



PREMIER HE



SELECT Compact

# PREMIER & SELECT.

## Standard, Compact & Metric.

- 2 and 4 tap connections
- Stylish and safety conscious round top designs
- Huge choice of styles and sizes
- Single, double and triple convectors available
- High quality white gloss paint finish

## General Specifications

### Approval and Certification



BS EN 442



All **MYSON** Panel radiators are manufactured and tested to BS EN 442. Every radiator carries the BS Kitemark which certifies independent approval of heat output and verifies production under a quality system to BS EN ISO 9001.

All **MYSON** Panel radiators carry a ten year guarantee from date of manufacture against defects caused by faulty materials or manufacture.

### Paint Finish

Every **MYSON** Panel radiator is de-greased, phosphated and primer coated.

An epoxy polyester finishing coat in white (RAL 9016) is applied to all front and rear surfaces allowing the radiator to be fitted without further painting.

### Packaging

Every **MYSON** Panel radiator has plastic corner protection with durable cardboard edge packaging as well as being fully wrapped in strong polythene. Each radiator is clearly labelled with size and type, and packed with the appropriate number of brackets.

### Fixings

All **MYSON** Panel radiators are supplied with concealed wall mounting brackets. The table of dimensions gives further details.

For the correct installation of radiators it is essential that the fixing of the radiator is carried out in such a way that it is suitable for intended use AND predictable misuse. A number of elements need to be taken into consideration including the fixing method used to secure the radiator to the wall, the type and condition of the wall itself, and any additional potential forces or weights that may happen to be applied to the radiator, prior to finalising installation. **IN ALL CASES IT IS STRONGLY RECOMMENDED THAT A SUITABLY QUALIFIED PROFESSIONAL INSTALLER OR SIMILAR TRADESPERSON CARRIES OUT THE INSTALLATION.**

PLEASE NOTE: The fixing materials provided are only intended for installation on walls made of solid wood, bricks, concrete or on timber-frame stud walls where the fixing is into the timber. All walls being considered should have no more than a maximum of 3mm wall finishing. For walls made of other materials, for example hollow bricks, please consult your installer and/or specialist supplier. **ONCE AGAIN, IF YOU ARE UNSURE, IT IS STRONGLY RECOMMENDED THAT A SUITABLY QUALIFIED PROFESSIONAL INSTALLER OR SIMILAR TRADESPERSON CARRIES OUT THE INSTALLATION.**

### Accessories

#### Touch up Paint

A handy 12ml container of touch up paint with integral brush applicator in RAL 9016 is available on request.

#### Air Vent Key

An alloy key for bleeding and venting is available on request. Order Code: PREMRAKEY

### Application

**MYSON** Panel radiators are for use on two pipe pumped indirect domestic and commercial central heating installations, with a maximum working temperature of 100°C. The system should be designed in accordance with BS EN 12828:2003 or BS EN 12831:2003 as appropriate, with particular care taken to avoid air entry or water discharge.

We do not recommend the use of single feed indirect cylinders, as the possibility of aeration due to water interchange may lead to corrosion.

The installation work must be carried out in accordance with recognised good practice, and precautions taken to avoid contamination which could lead to corrosion. If a corrosion inhibitor or other water treatment is to be used, the Manufacturer's Instructions must be strictly followed.

The recommendations of BS 7593, Code of Practice for treatment of water in domestic hot water central heating systems, should be followed where appropriate.

### Safety Precautions

Radiators are hot when in use, and as such, present a risk of burns to users on prolonged contact. The temperature of a radiator is dependent on the temperature of the system water, as set by the system installer or user. Installers and users should ensure that those who may come into close proximity to hot radiators are aware of the risk of burns. Installers and users should take all necessary steps to minimise the risks of burns. If the risk is significant, consideration should be given to installing low surface temperature radiators, or to placing guards in front of the radiators.

### Heat Output

Careful design of an optimum profile for the convector plate, and welding directly onto the wet and dry sections of the radiator, have combined to give high heat output per surface area of radiator.

