



**SENSOHEAT  
RADIATORS  
UK**



## **Caldorline 7000 Steel Panel Radiators**

**HNL**  
**Hurlstones Northern Ltd**  
Technical Agents and Distributors of HVAC and Public Health Equipment

# **Caldorline 7000 Steel Panel Radiators**

*Quality Horizontal & Vertical Contemporary Panel Radiators with subtle lines across the radiator, giving the unit designer good looks. Offering high outputs, superb finishes and exceptional build quality, they are the ideal choice for any modern living room or office environment.*



## **Benefits**

- Latest Technology design & construction to BS 1449 part 1.
- Manufactured from 1.2mm cold, rolled steel.
- Suitable for both Domestic and Commercial applications.
- Perfect for New Builds or Refurbishments.
- Modern, Smooth, Designer Slim-line appearance.
- Efficient & Economical performance.
- Supplied ready & easy to install.
- Colour RAL 9016 White.



## **10 Year Warranty**

## **SensoHeat Service & Commitment**

At SensoHeat we are proud of our top quality products, and are committed to providing the best quality or service to our customers from our highly trained and dedicated team.



WORKING PRESSURE



WORKING TEMP.



CLOSED SYSTEM

# Caldorline 7000 Horizontal Technical Information

|                |               | LS = Single Convector |                     |                     | LH = Double Panel /<br>Single Convector |                     |                     | LD = Double Convector |                     |                     | LT = Triple Convector |                     |                     |
|----------------|---------------|-----------------------|---------------------|---------------------|-----------------------------------------|---------------------|---------------------|-----------------------|---------------------|---------------------|-----------------------|---------------------|---------------------|
| Height<br>(mm) | Width<br>(mm) | Sensoheat<br>Code     | Output<br>(Δt 50°C) | Output<br>(Δt 60°C) | Sensoheat<br>Code                       | Output<br>(Δt 50°C) | Output<br>(Δt 60°C) | Sensoheat<br>Code     | Output<br>(Δt 50°C) | Output<br>(Δt 60°C) | Sensoheat<br>Code     | Output<br>(Δt 50°C) | Output<br>(Δt 60°C) |
| 200            | 600           | -                     | -                   | -                   | -                                       | -                   | -                   | -                     | -                   | -                   | -                     | -                   | -                   |
|                | 800           | -                     | -                   | -                   | -                                       | -                   | -                   | -                     | -                   | -                   | -                     | -                   | -                   |
|                | 1000          | -                     | -                   | -                   | -                                       | -                   | -                   | -                     | -                   | -                   | -                     | -                   | -                   |
|                | 1400          | -                     | -                   | -                   | -                                       | -                   | -                   | -                     | -                   | -                   | -                     | -                   | -                   |
|                | 2200          | -                     | -                   | -                   | -                                       | -                   | -                   | -                     | -                   | -                   | -                     | -                   | -                   |
|                | 2400          | -                     | -                   | -                   | -                                       | -                   | -                   | -                     | -                   | -                   | -                     | -                   | -                   |
| 300            | 500           | -                     | -                   | -                   | -                                       | -                   | -                   | -                     | -                   | -                   | -                     | -                   | -                   |
|                | 600           | -                     | -                   | -                   | -                                       | -                   | -                   | -                     | -                   | -                   | -                     | -                   | -                   |
|                | 800           | -                     | -                   | -                   | -                                       | -                   | -                   | -                     | -                   | -                   | -                     | -                   | -                   |
|                | 1000          | -                     | -                   | -                   | -                                       | -                   | -                   | LD310                 | 1010                | 1266                | -                     | -                   | -                   |
|                | 1200          | -                     | -                   | -                   | -                                       | -                   | -                   | LD312                 | 1212                | 1519                | -                     | -                   | -                   |
|                | 1400          | -                     | -                   | -                   | -                                       | -                   | -                   | LD314                 | 1414                | 1772                | -                     | -                   | -                   |
|                | 1600          | -                     | -                   | -                   | -                                       | -                   | -                   | -                     | -                   | -                   | -                     | -                   | -                   |
|                | 1800          | -                     | -                   | -                   | -                                       | -                   | -                   | -                     | -                   | -                   | -                     | -                   | -                   |
|                | 2000          | -                     | -                   | -                   | -                                       | -                   | -                   | LD320                 | 2020                | 2531                | -                     | -                   | -                   |
| 400            | 400           | -                     | -                   | -                   | -                                       | -                   | -                   | -                     | -                   | -                   | -                     | -                   | -                   |
|                | 500           | -                     | -                   | -                   | -                                       | -                   | -                   | -                     | -                   | -                   | -                     | -                   | -                   |
