btu/hr | Single Tube UIN | Single Tube Heat output Watts | Single Tube Heat output Btu/hr | Double Tube UIN | Double Tube Heat output Watts | Double Tube Heat output Btu/hr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 594 | 800 | 18 | 405911800 | 468 | 1598 | 405922800 | 724 | 2473 | 405911800 | 322 | 1100 | 405922800 | 499 | 1703 |
| | 1000 | 18 | 405911100 | 584 | 1996 | 405922100 | 905 | 3091 | 405911100 | 403 | 1374 | 405922100 | 624 | 2128 |
| | 1200 | 18 | 405911120 | 701 | 2394 | - | - | - | 405911120 | 483 | 1648 | - | - | - |
| | 1400 | 18 | 405911140 | 819 | 2795 | - | - | - | 405911140 | 564 | 1924 | - | - | - |

### EN 442 Certification Data - CETIAT tested in accordance with BS EN 442

| Type | Single | Double |
|---|---|---|
| Height | 594 | 594 |
| W/m at 75/65/20 | 782 | 1210 |
| n-coefficients | 1.25 | 1.26 |
| Heated surface area (m2/m) | 1.13 | 2.26 |
| Weight (kg/m) | 12.2 | 22.6 |
| Water contents (l/m) | 5.49 | 12.47 |
| Tapping Centres from wall | 38 | 70 |

# Caliente wall mounting information

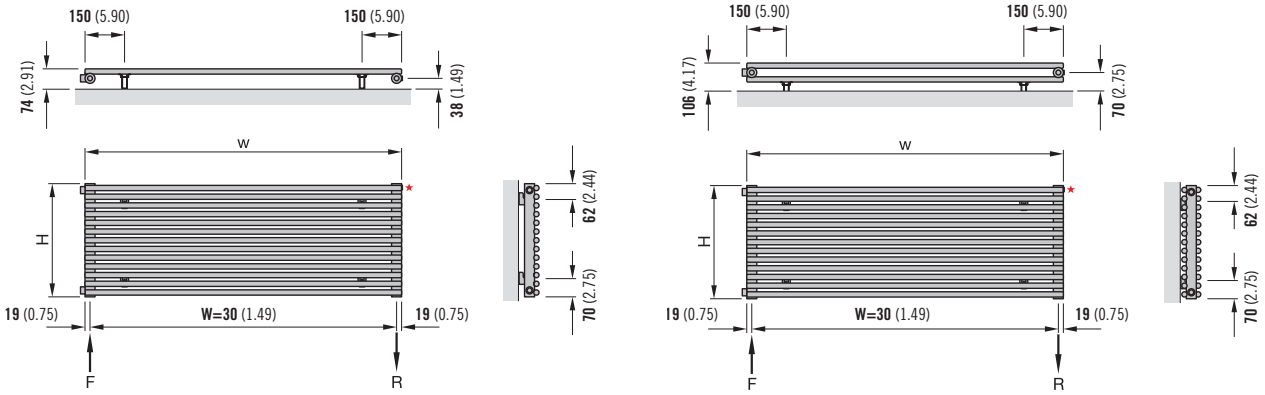
All dimensions in mm. Inches in brackets.




**Product Specification**

| |
|---|
| Tube diameter = Ø20mm and Ø38mm |
| Steel thickness = 1.25mm for Ø20 ; 1.4mm for Ø38 |
| Working pressure = 4 bar |
| Operating temp = 110° max |

★ Air vents




STELRAD'S ADVANCED HEATLOSS CALCULATOR

The Stelrad STARS Heatloss Calculator contains an inbuilt U value calculator.

Save time and effort by using the Stelrad STARS program - the perfect solution for accurate sizing and design flexibility.

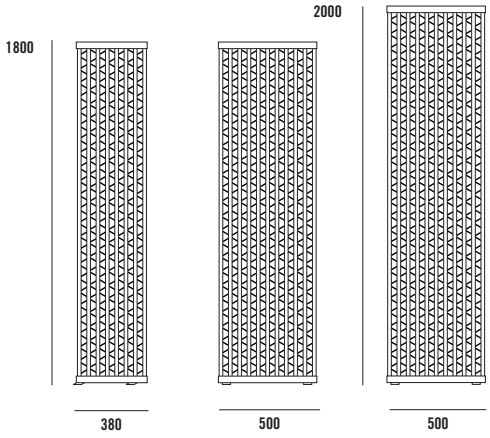
**Visit www.starsapp.co.uk**

# Stelrad Excel

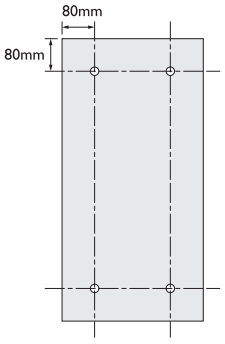
## 50 Δt (75/65/20°C) Floor Mounted Wall Mounted

| Height | Length mm | Max Projection mm | UIN | Heat output Watts | Heat output Btu/hr | Max Projection mm | UIN | Heat output Watts | Heat output Btu/hr |
|---|---|---|---|---|---|---|---|---|---|
| 1800 | 380 | 60 | 147145 | 727 | 2481 | 60 | 147040 | 727 | 2481 |
| | 500 | 60 | 147180 | 957 | 3266 | 60 | 147075 | 957 | 3266 |
| 2000 | - | - | - | - | - | - | - | - | - |
| | 500 | 60 | 147215 | 1048 | 3577 | 60 | 147110 | 1048 | 3577 |

Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer).




### Brackets positions



# Stelrad Arc & Wave

## 50 Δt (75/65/20°C) Arc

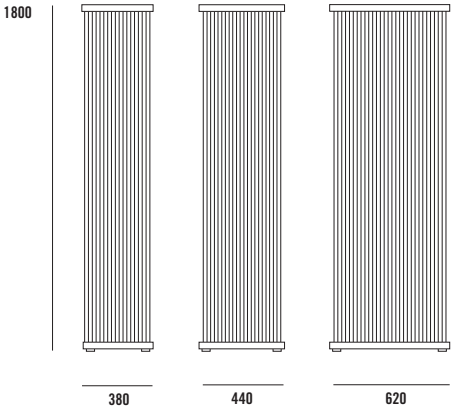
| Height | Length mm | Max Projection mm | UIN | Heat output Watts | Heat output Btu/hr |
|---|---|---|---|---|---|
| 1800 | 380 | 200 | 147037 | 882 | 3010 |
| | 440 | 200 | 147038 | 1021 | 3484 |
| | 620 | 200 | 147039 | 1438 | 4908 |

## 50 Δt (75/65/20°C) Wave

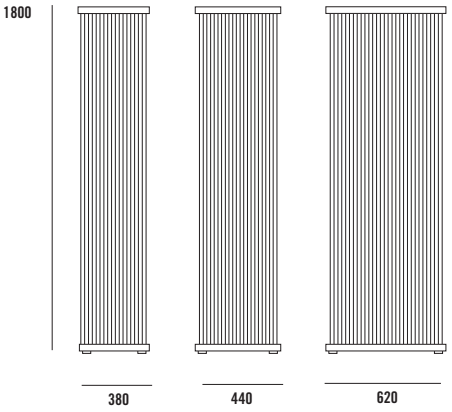
| Height | Length mm | Max Projection mm | UIN | Heat output Watts | Heat output Btu/hr |
|---|---|---|---|---|---|
| 1800 | 380 | 200 | 147034 | 882 | 3010 |
| | 440 | 200 | 147035 | 1021 | 3484 |
| | 620 | 200 | 147036 | 1438 | 4908 |

**Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer).**

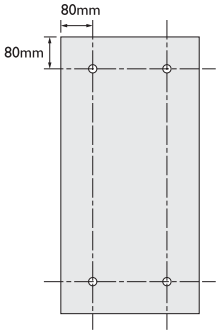
### Arc




### Wave



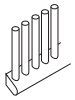

### Brackets positions for both Arc and Wave

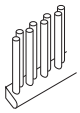


# Stelrad Vistaline



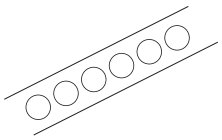
## 50 Δt (75/65/20°C)

2 

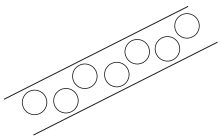
3 

| Height | Length mm | Max Projection mm | Heat output UIN | Watts | Btu/hr | Max Projection mm | Heat output UIN | Watts | Btu/hr |
|---|---|---|---|---|---|---|---|---|---|
| 1800 | 320 | 60 | 147250 | 742 | 2532 | 66 | 147460 | 818 | 2792 |
| | 440 | 60 | 147285 | 1021 | 3484 | 66 | 147495 | 1130 | 3856 |
| | 620 | 60 | 147320 | 1438 | 4908 | 66 | 147530 | 1597 | 5450 |
| 2000 | 500 | 60 | 147355 | 1275 | 4351 | 66 | 147565 | 1415 | 4829 |
| | 620 | 60 | 147390 | 1580 | 5392 | 66 | 147600 | 1758 | 6000 |
| | 740 | 60 | 147425 | 1886 | 6437 | 66 | - | - | - |

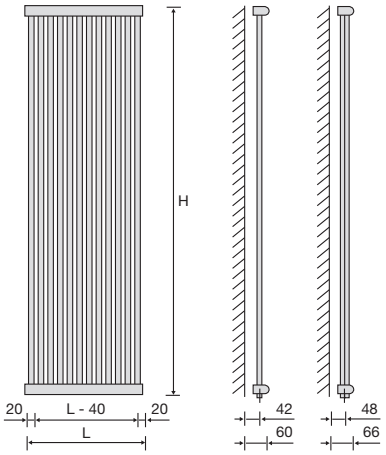
**Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer).**



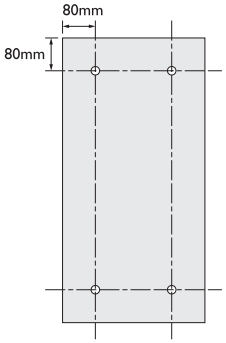
Vistaline 2
Single row



Vistaline 3
Double offset row



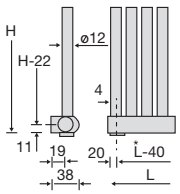

### Brackets positions



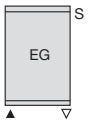

### Tapping centre for the Vistaline

**L - 40mm**
Perpendicular
to the manifold

**H - 22mm** (± 2mm)
In line with the manifold
*Coupling protudes
10mm



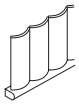

**Standard fitting**
**EG ø ½"**

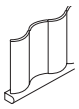


# Stelrad Ellipse



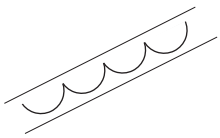
## 50 Δt (75/65/20°C)

EH 

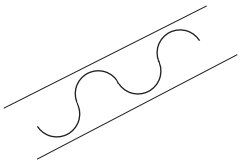
EOH 

| Height | Length mm | Max Projection mm | UIN | Heat output Watts | Heat output Btu/hr | Max Projection mm | UIN | Heat output Watts | Heat output Btu/hr |
|---|---|---|---|---|---|---|---|---|---|
| 1800 | 459 | 65 | 147635 | 858 | 2928 | 65 | 147810 | 858 | 2928 |
| | 689 | 65 | 147670 | 1287 | 4392 | 65 | 147845 | 1287 | 4392 |
| 2000 | 459 | 65 | 147705 | 954 | 3256 | 65 | 147880 | 954 | 3256 |
| | 689 | 65 | 147740 | 1431 | 4884 | 65 | 147915 | 1431 | 4884 |
| | 765 | 65 | 147775 | 1590 | 5426 | 65 | 147950 | 1590 | 5426 |

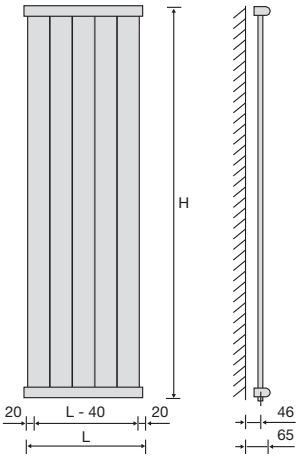
**Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer).**



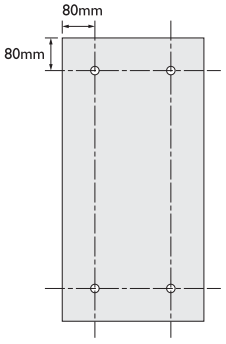
Ellipse EH
Inward



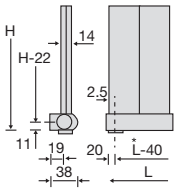
Ellipse EOH
Alternate




### Brackets positions




### Tapping centres EH model




**L - 40mm**
Perpendicular
to the manifold

**H - 22mm** (± 2mm)
In line with the manifold
*Coupling protrudes
10mm

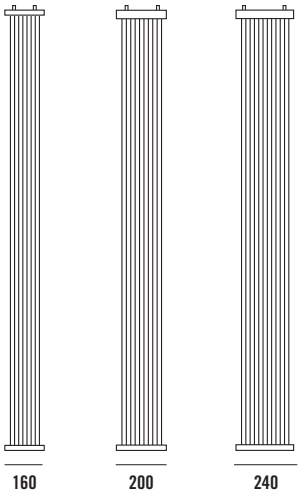
**Standard fitting**
**EG ø ½"**

# Stelrad Optia

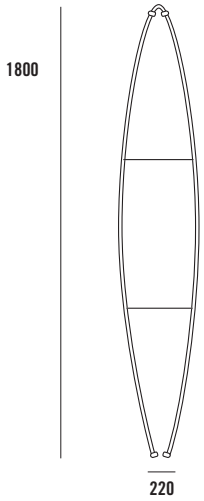
## 50 Δt (75/65/20°C)

| Height | Length mm | Max Projection mm | UIN | Heat output Watts | Heat output Btu/hr |
|---|---|---|---|---|---|
| 1800 | 160 | 202 | 147985 | 742 | 2532 |
| | 200 | 242 | 147986 | 928 | 3167 |
| | 240 | 282 | 147987 | 1114 | 3802 |

**Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer).**

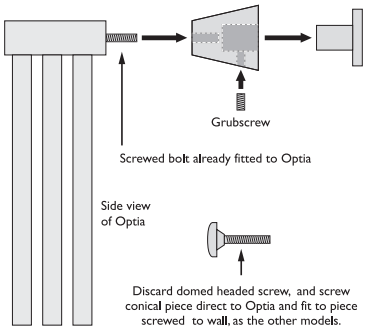



Side view

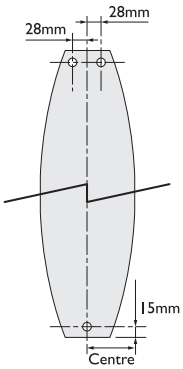



Front view

### Brackets assembly




### Brackets positions



# Energy Saving

*Improves energy efficiency and comfort whilst reducing bills.*

## A radiator that produces more comfort at less cost

The power we use in buildings accounts for 40% of global consumption. And that has a massive impact on the environment. But with smarter energy management, our buildings can emit up to 60% less $CO^2$. That's something the European Union are moving towards, by making energy consumption standards stricter.

At Stelrad, we believe the heating industry has a major role to play, by developing systems that work so efficiently that they produce more heat at lower temperatures.

That's why we've developed Stelrad Radical, the energy saving radiator. It produces more radiant heat than traditional radiators - saving energy while raising comfort levels. At less cost to the user, and to the environment. That's a Radical step forward.

## A radiator that reduces energy bills by up to 10.5%

Your choice of radiator determines how comfortable the heating in your home feels. And how much that comfort costs. You know how a draught free room at 20°C can still feel uncomfortable?

The energy saving radiant heat of the Stelrad Radical will soon fix that. And with the outstanding energy efficiency delivered by its preset valve, it reduces your bills by up to 10.5%, too.

- Thanks to the controlled flow of our unique direct intake technology, the water in the front panel reaches a temperature up to 50% higher than in a traditional radiator
- The Stelrad Radical energy saving radiator reaches its maximum temperature 23% faster than a traditional radiator
- It reaches its optimum performance level while a traditional heater is still heating up
- After only 2 minutes it offers up to 50% more radiant heat
- With higher radiant heat, the feeling of 20°C can be achieved at a lower temperature setting

The Stelrad Radical energy saving radiator's unique and innovative technology raises comfort levels. And by working more efficiently, it reduces energy bills - with a saving of up to 10.5%.

## Raising comfort levels with more radiant heat

A radiator that delivers more heat, more efficiently.

Domestic heating is usually based on convection and radiation. With convection heating, hot air rises from the heating elements, cools down, descends via the wall and is heated again. With radiant heating, infrared radiation is sent directly around the room regardless of airflows like wind or drafts.

Radiant heat heats up the room, furniture and people, and is reflected back to create a more comfortable feeling similar to the rays of the sun. And standing in the sun always feels much warmer, even if the surrounding temperature is no higher than in the shadow - because it is radiant heat.

Greenbuild AWARDS Winner 2013

HEVRENEWS AWARDS 2013 WINNER DOMESTIC PRODUCT OF THE YEAR AWARD

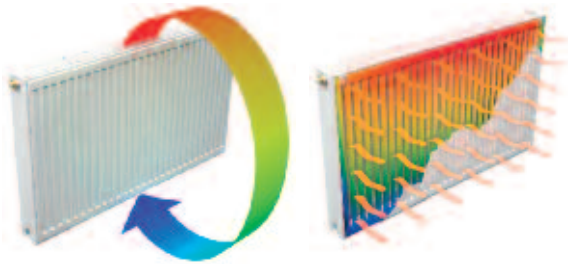
10 TEN YEAR WARRANTY ON EMITTER

EURONORM EN 442

CE

**For further information and advice call 0844 543 6200**

- In a traditional radiator the heat generated consists, on average, of 80% convection heat and 20% radiant heat - limiting the feeling of warmth
- The Stelrad Radical energy saving radiator increases radiant heat by up to 50%



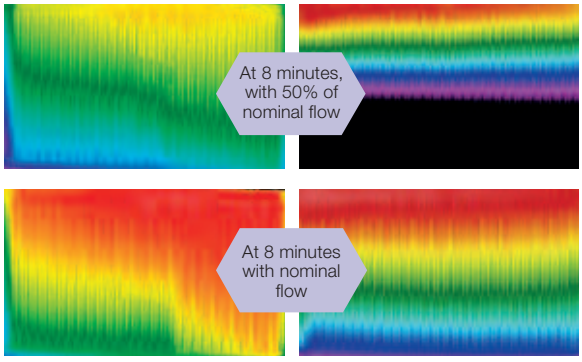
So the comfortable feeling of a room at 20ºC is achieved at a setting of 1 degree less (or even lower).

## Up to 50% more radiant heat means more comfort - at a lower cost

These thermal images demonstrate the improved radiant heat of the Stelrad Radical radiator.

The measurements show that the Stelrad Radical energy saving radiator offers 1.5 times more radiant capacity at 50% of the nominal flow (which offers 90% of the nominal heat output) compared to a traditional radiator.

So depending on the radiator size and type it is compared to, the Stelrad Radical energy saving radiator offers up to 50% more radiant heat.




Test conditions: radiator K2, height 600mm, length 1000mm, temperatures 70/55/20°C.

## Supported by a RIBA & CIBSE CPD programme

CPD

Stelrad are certified as a member of the RIBA and CIBSE CPD Providers Network. This means we can provide RIBA and CIBSE approved CPD material to architects and other specifiers. An hour-long programme delivered by a member of the Stelrad team delivers information on every aspect of the Stelrad Radical energy saving radiator and its application.

## Energy savings tested, assessed and declared by KIWA

KIWA is a highly respected Pan European institute providing internationally recognized declaration services for systems and products. As an independent expert KIWA also carries out specialist testing, and the KIWA Gas Technology division has rigorously trialled the Stelrad Radical radiator to assess and declared its energy saving performance.