The heat outputs shown in the table below are based on a mean water to air temperature difference of 50°C. When the difference is not 50°C, the output should be multiplied by the appropriate factor from within the table:

| Centigrade | Factor | Fahrenheit |
|------------|--------|------------|
| 20°C       | 0.30   | 36°F       |
| 25°C       | 0.41   | 45°F       |
| 30°C       | 0.51   | 54°F       |
| 35°C       | 0.63   | 63°F       |
| 40°C       | 0.75   | 72°F       |
| 45°C       | 0.87   | 81°F       |
| 50°C       | 1.00   | 90°F       |
| 55°C       | 1.13   | 99°F       |
| 60°C       | 1.27   | 108°F      |
| 65°C       | 1.41   | 117°F      |
| 70°C       | 1.55   | 126°F      |

#### Example:

Heat emission required: 2000 Watts  
 Room air temperature required: 20°C  
 Mean water temperature in radiator: 65°C

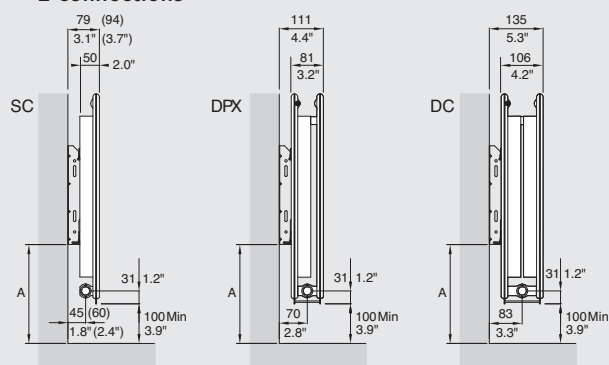
1. Temperature difference = 65-20 = 45°C
2. From Factor Table 45°C gives a factor of: 0.87
3. Divide required heat emission by factor =  $\frac{2000}{0.87}$  = 2298 Watts
4. From selection tables choose any radiator rated at 2298 Watts or more.

## Weight and Water Contents per Section

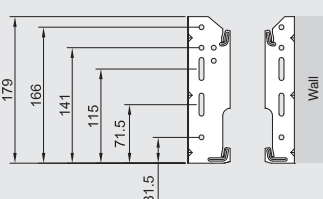
| Type |     | Height (in)        |                           |                    |                           |                    |                           |                    |                           |
|------|-----|--------------------|---------------------------|--------------------|---------------------------|--------------------|---------------------------|--------------------|---------------------------|
|      |     | 12                 |                           | 15                 |                           | 21                 |                           | 27                 |                           |
|      |     | Weight per Section | Water Content per Section | Weight per Section | Water Content per Section | Weight per Section | Water Content per Section | Weight per Section | Water Content per Section |
|      |     | (kg)               | (l)                       | (kg)               | (l)                       | (kg)               | (l)                       | (kg)               | (l)                       |
| 11   | SC  | 0.37               | 0.14                      | 0.49               | 0.16                      | 0.69               | 0.20                      | 0.90               | 0.25                      |
| 21   | DPX |                    |                           | 0.84               | 0.32                      | 1.18               | 0.41                      | 1.54               | 0.49                      |
| 22   | DC  | 0.74               | 0.29                      | 0.97               | 0.32                      | 1.38               | 0.41                      | 1.81               | 0.49                      |

## Mounting Positions, Dimensions and Wall Brackets

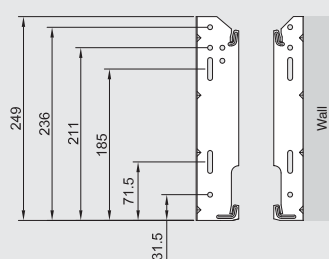
### 2 connections\*



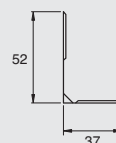
### 12" Wall Bracket



### 15/21/27" Wall Bracket



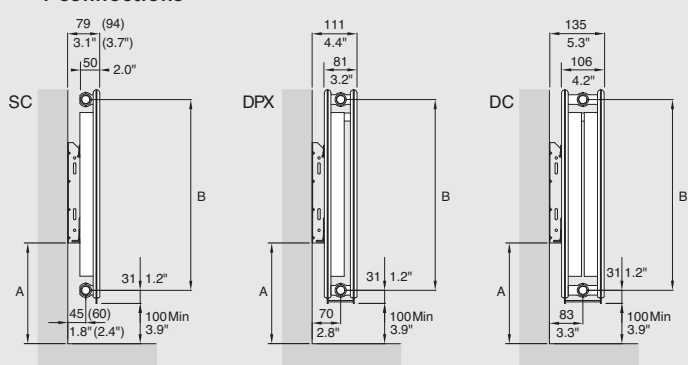
### Bracket Plan View



N.B. Figures in brackets apply when hanging with long leg.