|                | 600           | -                     | -                   | -                   | -                                       | -                   | -                   | -                     | -                   | -                   | -                     | -                   | -                   |
|                | 700           | -                     | -                   | -                   | -                                       | -                   | -                   | LD407                 | 905                 | 1134                | -                     | -                   | -                   |
|                | 800           | -                     | -                   | -                   | LH408                                   | 802                 | 1006                | -                     | -                   | -                   | -                     | -                   | -                   |
|                | 900           | -                     | -                   | -                   | -                                       | -                   | -                   | -                     | -                   | -                   | -                     | -                   | -                   |
|                | 1000          | -                     | -                   | -                   | -                                       | -                   | -                   | LD410                 | 1293                | 1620                | -                     | -                   | -                   |
|                | 1100          | -                     | -                   | -                   | -                                       | -                   | -                   | -                     | -                   | -                   | -                     | -                   | -                   |
|                | 1200          | -                     | -                   | -                   | -                                       | -                   | -                   | LD412                 | 1552                | 1994                | -                     | -                   | -                   |
|                | 1400          | -                     | -                   | -                   | -                                       | -                   | -                   | LD414                 | 1810                | 2269                | -                     | -                   | -                   |
|                | 1600          | -                     | -                   | -                   | -                                       | -                   | -                   | -                     | -                   | -                   | -                     | -                   | -                   |
|                | 1800          | -                     | -                   | -                   | -                                       | -                   | -                   | LD418                 | 2327                | 2917                | -                     | -                   | -                   |
|                | 2000          | -                     | -                   | -                   | -                                       | -                   | -                   | -                     | -                   | -                   | -                     | -                   | -                   |
| 500            | 400           | -                     | -                   | -                   | -                                       | -                   | -                   | -                     | -                   | -                   | -                     | -                   | -                   |
|                | 500           | -                     | -                   | -                   | -                                       | -                   | -                   | -                     | -                   | -                   | -                     | -                   | -                   |
|                | 600           | LSS06                 | 482                 | 605                 | LH506                                   | 724                 | 908                 | LD506                 | 932                 | 1168                | -                     | -                   | -                   |
|                | 700           | -                     | -                   | -                   | LH507                                   | 845                 | 1059                | -                     | -                   | -                   | -                     | -                   | -                   |
|                | 800           | -                     | -                   | -                   | LH508                                   | 966                 | 1210                | LD508                 | 1243                | 1558                | -                     | -                   | -                   |
|                | 900           | -                     | -                   | -                   | -                                       | -                   | -                   | -                     | -                   | -                   | -                     | -                   | -                   |
|                | 1000          | -                     | -                   | -                   | LH510                                   | 1207                | 1513                | LD510                 | 1554                | 1947                | -                     | -                   | -                   |
|                | 1100          | -                     | -                   | -                   | -                                       | -                   | -                   | LD511                 | 1709                | 2142                | -                     | -                   | -                   |
|                | 1200          | -                     | -                   | -                   | LH512                                   | 1448                | 1815                | LD512                 | 1865                | 2337                | -                     | -                   | -                   |
|                | 1400          | -                     | -                   | -                   | LH514                                   | 1690                | 2118                | LD514                 | 2176                | 2726                | -                     | -                   | -                   |
|                | 1600          | -                     | -                   | -                   | -                                       | -                   | -                   | -                     | -                   | -                   | -                     | -                   | -                   |
|                | 1800          | -                     | -                   | -                   | LH518                                   | 2173                | 2723                | -                     | -                   | -                   | -                     | -                   | -                   |
|                | 2000          | -                     | -                   | -                   | -                                       | -                   | -                   | -                     | -                   | -                   | -                     | -                   | -                   |

All Outputs are quoted in Watts.