## Compatibility

The Stelrad Radical radiator is compatible with the following:

- Gas boilers
- Electric boilers
- Solar PV
- Ground source heat pumps (GSHP)
- Air source heat pumps (ASHP)
- Biomass installations

## A radiator that heats the room, not the wall

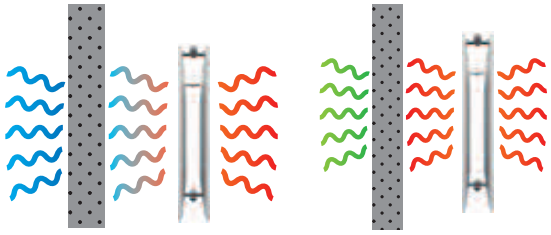
Traditional radiators are as warm at the back as they are at the front. So valuable energy is wasted, as the heat goes into and through the wall.

The unique and innovative technology of the Stelrad Radical radiator changes all that. The flow connection to the front panel and the return connection into the back ensures that you feel warmer, faster.

And thanks to the higher radiation from the front panel, the back panel is much cooler than with other radiators. So up to 9% less radiant heat is lost through the back of the radiator.

That's not just good for comfort levels. It also means the heating system is more efficient, which reduces bills - and $CO^2$ emissions.

## Less heat lost into the wall



Radical radiator Standard radiator

## Fully compatible with renewable energy resources

The Stelrad Radical energy saving radiator is perfectly suited for both solo and multiple heating installations. It can be connected to a modulating gas or fuel burner and is compatible with all kinds of low temperature systems, such as heat pumps, solar cells and biomass installations.

## Faster heating means less $CO^2$ - and lower energy bills

Higher radiant heat levels and front panel temperatures combine with other benefits to reduce bills and $CO^2$ emissions.

## Heating up fully in less time

Thanks to its unique flow pattern, heat up times are dramatically shorter for the Stelrad Radical compared to a traditional radiator.

### 1. Directed flow

Hot water is directed into and around the front panel. In a traditional radiator the water flow divides in parallel to front and back panel.

### 2. Distribution of hot water

Hot water rises in one water channel and is distributed equally over the front panel. A unique system then directs it to the back panel where it is spread equally over the back panel water channels.

### 3. Faster heat up

The front panel of the Stelrad Radical radiator reaches a temperature of 62.5°C after 8.5 minutes. At that time, the front panel of a traditional radiator is at 59.3°C. It only reaches its maximum temperature after 11 minutes, by which time the Stelrad Radical has already been operating at maximum for 2.5 minutes.

## Fast, convenient and flexible fitting

Angle H Block

Straight H Block with couplings

Simple and quick to connect with Hydro Block (H Block)

## Simple and quick to connect with Hydro Block (H Block)

With the ¾" male thread, the H Block's central connection means you can connect pipes directly to the Stelrad Radical radiator with additional couplers. This reduces the risk of leaks and improves the installation speed.

The H Block connects the radiator to the flow and return pipe and has a built-in drain off function, valve isolator and a lock shield for ease of installation and servicing.

- Two H Block configurations are available: with straight connections for pipes coming from the floor or angle connections for pipes coming from the wall.
- The H Block pack also includes a choice of coupling pieces to connect the H Block to the pipes - either 10mm or 15mm.

Installers should order a completed unit based on the appropriate H Block variation.

## Left or right side valve position

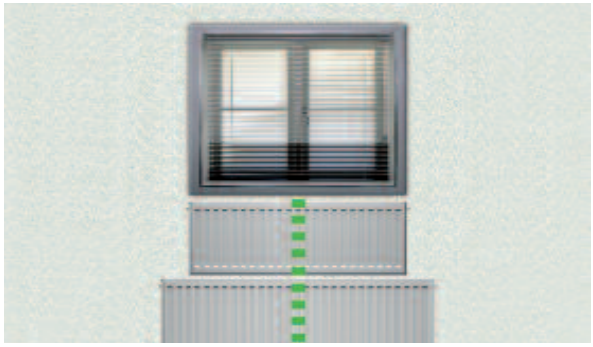
The Stelrad Radical radiator's valve can be mounted on either the left or right side without having to adjust the supply and return pipes. (K2 only).

## Preset thermostatic valve

The thermostatic valve regulates the water supply in the radiator. This valve is preset in the factory according to the radiator's size, which guarantees optimum efficiency.

## Central connection

The connection coupling of the Stelrad Radical is located in the middle of the radiator. This means that the location of the connection no longer depends on the length of the radiator, so pipes can be laid down early in the project with no need to know the size of the radiator.



## Thermostatic head with build-in sensor

## Technical data

- Setting range 6°C to 28°C (43°F to 82°F)
- Valve stroke limiter
- Setting numbers 1 to 5
- ❄ Frost protection 6°C (43°F)
- Max. sensor temperature 50°C (122°F)
- Hysteresis 0.3 K
- Water temperature influence 0.7 K
- Differential pressure influence 0.3 K
- Closing time 24 minutes

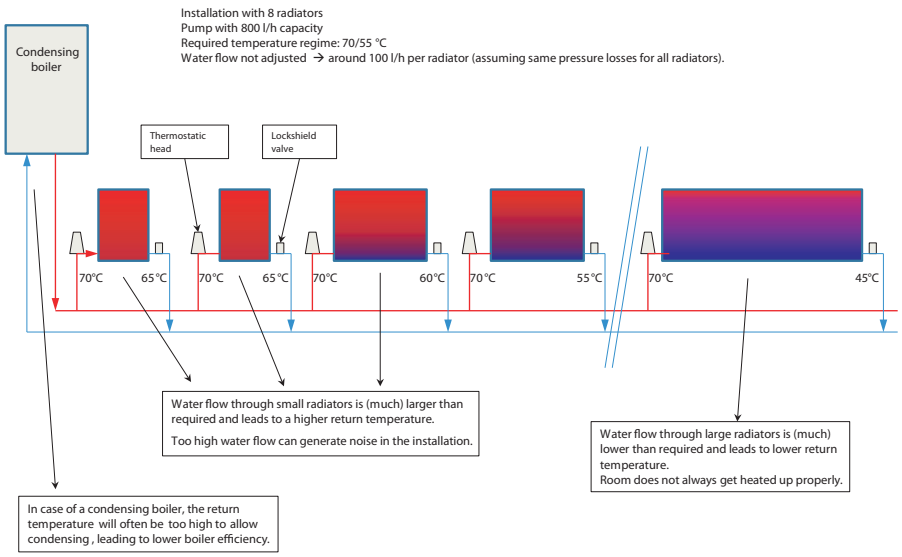
## Thermostatic label

## Impacting heating levels - and costs

**Example 1** shows the effect of an unbalanced system.

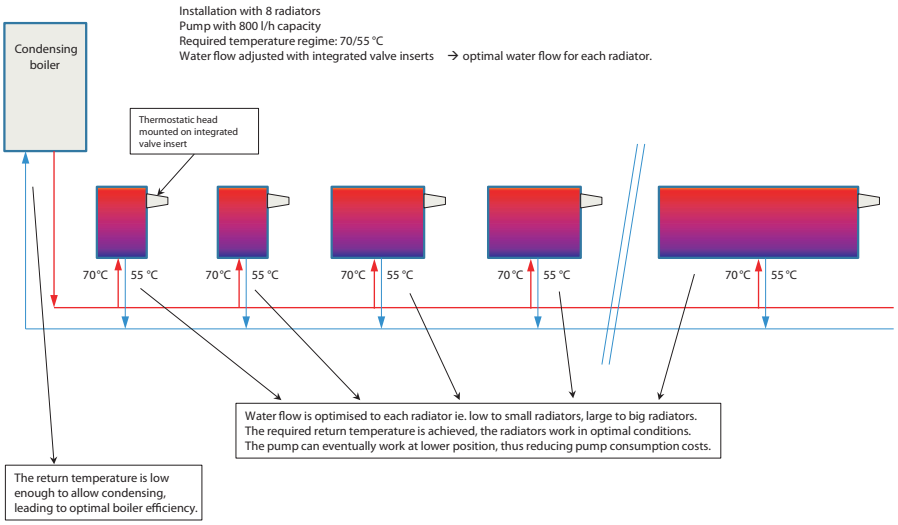
**Example 2** shows how more efficient a balanced system is.

## Example 1:
## An unbalanced system




To avoid these problems, it is necessary to balance the heating system by adjusting the water flow rate to each radiator. The right flow rate leads to a correct return temperature out of each radiator and, therefore, the correct heat output for each radiator, as illustrated in example 2.

## Example 2:
## A balanced system




This is why the Stelrad Radical radiator is delivered with a thermostatic valve that is factory-adjusted according to the radiator size. By doing so, Stelrad help reduce energy costs.

## Preset valves - environmentally friendly and energy efficient

Every Stelrad Radical radiator is equipped with a preset valve, which enhances the efficiency of the system and reduces energy consumption.

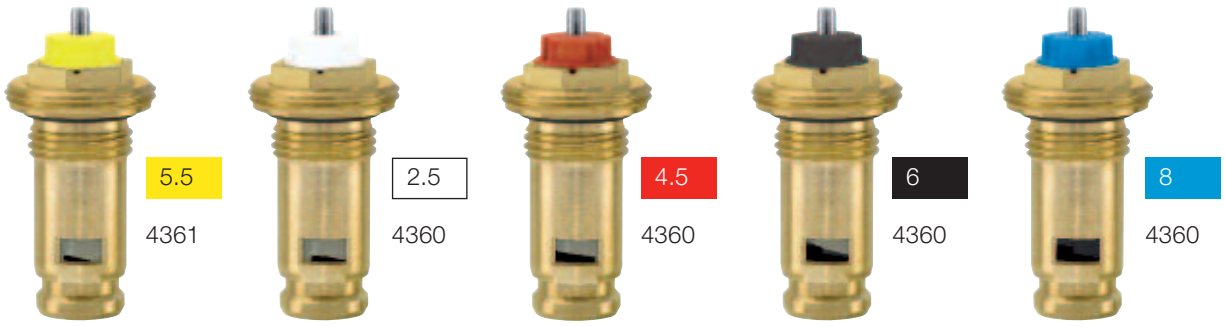
This valve is preset in order to control the water flow, producing maximum efficiency at optimum temperature - and is an essential element in the Stelrad Radical energy saving design.

You can recognise the setting by the coloured valve closure (yellow, white, red, black or blue). The default setting is matched to the heat output of the radiator at system temperatures of both 70/55/20°C and 55/45/20°C.

| Height | 300 | | 500 | | 600 | |
|---|---|---|---|---|---|---|
| Type | K1 | K2 | K1 | K2 | K1 | K2 |
| 400 | | | 5.5 | 5.5 | 5.5 | 5.5 |
| 500 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 2.5 |
| 600 | | | 5.5 | 2.5 | 5.5 | 2.5 |
| 700 | | | 5.5 | 2.5 | 5.5 | 2.5 |
| 800 | | | 5.5 | 2.5 | 2.5 | 2.5 |
| 900 | | | 2.5 | 2.5 | 2.5 | 2.5 |
| 1000 | 5.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.5 |
| 1100 | | | 2.5 | | 2.5 | 4.5 |
| 1200 | | | 2.5 | 4.5 | 2.5 | 4.5 |
| 1400 | | | 2.5 | 4.5 | 2.5 | 6 |
| 1600 | 2.5 | 2.5 | 2.5 | 6 | 4.5 | 8 |
| 1800 | | | 2.5 | 6 | 4.5 | 8 |
| 2000 | 2.5 | 4.5 | 4.5 | 8 | 4.5 | 8 |

## The benefits

- No extra adjustment time during installation
- Optimal water flow in the radiator
- Higher efficiency of the condensing boiler through lower return temperatures
- Environmentally friendly
- Lower energy costs
- Compliance with Rule EnEV for hydraulic balance




Factory presetting conditions: - heat outputs at 70/55/20ºC (Δt = 15°C ) - pressure drop Δp = 100mbar

For other system conditions, the valve can be readjusted (or replaced) according to preset tables 4360 and 4361 (using preset key - part of the hardware pack).

In one pipe systems the valve must be fully opened (position 8).

# Valve re-adjustment

Fine tuning valve 4361

Max. 2 K presetting

4361

| Q̇ [W] | | 200 | 250 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 | 3200 | 3400 | 3600 | 3800 | 4000 | 4800 | 5300 | 6500 | 6800 | 7200 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Δt [K] | Δp [mbar] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 50 | 3 | 5 | 6 | 7 | 8 | 8 | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 100 | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 8 | 8 | | | | | | | | | | | | | | | | | | | | | |
| | 150 | 1 | 1 | 3 | 4 | 6 | 6 | 7 | 7 | 8 | 8 | | | | | | | | | | | | | | | | | | | | |
| | 50 | 1 | 3 | 3 | 5 | 6 | 7 | 7 | 8 | 8 | 8 | | | | | | | | | | | | | | | | | | | | |
| 15 | 100 | 1 | 1 | 1 | 3 | 5 | 5 | 6 | 6 | 7 | 8 | 8 | 8 | | | | | | | | | | | | | | | | | | |
| | 150 | 1 | 1 | 1 | 1 | 3 | 4 | 5 | 6 | 6 | 6 | 7 | 8 | 8 | | | | | | | | | | | | | | | | | |
| | 50 | 1 | 1 | 1 | 3 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | | | | | | | | | | | | | | | | | | | |
| 20 | 100 | 1 | 1 | 1 | 1 | 3 | 4 | 5 | 5 | 6 | 6 | 7 | 8 | 8 | 8 | | | | | | | | | | | | | | | | |
| | 150 | | 1 | 1 | 1 | 1 | 3 | 3 | 4 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | | | | | | | | | | | | | | |
| | 50 | | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 4 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | | | | | | | | | | | | |
| 40 | 100 | | | | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 4 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | | | | | | |
| | 150 | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 4 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | | | | |

100 mbar = 10kPA = 1mWS

Example:

- Target: presetting
- Given:
  - RADICAL radiator: K1, Height 600, Length 700
  - factory fitted valve: 4361 - preset: 5.5
  - at 75/65/20°C
    - 776 Watt
    - Δt = 10°C (=75-65)
  - pressure drop: - Δp = 100mbar
  - selected tuning range: - 2K (see table)
- Solution: presetting according to table 4361: 8

Valve needs to be re-adjusted to setting 8

5.5 >>> 8

4361 4361

# Valve re-adjustment

Standard valve 4360





Max. 2 K presetting — 4360

| Δt [K] | Δp [mbar] | Q̇ [W] 200 | 250 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 | 3200 | 3400 | 3600 | 3800 | 4000 | 4800 | 5300 | 6500 | 6800 | 7200 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 50 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 4 | 5 | 5 | 6 | 7 | 8 | | | | | | | | | | | | | | | |
| 10 | 100 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 4 | 5 | 5 | 6 | 6 | 7 | 7 | 8 | | | | | | | | | | | |
| | 150 | | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | | | | | | | | |
| | 50 | | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 5 | 5 | 6 | 6 | 7 | 8 | 8 | | | | | | | | | | |
| 15 | 100 | | | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 8 | 8 | | | | |
| | 150 | | | | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 8 | | | |
| | 50 | | | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 5 | 5 | 5 | 6 | 6 | 7 | 7 | 7 | 8 | 8 | | | | | |
| 20 | 100 | | | | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 8 | | |
| | 150 | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 7 | 8 | |
| | 50 | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 6 | 7 | 7 | 8 |
| 40 | 100 | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 6 |
| | 150 | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 5 |

100 mbar = 10kPA = 1mWS

Example:

- Target: presetting
- Given:
  - RADICAL radiator: K2, Height 600, Length 1200
  - factory fitted valve: 4360 - preset: 4.5
  - 60/40/20°C - 997 Watt
  - pressure drop: - Δp = 100mbar
  - selected tuning range - 2K (see table)
- SOLUTION: PRESETTING ACCORDING TO TABLE 4360: “ 2 “

4.5 >>> “2”

4360 4360

# Pressure drop diagram

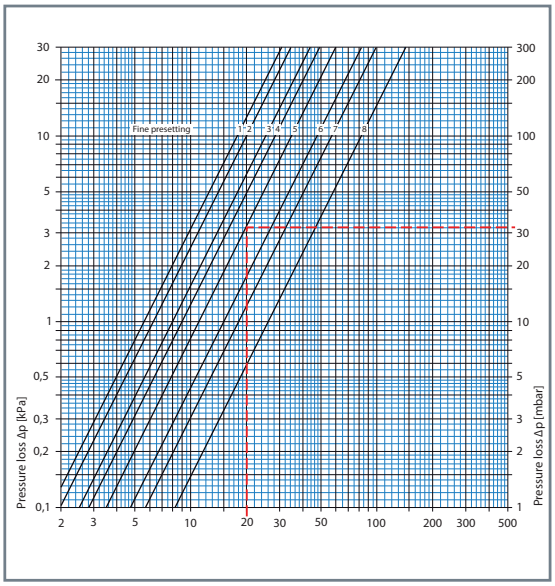
Fine tuning valve 4361

Radiators without connection accessories

5.5

Information supplied by Heimeier

p-band [xp] **2,0 K**




| Radiator with integrated valves without connection fitting | | | Fine presetting Thermostatic insert 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Permissible operating temperature TB *) [°C] | Permissible operating pressure PB [bar] | Permissible differential pressure at which the valve still closes Δp [bar] Therm. head | EMO T/NC EMOtec/NC EMO 1/3 EMO EIB/LON | EMO T/NO EMOtec/NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thermostatic insert and thermostatic head | p-band | $K_V$-Value [m³/h] | 0,05 | 0,06 | 0,07 | 0,08 | 0,10 | 0,11 | 0,12 | 0,14 | 120 | 10 | 4,0 | 2,7 | 3,5 |
| | p-band xp 2,0 K | $K_V$-Value [m³/h] | 0,06 | 0,06 | 0,08 | 0,09 | 0,11 | 0,15 | 0,18 | 0,26 | | | | | |
| | | $k_{VS}$-Value [m³/h] | 0,06 | 0,07 | 0,08 | 0,10 | 0,12 | 0,17 | 0,25 | 0,50 | | | | | |
| | | Flow tolerance ± [%] | 42 | 42 | 37 | 36 | 35 | 32 | 30 | 10 | | | | | |

*) With protective cap or actuator 100°C

## Calculation example

| | | |
|---|---|---|
| Target: | Setting range | |
| Given: | Heat flow | $\dot{Q}$ = 350 W |
| | Temperature spread | $\Delta t$ = 15 K (65/50 °C) |
| | Pressure loss, radiator, with integrated valves | $\Delta p_V$ = 32 mbar |
| Solution: | Mass flow rate | $\dot{m} = \frac{\dot{Q}}{c \cdot \Delta t} = \frac{350}{1{,}163 \cdot 15} = 20$ kg/h |

# Pressure drop diagram

Standard valve 4360

Radiators without connection accessories

2.5

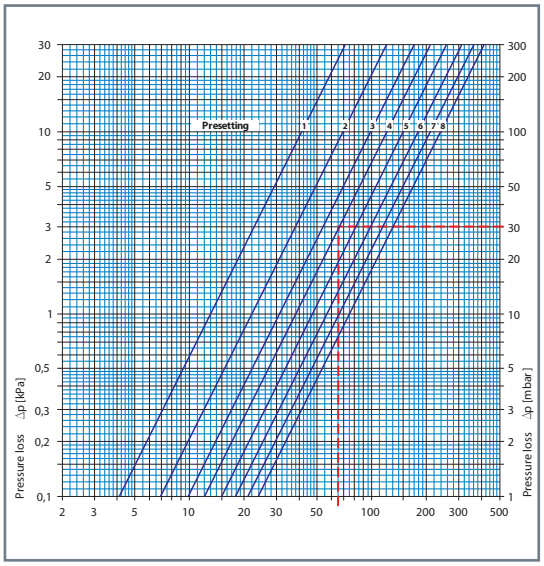
4.5

6

8

Information supplied by Heimeier

p-band[xp] **2,0 K**




| Radiator with integrated valves without connection fitting | | | Presetting Thermostatic insert 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Permissible operating temperature TB *) [°C] | Permissible operating pressure PB [bar] | Permissible differential pressure at which the valve still closes Δp [bar] Therm. head | EMO T/NC EMOtec/NC EMO 1/3 EMO EIB/LON | EMO T/NO EMOtec/NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thermostatic insert and thermostatic head | p-band | $K_V$ value [m³/h] | 0,12 | 0,19 | 0,24 | 0,28 | 0,33 | 0,37 | 0,39 | 0,40 | 120 | 10 | 4,0 | 2,7 | 3,5 |
| | p-band xp 2,0 K | $K_V$ value [m³/h] | 0,13 | 0,22 | 0,31 | 0,38 | 0,47 | 0,57 | 0,66 | 0,75 | | | | | |
| | | $k_{VS}$ value [m³/h] | 0,16 | 0,27 | 0,38 | 0,43 | 0,65 | 0,98 | 1,23 | 1,43 | | | | | |
| | | Flow tolerance ± [%] | 40 | 30 | 25 | 23 | 17 | 15 | 12 | 10 | | | | | |

*) With protective cap or actuator 100 °C.