Long leg suitable for hanging Type 11 (SC) radiators only.  
Short leg suitable for radiator Types 11, 21 & 22.

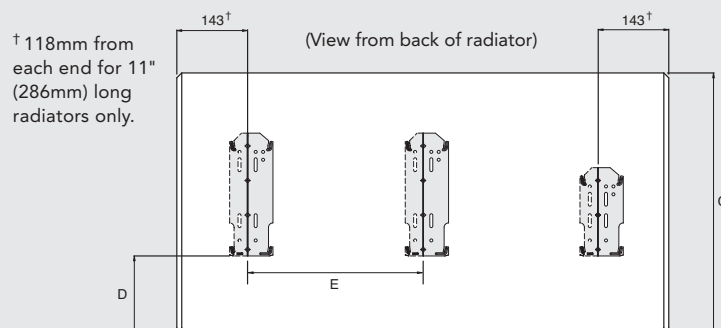
### 4 connections\*\*



| Nominal Height (in) | A     |      | B    |      |
|---------------------|-------|------|------|------|
|                     | (in)  | (mm) | (in) | (mm) |
| 12                  | 6.65  | 170  | N/A  | N/A  |
| 15                  | 6.93  | 177  | 13.2 | 335  |
| 21                  | 9.81  | 250  | 18.7 | 475  |
| 27                  | 16.10 | 410  | 25.0 | 635  |

\*Available for full range \*\*Available for selected sizes

## Bracket Positions and Dimensions



† 118mm from each end for 11" (286mm) long radiators only.

N.B. Radiators up to and including 69" long have two brackets. Radiators 77" and longer have three brackets. The position of the centre bracket is given in the above table.

| Nominal Height (in) | C    |      | D     |      |
|---------------------|------|------|-------|------|
|                     | (in) | (mm) | (in)  | (mm) |
| 12                  | 11.8 | 300  | 2.75  | 70   |
| 15                  | 15.4 | 390  | 3.03  | 77   |
| 21                  | 20.9 | 530  | 5.91  | 150  |
| 27                  | 27.2 | 690  | 12.20 | 310  |
| Nominal Length (in) | E    |      |       |      |
|                     | (in) | (mm) |       |      |
| 77                  | 34   | 864  |       |      |
| 79                  | 35   | 889  |       |      |
| 85                  | 38   | 965  |       |      |

## Connections

All MYSON PREMIER HE radiators are fitted with 2 - 1/2 inch BSP connections. Selected sizes are available with 4 - 1/2 inch BSP connections, please refer to size guide, pages 20-21.

## Air Vents

An integral air vent is situated at the top right-hand corner of each panel.

## Operating Pressures

Every MYSON PREMIER HE radiator is tested to a pressure of 7 bar (101.5 psi) and is suitable for a working pressure of up to 5.4 bar (78 psi).



Single Convector - Type 11



Nominal Height  
12 inch  
(300mm)

| Nominal Length<br>(inches - mm) | No. of sections |
|---------------------------------|-----------------|
| 15 - 400                        | 8               |
| 31 - 800                        | 16              |
| 47 - 1200                       | 24              |
| 63 - 1600                       | 32              |
| 79 - 2000                       | 40              |

| Heat Outputs<br>@ ΔT 50°C |       | Heat Outputs<br>@ ΔT 30°C |       | Order Code |
|---------------------------|-------|---------------------------|-------|------------|
| Watts                     | Btu/h | Watts                     | Btu/h |            |
| 199                       | 680   | 104                       | 356   | 12 SC 15   |
| 409                       | 1395  | 214                       | 730   | 12 SC 31   |
| 618                       | 2109  | 323                       | 1103  | 12 SC 47   |
| 828                       | 2824  | 433                       | 1477  | 12 SC 63   |

