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.

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: PREMRADKEY

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 5449 or BS 6880 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
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

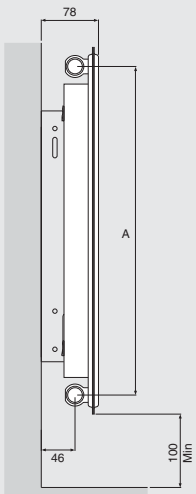
Example:

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.	

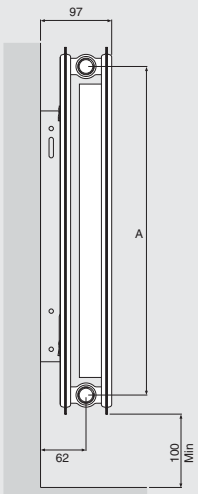
Weight and Water Contents per Metre Length

Type		Height (mm)									
		300		400		500		600		700	
		Weight (kg)	Water Content (kg)	Weight (kg)	Water Content (kg)	Weight (kg)	Water Content (kg)	Weight (kg)	Water Content (kg)	Weight (kg)	Water Content (kg)
11	SS	7.5	1.7	10.2	2.1	12.7	2.6	15.5	3.0	17.9	3.5
22	SD	14.9	3.4	20.3	4.3	25.5	5.2	30.7	6.2	35.9	7.0
21	SX	13.4	3.4	17.9	4.3	22.2	5.2	26.7	6.2	31.1	7.0
11G	SSG	8.4	1.7	11.2	2.1	13.8	2.6	16.7	3.0	19.3	3.5
22G	SDG	15.8	3.4	21.2	4.3	26.6	5.2	32.0	6.2	37.3	7.0
21G	SXG	14.1	3.4	18.7	4.3	23.2	5.2	27.9	6.2	32.3	7.0

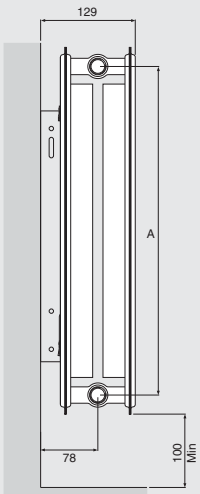
Mounting Positions, Dimensions and Wall Brackets



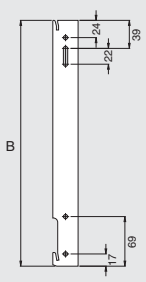
Type 11



Type 21

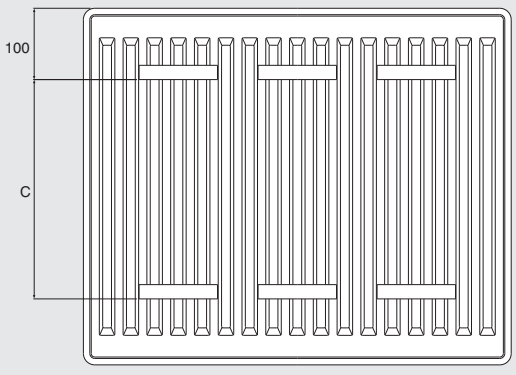


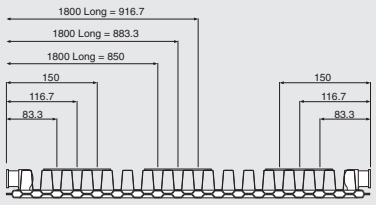
Type 22



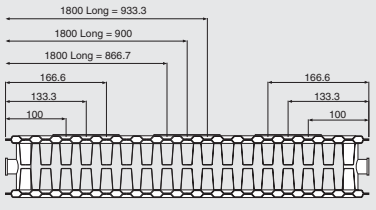
Nominal Height (mm)	A (mm)	B (mm)
300	250	142
400	350	242
500	450	342
600	550	442
700	650	542

Bracket Positions and Dimensions





Type 11



Type 21 & 22

Nominal Height (mm)	C (mm)
300	120
400	220
500	320
600	420
700	520

Connections

All **MYSON SELECT** radiators are fitted with 4 - ½ inch BSP connections.