Codes in red indicate special order items.



# Caldorline 7000 Horizontal Technical Information

|                |               | LS = Single Convector |                              |                              | LH = Double Panel /<br>Single Convector |                              |                              | LD = Double Convector |                              |                              | LT = Triple Convector |                              |                              |
|----------------|---------------|-----------------------|------------------------------|------------------------------|-----------------------------------------|------------------------------|------------------------------|-----------------------|------------------------------|------------------------------|-----------------------|------------------------------|------------------------------|
| Height<br>(mm) | Width<br>(mm) | Sensoheat<br>Code     | Output<br>( $\Delta t$ 50°C) | Output<br>( $\Delta t$ 60°C) | Sensoheat<br>Code                       | Output<br>( $\Delta t$ 50°C) | Output<br>( $\Delta t$ 60°C) | Sensoheat<br>Code     | Output<br>( $\Delta t$ 50°C) | Output<br>( $\Delta t$ 60°C) | Sensoheat<br>Code     | Output<br>( $\Delta t$ 50°C) | Output<br>( $\Delta t$ 60°C) |
| 600            | 400           | -                     | -                            | -                            | -                                       | -                            | -                            | -                     | 718                          | 899                          | -                     | -                            | -                            |
|                | 500           | -                     | -                            | -                            | LH605                                   | 700                          | 887                          | -                     | 897                          | 1124                         | -                     | -                            | -                            |
|                | 600           | LS606                 | 559                          | 700                          | LH606                                   | 839                          | 1052                         | LD606                 | 1076                         | 1349                         | -                     | -                            | -                            |
|                | 700           | -                     | -                            | -                            | LH607                                   | 979                          | 1227                         | -                     | -                            | -                            | -                     | -                            | -                            |
|                | 800           | LS608                 | 745                          | 933                          | LH608                                   | 1119                         | 1403                         | LD608                 | 1435                         | 1799                         | -                     | -                            | -                            |
|                | 900           | -                     | -                            | -                            | -                                       | -                            | -                            | -                     | -                            | -                            | -                     | -                            | -                            |
|                | 1000          | LS610                 | 931                          | 1167                         | LH610                                   | 1399                         | 1753                         | LD610                 | 1794                         | 2248                         | -                     | -                            | -                            |
|                | 1100          | -                     | -                            | -                            | -                                       | -                            | -                            | -                     | -                            | -                            | -                     | -                            | -                            |
|                | 1200          | LS612                 | 1117                         | 1400                         | LH612                                   | 1679                         | 2104                         | LD612                 | 2153                         | 2698                         | -                     | -                            | -                            |
|                | 1400          | LS614                 | 1303                         | 1633                         | LH614                                   | 1959                         | 2454                         | LD614                 | 2512                         | 3148                         | -                     | -                            | -                            |
|                | 1600          | -                     | -                            | -                            | LH616                                   | 2238                         | 2805                         | LD616                 | 2870                         | 3597                         | -                     | -                            | -                            |
|                | 1800          | -                     | -                            | -                            | LH618                                   | 2518                         | 3156                         | -                     | -                            | -                            | -                     | -                            | -                            |
|                | 2000          | -                     | -                            | -                            | -                                       | -                            | -                            | LD620                 | 3588                         | 4496                         | -                     | -                            | -                            |
| 700            | 400           | -                     | -                            | -                            | -                                       | -                            | -                            | -                     | -                            | -                            | -                     | -                            | -                            |
|                | 500           | -                     | -                            | -                            | -                                       | -                            | -                            | -                     | -                            | -                            | -                     | -                            | -                            |
|                | 600           | -                     | -                            | -                            | -                                       | -                            | -                            | LD706                 | 1210                         | 1516                         | -                     | -                            | -                            |
|                | 700           | -                     | -                            | -                            | -                                       | -                            | -                            | -                     | -                            | -                            | -                     | -                            | -                            |
|                | 800           | -                     | -                            | -                            | -                                       | -                            | -                            | LD708                 | 1613                         | 2021                         | -                     | -                            | -                            |
|                | 900           | -                     | -                            | -                            | -                                       | -                            | -                            | -                     | -                            | -                            | -                     | -                            | -                            |
|                | 1000          | -                     | -                            | -                            | -                                       | -                            | -                            | LD710                 | 2016                         | 2526                         | -                     | -                            | -                            |
|                | 1100          | -                     | -                            | -                            | -                                       | -                            | -                            | -                     | -                            | -                            | -                     | -                            | -                            |
|                | 1200          | -                     | -                            | -                            | -                                       | -                            | -                            | -                     | -                            | -                            | -                     | -                            | -                            |
|                | 1400          | -                     | -                            | -                            | -                                       | -                            | -                            | -                     | -                            | -                            | -                     | -                            | -                            |
| 900            | 400           | -                     | -                            | -                            | -                                       | -                            | -                            | -                     | -                            | -                            | -                     | -                            | -                            |
|                | 500           | -                     | -                            | -                            | -                                       | -                            | -                            | -                     | -                            | -                            | -                     | -                            | -                            |
|                | 600           | -                     | -                            | -                            | -                                       | -                            | -                            | -                     | -                            | -                            | -                     | -                            | -                            |
|                | 700           | -                     | -                            | -                            | -                                       | -                            | -                            | -                     | -                            | -                            | -                     | -                            | -                            |
|                | 800           | -                     | -                            | -                            | -                                       | -                            | -                            | -                     | -                            | -                            | -                     | -                            | -                            |
|                | 1000          | -                     | -                            | -                            | -                                       | -                            | -                            | -                     | -                            | -                            | -                     | -                            | -                            |