Nominal Height  
15 inch  
(390mm)

|           |    |
|-----------|----|
| 21 - 540  | 11 |
| 25 - 641  | 13 |
| 29 - 743  | 15 |
| 37 - 946  | 19 |
| 41 - 1047 | 21 |
| 45 - 1149 | 23 |
| 49 - 1251 | 25 |
| 53 - 1352 | 27 |
| 57 - 1454 | 29 |
| 61 - 1556 | 31 |
| 69 - 1759 | 35 |
| 77 - 1962 | 39 |
| 85 - 2165 | 43 |

|      |      |     |      |           |
|------|------|-----|------|-----------|
| 354  | 1207 | 185 | 630  | 15 SC 21  |
| 420  | 1433 | 219 | 748  | 15 SC 25  |
| 487  | 1661 | 254 | 867  | 15 SC 29  |
| 620  | 2114 | 323 | 1104 | 15 SC 37* |
| 686  | 2342 | 358 | 1222 | 15 SC 41* |
| 753  | 2568 | 393 | 1340 | 15 SC 45* |
| 819  | 2796 | 428 | 1459 | 15 SC 49* |
| 886  | 3024 | 463 | 1578 | 15 SC 53* |
| 952  | 3249 | 497 | 1696 | 15 SC 57  |
| 1019 | 3477 | 532 | 1815 | 15 SC 61  |
| 1152 | 3931 | 601 | 2052 | 15 SC 69  |
| 1285 | 4385 | 671 | 2289 | 15 SC 77  |

Nominal Height  
21 inch  
(530mm)

|           |    |
|-----------|----|
| 17 - 438  | 9  |
| 21 - 540  | 11 |
| 25 - 641  | 13 |
| 29 - 743  | 15 |
| 33 - 844  | 17 |
| 37 - 946  | 19 |
| 41 - 1047 | 21 |
| 45 - 1149 | 23 |
| 49 - 1251 | 25 |
| 53 - 1352 | 27 |
| 57 - 1454 | 29 |
| 61 - 1556 | 31 |
| 69 - 1759 | 35 |
| 77 - 1962 | 39 |
| 85 - 2165 | 43 |

|      |      |     |      |           |
|------|------|-----|------|-----------|
| 375  | 1281 | 195 | 667  | 21 SC 17* |
| 463  | 1579 | 241 | 822  | 21 SC 21* |
| 549  | 1874 | 286 | 976  | 21 SC 25* |
| 637  | 2173 | 331 | 1131 | 21 SC 29* |
| 724  | 2471 | 377 | 1286 | 21 SC 33* |
| 811  | 2766 | 422 | 1440 | 21 SC 37* |
| 898  | 3064 | 467 | 1595 | 21 SC 41* |
| 985  | 3360 | 513 | 1749 | 21 SC 45* |
| 1072 | 3658 | 558 | 1904 | 21 SC 49* |
| 1160 | 3956 | 604 | 2059 | 21 SC 53* |
| 1246 | 4252 | 649 | 2213 | 21 SC 57* |
| 1333 | 4550 | 694 | 2368 | 21 SC 61* |
| 1507 | 5143 | 785 | 2677 | 21 SC 69* |
| 1681 | 5737 | 875 | 2986 | 21 SC 77  |
| 1855 | 6331 | 966 | 3295 | 21 SC 85  |

Nominal Height  
27 inch  
(690mm)

|           |    |
|-----------|----|
| 11 - 286  | 6  |
| 17 - 438  | 9  |
| 21 - 540  | 11 |
| 25 - 641  | 13 |
| 29 - 743  | 15 |
| 33 - 844  | 17 |
| 37 - 946  | 19 |
| 41 - 1047 | 21 |
| 45 - 1149 | 23 |
| 53 - 1352 | 27 |
| 61 - 1556 | 31 |
| 69 - 1759 | 35 |

