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

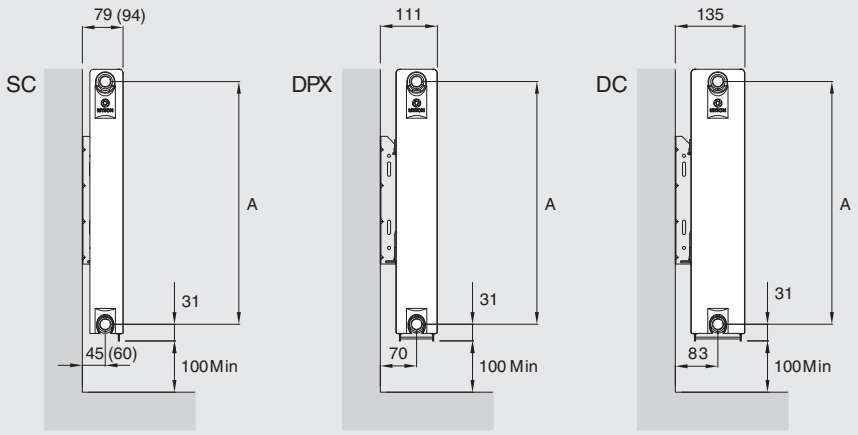
Example:

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 Weight (kg)	300 Water Content (kg)	450 Weight (kg)	450 Water Content (kg)	600 Weight (kg)	600 Water Content (kg)	700 Weight (kg)	700 Water Content (kg)
11	SC	9.4	2.8	13.6	3.4	18.4	4.1	21.3	4.9
21	DPX	15.4	5.7	22.2	6.7	29.2	8.3	33.8	9.9
22	DC	18.5	5.7	25.7	6.7	34.7	8.3	40.2	9.9

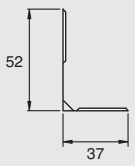
Mounting Positions, Dimensions and Wall Brackets



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

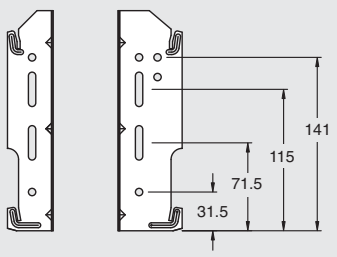
Nominal Height (mm)	A (mm)
300	245
450	395
600	545
700	645

Bracket Plan View

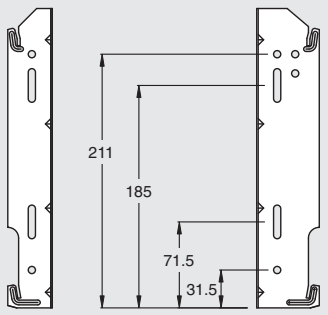


N.B. Long leg suitable for hanging Type 11 (SC) radiators only. Short leg suitable for radiator Types 11, 21 & 22.

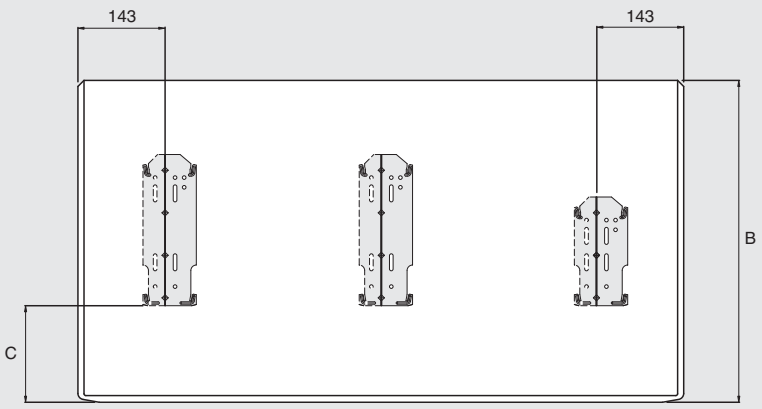
300mm Wall Bracket



450/530/600/700mm Wall Bracket



Bracket Positions and Dimensions



Nominal Height (mm)	B (mm)	C (mm)
300	300	70
450	450	137
600	600	220
700	700	310

N.B. Only radiators 1800mm & 2000mm long have 3 sets of brackets as shown, with the 3rd set in the middle of the radiator.

Connections

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

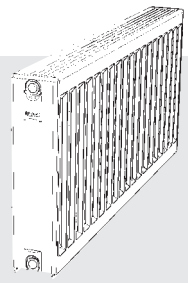
Air Vents

An air vent and plug are packed with every radiator.