## Calculation example

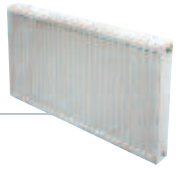
Target: Setting range

Given: Heat flow $\dot{Q}$ = 1135 W
Temperature spread $\Delta t$ = 15 K (65/50 °C)
Pressure loss, radiator with integrated valves $\Delta p_V$ = 30 mbar

Solution: Mass flow rate

$$\dot{m} = \frac{\dot{Q}}{c \cdot \Delta t} = \frac{1135}{1{,}163 \cdot 15} = 65 \text{ kg/h}$$

# Stelrad Radical



## 50Δt (75/65/20°C)

K1

K2

| Height | Length mm | Straight 10mm UIN | Angle 10mm UIN | Straight 15mm UIN | Angle 15mm UIN | Heat output Watts | Heat output Btu/hr | Straight 10mm UIN | Angle 10mm UIN | Straight 15mm UIN | Angle 15mm UIN | Heat output Watts | Heat output Btu/hr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 300 | 1000 | 33111010S | 33111010A | 33111015S | 33111015A | 509 | 1737 | 33221010S | 33221010A | 33221015S | 33221015A | 933 | 3183 |
| 500 | 400 | 35110410S | 35110410A | 35110415S | 35110415A | 333 | 1136 | 35220410S | 35220410A | 35220415S | 35220415A | 560 | 1911 |
| | 500 | 35110510S | 35110510A | 35110515S | 35110515A | 417 | 1423 | 35220510S | 35220510A | 35220515S | 35220515A | 701 | 2392 |
| | 600 | 35110610S | 35110610A | 35110615S | 35110615A | 500 | 1706 | 35220610S | 35220610A | 35220615S | 35220615A | 841 | 2869 |
| | 700 | - | - | - | - | - | - | 35220710S | 35220710A | 35220715S | 35220715A | 981 | 3347 |
| | 800 | - | - | - | - | - | - | 35220810S | 35220810A | 35220815S | 35220815A | 1121 | 3825 |
| | 900 | - | - | - | - | - | - | 35220910S | 35220910A | 35220915S | 35220915A | 1261 | 4303 |
| | 1000 | - | - | - | - | - | - | 35221010S | 35221010A | 35221015S | 35221015A | 1401 | 4780 |
| | 1200 | - | - | - | - | - | - | 35221210S | 35221210A | 35221215S | 35221215A | 1681 | 5736 |
| | 1400 | - | - | - | - | - | - | 35221410S | 35221410A | 35221415S | 35221415A | 1961 | 6691 |
| | 1600 | - | - | - | - | - | - | 35221610S | 35221610A | 35221615S | 35221615A | 2242 | 7650 |
| | 1800 | - | - | - | - | - | - | 35221810S | 35221810A | 35221815S | 35221815A | 2522 | 8605 |
| | 2000 | - | - | - | - | - | - | 35222010S | 35222010A | 35222015S | 35222015A | 2802 | 9560 |
| 600 | 400 | 36110410S | 36110410A | 36110415S | 36110415A | 392 | 1338 | 36220410S | 36220410A | 36220415S | 36220415A | 647 | 2208 |
| | 500 | 36110510S | 36110510A | 36110515S | 36110515A | 490 | 1672 | 36220510S | 36220510A | 36220515S | 36220515A | 809 | 2760 |
| | 600 | 36110610S | 36110610A | 36110615S | 36110615A | 588 | 2006 | 36220610S | 36220610A | 36220615S | 36220615A | 970 | 3310 |
| | 700 | - | - | - | - | - | - | 36220710S | 36220710A | 36220715S | 36220715A | 1132 | 3862 |
| | 800 | - | - | - | - | - | - | 36220810S | 36220810A | 36220815S | 36220815A | 1294 | 4415 |
| | 900 | - | - | - | - | - | - | 36220910S | 36220910A | 36220915S | 36220915A | 1455 | 4964 |
| | 1000 | - | - | - | - | - | - | 36221010S | 36221010A | 36221015S | 36221015A | 1617 | 5517 |
| | 1100 | - | - | - | - | - | - | 36221110S | 36221110A | 36221115S | 36221115A | 1779 | 6070 |
| | 1200 | - | - | - | - | - | - | 36221210S | 36221210A | 36221215S | 36221215A | 1940 | 6619 |
| | 1400 | - | - | - | - | - | - | 36221410S | 36221410A | 36221415S | 36221415A | 2264 | 7725 |
| | 1600 | - | - | - | - | - | - | 36221610S | 36221610A | 36221615S | 36221615A | 2587 | 8827 |
| | 1800 | - | - | - | - | - | - | 36221810S | 36221810A | 36221815S | 36221815A | 2911 | 9932 |
| | 2000 | - | - | - | - | - | - | 36222010S | 36222010A | 36222015S | 36222015A | 3234 | 11034 |

**Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer).**

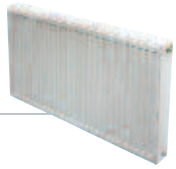
## 40Δt (65/55/20°C)

K1

K2

| Height | Length mm | Straight 10mm UIN | Angle 10mm UIN | Straight 15mm UIN | Angle 15mm UIN | Heat output Watts | Heat output Btu/hr | Straight 10mm UIN | Angle 10mm UIN | Straight 15mm UIN | Angle 15mm UIN | Heat output Watts | Heat output Btu/hr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 300 | 1000 | 33111010S | 33111010A | 33111015S | 33111015A | 381 | 1299 | 33221010S | 33221010A | 33221015S | 33221015A | 969 | 2381 |
| 500 | 400 | 35110410S | 35110410A | 35110415S | 35110415A | 249 | 850 | 35220410S | 35220410A | 35220415S | 35220415A | 419 | 1429 |
| | 500 | 35110510S | 35110510A | 35110515S | 35110515A | 312 | 1064 | 35220510S | 35220510A | 35220515S | 35220515A | 524 | 1789 |
| | 600 | 35110610S | 35110610A | 35110615S | 35110615A | 374 | 1276 | 35220610S | 35220610A | 35220615S | 35220615A | 629 | 2146 |
| | 700 | - | - | - | - | - | - | 35220710S | 35220710A | 35220715S | 35220715A | 734 | 2504 |
| | 800 | - | - | - | - | - | - | 35220810S | 35220810A | 35220815S | 35220815A | 839 | 2861 |
| | 900 | - | - | - | - | - | - | 35220910S | 35220910A | 35220915S | 35220915A | 943 | 3218 |
| | 1000 | - | - | - | - | - | - | 35221010S | 35221010A | 35221015S | 35221015A | 1048 | 3576 |
| | 1200 | - | - | - | - | - | - | 35221210S | 35221210A | 35221215S | 35221215A | 1257 | 4290 |
| | 1400 | - | - | - | - | - | - | 35221410S | 35221410A | 35221415S | 35221415A | 1467 | 5005 |
| | 1600 | - | - | - | - | - | - | 35221610S | 35221610A | 35221615S | 35221615A | 1677 | 5722 |
| | 1800 | - | - | - | - | - | - | 35221810S | 35221810A | 35221815S | 35221815A | 1886 | 6437 |
| | 2000 | - | - | - | - | - | - | 35222010S | 35222010A | 35222015S | 35222015A | 2096 | 7151 |
| 600 | 400 | 36110410S | 36110410A | 36110415S | 36110415A | 293 | 1000 | 36220410S | 36220410A | 36220415S | 36220415A | 484 | 1651 |
| | 500 | 36110510S | 36110510A | 36110515S | 36110515A | 367 | 1251 | 36220510S | 36220510A | 36220515S | 36220515A | 605 | 2065 |
| | 600 | 36110610S | 36110610A | 36110615S | 36110615A | 440 | 1501 | 36220610S | 36220610A | 36220615S | 36220615A | 726 | 2476 |
| | 700 | - | - | - | - | - | - | 36220710S | 36220710A | 36220715S | 36220715A | 847 | 2889 |
| | 800 | - | - | - | - | - | - | 36220810S | 36220810A | 36220815S | 36220815A | 968 | 3303 |
| | 900 | - | - | - | - | - | - | 36220910S | 36220910A | 36220915S | 36220915A | 1088 | 3713 |
| | 1000 | - | - | - | - | - | - | 36221010S | 36221010A | 36221015S | 36221015A | 1210 | 4127 |
| | 1100 | - | - | - | - | - | - | 36221110S | 36221110A | 36221115S | 36221115A | 1331 | 4540 |
| | 1200 | - | - | - | - | - | - | 36221210S | 36221210A | 36221215S | 36221215A | 1451 | 4951 |
| | 1400 | - | - | - | - | - | - | 36221410S | 36221410A | 36221415S | 36221415A | 1693 | 5778 |
| | 1600 | - | - | - | - | - | - | 36221610S | 36221610A | 36221615S | 36221615A | 1935 | 6602 |
| | 1800 | - | - | - | - | - | - | 36221810S | 36221810A | 36221815S | 36221815A | 2177 | 7429 |
| | 2000 | - | - | - | - | - | - | 36222010S | 36222010A | 36222015S | 36222015A | 2419 | 8254 |

# Stelrad Radical



## 30Δt (55/45/20°C)

K1

K2

| Height | Length mm | Straight 10mm UIN | Angle 10mm UIN | Straight 15mm UIN | Angle 15mm UIN | Heat output Watts | Heat output Btu/hr | Straight 10mm UIN | Angle 10mm UIN | Straight 15mm UIN | Angle 15mm UIN | Heat output Watts | Heat output Btu/hr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 300 | 1000 | 33111010S | 33111010A | 33111015S | 33111015A | 262 | 894 | 33221010S | 33221010A | 33221015S | 33221015A | 480 | 1639 |
| 500 | 400 | 35110410S | 35110410A | 35110415S | 35110415A | 171 | 585 | 35220410S | 35220410A | 35220415S | 35220415A | 288 | 984 |
| | 500 | 35110510S | 35110510A | 35110515S | 35110515A | 215 | 733 | 35220510S | 35220510A | 35220515S | 35220515A | 361 | 1232 |
| | 600 | 35110610S | 35110610A | 35110615S | 35110615A | 258 | 879 | 35220610S | 35220610A | 35220615S | 35220615A | 433 | 1478 |
| | 700 | - | - | - | - | - | - | 35220710S | 35220710A | 35220715S | 35220715A | 505 | 1724 |
| | 800 | - | - | - | - | - | - | 35220810S | 35220810A | 35220815S | 35220815A | 577 | 1970 |
| | 900 | - | - | - | - | - | - | 35220910S | 35220910A | 35220915S | 35220915A | 649 | 2216 |
| | 1000 | - | - | - | - | - | - | 35221010S | 35221010A | 35221015S | 35221015A | 722 | 2462 |
| | 1200 | - | - | - | - | - | - | 35221210S | 35221210A | 35221215S | 35221215A | 866 | 2954 |
| | 1400 | - | - | - | - | - | - | 35221410S | 35221410A | 35221415S | 35221415A | 1010 | 3446 |
| | 1600 | - | - | - | - | - | - | 35221610S | 35221610A | 35221615S | 35221615A | 1155 | 3940 |
| | 1800 | - | - | - | - | - | - | 35221810S | 35221810A | 35221815S | 35221815A | 1299 | 4432 |
| | 2000 | - | - | - | - | - | - | 35222010S | 35222010A | 35222015S | 35222015A | 1443 | 4924 |
| 600 | 400 | 36110410S | 36110410A | 36110415S | 36110415A | 202 | 689 | 36220410S | 36220410A | 36220415S | 36220415A | 333 | 1137 |
| | 500 | 36110510S | 36110510A | 36110515S | 36110515A | 252 | 861 | 36220510S | 36220510A | 36220515S | 36220515A | 417 | 1432 |
| | 600 | 36110610S | 36110610A | 36110615S | 36110615A | 303 | 1033 | 36220610S | 36220610A | 36220615S | 36220615A | 500 | 1704 |
| | 700 | - | - | - | - | - | - | 36220710S | 36220710A | 36220715S | 36220715A | 583 | 1989 |
| | 800 | - | - | - | - | - | - | 36220810S | 36220810A | 36220815S | 36220815A | 666 | 2274 |
| | 900 | - | - | - | - | - | - | 36220910S | 36220910A | 36220915S | 36220915A | 749 | 2557 |
| | 1000 | - | - | - | - | - | - | 36221010S | 36221010A | 36221015S | 36221015A | 833 | 2841 |
| | 1100 | - | - | - | - | - | - | 36221110S | 36221110A | 36221115S | 36221115A | 916 | 3126 |
| | 1200 | - | - | - | - | - | - | 36221210S | 36221210A | 36221215S | 36221215A | 999 | 3409 |
| | 1400 | - | - | - | - | - | - | 36221410S | 36221410A | 36221415S | 36221415A | 1166 | 3978 |
| | 1600 | - | - | - | - | - | - | 36221610S | 36221610A | 36221615S | 36221615A | 1332 | 4546 |
| | 1800 | - | - | - | - | - | - | 36221810S | 36221810A | 36221815S | 36221815A | 1499 | 5115 |
| | 2000 | - | - | - | - | - | - | 36222010S | 36222010A | 36222015S | 36222015A | 1666 | 5683 |

Each code includes the radiator of choice, with a hydro block and coupling piece.

2 hydro blocks are available; either straight configuration for pipes coming from the floor or angle configuration for pipes coming from the wall. 2 coupling pieces are available, either 10mm or 15mm to connect the H Block to flow and return pipe.

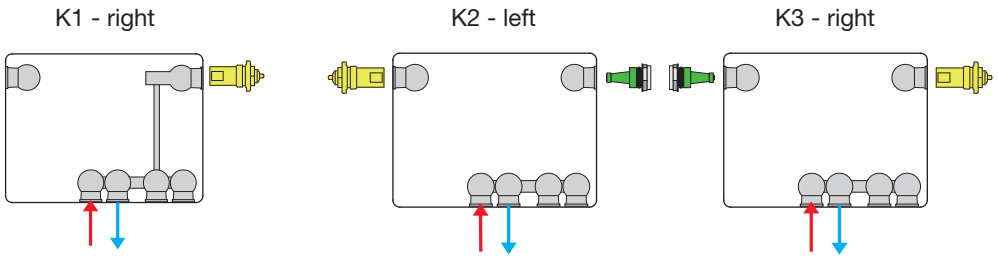
### EN 442 Certification Data - CETIAT tested in accordance with BS EN 442

| Type | K1 | | | K2 | | |
|---|---|---|---|---|---|---|
| Height | 300 | 500 | 600 | 300 | 500 | 600 |
| W/m at 75/65/20 | 509 | 833 | 980 | 933 | 1401 | 1617 |
| n-coefficients | 1.32 | 1.30 | 1.29 | 1.30 | 1.30 | 1.30 |
| Heated Surface Area (m²/m) | 2.09 | 3.80 | 4.66 | 3.51 | 6.33 | 7.74 |
| Weight (kg/m) | 9.31 | 16.24 | 19.70 | 16.50 | 27.17 | 32.50 |
| Water Contents (l/m) | 1.89 | 2.80 | 3.25 | 3.70 | 5.83 | 6.90 |

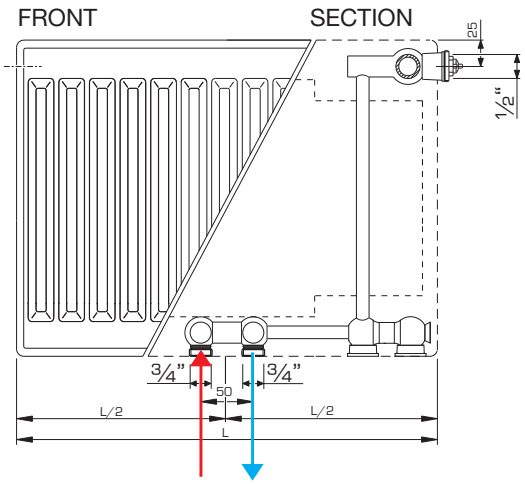
## Simple and efficient installation across the whole system.

### K1

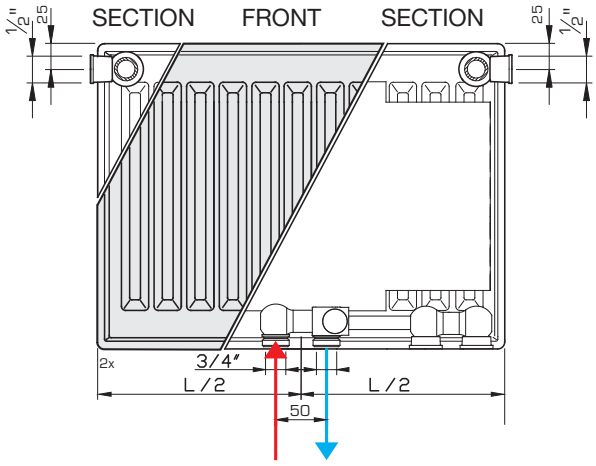
### K2




### K1 front elevation



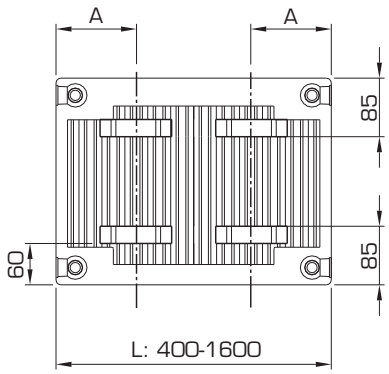

### K2 front elevation




| Radiator on short bracket side | | Radiator on long bracket side | |
|---|---|---|---|
| K1 (T11) | K2 (T22) | K1 (T11) | K2 (T22) |
| 83 / 61 / 51 | 124 / 100 / 73 | 94 / 61 / 62 | 135 / 100 / 84 |

## K1

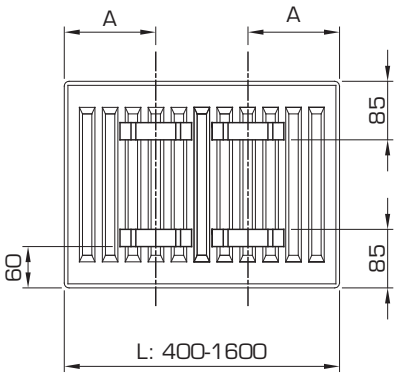
| L | A |
|---|---|
| 400 | 117 |
| 500-1100 | 150 |

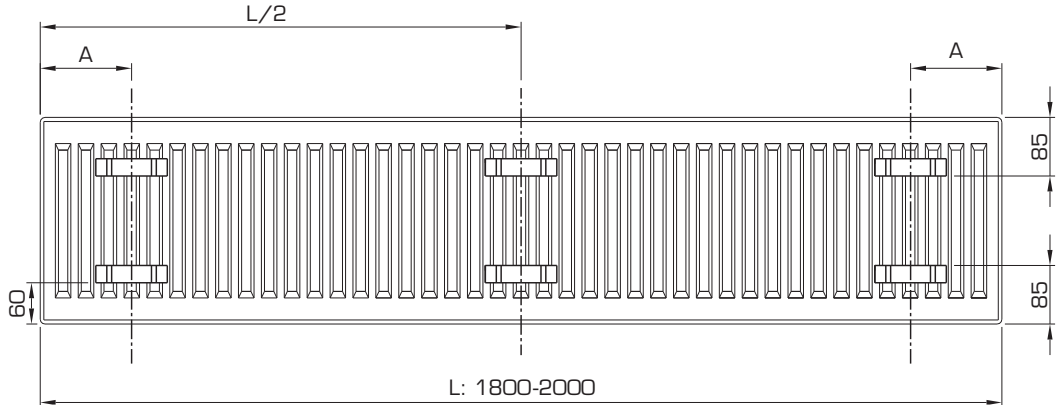



## K2

| L | A |
|---|---|
| 400 | 133 |
| 500-1100 | 133 |
| 1200-1600 | 267 |
| 1800-2000 ** | 267 ** |

** 3rd. lug in radiator centre (half length)



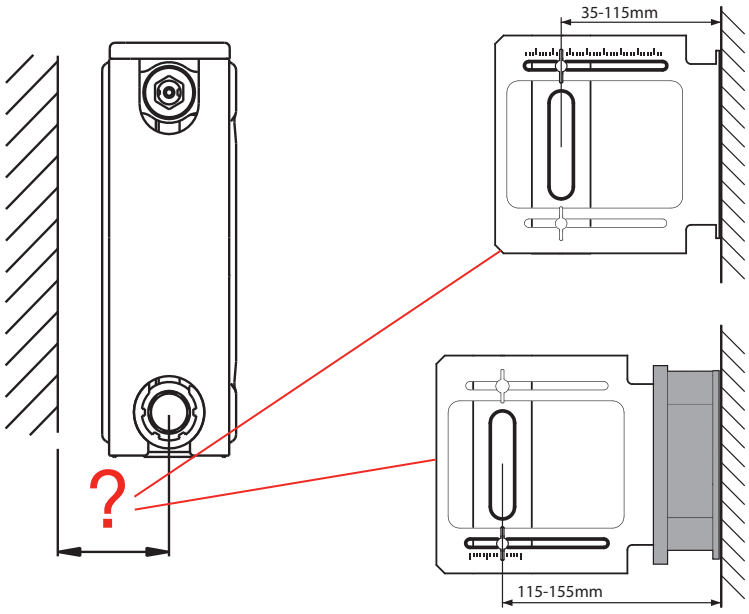
## Radical mounting template

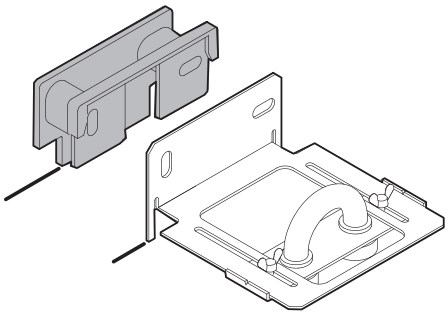
Using the mounting template for the bottom connection of Radical radiators offers important advantages during the installation, e.g. leak testing the system without a mounted radiator.