|      |      |     |      |           |
|------|------|-----|------|-----------|
| 305  | 1042 | 157 | 534  | 27 SC 11* |
| 468  | 1596 | 240 | 818  | 27 SC 17* |
| 577  | 1968 | 296 | 1009 | 27 SC 21* |
| 685  | 2336 | 351 | 1198 | 27 SC 25* |
| 794  | 2708 | 407 | 1388 | 27 SC 29* |
| 902  | 3079 | 463 | 1579 | 27 SC 33* |
| 1010 | 3447 | 518 | 1767 | 27 SC 37* |
| 1119 | 3819 | 574 | 1958 | 27 SC 41* |
| 1227 | 4187 | 629 | 2147 | 27 SC 45* |
| 1445 | 4930 | 741 | 2528 | 27 SC 53  |
| 1662 | 5670 | 852 | 2907 | 27 SC 61  |
| 1879 | 6410 | 963 | 3286 | 27 SC 69  |

Double Panel "Xtra" - Type 21



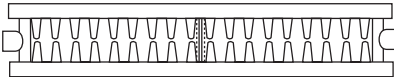
| Heat Outputs<br>@ ΔT 50°C |       | Heat Outputs<br>@ ΔT 30°C |       | Order Code |
|---------------------------|-------|---------------------------|-------|------------|
| Watts                     | Btu/h | Watts                     | Btu/h |            |
|                           |       |                           |       |            |
|                           |       |                           |       |            |
|                           |       |                           |       |            |
|                           |       |                           |       |            |
|                           |       |                           |       |            |

|      |      |     |      |            |
|------|------|-----|------|------------|
|      |      |     |      |            |
| 723  | 2467 | 375 | 1279 | 15 DPX 29  |
| 920  | 3141 | 477 | 1629 | 15 DPX 37* |
| 1020 | 3479 | 529 | 1805 | 15 DPX 41* |
| 1118 | 3815 | 580 | 1979 | 15 DPX 45* |
| 1217 | 4153 | 631 | 2154 | 15 DPX 49* |
| 1316 | 4492 | 683 | 2330 | 15 DPX 53* |
| 1415 | 4827 | 734 | 2504 | 15 DPX 57* |
| 1514 | 5166 | 785 | 2680 | 15 DPX 61  |
| 1712 | 5840 | 888 | 3029 | 15 DPX 69  |
| 1909 | 6514 | 990 | 3379 | 15 DPX 77  |

|      |      |      |      |            |
|------|------|------|------|------------|
| 550  | 1876 | 283  | 966  | 21 DPX 17* |
| 678  | 2312 | 349  | 1191 | 21 DPX 21* |
| 804  | 2745 | 414  | 1413 | 21 DPX 25* |
| 932  | 3182 | 480  | 1638 | 21 DPX 29* |
| 1060 | 3618 | 546  | 1863 | 21 DPX 33* |
| 1187 | 4051 | 611  | 2086 | 21 DPX 37* |
| 1315 | 4488 | 677  | 2311 | 21 DPX 41* |
| 1442 | 4920 | 742  | 2533 | 21 DPX 45* |
| 1570 | 5357 | 808  | 2758 | 21 DPX 49* |
| 1698 | 5794 | 874  | 2983 | 21 DPX 53* |
| 1825 | 6226 | 940  | 3206 | 21 DPX 57  |
| 1953 | 6663 | 1005 | 3431 | 21 DPX 61  |
| 2208 | 7532 | 1137 | 3878 | 21 DPX 69  |
| 2462 | 8401 | 1268 | 4326 | 21 DPX 77  |

|      |      |      |      |            |
|------|------|------|------|------------|
| 687  | 2343 | 351  | 1198 | 27 DPX 17* |
| 847  | 2889 | 433  | 1477 | 27 DPX 21* |
| 1005 | 3429 | 514  | 1753 | 27 DPX 25* |
| 1165 | 3975 | 596  | 2032 | 27 DPX 29* |
| 1325 | 4521 | 677  | 2311 | 27 DPX 33* |
| 1483 | 5061 | 758  | 2587 | 27 DPX 37* |
| 1643 | 5607 | 840  | 2866 | 27 DPX 41  |
| 1802 | 6147 | 921  | 3142 | 27 DPX 45  |
| 2122 | 7239 | 1084 | 3700 | 27 DPX 53  |
| 2440 | 8325 | 1247 | 4255 | 27 DPX 61  |