Operating Pressures

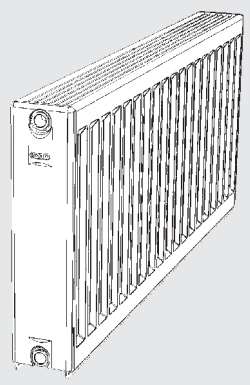
Every **MYSON PREMIER Compact** radiator is tested to a pressure of 7 bar (101.5 psi) and is suitable for a working pressure of up to 5.4 bar (78 psi).

Heat Outputs



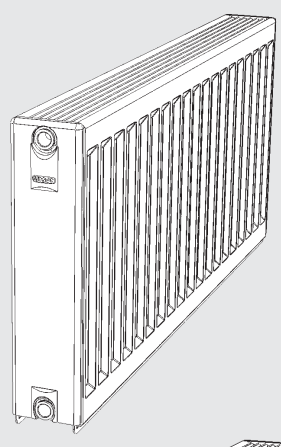
Nominal Height
300 mm / 12 in

Nominal Length (mm - inches)	Number of Sections
400 - 16	8
800 - 31	16
1000 - 39	20
1200 - 47	24
1600 - 63	32
2000 - 79	40



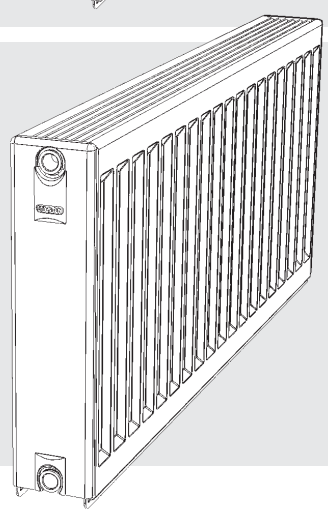
Nominal Height
450 mm / 18 in

Nominal Length (mm - inches)	Number of Sections
400 - 16	8
500 - 20	10
600 - 24	12
700 - 28	14
800 - 31	16
900 - 35	18
1000 - 39	20
1100 - 43	22
1200 - 47	24
1400 - 55	28
1600 - 63	32
1800 - 71	36
2000 - 79	40



Nominal Height
600 mm / 24 in

Nominal Length (mm - inches)	Number of Sections
400 - 16	8
500 - 20	10
600 - 24	12
700 - 28	14
800 - 31	16
900 - 35	18
1000 - 39	20
1100 - 43	22
1200 - 47	24
1400 - 55	28
1600 - 63	32
1800 - 71	36
2000 - 79	40

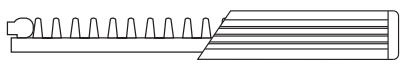


Nominal Height
700 mm / 28 in

Nominal Length (mm - inches)	Number of Sections
300 - 12	6
400 - 16	8
500 - 20	10
600 - 24	12
700 - 28	14
800 - 31	16
900 - 35	18
1000 - 39	20
1100 - 43	22
1200 - 47	24
1400 - 55	28
1600 - 63	32

Single Convector Type 11

(with factory fitted top grille and side panels)



Output (watts)	Output (Btu/h)	Order Code
191	652	30 SC 40 G
392	1338	30 SC 80 G
593	2023	30 SC 120 G
794	2709	30 SC 160 G
994	3393	30 SC 200 G

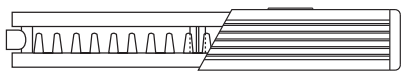
Output (watts)	Output (Btu/h)	Order Code
273	931	45 SC 40 G
345	1176	45 SC 50 G
417	1422	45 SC 60 G
488	1665	45 SC 70 G
560	1910	45 SC 80 G
631	2153	45 SC 90 G
703	2398	45 SC 100 G
775	2644	45 SC 110 G
846	2887	45 SC 120 G
989	3375	45 SC 140 G
1133	3866	45 SC 160 G
1276	4354	45 SC 180 G
1419	4842	45 SC 200 G

Output (watts)	Output (Btu/h)	Order Code
347	1184	60 SC 40 G
439	1497	60 SC 50 G
530	1809	60 SC 60 G
621	2118	60 SC 70 G
712	2430	60 SC 80 G
803	2739	60 SC 90 G
894	3051	60 SC 100 G
986	3364	60 SC 110 G
1076	3673	60 SC 120 G
1258	4294	60 SC 140 G
1441	4918	60 SC 160 G
1624	5540	60 SC 180 G
1806	6161	60 SC 200 G