The mounting template replaces the radiator during the installation, which reduces the total installing cost. Finishing tasks such as painting, tiling and applying wallpaper no longer require the removal and remounting of the radiator.

The radiator is mounted after all the finishing work, which guarantees a pristine condition on commissioning.

The mounting template consists of a bridging piece with 2 connections of ¾" external thread on a centre distance of 50mm. As the wall distance depends on the radiator type, the mounting template offers multiple positions according to the available brackets.



UIN: 9223

# Radical mounting template


To mount of the template on the wall, the plumbing should have the correct wall distance.

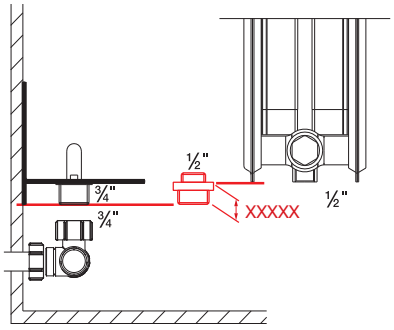

Connect the plumbing to the template and conduct the leak test.


Once the concrete floor is finished the L-shaped part (and the extension) can be removed in order to paint, tile, to apply wallpaper.
**ATTENTION:** the bridging part must remain on the plumbing to prevent pollution of the tubes.

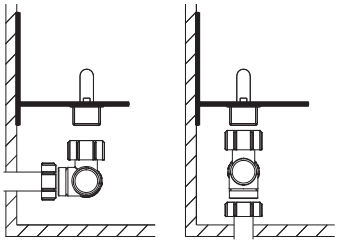

Mount the brackets against the wall and remove the bridging part before the radiator can be installed. Note: Brackets should be mounted before removal of the bridging part, to eliminate any possibility of pollution.


**ATTENTION:** the mounting template has a ¾" ext eurocone thread, for radiators with a ½" INT bottom connection, a ½" EXT x ¾" EXT piece is necessary.

### For ½" INT - bottom connection (right, centre or left)




The mounting template can be used for tubes coming from the floor, as well as for tubes coming from the wall.

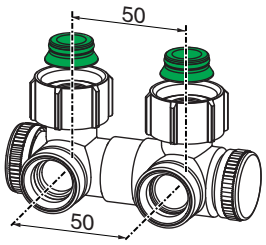


# Radical Hydro Block connections

## 2-pipe connections for bottom connection (¾" EXT Eurocone or ½" INT):

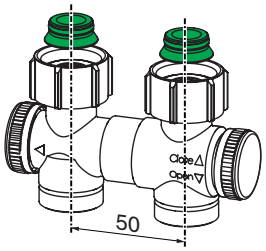
- Lock function
- Straight or angular version
- Maximum operating temperature: 90°C
- Casing in white high performance plastic (similar to RAL 9016)
- Maximum operating pressure: 6 bar

UIN: 10mm 363000210A
UIN: 15mm 363000215A
- angular version
- with drain



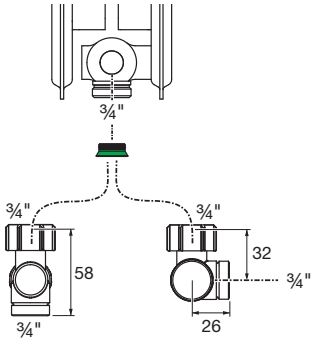

- not included
- parts unlock drain function

UIN: 10mm 363000210S
UIN: 15mm 363000215S
- straight version
- with drain




- not included
- parts unlock drain function

For ¾" EXT Eurocone bottom connection (centre):



# Safety

*Stelrad has created a range of Low Surface Temperature radiators which provide the perfect solution for all specification requirements in safety critical environments.*

## The complete choice

### Stelrad LST range offers you the flexibility you need

- The LST Standard leaves you free to specify your preferred controls
- The LST Plus and LST i Plus offer an integral remote sensing thermostat valve, the highly specified Danfoss RAS-D Remote Sensor
- The LST Vertical is ideal where space is at a premium
- An arthritic adaptor is supplied as standard for less able environments - along with a lockshield valve which can only be adjusted with a 6mm Allen key, hidden with a neat metal dust cover to discourage unauthorised tampering. (excludes LST Standard)

## The complete package

- Every Stelrad LST radiator is supplied with an attractive, flat panel outer casing, which is totally reversible to allow piping flexibility
- Simple and quick to install, the casing is held by security fittings with a unique seam fixing bracket system to prevent unauthorised access to the emitter accommodated inside
- For added protection, the smooth surface is coated in anti-bacterial paint
- The emitter provides high outputs through convection for outstanding heating performance
- Controlled independent laboratory testing ensures that each emitter is guaranteed to perform to a maximum working pressure of 116 psi (8 bar) and conform to BS EN 442, the European Standard for radiators
- All specified components required supplied in one robust package

## Anti-bacterial paint

- Every LST emitter is subjected to a multi-stage cleaning process before the paint is applied. This involves several rinsing stages, including an iron phosphate and demineralisation phase

  The first coat of paint is applied by electrophoresis and the radiator is then stoved and cooled
- Followed by a second powder coat in warm white, the emitter then goes through a final curing stage. It is then allowed to cool prior to packaging
- All exposed painted surfaces are finished in a long lasting anti-bacterial coating

## LST Plus & LST i Plus

### Remote sensing thermostatic valve

- The Danfoss RAS-D Remote Sensor is designed specifically for commercial heating systems and can be pre-set to allow adjustment of room temperature between 5°C and 26°C
- Special tools are not required, as the valve is gland seal removable
- Suitable for both ½" steel and 15mm copper piping, with left or right hand, same end connections for flow and return, gives flexibility of installation

## Lockshield valve

- Able to withstand 10 bar static pressure, the valve has a drain tap adaptor available, which can also be used as a filling point
- Mandatory fittings should be used in order to comply with current water regulations

## Connections

- 2 x ½" connections as standard, complete with Danfoss remote sensing thermostatic radiator valve, pre-piped with 2 x ½" BSP connections at 50mm centres positioned at either left or right of the casing

5 FIVE YEAR WARRANTY ON CASING

10 TEN YEAR WARRANTY ON EMITTER

EN EURONORM 442

CE

CPD

BIM

**For further information and advice call 0844 543 6200**

## LST Standard, LST Plus, LST i Plus & LST Vertical temperature table

For systems not operating at Δt50 the factors in the table below should be applied. The output of a given radiator can be obtained by multiplying the quoted Δt50 output by the operating factor. Conversely, to derive a non Δt50 output, divide the heat output required by the relevant operation factor. This 'Δt50 equivalent output' can then be used to select a radiator from the standard tables.

| °C | | °F | |
|---|---|---|---|
| Δt | Operating Factor | Δt | Operating Factor |
| 5 | 0.050 | 10 | 0.057 |
| 10 | 0.123 | 20 | 0.142 |
| 15 | 0.209 | 30 | 0.240 |
| 20 | 0.304 | 40 | 0.348 |
| 25 | 0.406 | 50 | 0.466 |
| 30 | 0.515 | 60 | 0.590 |
| 35 | 0.629 | 70 | 0.721 |
| 40 | 0.748 | 80 | 0.858 |
| 45 | 0.872 | 90 | 1.000 |
| 50 | 1.000 | 100 | 1.147 |
| 55 | 1.132 | 110 | 1.298 |
| 60 | 1.267 | 120 | 1.454 |
| 65 | 1.406 | 130 | 1.613 |
| 70 | 1.549 | 150 | 1.776 |
| 75 | 1.694 | - | - |

Example: Exact output at Δt50 = 2000 Btu/hr
Output at Δt30 = 2000 x 0.515 = 1030 Btu/hr
Average coefficient of 130 is used in the example above

## Testing and operating pressures

All models are high pressure tested to withstand 152.3 psi (10.5 bar). Strictly controlled independent laboratory testing ensures that all Stelrad radiators are guaranteed to perform to a maximum working pressure of 116 psi (8 bar) at a maximum temperature of 95°C. All conform to BS EN 442 - the European Standard for radiators.

## Caution

To ensure that the emitter complies with all aspects of the NHS guidance for "Safe hot water and surface temperature", Stelrad recommends that a maximum flow temperature of 80° be used with a 20° drop across the system.

When designing for domestic systems we recommend that the Stelrad LST range be used only in heating systems complying with the British Standard Code of Practice for Central Heating for Domestic Premises BS EN 12828:2003 and BS EN 12831:2003.

Single feed, indirect cylinders are not recommended as should interchange of water occur, fresh aerated water would enter the heating system, resulting in corrosion.

## Water treatment

On completion of the installation, the system should be properly flushed and filled in accordance with the British Standard Code of Practice BS 7593:2006 for the Treatment of Water in Domestic Hot Water Central Heating Systems, Part L of Building Regulations and Good Practice Guidance for Scotland.

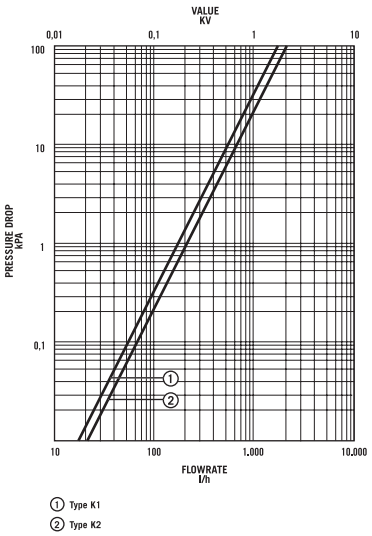
After installation of a new Stelrad radiator the central heating system should be cleaned and flushed with cleaner to remove existing contaminants, flux residue and other installation debris which, if left, can cause damage to the new radiator. Afterwards, treat the system with an inhibitor to ensure long term protection against corrosion and limescale.

A comprehensive range of quality chemicals including inhibitors, cleaners, leak sealers and noise reducers that protect and maintain central heating systems can be obtained from:

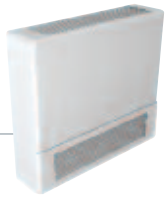
**Sentinel** Performance Solutions Ltd
The Heath Business & Technical Park, Runcorn,
Cheshire WA7 4QX
Tel: 01928 588 330 (UK) www.sentinel-solutions.net

**Fernox** - Cookson Electronics,
Forsyth Road, Sheerwater, Woking, Surrey
GU21 5RZ www.fernox.com

## Pressure drops

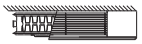


# Stelrad LST Range Standard



## 50 Δt (75/65/20°C)






| Casing Height | Casing Length mm | Emitter Height mm | Emitter Length mm | K1 UIN | K1 Heat output Watts | K1 Heat output Btu/hr | P+ UIN | P+ Heat output Watts | P+ Heat output Btu/hr | K2 UIN | K2 Heat output Watts | K2 Heat output Btu/hr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 500 | 560 | 300 | 400 | 145000 | 196 | 669 | 145008 | 284 | 969 | 145016 | 348 | 1187 |
| | 760 | 300 | 600 | 145001 | 293 | 1000 | 145009 | 426 | 1454 | 145017 | 522 | 1781 |
| | 960 | 300 | 800 | 145002 | 391 | 1334 | 145010 | 568 | 1938 | 145018 | 696 | 2375 |
| | 1160 | 300 | 1000 | 145003 | 489 | 1668 | 145011 | 710 | 2423 | 145019 | 870 | 2968 |
| | 1360 | 300 | 1200 | 145004 | 587 | 2003 | 145012 | 852 | 2907 | 145020 | 1044 | 3562 |
| | 1560 | 300 | 1400 | 145005 | 685 | 2337 | 145013 | 994 | 3392 | 145021 | 1218 | 4156 |
| | 1760 | 300 | 1600 | 145006 | 782 | 2668 | 145014 | 1136 | 3876 | 145022 | 1392 | 4750 |
| | 1960 | 300 | 1800 | 145007 | 880 | 3003 | 145015 | 1278 | 4361 | 145023 | 1566 | 5343 |
| 650 | 560 | 450 | 400 | 145024 | 290 | 989 | 145032 | 386 | 1317 | 145040 | 478 | 1631 |
| | 760 | 450 | 600 | 145025 | 435 | 1484 | 145033 | 580 | 1979 | 145041 | 717 | 2446 |
| | 960 | 450 | 800 | 145026 | 580 | 1979 | 145034 | 773 | 2637 | 145042 | 956 | 3262 |
| | 1160 | 450 | 1000 | 145027 | 725 | 2474 | 145035 | 966 | 3296 | 145043 | 1195 | 4077 |
| | 1360 | 450 | 1200 | 145028 | 870 | 2968 | 145036 | 1159 | 3955 | 145044 | 1434 | 4893 |
| | 1560 | 450 | 1400 | 145029 | 1015 | 3463 | 145037 | 1352 | 4613 | 145045 | 1673 | 5708 |
| | 1760 | 450 | 1600 | 145030 | 1160 | 3958 | 145038 | 1546 | 5275 | 145046 | 1912 | 6524 |
| | 1960 | 450 | 1800 | 145031 | 1305 | 4453 | 145039 | 1739 | 5933 | 145047 | 2151 | 7341 |
| 800 | 560 | 600 | 400 | 145048 | 365 | 1245 | 145056 | 501 | 1709 | 145064 | 615 | 2098 |
| | 760 | 600 | 600 | 145049 | 548 | 1870 | 145057 | 751 | 2562 | 145065 | 922 | 3146 |
| | 960 | 600 | 800 | 145050 | 730 | 2493 | 145058 | 1002 | 3419 | 145066 | 1230 | 4197 |
| | 1160 | 600 | 1000 | 145051 | 913 | 3115 | 145059 | 1252 | 4272 | 145067 | 1537 | 5244 |
| | 1360 | 600 | 1200 | 145052 | 1096 | 3740 | 145060 | 1502 | 5125 | 145068 | 1844 | 6295 |
| | 1560 | 600 | 1400 | 145053 | 1278 | 4361 | 145061 | 1753 | 5981 | 145069 | 2152 | 7343 |
| | 1760 | 600 | 1600 | 145054 | 1461 | 4985 | 145062 | 2003 | 6837 | 145070 | 2459 | 8393 |
| | 1960 | 600 | 1800 | 145055 | 1643 | 5606 | 145063 | 2254 | 7691 | 145071 | 2767 | 9441 |

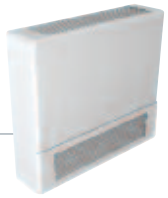
**Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer).**

## 40 Δt (65/55/20°C)



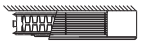

| Casing Height | Casing Length mm | Emitter Height mm | Emitter Length mm | K1 UIN | K1 Heat output Watts | K1 Heat output Btu/hr | P+ UIN | P+ Heat output Watts | P+ Heat output Btu/hr | K2 UIN | K2 Heat output Watts | K2 Heat output Btu/hr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 500 | 560 | 300 | 400 | 145000 | 147 | 500 | 145008 | 212 | 725 | 145016 | 260 | 888 |
| | 760 | 300 | 600 | 145001 | 219 | 748 | 145009 | 319 | 1087 | 145017 | 390 | 1332 |
| | 960 | 300 | 800 | 145002 | 292 | 998 | 145010 | 425 | 1450 | 145018 | 521 | 1776 |
| | 1160 | 300 | 1000 | 145003 | 366 | 1248 | 145011 | 531 | 1812 | 145019 | 651 | 2220 |
| | 1360 | 300 | 1200 | 145004 | 439 | 1498 | 145012 | 637 | 2174 | 145020 | 781 | 2664 |
| | 1560 | 300 | 1400 | 145005 | 512 | 1748 | 145013 | 744 | 2537 | 145021 | 911 | 3109 |
| | 1760 | 300 | 1600 | 145006 | 585 | 1996 | 145014 | 850 | 2899 | 145022 | 1041 | 3553 |
| | 1960 | 300 | 1800 | 145007 | 658 | 2246 | 145015 | 956 | 3262 | 145023 | 1171 | 3997 |
| 650 | 560 | 450 | 400 | 145024 | 217 | 740 | 145032 | 289 | 985 | 145040 | 358 | 1220 |
| | 760 | 450 | 600 | 145025 | 325 | 1110 | 145033 | 434 | 1480 | 145041 | 536 | 1830 |
| | 960 | 450 | 800 | 145026 | 434 | 1480 | 145034 | 578 | 1973 | 145042 | 715 | 2440 |
| | 1160 | 450 | 1000 | 145027 | 542 | 1850 | 145035 | 723 | 2465 | 145043 | 894 | 3050 |
| | 1360 | 450 | 1200 | 145028 | 651 | 2220 | 145036 | 867 | 2958 | 145044 | 1073 | 3660 |
| | 1560 | 450 | 1400 | 145029 | 759 | 2590 | 145037 | 1011 | 3451 | 145045 | 1251 | 4270 |
| | 1760 | 450 | 1600 | 145030 | 868 | 2961 | 145038 | 1156 | 3946 | 145046 | 1430 | 4880 |
| | 1960 | 450 | 1800 | 145031 | 976 | 3331 | 145039 | 1301 | 4438 | 145047 | 1609 | 5490 |
| 800 | 560 | 600 | 400 | 145048 | 273 | 932 | 145056 | 375 | 1279 | 145064 | 460 | 1570 |
| | 760 | 600 | 600 | 145049 | 410 | 1399 | 145057 | 562 | 1917 | 145065 | 690 | 2353 |
| | 960 | 600 | 800 | 145050 | 546 | 1863 | 145058 | 749 | 2557 | 145066 | 920 | 3139 |
| | 1160 | 600 | 1000 | 145051 | 683 | 2330 | 145059 | 936 | 3195 | 145067 | 1150 | 3923 |
| | 1360 | 600 | 1200 | 145052 | 820 | 2797 | 145060 | 1123 | 3833 | 145068 | 1379 | 4706 |
| | 1560 | 600 | 1400 | 145053 | 956 | 3262 | 145061 | 1311 | 4474 | 145069 | 1610 | 5492 |
| | 1760 | 600 | 1600 | 145054 | 1093 | 3729 | 145062 | 1498 | 5112 | 145070 | 1839 | 6276 |
| | 1960 | 600 | 1800 | 145055 | 1229 | 4193 | 145063 | 1686 | 5753 | 145071 | 2070 | 7062 |