All Outputs are quoted in Watts.

Codes in red indicate special order items.



**Are you going to need Valve Kits too?**

Contact us for recommendations relating to the pipework being used.



# Caldorline 7000 Vertical Technical Information

VLS = Single Convector

VLH = Double Panel  
Single Convector

VLD = Double Convector

| Height<br>(mm) | Width<br>(mm) | Sensoheat<br>Code | Output<br>(Δt 50°C) | Output<br>(Δt 60°C) | Sen-<br>soheat | Output<br>(Δt 50°C) | Output<br>(Δt 60°C) | Sensoheat<br>Code | Output<br>(Δt 50°C) | Output<br>(Δt 60°C) |
|----------------|---------------|-------------------|---------------------|---------------------|----------------|---------------------|---------------------|-------------------|---------------------|---------------------|
| 1200           | 200           | -                 | -                   | -                   | -              | -                   | -                   | -                 | -                   | -                   |
|                | 300           | -                 | -                   | -                   | -              | -                   | -                   | -                 | -                   | -                   |
|                | 400           | -                 | -                   | -                   | -              | -                   | -                   | -                 | -                   | -                   |
|                | 500           | -                 | -                   | -                   | -              | -                   | -                   | -                 | -                   | -                   |
|                | 600           | -                 | -                   | -                   | -              | -                   | -                   | -                 | -                   | -                   |
|                | 700           | -                 | -                   | -                   | -              | -                   | -                   | -                 | -                   | -                   |
|                | 900           | -                 | -                   | -                   | -              | -                   | -                   | -                 | -                   | -                   |
| 1400           | 200           | -                 | -                   | -                   | -              | -                   | -                   | -                 | -                   | -                   |
|                | 300           | -                 | -                   | -                   | -              | -                   | -                   | -                 | -                   | -                   |
|                | 400           | -                 | -                   | -                   | -              | -                   | -                   | -                 | -                   | -                   |
|                | 500           | -                 | -                   | -                   | -              | -                   | -                   | -                 | -                   | -                   |
|                | 600           | -                 | -                   | -                   | -              | -                   | -                   | -                 | -                   | -                   |
|                | 700           | -                 | -                   | -                   | -              | -                   | -                   | -                 | -                   | -                   |
|                | 900           | -                 | -                   | -                   | -              | -                   | -                   | -                 | -                   | -                   |
| 1600           | 200           | -                 | -                   | -                   | -              | -                   | -                   | -                 | -                   | -                   |
|                | 300           | -                 | -                   | -                   | -              | -                   | -                   | -                 | -                   | -                   |
|                | 400           | -                 | -                   | -                   | -              | -                   | -                   | -                 | -                   | -                   |
|                | 500           | -                 | -                   | -                   | VLH516         | 1323                | 1678                | -                 | -                   | -                   |