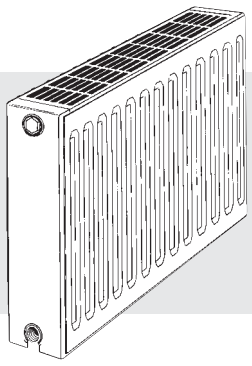
Air Vents

An air vent and plug are packed with every radiator.

Operating Pressures

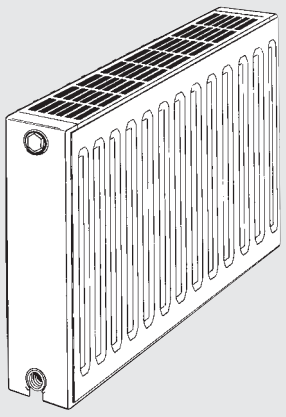
Every **MYSON SELECT** radiator is tested to a pressure of 10.5 bar (152.5 psi) and is suitable for a working pressure of up to 8.0 bar (117.1 psi).

Heat Outputs



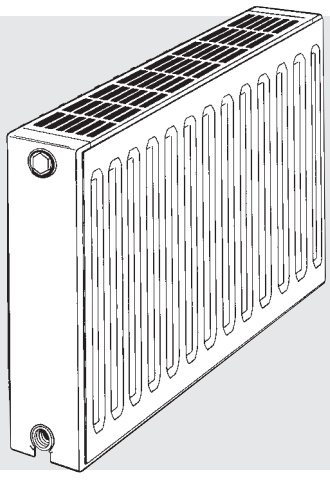
Nominal Height
300 mm / 12 in

Nominal Length (mm - inches)
600 - 24
1000 - 39
1400 - 55
1800 - 71
2000 - 79
2400 - 84



Nominal Height
400 mm / 16 in

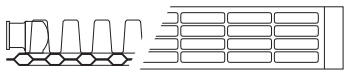
Nominal Length (mm - inches)
500 - 20
600 - 24
700 - 28
800 - 31
900 - 35
1000 - 39
1100 - 43
1200 - 47
1300 - 51
1400 - 55
1600 - 63
1800 - 71



Nominal Height
500 mm / 20 in

Nominal Length (mm - inches)
400 - 16
500 - 20
600 - 24
700 - 28
800 - 31
900 - 35
1000 - 39
1200 - 47
1400 - 55
1600 - 63
1800 - 71
2000 - 79
2400 - 94

Single Convector Type 11G
(with factory fitted top grille and side panels)



Output (watts)	Output (Btu/h)	Order Code
315	1075	SS 30 60G
525	1791	SS 30 100G
735	2508	SS 30 140G
945	3224	SS 30 180G
1050	3583	SS 30 200G
1260	4299	SS 30 240G

Output (watts)	Output (Btu/h)	Order Code
339	1157	SS 40 50G
407	1388	SS 40 60G
475	1619	SS 40 70G
542	1851	SS 40 80G
610	2082	SS 40 90G
678	2313	SS 40 100G
746	2545	SS 40 110G
814	2776	SS 40 120G
881	3007	SS 40 130G
949	3239	SS 40 140G
1085	3701	SS 40 160G
1220	4164	SS 40 180G

Output (watts)	Output (Btu/h)	Order Code
330	1126	SS 50 40G
413	1407	SS 50 50G
495	1689	SS 50 60G
578	1970	SS 50 70G
660	2252	SS 50 80G
743	2533	SS 50 90G
825	2815	SS 50 100G
990	3378	SS 50 120G
1155	3941	SS 50 140G
1320	4504	SS 50 160G
1485	5067	SS 50 180G
1650	5630	SS 50 200G
1980	6756	SS 50 240G

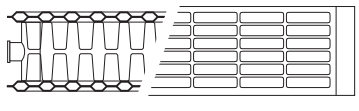
Double Panel "Xtra" Type 21G
(with factory fitted top grille and side panels)

Output (watts)	Output (Btu/h)	Order Code
461	1572	SX 30 60G
768	2620	SX 30 100G
1075	3669	SX 30 140G
1382	4717	SX 30 180G