# Stelrad LST Range Standard



## 30 Δt (55/45/20°C)





| Casing Height | Casing Length mm | Emitter Height mm | Emitter Length mm | K1 UIN | K1 Watts | K1 Btu/hr | P+ UIN | P+ Watts | P+ Btu/hr | K2 UIN | K2 Watts | K2 Btu/hr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 500 | 560 | 300 | 400 | 145200 | 101 | 344 | 145248 | 146 | 499 | 145224 | 179 | 611 |
| | 760 | 300 | 600 | 145201 | 151 | 515 | 145249 | 219 | 749 | 145225 | 269 | 917 |
| | 960 | 300 | 800 | 145202 | 201 | 687 | 145250 | 293 | 998 | 145226 | 358 | 1223 |
| | 1160 | 300 | 1000 | 145203 | 252 | 859 | 145251 | 366 | 1248 | 145227 | 448 | 1529 |
| | 1360 | 300 | 1200 | 145204 | 302 | 1031 | 145252 | 439 | 1497 | 145228 | 538 | 1834 |
| | 1560 | 300 | 1400 | 145205 | 353 | 1204 | 145253 | 512 | 1747 | 145229 | 627 | 2140 |
| | 1760 | 300 | 1600 | 145206 | 403 | 1374 | 145254 | 585 | 1996 | 145230 | 717 | 2446 |
| | 1960 | 300 | 1800 | 145207 | 453 | 1546 | 145255 | 658 | 2246 | 145231 | 806 | 2752 |
| 650 | 560 | 450 | 400 | 145208 | 149 | 510 | 145256 | 199 | 678 | 145232 | 246 | 840 |
| | 760 | 450 | 600 | 145209 | 224 | 764 | 145257 | 299 | 1019 | 145233 | 369 | 1260 |
| | 960 | 450 | 800 | 145210 | 299 | 1019 | 145258 | 398 | 1358 | 145234 | 492 | 1680 |
| | 1160 | 450 | 1000 | 145211 | 373 | 1274 | 145259 | 497 | 1697 | 145235 | 615 | 2100 |
| | 1360 | 450 | 1200 | 145212 | 448 | 1529 | 145260 | 597 | 2037 | 145236 | 739 | 2520 |
| | 1560 | 450 | 1400 | 145213 | 523 | 1784 | 145261 | 696 | 2376 | 145237 | 862 | 2940 |
| | 1760 | 450 | 1600 | 145214 | 597 | 2038 | 145262 | 796 | 2717 | 145238 | 985 | 3360 |
| | 1960 | 450 | 1800 | 145215 | 672 | 2293 | 145263 | 896 | 3056 | 145239 | 1108 | 3780 |
| 800 | 560 | 600 | 400 | 145216 | 188 | 641 | 145264 | 258 | 880 | 145240 | 317 | 1081 |
| | 760 | 600 | 600 | 145217 | 282 | 963 | 145265 | 387 | 1320 | 145241 | 475 | 1620 |
| | 960 | 600 | 800 | 145218 | 376 | 1283 | 145266 | 516 | 1761 | 145242 | 633 | 2161 |
| | 1160 | 600 | 1000 | 145219 | 470 | 1604 | 145267 | 645 | 2200 | 145243 | 792 | 2701 |
| | 1360 | 600 | 1200 | 145220 | 564 | 1926 | 145268 | 774 | 2639 | 145244 | 950 | 3240 |
| | 1560 | 600 | 1400 | 145221 | 658 | 2246 | 145269 | 903 | 3080 | 145245 | 1108 | 3781 |
| | 1760 | 600 | 1600 | 145222 | 752 | 2567 | 145270 | 1032 | 3520 | 145246 | 1266 | 4321 |
| | 1960 | 600 | 1800 | 145223 | 846 | 2887 | 145271 | 1161 | 3961 | 145247 | 1425 | 4862 |

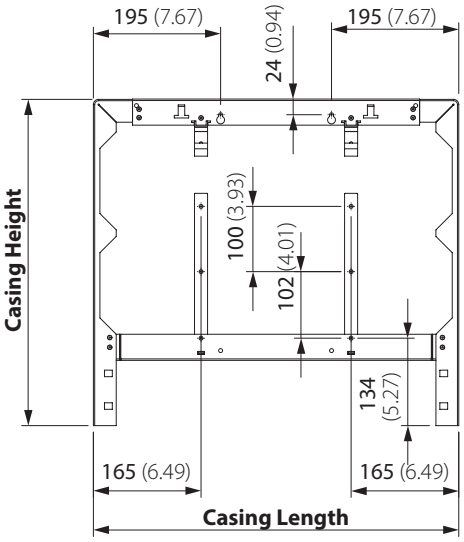
## EN 442 Certification Data - CETIAT tested in accordance with BS EN 442

| Type | K1 | | | P+ | | | K2 | | |
|---|---|---|---|---|---|---|---|---|---|
| Casing Height | 500 | 650 | 800 | 500 | 650 | 800 | 500 | 650 | 800 |
| Emitter Height | 300 | 450 | 600 | 300 | 450 | 600 | 300 | 450 | 600 |
| W/m at 75/65/20 | 489 | 725 | 913 | 710 | 966 | 1252 | 870 | 1195 | 1537 |
| n-coefficients | 1.19 | 1.25 | 1.34 | 1.24 | 1.27 | 1.31 | 1.27 | 1.30 | 1.32 |
| Heated Surface Area (m²/m) | 2.09 | 3.37 | 4.66 | 2.44 | 3.84 | 5.24 | 3.51 | 5.62 | 7.74 |
| Weight (kg/m) | 17.80 | 23.50 | 29.40 | 22.70 | 30.72 | 38.40 | 24.40 | 33.30 | 42.50 |
| Water Contents (l/m) | 1.89 | 2.57 | 3.25 | 3.70 | 5.15 | 6.60 | 3.70 | 5.15 | 6.60 |

# LST Standard wall fixings & bracket positions

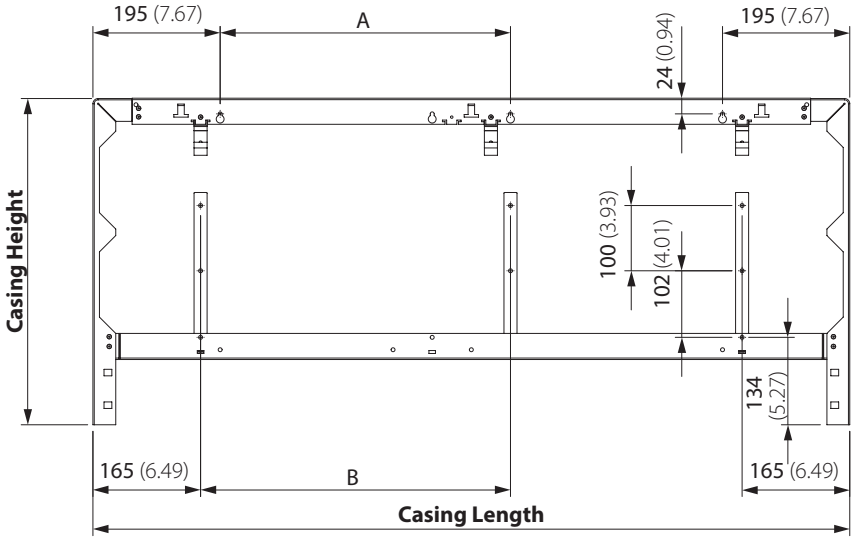
All dimensions in mm. Inches in brackets.

| Casing Length | Casing Height |
|---|---|
| 560 | 500 |
| 760 | 650 |
| 960 | 800 |



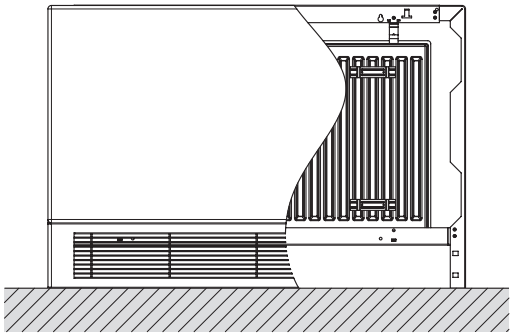

| Casing Length | A | B |
|---|---|---|
| 1160 | 445 | 475 |
| 1360 | 545 | 575 |
| 1560 | 645 | 675 |
| 1760 | 745 | 775 |
| 1960 | 845 | 875 |

| Casing Height |
|---|
| 500 |
| 650 |
| 800 |

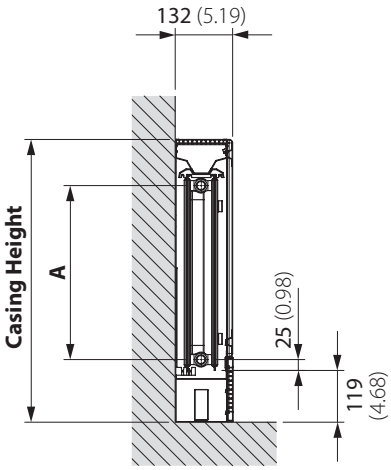


## LST Standard connection options

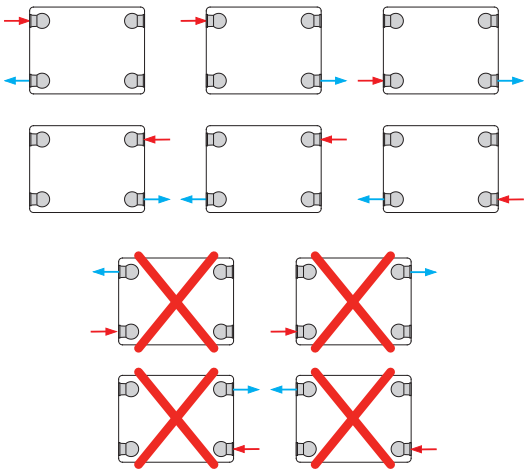
All dimensions in mm. Inches in brackets.



| Casing Height | A |
|---|---|
| 500 | 250 |
| 650 | 400 |
| 800 | 550 |




## LST Standard piping options



# Stelrad LST Range Plus Vertical

## 50 Δt (75/65/20°C)

| Casing Height | Casing Length mm | Emitter Height mm | Emitter Length mm | UIN | Heat output Watts | Heat output Btu/hr |
|---|---|---|---|---|---|---|
| 2110 | 560 | 1800 | 400 | 142241 | 1271 | 4336 |
| | 660 | 1800 | 500 | 142242 | 1588 | 5418 |
| | 760 | 1800 | 600 | 142243 | 1855 | 6329 |

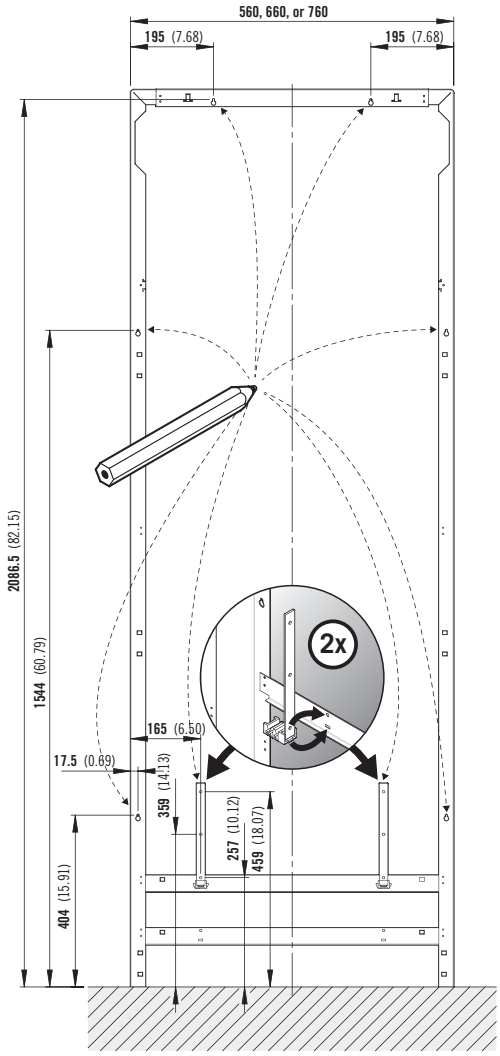
**Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer).**

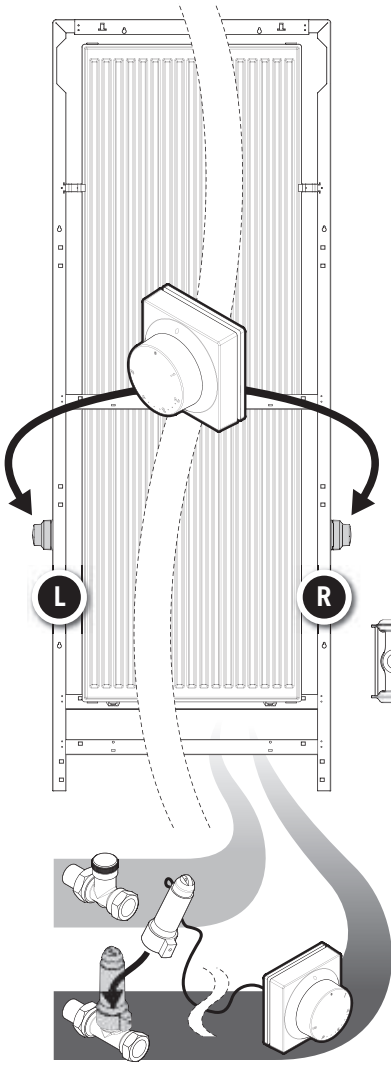
## LST Plus Vertical installation instructions

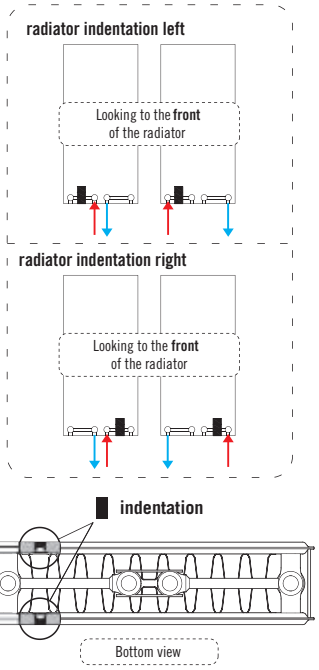
All dimensions in mm. Inches in brackets.

Present casing and bottom bracket to the wall and mark drill hole positions.

Fit pipework and valve connections to the radiators.

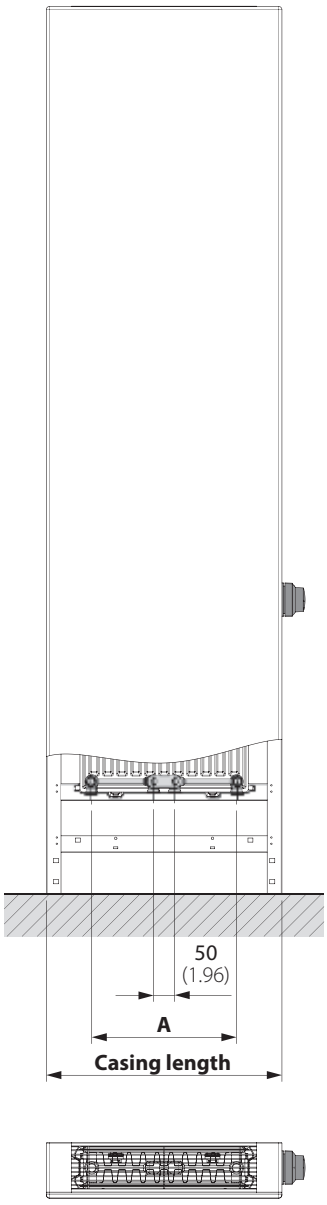


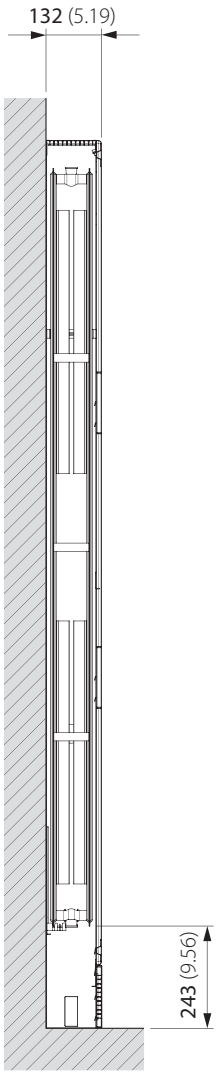



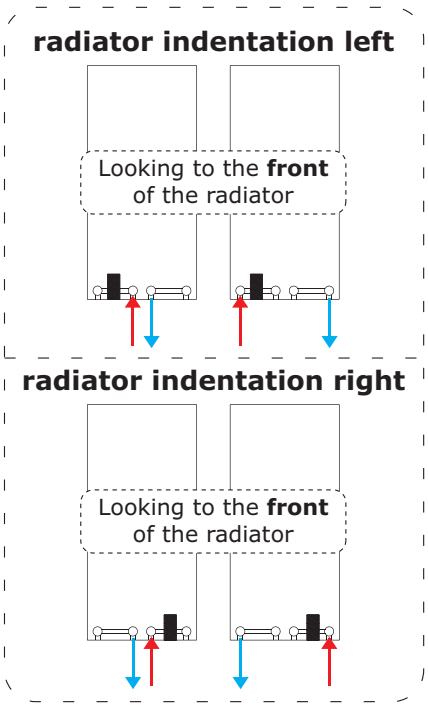
# LST Plus Vertical connection options

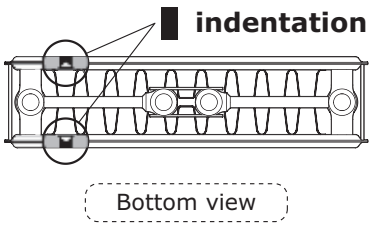
All dimensions in mm. Inches in brackets.