Double Convector - Type 22



| Heat Outputs<br>@ ΔT 50°C |       | Heat Outputs<br>@ ΔT 30°C |       | Order Code |
|---------------------------|-------|---------------------------|-------|------------|
| Watts                     | Btu/h | Watts                     | Btu/h |            |
| 795                       | 2712  | 413                       | 1408  | 12 DC 31   |
| 1201                      | 4098  | 624                       | 2129  | 12 DC 47   |
| 1609                      | 5489  | 835                       | 2851  | 12 DC 63   |
| 2015                      | 6875  | 1047                      | 3571  | 12 DC 79   |

|      |      |      |      |           |
|------|------|------|------|-----------|
| 675  | 2303 | 348  | 1186 | 15 DC 21  |
| 801  | 2734 | 413  | 1408 | 15 DC 25  |
| 929  | 3169 | 478  | 1632 | 15 DC 29* |
| 1183 | 4035 | 609  | 2078 | 15 DC 37* |
| 1310 | 4470 | 675  | 2302 | 15 DC 41* |
| 1436 | 4900 | 740  | 2524 | 15 DC 45* |
| 1564 | 5336 | 805  | 2748 | 15 DC 49* |
| 1691 | 5771 | 871  | 2972 | 15 DC 53* |
| 1818 | 6201 | 936  | 3194 | 15 DC 57  |
| 1945 | 6636 | 1002 | 3418 | 15 DC 61  |
| 2199 | 7502 | 1133 | 3864 | 15 DC 69  |
| 2453 | 8368 | 1263 | 4310 | 15 DC 77  |
| 2706 | 9234 | 1394 | 4756 | 15 DC 85  |

|      |       |      |      |           |
|------|-------|------|------|-----------|
| 706  | 2411  | 359  | 1226 | 21 DC 17* |
| 871  | 2972  | 443  | 1511 | 21 DC 21* |
| 1034 | 3528  | 526  | 1794 | 21 DC 25* |
| 1198 | 4089  | 609  | 2079 | 21 DC 29* |
| 1363 | 4651  | 693  | 2365 | 21 DC 33* |
| 1526 | 5206  | 776  | 2647 | 21 DC 37* |
| 1690 | 5768  | 859  | 2933 | 21 DC 41* |
| 1853 | 6324  | 942  | 3215 | 21 DC 45* |
| 2018 | 6885  | 1026 | 3501 | 21 DC 49* |
| 2182 | 7446  | 1110 | 3786 | 21 DC 53* |
| 2345 | 8002  | 1192 | 4069 | 21 DC 57  |
| 2510 | 8564  | 1276 | 4354 | 21 DC 61  |
| 2837 | 9681  | 1443 | 4922 | 21 DC 69  |
| 3165 | 10798 | 1609 | 5490 | 21 DC 77  |
| 3492 | 11915 | 1776 | 6058 | 21 DC 85  |

|      |       |      |      |           |
|------|-------|------|------|-----------|
| 572  | 1951  | 291  | 992  | 27 DC 11* |
| 876  | 2987  | 445  | 1519 | 27 DC 17* |
| 1079 | 3683  | 549  | 1872 | 27 DC 21* |
| 1281 | 4372  | 651  | 2222 | 27 DC 25* |
| 1485 | 5068  | 755  | 2576 | 27 DC 29* |
| 1689 | 5763  | 859  | 2930 | 27 DC 33* |
| 1891 | 6452  | 961  | 3280 | 27 DC 37* |
| 2095 | 7148  | 1065 | 3633 | 27 DC 41* |
| 2297 | 7837  | 1168 | 3984 | 27 DC 45* |
| 2705 | 9228  | 1375 | 4691 | 27 DC 53  |
| 3110 | 10613 | 1581 | 5395 | 27 DC 61  |
| 3516 | 11997 | 1787 | 6099 | 27 DC 69  |

N.B. The tabulated heat outputs are quoted at a mean water to air temperature difference of 50°C and 30°C. \*Available as 4 tap option.