|                | 600           | -                 | -                   | -                   | -              | -                   | -                   | -                 | -                   | -                   |
|                | 700           | -                 | -                   | -                   | -              | -                   | -                   | -                 | -                   | -                   |
|                | 900           | -                 | -                   | -                   | -              | -                   | -                   | -                 | -                   | -                   |
| 1800           | 200           | -                 | -                   | -                   | -              | -                   | -                   | -                 | -                   | -                   |
|                | 300           | -                 | -                   | -                   | -              | -                   | -                   | -                 | -                   | -                   |
|                | 400           | -                 | -                   | -                   | -              | -                   | -                   | VLD418            | 1511                | 1916                |
|                | 500           | -                 | -                   | -                   | VLH518         | 1445                | 1832                | VLD518            | 1855                | 2352                |
|                | 600           | -                 | -                   | -                   | VLH618         | 1697                | 2152                | VLD618            | 2197                | 2786                |
|                | 700           | -                 | -                   | -                   | -              | -                   | -                   | -                 | -                   | -                   |
|                | 900           | -                 | -                   | -                   | -              | -                   | -                   | -                 | -                   | -                   |
| 2000           | 200           | -                 | -                   | -                   | -              | -                   | -                   | -                 | -                   | -                   |
|                | 300           | -                 | -                   | -                   | -              | -                   | -                   | -                 | -                   | -                   |
|                | 400           | -                 | -                   | -                   | -              | -                   | -                   | -                 | -                   | -                   |
|                | 500           | -                 | -                   | -                   | -              | -                   | -                   | -                 | -                   | -                   |
|                | 600           | -                 | -                   | -                   | -              | -                   | -                   | -                 | -                   | -                   |
|                | 700           | -                 | -                   | -                   | -              | -                   | -                   | -                 | -                   | -                   |
|                | 900           | -                 | -                   | -                   | -              | -                   | -                   | -                 | -                   | -                   |

All Outputs are quoted in Watts.

Codes in red indicate special order items.

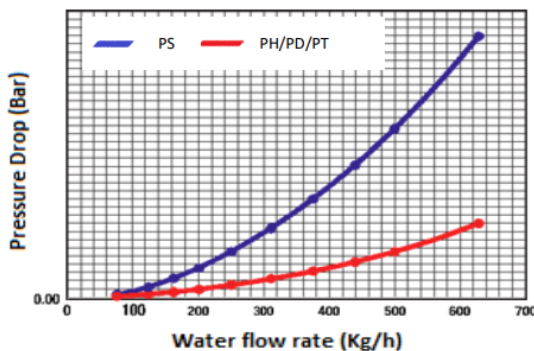
**Are you going to need Valve Kits too?**

Contact us for recommendations relating to the pipework being used.



## Caldorline 7000 Technical Information

**Quality Horizontal & Vertical Flat Panel subtle lines high output radiators with smooth designer good looks, superb finish and exceptional build quality they are the ideal choice for any modern living room or office.**



## Material

SensoHeat panel radiators are manufactured from 1.2mm cold rolled steel conforming to EN442-1.

## Tappings

All radiators are supplied with four 15mm (1/2" BSP) standard tappings.

## Operating Pressures

The standard final pressure test of 13bar (188PSI) allows an operating pressure of maximum 10 bar (145PSI) for use with both open and closed indirect systems only

## Installation

For maximum efficiency, radiators should be fixed at not less than 100mm (4") from finished floor level.