| Casing Length | A |
|---|---|
| 560 | 344 |
| 660 | 444 |
| 760 | 544 |



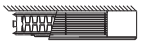



# Stelrad LST Range Plus

## 50 Δt (75/65/20°C)






| Casing Height | Casing Length mm | Emitter Height mm | Emitter Length mm | K1 UIN | K1 Heat output Watts | K1 Heat output Btu/hr | P+ UIN | P+ Heat output Watts | P+ Heat output Btu/hr | K2 UIN | K2 Heat output Watts | K2 Heat output Btu/hr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 500* | 650 | 300 | 400 | 142169 | 203 | 693 | 142217 | 290 | 989 | 142193 | 362 | 1235 |
| | 850 | 300 | 600 | 142170 | 304 | 1037 | 142218 | 435 | 1484 | 142194 | 542 | 1849 |
| | 1050 | 300 | 800 | 142171 | 406 | 1385 | 142219 | 580 | 1979 | 142195 | 723 | 2467 |
| | 1250 | 300 | 1000 | 142172 | 507 | 1730 | 142220 | 725 | 2474 | 142196 | 904 | 3084 |
| | 1450 | 300 | 1200 | 142173 | 608 | 2074 | 142221 | 870 | 2968 | 142197 | 1085 | 3702 |
| | 1650 | 300 | 1400 | 142174 | 710 | 2423 | 142222 | 1015 | 3463 | 142198 | 1266 | 4320 |
| | 1850 | 300 | 1600 | 142175 | 811 | 2767 | 142223 | 1160 | 3958 | 142199 | 1446 | 4934 |
| | 2050 | 300 | 1800 | 142176 | 913 | 3115 | 142224 | 1305 | 4453 | 142200 | 1627 | 5551 |
| 650** | 650 | 400 | 400 | 142177 | 264 | 901 | 142225 | 388 | 1324 | 142201 | 456 | 1556 |
| | 850 | 400 | 600 | 142178 | 397 | 1355 | 142226 | 581 | 1982 | 142202 | 685 | 2337 |
| | 1050 | 400 | 800 | 142179 | 529 | 1805 | 142227 | 775 | 2644 | 142203 | 913 | 3115 |
| | 1250 | 400 | 1000 | 142180 | 661 | 2255 | 142228 | 969 | 3306 | 142204 | 1141 | 3893 |
| | 1450 | 400 | 1200 | 142181 | 793 | 2706 | 142229 | 1163 | 3968 | 142205 | 1369 | 4671 |
| | 1650 | 400 | 1400 | 142182 | 925 | 3156 | 142230 | 1357 | 4630 | 142206 | 1597 | 5449 |
| | 1850 | 400 | 1600 | 142183 | 1058 | 3610 | 142231 | 1550 | 5289 | 142207 | 1825 | 6227 |
| | 2050 | 400 | 1800 | 142184 | 1190 | 4060 | 142232 | 1744 | 5951 | 142208 | 2054 | 7008 |
| 750*** | 650 | 500 | 400 | 142185 | 336 | 1146 | 142233 | 461 | 1573 | 142209 | 558 | 1904 |
| | 850 | 500 | 600 | 142186 | 503 | 1716 | 142234 | 692 | 2361 | 142210 | 837 | 2856 |
| | 1050 | 500 | 800 | 142187 | 671 | 2289 | 142235 | 922 | 3146 | 142211 | 1116 | 3808 |
| | 1250 | 500 | 1000 | 142188 | 839 | 2863 | 142236 | 1153 | 3934 | 142212 | 1395 | 4760 |
| | 1450 | 500 | 1200 | 142189 | 1007 | 3436 | 142237 | 1384 | 4722 | 142213 | 1674 | 5712 |
| | 1650 | 500 | 1400 | 142190 | 1175 | 4009 | 142238 | 1614 | 5507 | 142214 | 1953 | 6664 |
| | 1850 | 500 | 1600 | 142191 | 1342 | 4579 | 142239 | 1845 | 6295 | 142215 | 2232 | 7616 |
| | 2050 | 500 | 1800 | 142192 | 1510 | 5152 | 142240 | 2075 | 7080 | 142216 | 2511 | 8568 |

*500 integral kick grille **650 height includes 150mm removable kick grille ***750 height includes 150mm removable kick grille

**Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer).**

## 40 Δt (65/55/20°C)



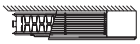

| Casing Height | Casing Length mm | Emitter Height mm | Emitter Length mm | K1 UIN | K1 Heat output Watts | K1 Heat output Btu/hr | P+ UIN | P+ Heat output Watts | P+ Heat output Btu/hr | K2 UIN | K2 Heat output Watts | K2 Heat output Btu/hr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 500* | 650 | 300 | 400 | 142169 | 152 | 518 | 142217 | 217 | 740 | 142193 | 271 | 924 |
| | 850 | 300 | 600 | 142170 | 227 | 776 | 142218 | 325 | 1110 | 142194 | 405 | 1383 |
| | 1050 | 300 | 800 | 142171 | 304 | 1036 | 142219 | 434 | 1480 | 142195 | 541 | 1845 |
| | 1250 | 300 | 1000 | 142172 | 379 | 1294 | 142220 | 542 | 1850 | 142196 | 676 | 2307 |
| | 1450 | 300 | 1200 | 142173 | 455 | 1552 | 142221 | 651 | 2220 | 142197 | 812 | 2769 |
| | 1650 | 300 | 1400 | 142174 | 531 | 1812 | 142222 | 759 | 2590 | 142198 | 947 | 3231 |
| | 1850 | 300 | 1600 | 142175 | 607 | 2070 | 142223 | 868 | 2961 | 142199 | 1082 | 3690 |
| | 2050 | 300 | 1800 | 142176 | 683 | 2330 | 142224 | 976 | 3331 | 142200 | 1217 | 4152 |
| 650** | 650 | 400 | 400 | 142177 | 197 | 674 | 142225 | 290 | 990 | 142201 | 341 | 1164 |
| | 850 | 400 | 600 | 142178 | 297 | 1013 | 142226 | 435 | 1483 | 142202 | 512 | 1748 |
| | 1050 | 400 | 800 | 142179 | 396 | 1350 | 142227 | 580 | 1978 | 142203 | 683 | 2330 |
| | 1250 | 400 | 1000 | 142180 | 494 | 1687 | 142228 | 725 | 2473 | 142204 | 853 | 2912 |
| | 1450 | 400 | 1200 | 142181 | 593 | 2024 | 142229 | 870 | 2968 | 142205 | 1024 | 3494 |
| | 1650 | 400 | 1400 | 142182 | 692 | 2361 | 142230 | 1015 | 3463 | 142206 | 1195 | 4076 |
| | 1850 | 400 | 1600 | 142183 | 791 | 2700 | 142231 | 1159 | 3956 | 142207 | 1365 | 4658 |
| | 2050 | 400 | 1800 | 142184 | 890 | 3037 | 142232 | 1305 | 4451 | 142208 | 1536 | 5242 |
| 750*** | 650 | 500 | 400 | 142185 | 251 | 858 | 142233 | 345 | 1177 | 142209 | 417 | 1424 |
| | 850 | 500 | 600 | 142186 | 376 | 1284 | 142234 | 518 | 1766 | 142210 | 626 | 2136 |
| | 1050 | 500 | 800 | 142187 | 502 | 1713 | 142235 | 690 | 2353 | 142211 | 835 | 2848 |
| | 1250 | 500 | 1000 | 142188 | 628 | 2141 | 142236 | 862 | 2943 | 142212 | 1043 | 3560 |
| | 1450 | 500 | 1200 | 142189 | 753 | 2570 | 142237 | 1035 | 3532 | 142213 | 1252 | 4272 |
| | 1650 | 500 | 1400 | 142190 | 879 | 2999 | 142238 | 1207 | 4119 | 142214 | 1461 | 4984 |
| | 1850 | 500 | 1600 | 142191 | 1004 | 3425 | 142239 | 1380 | 4709 | 142215 | 1670 | 5696 |
| | 2050 | 500 | 1800 | 142192 | 1129 | 3854 | 142240 | 1552 | 5296 | 142216 | 1878 | 6409 |

*500 integral kick grille **650 height includes 150mm removable kick grille ***750 height includes 150mm removable kick grille

# Stelrad LST Range Plus

## 30 Δt (55/45/20°C)





| Casing Height | Casing Length mm | Emitter Height mm | Emitter Length mm | K1 UIN | K1 Watts | K1 Btu/hr | P+ UIN | P+ Watts | P+ Btu/hr | K2 UIN | K2 Watts | K2 Btu/hr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 500* | 650 | 300 | 400 | 142169 | 105 | 357 | 142217 | 149 | 510 | 142193 | 186 | 636 |
| | 850 | 300 | 600 | 142170 | 157 | 534 | 142218 | 224 | 764 | 142194 | 279 | 952 |
| | 1050 | 300 | 800 | 142171 | 209 | 713 | 142219 | 299 | 1019 | 142195 | 372 | 1270 |
| | 1250 | 300 | 1000 | 142172 | 261 | 891 | 142220 | 373 | 1274 | 142196 | 466 | 1588 |
| | 1450 | 300 | 1200 | 142173 | 313 | 1068 | 142221 | 448 | 1529 | 142197 | 559 | 1907 |
| | 1650 | 300 | 1400 | 142174 | 366 | 1248 | 142222 | 523 | 1784 | 142198 | 652 | 2225 |
| | 1850 | 300 | 1600 | 142175 | 418 | 1425 | 142223 | 597 | 2038 | 142199 | 745 | 2541 |
| | 2050 | 300 | 1800 | 142176 | 470 | 1604 | 142224 | 672 | 2293 | 142200 | 838 | 2859 |
| 650** | 650 | 400 | 400 | 142177 | 136 | 464 | 142225 | 200 | 682 | 142201 | 235 | 801 |
| | 850 | 400 | 600 | 142178 | 204 | 698 | 142226 | 299 | 1021 | 142202 | 353 | 1204 |
| | 1050 | 400 | 800 | 142179 | 272 | 930 | 142227 | 399 | 1362 | 142203 | 470 | 1604 |
| | 1250 | 400 | 1000 | 142180 | 340 | 1161 | 142228 | 499 | 1703 | 142204 | 588 | 2005 |
| | 1450 | 400 | 1200 | 142181 | 408 | 1393 | 142229 | 599 | 2044 | 142205 | 705 | 2406 |
| | 1650 | 400 | 1400 | 142182 | 476 | 1625 | 142230 | 699 | 2384 | 142206 | 822 | 2806 |
| | 1850 | 400 | 1600 | 142183 | 545 | 1859 | 142231 | 798 | 2724 | 142207 | 940 | 3207 |
| | 2050 | 400 | 1800 | 142184 | 613 | 2091 | 142232 | 898 | 3065 | 142208 | 1058 | 3609 |
| 750*** | 650 | 500 | 400 | 142185 | 173 | 590 | 142233 | 237 | 810 | 142209 | 287 | 981 |
| | 850 | 500 | 600 | 142186 | 259 | 884 | 142234 | 356 | 1216 | 142210 | 431 | 1471 |
| | 1050 | 500 | 800 | 142187 | 346 | 1179 | 142235 | 475 | 1620 | 142211 | 575 | 1961 |
| | 1250 | 500 | 1000 | 142188 | 432 | 1474 | 142236 | 594 | 2026 | 142212 | 718 | 2451 |
| | 1450 | 500 | 1200 | 142189 | 519 | 1769 | 142237 | 713 | 2432 | 142213 | 862 | 2942 |
| | 1650 | 500 | 1400 | 142190 | 605 | 2065 | 142238 | 831 | 2836 | 142214 | 1006 | 3432 |
| | 1850 | 500 | 1600 | 142191 | 691 | 2358 | 142239 | 950 | 3242 | 142215 | 1149 | 3922 |
| | 2050 | 500 | 1800 | 142192 | 778 | 2653 | 142240 | 1069 | 3646 | 142216 | 1293 | 4412 |

*500 integral kick grille **650 height includes 150mm removable kick grille ***750 height includes 150mm removable kick grille

### EN 442 Certification Data – BSRIA tested in accordance with BS EN 442

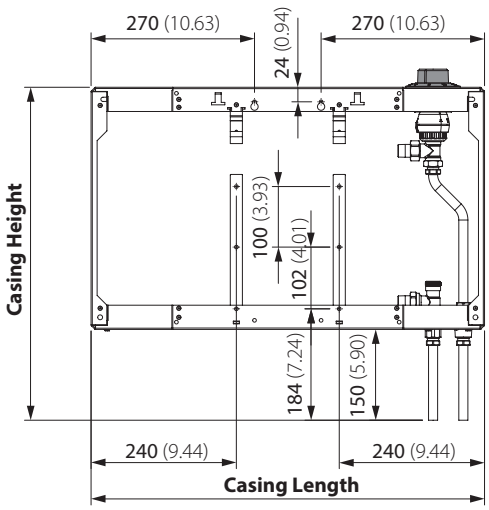
| Type | K1 | | | P+ | | | K2 | | |
|---|---|---|---|---|---|---|---|---|---|
| Overall Height | 500 | 650 | 750 | 500 | 650 | 750 | 500 | 650 | 750 |
| Emitter Height | 300 | 400 | 500 | 300 | 400 | 500 | 300 | 400 | 500 |
| W/m at 80/60/20 | 507 | 661 | 839 | 727 | 969 | 1153 | 904 | 1141 | 1395 |
| n-coefficients | 1.26 | 1.35 | 1.32 | 1.32 | 1.32 | 1.34 | 1.31 | 1.34 | 1.36 |
| Heated Surface Area ($m^2/m$) | 2.09 | 2.95 | 3.80 | 2.44 | 3.37 | 4.31 | 3.51 | 4.92 | 6.33 |
| Weight (kg/m) | 9.31 | 12.78 | 16.24 | 14.29 | 19.46 | 24.63 | 16.18 | 22.87 | 28.93 |
| Water Contents (l/m) | 1.89 | 2.57 | 3.25 | 3.70 | 5.15 | 6.60 | 3.70 | 5.15 | 6.60 |

## LST Plus wall fixings and bracket positions (height 650mm and 750mm)

All dimensions in mm. Inches in brackets.

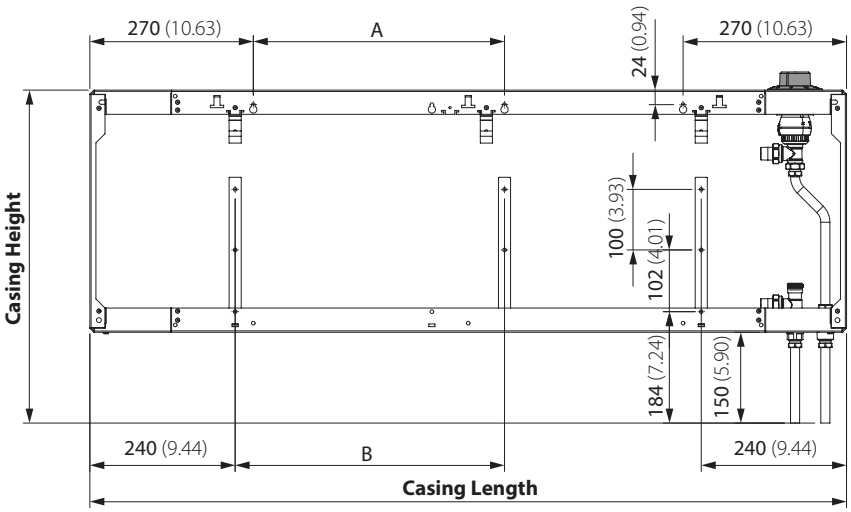
| Casing Length |
|---|
| 650 |
| 850 |
| 1050 |

| Casing Height |
|---|
| 650 |
| 750 |



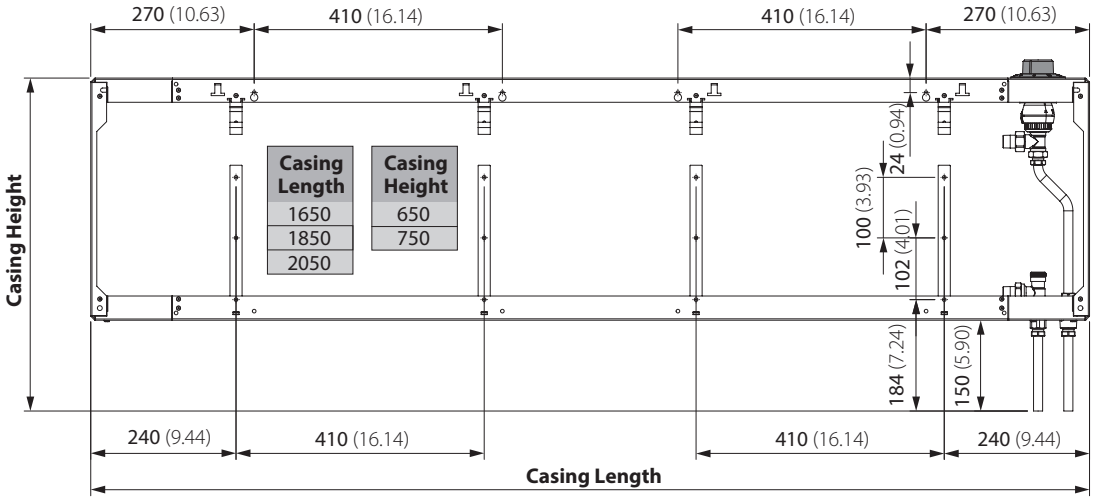

| Casing Length | A | B |
|---|---|---|
| 1250 | 415 | 445 |
| 1450 | 515 | 545 |

| Casing Height |
|---|
| 650 |
| 750 |




| Casing Length |
|---|
| 1650 |
| 1850 |
| 2050 |

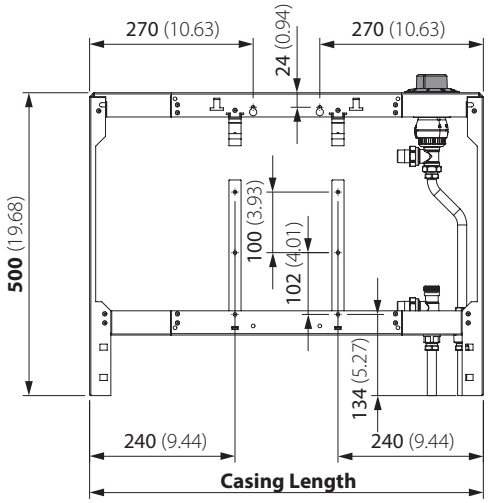
| Casing Height |
|---|
| 650 |
| 750 |



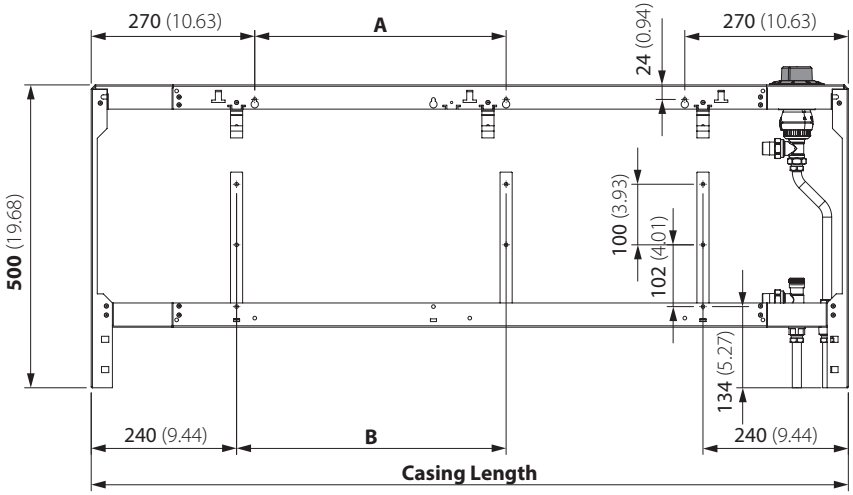
# LST Plus floor mounting bracket positions (height 500mm)

All dimensions in mm. Inches in brackets.