Output (watts)	Output (Btu/h)	Order Code
287	979	70 SC 30 G
393	1340	70 SC 40 G
496	1693	70 SC 50 G
600	2047	70 SC 60 G
702	2397	70 SC 70 G
806	2750	70 SC 80 G
908	3100	70 SC 90 G
1012	3453	70 SC 100 G
1115	3806	70 SC 110 G
1218	4156	70 SC 120 G
1424	4859	70 SC 140 G
1631	5565	70 SC 160 G

Double Panel "Xtra" Type 21

(with factory fitted top grille and side panels)



Output (watts)	Output (Btu/h)	Order Code
571	1948	30 DPX 80 G
863	2944	30 DPX 120 G
1155	3942	30 DPX 160 G

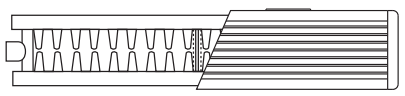
Output (watts)	Output (Btu/h)	Order Code
802	2736	45 DPX 80 G
904	3084	45 DPX 90 G
1007	3436	45 DPX 100 G
1110	3787	45 DPX 110 G
1212	4135	45 DPX 120 G
1417	4835	45 DPX 140 G
1623	5538	45 DPX 160 G
1828	6237	45 DPX 180 G

Output (watts)	Output (Btu/h)	Order Code
499	1703	60 DPX 40 G
631	2152	60 DPX 50 G
762	2601	60 DPX 60 G
893	3046	60 DPX 70 G
1024	3495	60 DPX 80 G
1155	3939	60 DPX 90 G
1286	4388	60 DPX 100 G
1418	4837	60 DPX 110 G
1548	5282	60 DPX 120 G
1810	6175	60 DPX 140 G
2073	7073	60 DPX 160 G
2335	7967	60 DPX 180 G
2597	8860	60 DPX 200 G

Output (watts)	Output (Btu/h)	Order Code
570	1945	70 DPX 40 G
720	2458	70 DPX 50 G
871	2970	70 DPX 60 G
1019	3478	70 DPX 70 G
1170	3991	70 DPX 80 G
1318	4498	70 DPX 90 G
1469	5011	70 DPX 100 G
1619	5523	70 DPX 110 G
1768	6031	70 DPX 120 G
2067	7051	70 DPX 140 G
2367	8077	70 DPX 160 G

Double Convector Type 22

(with factory fitted top grille and side panels)



Output (watts)	Output (Btu/h)	Order Code
357	1217	30 DC 40 G
732	2498	30 DC 80 G
922	3146	30 DC 100 G
1106	3775	30 DC 120 G
1482	5055	30 DC 160 G
1856	6333	30 DC 200 G

Output (watts)	Output (Btu/h)	Order Code
497	1695	45 DC 40 G
628	2142	45 DC 50 G
759	2589	45 DC 60 G
889	3032	45 DC 70 G
1019	3479	45 DC 80 G
1149	3921	45 DC 90 G
1280	4368	45 DC 100 G
1411	4815	45 DC 110 G
1541	5257	45 DC 120 G
1801	6147	45 DC 140 G
2063	7040	45 DC 160 G
2324	7930	45 DC 180 G
2585	8819	45 DC 200 G

Output (watts)	Output (Btu/h)	Order Code
634	2164	60 DC 40 G
801	2735	60 DC 50 G
969	3305	60 DC 60 G
1134	3870	60 DC 70 G
1301	4440	60 DC 80 G
1467	5005	60 DC 90 G
1634	5575	60 DC 100 G
1801	6146	60 DC 110 G
1967	6711	60 DC 120 G
2300	7846	60 DC 140 G
2634	8987	60 DC 160 G
2967	10122	60 DC 180 G
3299	11257	60 DC 200 G

Output (watts)	Output (Btu/h)	Order Code
529	1805	70 DC 30 G
726	2476	70 DC 40 G
917	3128	70 DC 50 G
1108	3781	70 DC 60 G
1298	4427	70 DC 70 G
1489	5080	70 DC 80 G
1678	5726	70 DC 90 G
1869	6378	70 DC 100 G
2061	7031	70 DC 110 G
2250	7677	70 DC 120 G
2631	8976	70 DC 140 G
3013	10281	70 DC 160 G

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