Output (watts)	Output (Btu/h)	Order Code
486	1658	SX 40 50G
583	1990	SX 40 60G
680	2322	SX 40 70G
778	2653	SX 40 80G
875	2985	SX 40 90G
972	3316	SX 40 100G
1069	3648	SX 40 110G
1166	3980	SX 40 120G
1264	4311	SX 40 130G
1361	4643	SX 40 140G
1555	5306	SX 40 160G
1750	5970	SX 40 180G

Output (watts)	Output (Btu/h)	Order Code
467	1593	SX 50 40G
584	1991	SX 50 50G
700	2389	SX 50 60G
817	2787	SX 50 70G
934	3185	SX 50 80G
1050	3584	SX 50 90G
1167	3982	SX 50 100G
1400	4778	SX 50 120G
1634	5575	SX 50 140G
1867	6371	SX 50 160G
2101	7167	SX 50 180G

Double Convector Type 22G
(with factory fitted top grille and side panels)



Output (watts)	Output (Btu/h)	Order Code
580	1978	SD 30 60G
966	3296	SD 30 100G
1352	4614	SD 30 140G
1739	5933	SD 30 180G
1932	6592	SD 30 200G
2319	7912	SD 30 240G

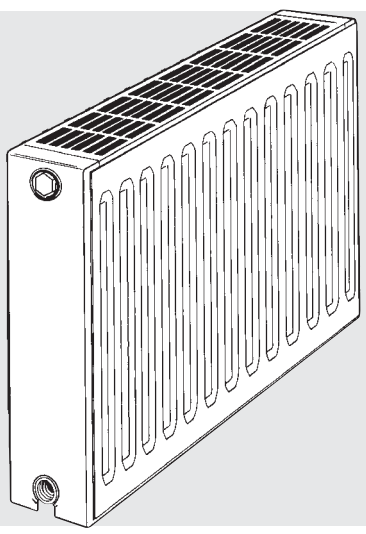
Output (watts)	Output (Btu/h)	Order Code
616	2102	SD 40 50G
739	2522	SD 40 60G
862	2943	SD 40 70G
986	3363	SD 40 80G
1109	3783	SD 40 90G
1232	4204	SD 40 100G
1355	4624	SD 40 110G
1478	5044	SD 40 120G
1602	5465	SD 40 130G
1725	5885	SD 40 140G
1971	6726	SD 40 160G
2218	7566	SD 40 180G

Output (watts)	Output (Btu/h)	Order Code
594	2027	SD 50 40G
743	2533	SD 50 50G
891	3040	SD 50 60G
1040	3547	SD 50 70G
1188	4053	SD 50 80G
1337	4560	SD 50 90G
1485	5067	SD 50 100G
1782	6080	SD 50 120G
2079	7094	SD 50 140G
2376	8107	SD 50 160G
2673	9120	SD 50 180G
2970	10134	SD 50 200G
3564	12160	SD 50 240G

N.B. The tabulated heat outputs are quoted at a mean water to air temperature difference of 50°C.

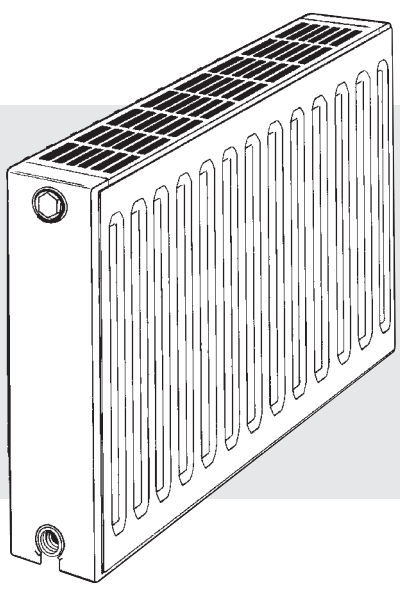
For further sizes please see page 14 overleaf.