## Guaranteed Quality

We are so confident in the quality and performance of our products that each radiator comes with a 10 year warranty against failure due to manufacture or material defect.

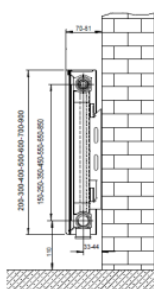
## 10 Year Warranty

## Water Treatment

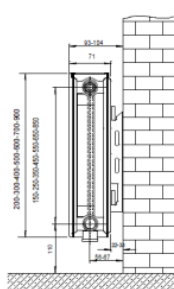
Following installation systems should be flushed and filled in accordance with BS7593 Code of Practice for the treatment in Hot Water central heating systems.

It is essential to carry out the procedures laid down in this standard to ensure that any residual contaminants and foreign bodies that might damage the system are removed. The use of corrosion inhibitors to enhance longevity of the system should be subject to manufacturers instructions and conditions of use. It is particularly important that the fluid used is compatible with the materials employed in the installation.

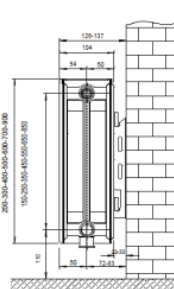
LS = Single Panel /



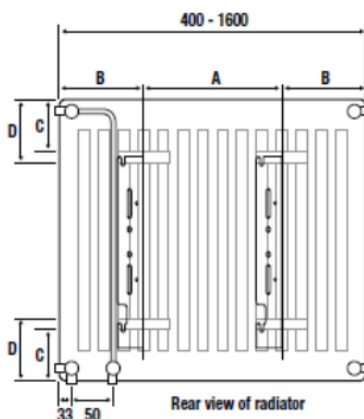
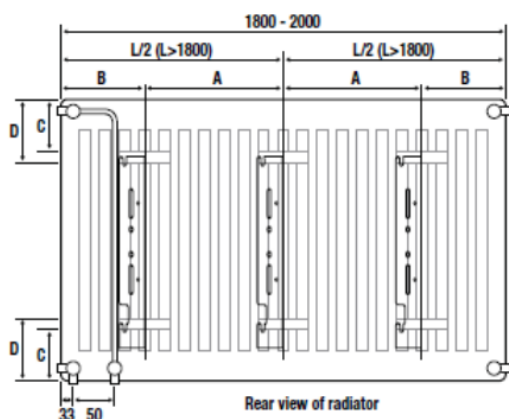
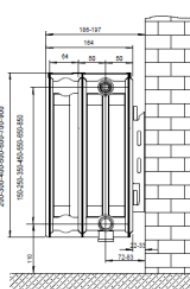
LH = Double Panel /