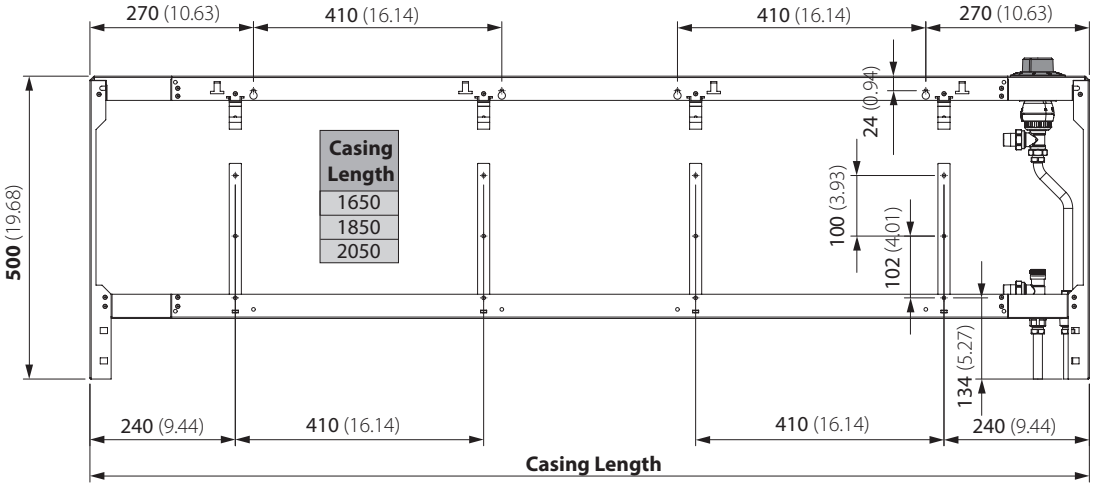
| Casing Length |
|---|
| 650 |
| 850 |
| 1050 |




| Casing Length | A | B |
|---|---|---|
| 1250 | 415 | 445 |
| 1450 | 515 | 545 |



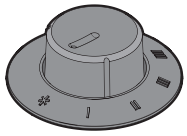

| Casing Length |
|---|
| 1650 |
| 1850 |
| 2050 |

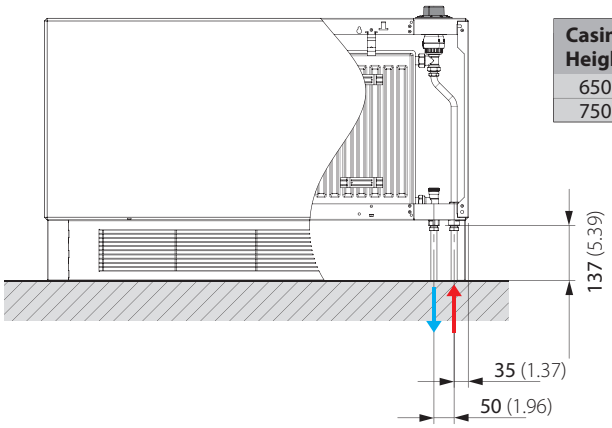


# LST Plus connection options (height 650 and 750mm)

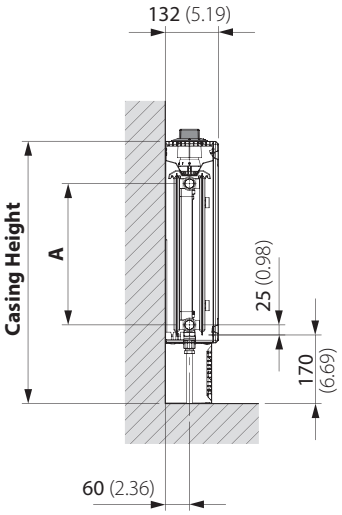
All dimensions in mm. Inches in brackets.

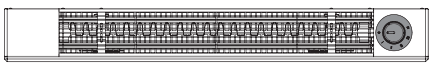
## Control on right-hand side



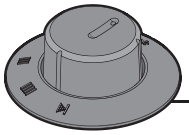


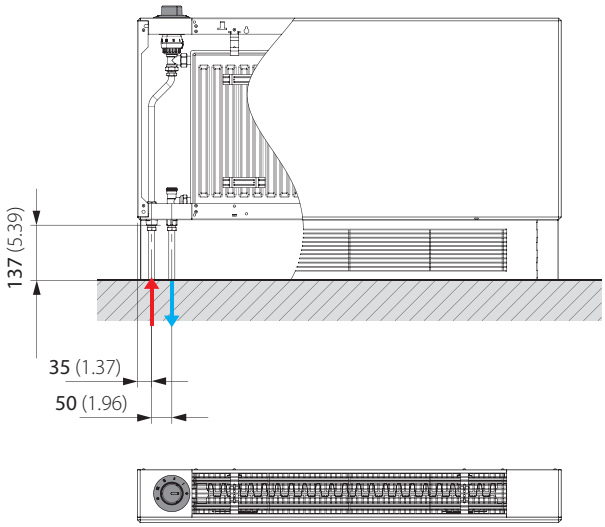

| Casing Height | A |
|---|---|
| 650 | 350 |
| 750 | 450 |



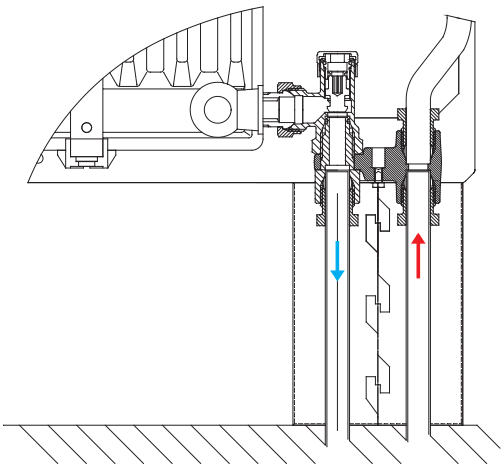
## Control on left-hand side







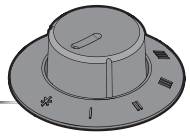

## Pipe configurations

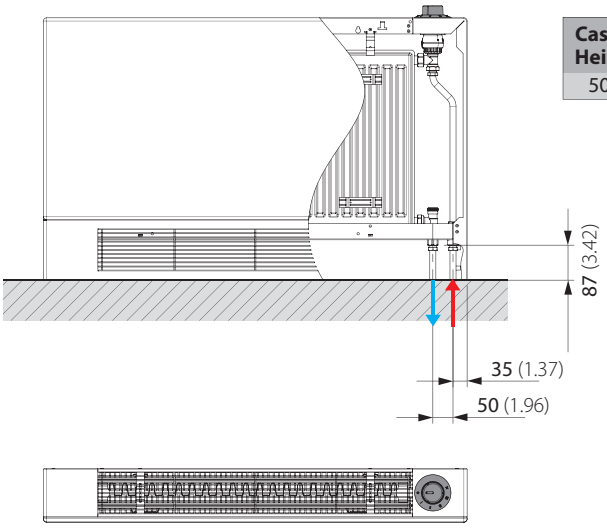


# LST Plus connection options (height 500mm)

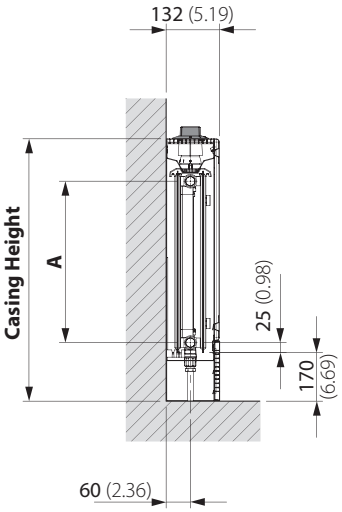
All dimensions in mm. Inches in brackets.

## Control on right-hand side

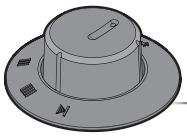


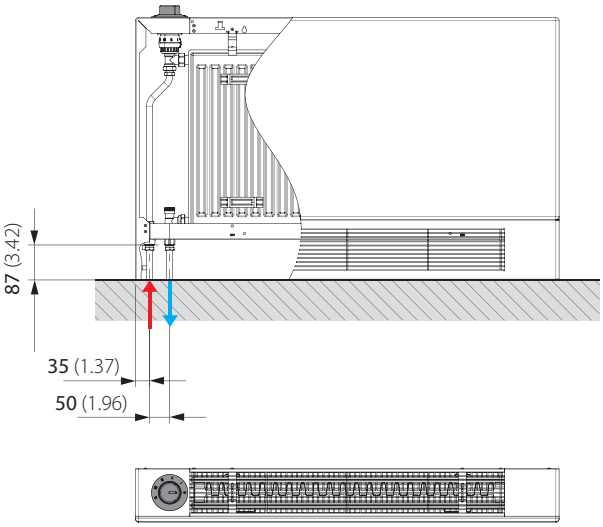



| Casing Height | A |
|---|---|
| 500 | 250 |




## Control on left-hand side

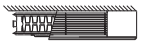




# Stelrad LST Range i Plus

## 50 Δt (75/65/20°C)






| Casing Height | Casing Length mm | Emitter Height mm | Emitter Length mm | K1 UIN | K1 Heat output Watts | K1 Heat output Btu/hr | P+ UIN | P+ Heat output Watts | P+ Heat output Btu/hr | K2 UIN | K2 Heat output Watts | K2 Heat output Btu/hr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 500 | 650 | 300 | 400 | 145200 | 196 | 669 | 145248 | 284 | 969 | 145224 | 348 | 1187 |
| | 850 | 300 | 600 | 145201 | 293 | 1000 | 145249 | 426 | 1454 | 145225 | 522 | 1781 |
| | 1050 | 300 | 800 | 145202 | 391 | 1334 | 145250 | 568 | 1938 | 145226 | 696 | 2375 |
| | 1250 | 300 | 1000 | 145203 | 489 | 1668 | 145251 | 710 | 2423 | 145227 | 870 | 2968 |
| | 1450 | 300 | 1200 | 145204 | 587 | 2003 | 145252 | 852 | 2907 | 145228 | 1044 | 3562 |
| | 1650 | 300 | 1400 | 145205 | 685 | 2337 | 145253 | 994 | 3392 | 145229 | 1218 | 4156 |
| | 1850 | 300 | 1600 | 145206 | 782 | 2668 | 145254 | 1136 | 3876 | 145230 | 1392 | 4750 |
| | 2050 | 300 | 1800 | 145207 | 880 | 3003 | 145255 | 1278 | 4361 | 145231 | 1566 | 5343 |
| 650 | 650 | 450 | 400 | 145208 | 290 | 989 | 145256 | 386 | 1317 | 145232 | 478 | 1631 |
| | 850 | 450 | 600 | 145209 | 435 | 1484 | 145257 | 580 | 1979 | 145233 | 717 | 2446 |
| | 1050 | 450 | 800 | 145210 | 580 | 1979 | 145258 | 773 | 2637 | 145234 | 956 | 3262 |
| | 1250 | 450 | 1000 | 145211 | 725 | 2474 | 145259 | 966 | 3296 | 145235 | 1195 | 4077 |
| | 1450 | 450 | 1200 | 145212 | 870 | 2968 | 145260 | 1159 | 3955 | 145236 | 1434 | 4893 |
| | 1650 | 450 | 1400 | 145213 | 1015 | 3463 | 145261 | 1352 | 4613 | 145237 | 1673 | 5708 |
| | 1850 | 450 | 1600 | 145214 | 1160 | 3958 | 145262 | 1546 | 5275 | 145238 | 1912 | 6524 |
| | 2050 | 450 | 1800 | 145215 | 1305 | 4453 | 145263 | 1739 | 5933 | 145239 | 2151 | 7341 |
| 800 | 650 | 600 | 400 | 145216 | 365 | 1245 | 145264 | 501 | 1709 | 145240 | 615 | 2098 |
| | 850 | 600 | 600 | 145217 | 548 | 1870 | 145265 | 751 | 2562 | 145241 | 922 | 3146 |
| | 1050 | 600 | 800 | 145218 | 730 | 2493 | 145266 | 1002 | 3419 | 145242 | 1230 | 4197 |
| | 1250 | 600 | 1000 | 145219 | 913 | 3115 | 145267 | 1252 | 4272 | 145243 | 1537 | 5244 |
| | 1450 | 600 | 1200 | 145220 | 1096 | 3740 | 145268 | 1502 | 5125 | 145244 | 1844 | 6295 |
| | 1650 | 600 | 1400 | 145221 | 1278 | 4361 | 145269 | 1753 | 5981 | 145245 | 2152 | 7343 |
| | 1850 | 600 | 1600 | 145222 | 1461 | 4985 | 145270 | 2003 | 6837 | 145246 | 2459 | 8393 |
| | 2050 | 600 | 1800 | 145223 | 1643 | 5606 | 145271 | 2254 | 7691 | 145247 | 2767 | 9441 |

**Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer).**

## 40 Δt (55/45/20°C)

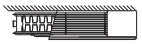



| Casing Height | Casing Length mm | Emitter Height mm | Emitter Length mm | K1 UIN | K1 Heat output Watts | K1 Heat output Btu/hr | P+ UIN | P+ Heat output Watts | P+ Heat output Btu/hr | K2 UIN | K2 Heat output Watts | K2 Heat output Btu/hr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 500 | 650 | 300 | 400 | 145200 | 147 | 500 | 145248 | 212 | 725 | 145224 | 260 | 888 |
| | 850 | 300 | 600 | 145201 | 219 | 748 | 145249 | 319 | 1087 | 145225 | 390 | 1332 |
| | 1050 | 300 | 800 | 145202 | 292 | 998 | 145250 | 425 | 1450 | 145226 | 521 | 1776 |
| | 1250 | 300 | 1000 | 145203 | 366 | 1248 | 145251 | 531 | 1812 | 145227 | 651 | 2220 |
| | 1450 | 300 | 1200 | 145204 | 439 | 1498 | 145252 | 637 | 2174 | 145228 | 781 | 2664 |
| | 1650 | 300 | 1400 | 145205 | 512 | 1748 | 145253 | 744 | 2537 | 145229 | 911 | 3109 |
| | 1850 | 300 | 1600 | 145206 | 585 | 1996 | 145254 | 850 | 2899 | 145230 | 1041 | 3553 |
| | 2050 | 300 | 1800 | 145207 | 658 | 2246 | 145255 | 956 | 3262 | 145231 | 1171 | 3997 |
| 650 | 650 | 450 | 400 | 145208 | 217 | 740 | 145256 | 289 | 985 | 145232 | 358 | 1220 |
| | 850 | 450 | 600 | 145209 | 325 | 1110 | 145257 | 434 | 1480 | 145233 | 536 | 1830 |
| | 1050 | 450 | 800 | 145210 | 434 | 1480 | 145258 | 578 | 1973 | 145234 | 715 | 2440 |
| | 1250 | 450 | 1000 | 145211 | 542 | 1850 | 145259 | 723 | 2465 | 145235 | 894 | 3050 |
| | 1450 | 450 | 1200 | 145212 | 651 | 2220 | 145260 | 867 | 2958 | 145236 | 1073 | 3660 |
| | 1650 | 450 | 1400 | 145213 | 759 | 2590 | 145261 | 1011 | 3451 | 145237 | 1251 | 4270 |
| | 1850 | 450 | 1600 | 145214 | 868 | 2961 | 145262 | 1156 | 3946 | 145238 | 1430 | 4880 |
| | 2050 | 450 | 1800 | 145215 | 976 | 3331 | 145263 | 1301 | 4438 | 145239 | 1609 | 5490 |
| 800 | 650 | 600 | 400 | 145216 | 273 | 932 | 145264 | 375 | 1279 | 145240 | 460 | 1570 |
| | 850 | 600 | 600 | 145217 | 410 | 1399 | 145265 | 562 | 1917 | 145241 | 690 | 2353 |
| | 1050 | 600 | 800 | 145218 | 546 | 1863 | 145266 | 749 | 2557 | 145242 | 920 | 3139 |
| | 1250 | 600 | 1000 | 145219 | 683 | 2330 | 145267 | 936 | 3195 | 145243 | 1150 | 3923 |
| | 1450 | 600 | 1200 | 145220 | 820 | 2797 | 145268 | 1123 | 3833 | 145244 | 1379 | 4706 |
| | 1650 | 600 | 1400 | 145221 | 956 | 3262 | 145269 | 1311 | 4474 | 145245 | 1610 | 5492 |
| | 1850 | 600 | 1600 | 145222 | 1093 | 3729 | 145270 | 1498 | 5112 | 145246 | 1839 | 6276 |
| | 2050 | 600 | 1800 | 145223 | 1229 | 4193 | 145271 | 1686 | 5753 | 145247 | 2070 | 7062 |

# Stelrad LST Range i Plus

## 30 Δt (55/45/20°C)





| Casing Height | Casing Length mm | Emitter Height mm | Emitter Length mm | K1 UIN | K1 Watts | K1 Btu/hr | P+ UIN | P+ Watts | P+ Btu/hr | K2 UIN | K2 Watts | K2 Btu/hr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 500 | 650 | 300 | 400 | 145200 | 101 | 344 | 145248 | 146 | 499 | 145224 | 179 | 611 |
| | 850 | 300 | 600 | 145201 | 151 | 515 | 145249 | 219 | 749 | 145225 | 269 | 917 |
| | 1050 | 300 | 800 | 145202 | 201 | 687 | 145250 | 293 | 998 | 145226 | 358 | 1223 |
| | 1250 | 300 | 1000 | 145203 | 252 | 859 | 145251 | 366 | 1248 | 145227 | 448 | 1529 |
| | 1450 | 300 | 1200 | 145204 | 302 | 1031 | 145252 | 439 | 1497 | 145228 | 538 | 1834 |
| | 1650 | 300 | 1400 | 145205 | 353 | 1204 | 145253 | 512 | 1747 | 145229 | 627 | 2140 |
| | 1850 | 300 | 1600 | 145206 | 403 | 1374 | 145254 | 585 | 1996 | 145230 | 717 | 2446 |
| | 2050 | 300 | 1800 | 145207 | 453 | 1546 | 145255 | 658 | 2246 | 145231 | 806 | 2752 |
| 650 | 650 | 450 | 400 | 145208 | 149 | 510 | 145256 | 199 | 678 | 145232 | 246 | 840 |
| | 850 | 450 | 600 | 145209 | 224 | 764 | 145257 | 299 | 1019 | 145233 | 369 | 1260 |
| | 1050 | 450 | 800 | 145210 | 299 | 1019 | 145258 | 398 | 1358 | 145234 | 492 | 1680 |
| | 1250 | 450 | 1000 | 145211 | 373 | 1274 | 145259 | 497 | 1697 | 145235 | 615 | 2100 |
| | 1450 | 450 | 1200 | 145212 | 448 | 1529 | 145260 | 597 | 2037 | 145236 | 739 | 2520 |
| | 1650 | 450 | 1400 | 145213 | 523 | 1784 | 145261 | 696 | 2376 | 145237 | 862 | 2940 |
| | 1850 | 450 | 1600 | 145214 | 597 | 2038 | 145262 | 796 | 2717 | 145238 | 985 | 3360 |
| | 2050 | 450 | 1800 | 145215 | 672 | 2293 | 145263 | 896 | 3056 | 145239 | 1108 | 3780 |
| 800 | 650 | 600 | 400 | 145216 | 188 | 641 | 145264 | 258 | 880 | 145240 | 317 | 1081 |
| | 850 | 600 | 600 | 145217 | 282 | 963 | 145265 | 387 | 1320 | 145241 | 475 | 1620 |
| | 1050 | 600 | 800 | 145218 | 376 | 1283 | 145266 | 516 | 1761 | 145242 | 633 | 2161 |
| | 1250 | 600 | 1000 | 145219 | 470 | 1604 | 145267 | 645 | 2200 | 145243 | 792 | 2701 |
| | 1450 | 600 | 1200 | 145220 | 564 | 1926 | 145268 | 774 | 2639 | 145244 | 950 | 3240 |
| | 1650 | 600 | 1400 | 145221 | 658 | 2246 | 145269 | 903 | 3080 | 145245 | 1108 | 3781 |
| | 1850 | 600 | 1600 | 145222 | 752 | 2567 | 145270 | 1032 | 3520 | 145246 | 1266 | 4321 |
| | 2050 | 600 | 1800 | 145223 | 846 | 2887 | 145271 | 1161 | 3961 | 145247 | 1425 | 4862 |

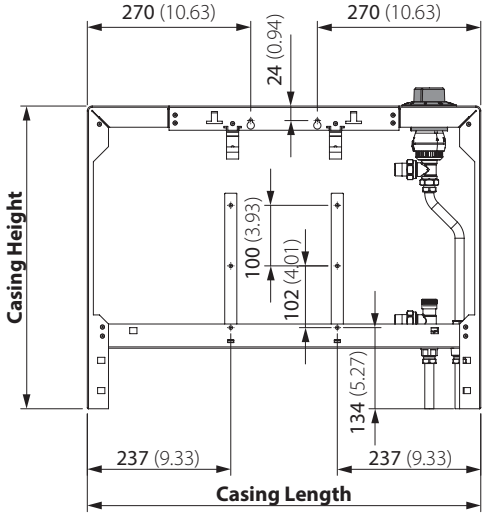
## EN 442 Certification Data - CETIAT tested in accordance with BS EN442

| Type | K1 | | | P+ | | | K2 | | |
|---|---|---|---|---|---|---|---|---|---|
| Casing Height | 500 | 650 | 800 | 500 | 650 | 800 | 500 | 650 | 800 |
| Emitter Height | 300 | 450 | 600 | 300 | 450 | 600 | 300 | 450 | 600 |
| W/m at 75/65/20 | 489 | 725 | 913 | 710 | 966 | 1252 | 870 | 1195 | 1537 |
| n-coefficients | 1.19 | 1.25 | 1.34 | 1.24 | 1.27 | 1.31 | 1.27 | 1.30 | 1.32 |
| Heated Surface Area (m²/m) | 2.09 | 3.37 | 4.66 | 2.44 | 3.84 | 5.24 | 3.51 | 5.62 | 7.74 |
| Weight (kg/m) | 17.80 | 23.50 | 29.40 | 22.70 | 30.72 | 38.40 | 24.40 | 33.30 | 42.50 |
| Water Contents (l/m) | 1.89 | 2.57 | 3.25 | 3.70 | 5.15 | 6.60 | 3.70 | 5.15 | 6.60 |