Heat Outputs (continued)



Nominal Height
600 mm / 24 in

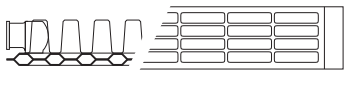
Nominal Length (mm - inches)
400 - 16
500 - 20
600 - 24
700 - 28
800 - 31
900 - 35
1000 - 39
1100 - 43
1200 - 47
1300 - 51
1400 - 55
1600 - 63
1800 - 71
2000 - 79
2400 - 94



Nominal Height
700 mm / 28 in

Nominal Length (mm - inches)
300 - 12
400 - 16
500 - 20
600 - 24
700 - 28
800 - 31
900 - 35
1000 - 39
1200 - 47
1400 - 55
1600 - 63

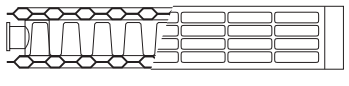
Single Convector Type 11G
(with factory fitted top grille and side panels)



Output (watts)	Output (Btu/h)	Order Code
386	1318	SS 60 40G
483	1648	SS 60 50G
580	1978	SS 60 60G
676	2307	SS 60 70G
773	2637	SS 60 80G
869	2966	SS 60 90G
966	3296	SS 60 100G
1063	3626	SS 60 110G
1159	3955	SS 60 120G
1256	4285	SS 60 130G
1352	4614	SS 60 140G
1546	5274	SS 60 160G
1739	5933	SS 60 180G
1932	6592	SS 60 200G
2319	7912	SS 60 240G

Output (watts)	Output (Btu/h)	Order Code
330	1126	SS 70 30G
440	1501	SS 70 40G
550	1877	SS 70 50G
660	2252	SS 70 60G
770	2627	SS 70 70G
880	3003	SS 70 80G
990	3378	SS 70 90G
1100	3753	SS 70 100G
1320	4504	SS 70 120G
1540	5254	SS 70 140G
1760	6005	SS 70 160G

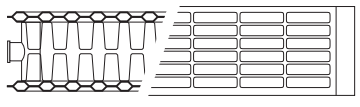
Double Panel "Xtra" Type 21G
(with factory fitted top grille and side panels)



Output (watts)	Output (Btu/h)	Order Code
542	1849	SX 60 40G
678	2312	SX 60 50G
813	2774	SX 60 60G
949	3236	SX 60 70G
1084	3699	SX 60 80G
1220	4161	SX 60 90G
1355	4623	SX 60 100G
1491	5086	SX 60 110G
1626	5548	SX 60 120G
1762	6010	SX 60 130G
1897	6473	SX 60 140G
2168	7397	SX 60 160G
2439	8322	SX 60 180G

Output (watts)	Output (Btu/h)	Order Code
615	2098	SX 70 40G
769	2622	SX 70 50G
922	3147	SX 70 60G
1076	3671	SX 70 70G
1230	4195	SX 70 80G
1383	4720	SX 70 90G
1537	5244	SX 70 100G
1844	6293	SX 70 120G
2152	7342	SX 70 140G
2459	8391	SX 70 160G

Double Convector Type 22G
(with factory fitted top grille and side panels)



Output (watts)	Output (Btu/h)	Order Code
691	2357	SD 60 40G
864	2946	SD 60 50G
1036	3536	SD 60 60G
1209	4125	SD 60 70G
1382	4714	SD 60 80G
1554	5303	SD 60 90G
1727	5893	SD 60 100G
1900	6482	SD 60 110G
2072	7071	SD 60 120G
2245	7660	SD 60 130G
2418	8250	SD 60 140G
2763	9428	SD 60 160G
3109	10607	SD 60 180G
3454	11785	SD 60 200G
4145	14143	SD 60 240G

Output (watts)	Output (Btu/h)	Order Code
783	2672	SD 70 40G
979	3340	SD 70 50G
1175	4008	SD 70 60G
1371	4676	SD 70 70G
1566	5345	SD 70 80G
1762	6013	SD 70 90G
1958	6681	SD 70 100G
2350	8017	SD 70 120G
2741	9353	SD 70 140G
3133	10689	SD 70 160G

N.B. The tabulated heat outputs are quoted at a mean water to air temperature difference of 50°C.