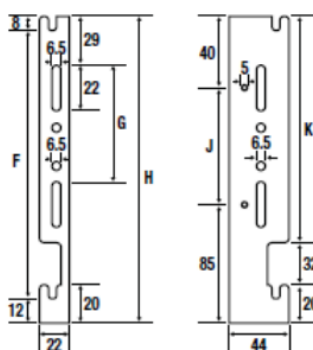
LD = Double Panel /



LT= Triple



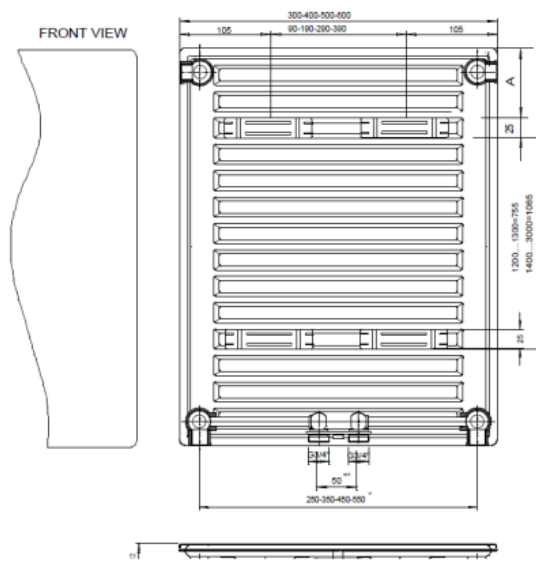
| Length<br>(mm) | A (mm)     |               | B (mm)     |               | C<br>(mm) | D<br>(mm) | Row of<br>Hangers |
|----------------|------------|---------------|------------|---------------|-----------|-----------|-------------------|
|                | Type<br>PS | Type<br>LH/LD | Type<br>LS | Type<br>LH/LD |           |           |                   |
| 400            | 170        | 200           | 115        | 100           | 60        | 85        | 2                 |
| 500            | 270        | 300           | 115        | 100           | 60        | 85        | 2                 |
| 600            | 370        | 400           | 115        | 100           | 60        | 85        | 2                 |
| 700            | 470        | 500           | 115        | 100           | 60        | 85        | 2                 |
| 800            | 570        | 600           | 115        | 100           | 60        | 85        | 2                 |
| 900            | 670        | 700           | 115        | 100           | 60        | 85        | 2                 |
| 1000           | 770        | 800           | 115        | 100           | 60        | 85        | 2                 |
| 1100           | 870        | 900           | 115        | 100           | 60        | 85        | 2                 |
| 1200           | 970        | 1000          | 115        | 100           | 60        | 85        | 2                 |
| 1400           | 1170       | 1200          | 115        | 100           | 60        | 85        | 2                 |
| 1600           | 1370       | 1400          | 115        | 100           | 60        | 85        | 2                 |
| 1800           | 785        | 800           | 115        | 100           | 60        | 85        | 3                 |
| 2000           | 885        | 900           | 115        | 100           | 60        | 85        | 3                 |



|     | F   | G   | H   | J   | K   |
|-----|-----|-----|-----|-----|-----|
| 300 | 115 | 50  | 175 | 50  | 123 |
| 400 | 255 | 150 | 275 | 150 | 223 |
| 500 | 355 | 250 | 375 | 250 | 323 |
| 600 | 455 | 350 | 475 | 350 | 423 |
| 700 | 555 | 450 | 575 | 450 | 523 |
| 900 | 755 | 650 | 775 | 650 | 723 |

# Caldorline 7000 [Technical Information](#)

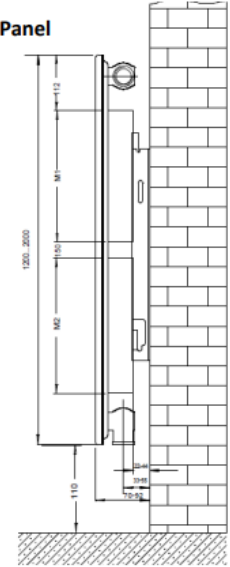
FRONT VIEW



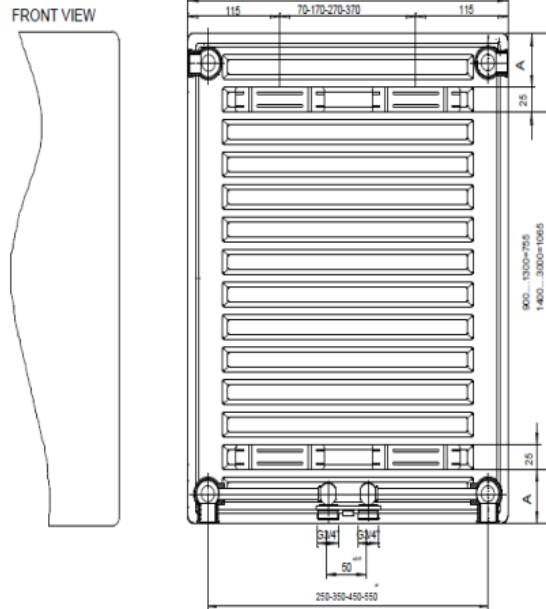
VLS Vertical Panel

| Length | M1  | M2  |
|--------|-----|-----|
| 1200   | 425 | 425 |
| 1400   | 425 | 625 |
| 1600   | 625 | 625 |
| 1800   | 625 | 825 |
| 2000   | 825 | 825 |

| Length | A   |
|--------|-----|
| 1200   | 212 |
| 1400   | 312 |
| 1600   | 245 |
| 1800   | 345 |
| 2000   | 445 |