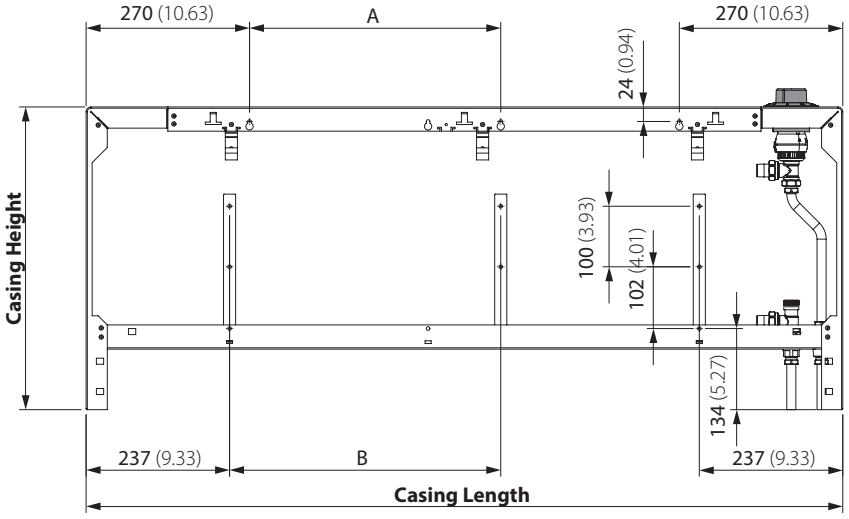
# LST i Plus wall fixings and bracket positions

All dimensions in mm. Inches in brackets.

| Casing Length | Casing Height |
|---|---|
| 650 | 500 |
| 850 | 650 |
| 1050 | 800 |



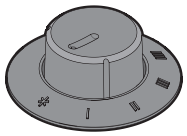

| Casing Length | A | B | Casing Height |
|---|---|---|---|
| 1250 | 415 | 448 | 500 |
| 1450 | 515 | 548 | 650 |
| 1650 | 615 | 648 | 800 |
| 1850 | 715 | 748 | |
| 2050 | 815 | 848 | |

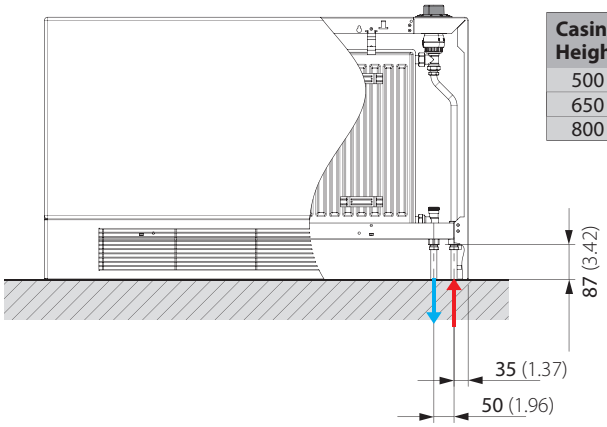


## LST i Plus connection options

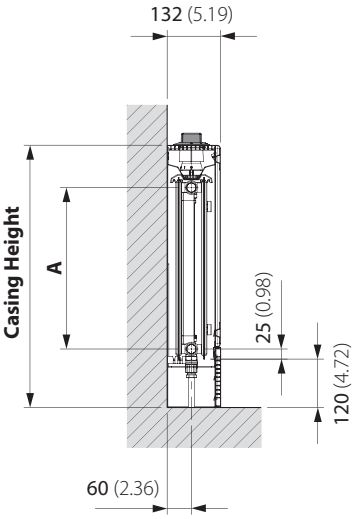
All dimensions in mm. Inches in brackets.

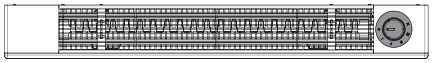
### Control on right-hand side



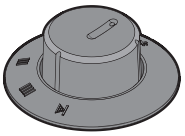


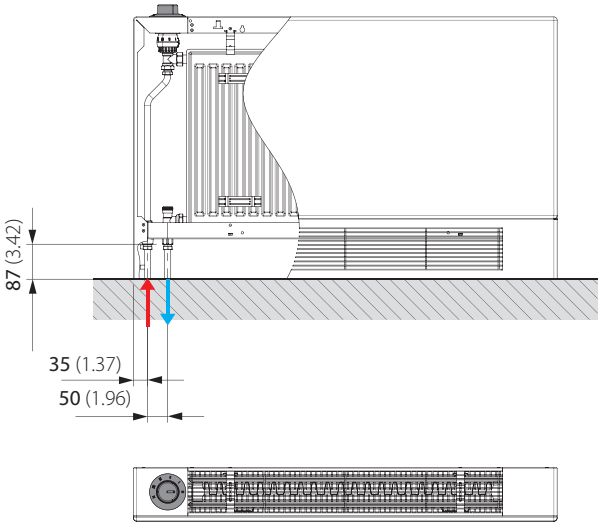

| Casing Height | A |
|---|---|
| 500 | 250 |
| 650 | 400 |
| 800 | 550 |



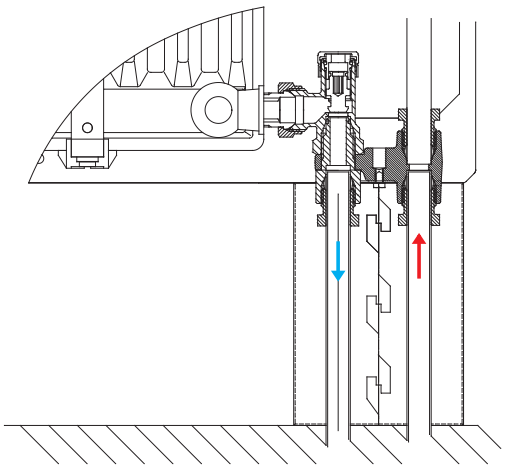
### Control on left-hand side








## Pipe configurations



# LST Range Components

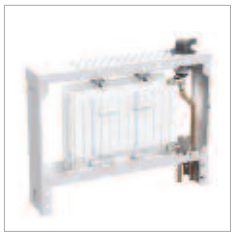
LST Standard front case view.

LST Standard inside the casing showing the emitter.

LST Standard emitter, showing high level valve option (valve not included).

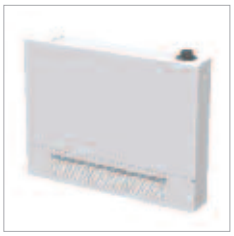
LST Standard circular knockout for TRV. Oblong knockout for pipe.

LST Plus front case view.



LST Plus inside the casing showing the emitter.

LST Vertical front case view.



LST i Plus front case view.

LST i Plus inside the casing showing the emitter.

# LST Plus and LST i Plus Components

Optional cover cap to discourage unauthorised tampering.

An arthritic adaptor is supplied as standard for special needs environments.

Accommodated within the casing, the Stelrad LST Plus emitter, with TBSE valve arrangement and 2 x ½" BSP connections as standard.

Connection arrangement bottom.

Connection arrangement top.

Includes Danfoss RA-2000 TRV and copper pipe configuration.

The remote sensing thermostatic valve gives accuracy of operation and the limiting device is completely hidden to prevent the maximum temperature being exceeded.

STARS

STELRAD'S ADVANCED HEATLOSS CALCULATOR

The Stelrad STARS Heatloss Calculator contains an inbuilt U value calculator.

Save time and effort by using the Stelrad STARS program - the perfect solution for accurate sizing and design flexibility.

**www.starsapp.co.uk**

# colourful

A shade for every room, for every interior. Opt for warm elegance, baroque ambience or modern minimalism.

## Below colours for:
## Caliente Towel Rail, Concord Towel Rail, Compact with Style, Planar and Swing

### *Natural Colour*


NT110
Papyrus white


NT120
Pearl white


NT130
Champagne


NT140
Beige


NT150
Beige grey


NT160
Pebble grey


NT170
Quartz grey


SN110
Cream white


SN120
Cream


SN130
Mocca


SN140
Bordeaux


SN150
Sepia


SN160
Pale blue


SN170
Black

### *Metallic Colours*


ML110
Dove grey


ML120
Titanium grey


ML130
Blue grey


ML140
Granite


ML150
Cappuccino


ML160
Terra brown


ML170
Graphite black

### *RAL Colours*


A1004
Golden yellow


A2003
Pastel orange


A3002
Carmine red


A3003
Robin red


A5002
Ultramarine blue


A6018
Yellow green


A7001
Silver grey


A7011
Iron grey


A7016
Anthracite grey


A7030
Stone grey


A7035
Light grey


A8017
Chocolate brown


A9003
Signal white


A9005
Jet black

**Please note: When a coloured radiator or radiators over 2 metres have been ordered they cannot be cancelled or returned. All colour radiators have a 6 week lead time.**

# inspiration

With Stelrad, you can heat your home in colour. Choose from a full range of stylish radiator colours.

## Below colours for:
## Classic Column, Concord, Vistaline and Ellipse

### *RAL Colours*

RAL 7035 | RAL 7038 | RAL 7036 | RAL 7030 | RAL 7037 | RAL 7015 | RAL 9005*

RAL 8017 | RAL 1016 | RAL 1021 | RAL 1004 | RAL 2008 | RAL 3017 | RAL 3000

RAL 3003 | RAL 3005 | RAL 6027 | RAL 6034 | RAL 6019 | RAL 6033 | RAL 6020

RAL 6005 | RAL 5014 | RAL 5002 | RAL 5024 | RAL 5022 | RAL 5010 | RAL 9016**



RAL 9010 | RAL 9001 | RAL 1013 | RAL 1015 | RAL 9002

### *Metallic Colours*

2765G Silver | BR 0004 | BR 0007***

Stelrad radiators are available in white (RAL 9016) as standard, however the specific radiators identified are now available in a variety of colours. Please note that once ordered, coloured radiators cannot be cancelled.

The colours shown are reproduced as accurately as this process will allow and can be made to order on the identified products.

*Excel black **Standard white ***Colour for Arc, Wave and Optia

**To request a colour chart and details of how to order please email marketing@stelrad.com**

# Glossary

| | |
|---|---|
| Btu/hr | British Thermal Unit per hour is the standard measurement used to state the amount of output of any heat generating device. |
| Watts | Is another measurement for heat output, 1 watt is equivalent to 3.412 Btu/hr. |
| P1 | Also known as Type 10, is a type of radiator with 1 radiator panel and no convection fins. |
| K1 | Also known as Type 11, is a type of radiator with 1 radiator panel and 1 set of convection fins. |
| P+ | Also known as Type 21, is a type of radiator with 2 radiator panels and 1 set of convection fins. |
| K2 | Also known as Type 22, is a type of radiator with 2 radiator panels and 2 sets of convection fins. |
| K3 | Also known as Type 33, is a type of radiator with 3 radiator panels and 3 sets of convection fins. |
| Δt | Refers to the difference in temperature between the water circulating in the central heating system and that of the ambient temperature. It is important to use the correct Δt when selecting your radiators, as the same radiator will have different outputs at different water temperatures. |
| Δt50 | Δt50 is the UK standard, however Stelrad also quote at lower levels for lower water temperature systems. |
| Heat loss | Is the amount of heat a room loses, it is therefore an important calculation when determining what size radiator is required to heat a room to the correct level. |
| UIN | Is the Stelrad product identification code. |
| Warranty | The warranty covers any defect that is attributable to a manufacturing, assembly or material fault, further details available on request. |
| ISO14001 | Is a set of International regulations related to the environment. |
| ISO9001 | Is a set of International regulations related to quality management systems. |
| OHSAS18001 | Is a set of International regulations related to health and safety. |
| TBOE / BOE | Refers to which position the pipes are connected to the radiator, OE means opposite end i.e. 1 pipe on each side, TB is top bottom i.e. 1 pipe is connected to the top and 1 to the bottom, B is both pipes connected to the bottom. |

| | |
|---|---|
| CETIAT tested | A leading independent French laboratory which conducts testing and assessments. |
| EN 442 | EN 442 is the European standard which defines the manufacturing standards for radiators and convectors which operate at temperatures of less than 120°C. The standard defines the type of steel which must be used, the type of pressure testing which must be carried out and the accuracy of the heat outputs quoted in the literature. |
| STARS | The Stelrad Technically Advanced Radiator System heatloss calculator, offers an even simpler way to get sizing of radiators right, first time. Visit www.starsapp.co.uk |
| KIWA | KIWA Ltd is an energy consultancy, Notified Body, UKAS-accredited testing lab and training centre with expertise in gas, oil, solid fuel, biomass and other renewables, construction materials, water and electricity. |
| CPD | Continuing Professional Development. CIBSE (Chartered Institute of British Service Engineers) and RIBA (Royal Institute of British Architects) CPD approved courses available. |
| BIM | Business Information Modelling (components). Visit www.stelrad.com to download BIM components. |
| RAL | A European wide colour matching system. |
| BSP | British Standard Piping. |

# Corporate Social Responsibility (CSR)

Stelrad Limited are part of the Ideal Stelrad Group. The company recognises that its success is built on integrating business values and operations to meet the expectations of stakeholders. Stelrad's social, economic and environmental responsibilities are to these stakeholders, which are demonstrated throughout its business practises, policies and achievements.

Stelrad are committed to Integrated Management Systems for control of Quality, Health and Safety and Environment, which are certificated to BSI OHSAS / ISO standards.

Wherever possible, Stelrad sources renewable and recyclable materials. 100% of all metal and other raw materials throughout the manufacturing process are recycled.

A full CSR policy document is available on request.

## Design service

We offer developers and specifiers a comprehensive heating system design service.

Please contact us on 0191 261 5106.

Heat outputs stated at 30°C and 40°C are based on a standard n-coefficient of 1.3.

Whilst every effort is made to provide accurate information, we reserve the right to change specifications and availability without prior notice.

# There's so much more *to Stelrad*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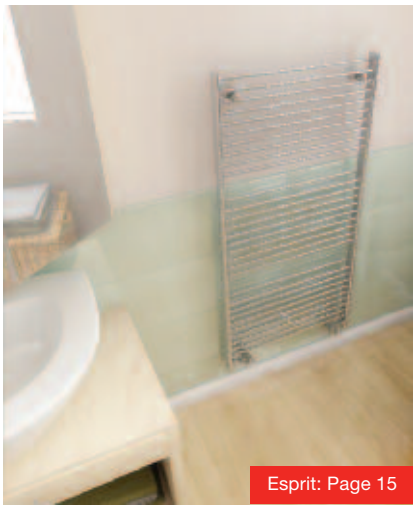
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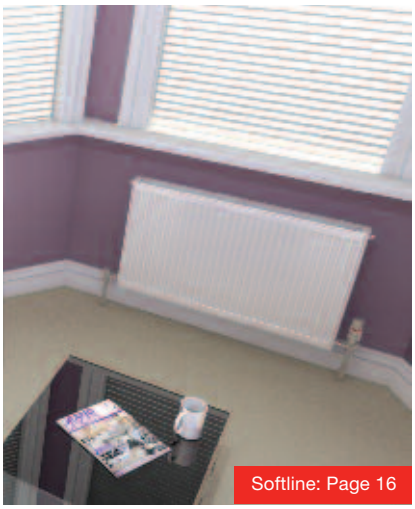
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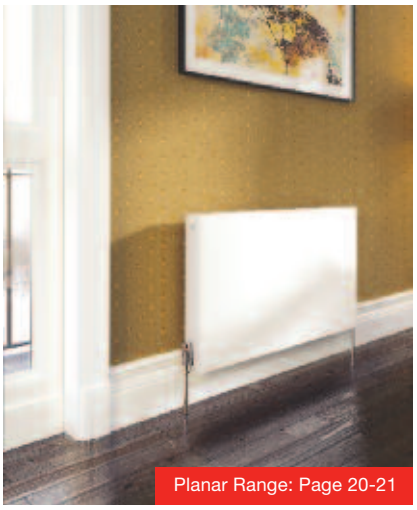
# There's so much more *to Stelrad*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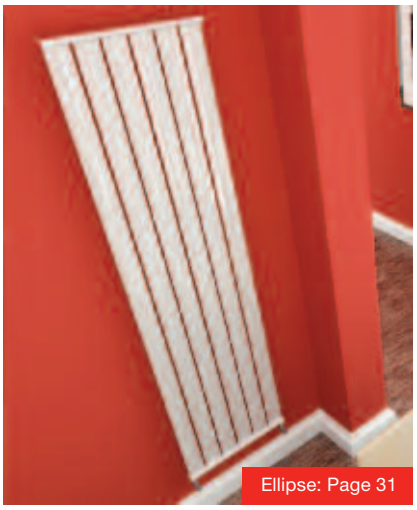
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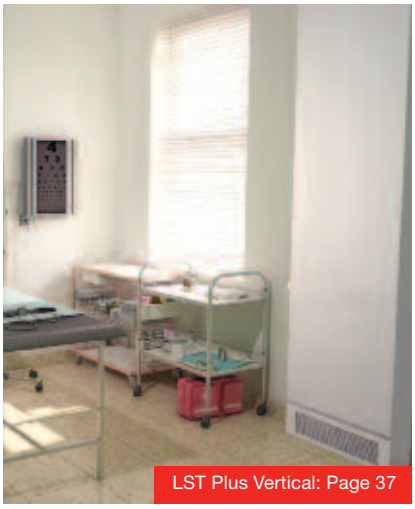
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# We have it covered

## 2 year warranty on all commercial condensing boilers


### EVOMAX

**30 - 150 kW**
- Wall hung
- Robust and light aluminium silicon alloy heat exchanger
- Up to 110% part load efficiency
- High 5:1 turndown
- Low NOx emissions <40mg/kWh for all natural gas models
- Quality product through design, component selection and proving
- LPG models 30 - 80 kW
- Built in hours run and frost protection
- Simple controls interface with large backlit display
- Optional frame and header kits
- Compact for easy installation
- Remote indication and 0-10 volt operation standard
- ECA listed

### IMAX XTRA

**80 - 560 kW**
- Floor standing
- Robust and light aluminium silicon alloy heat exchanger
- In-built commissioning and fault diagnostics
- Low NOx emissions <40mg/kWh
- Compact size – small footprint
- High 5:1 turndown
- Up to 107.5% net efficiency (fully condensing)
- Fits through standard doorways
- Remote indication and 0-10 volt operation standard
- ECA listed

### EVOMOD

**250 - 1000 kW**
- Floor standing
- Stainless steel heat exchanger
- Modular boiler benefits:
  - Heat maintained during service
  - Easier installation as lighter, smaller parts
- High modulation & close load matching (5:1 up to 20:1)
- Low NOx emissions (<40mg/kWh)
- Module sequencing as standard
- Single flue, system gas & electrical connections
- Quality product through design, component selection and proving
- Compact & minimum floor area
- Assembled & site assembly capability
- Remote indication and 0-10 volt operation standard
- ECA listed

**For more information contact Ideal Commercial Heating:** T: 01482 492251 E: enquiries@idealheating.com

BEST OF BRITISH 2 Year Warranty NOx Class 5

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Stelrad Limited
Stelrad House
Marriott Road
Mexborough
South Yorkshire
S64 8BN

**www.stelrad.com**
Telephone: 0844 543 6200

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