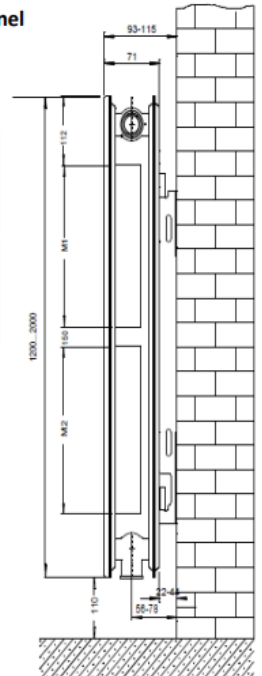
FRONT VIEW



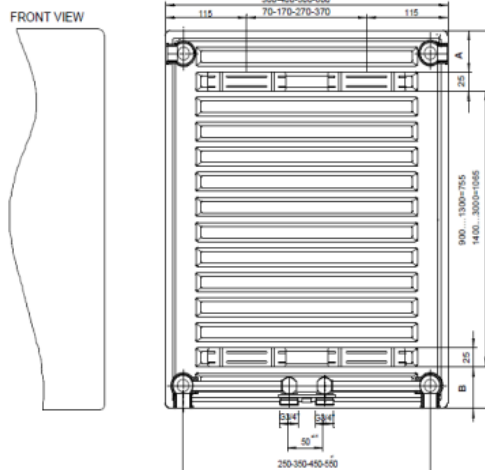
VLH Vertical Panel

| Length | M1  | M2  |
|--------|-----|-----|
| 1200   | 425 | 425 |
| 1400   | 425 | 625 |
| 1600   | 625 | 625 |
| 1800   | 625 | 825 |
| 2000   | 825 | 825 |

| Length | A   |
|--------|-----|
| 1200   | 212 |
| 1400   | 312 |
| 1600   | 245 |
| 1800   | 345 |
| 2000   | 445 |



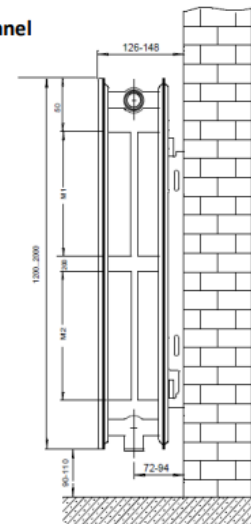
FRONT VIEW



VLD Vertical Panel

| Length | M1  | M2  |
|--------|-----|-----|
| 1200   | 605 | 205 |
| 1400   | 605 | 425 |
| 1600   | 605 | 625 |
| 1800   | 805 | 625 |
| 2000   | 805 | 825 |

| Length | A   | B   |
|--------|-----|-----|
| 1200   | 210 | 210 |
| 1400   | 310 | 310 |
| 1600   | 255 | 255 |
| 1800   | 355 | 355 |
| 2000   | 455 | 455 |



## Outputs

The outputs quoted in this brochure are based on mean water temperature of 80°C and a room temperature of 20°C ( $\Delta T$  60°C) **OR** a mean water temperature of 70°C and a room temperature of 20°C ( $\Delta T$  50°C).

For all other operating conditions, apply the corrections factors below:

(apply to  $\Delta T$  60°C only).

|      |       |      |       |      |       |
|------|-------|------|-------|------|-------|
| 5°C  | 0.046 | 30°C | 0.432 | 55°C | 0.898 |
| 10°C | 0.108 | 35°C | 0.512 | 60°C | 1.000 |
| 15°C | 0.179 | 40°C | 0.605 | 65°C | 1.104 |
| 20°C | 0.256 | 45°C | 0.700 | 70°C | 1.211 |
| 25°C | 0.338 | 50°C | 0.798 | 75°C | 1.319 |



# SENSOHEAT RADIATORS UK

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