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: 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 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:

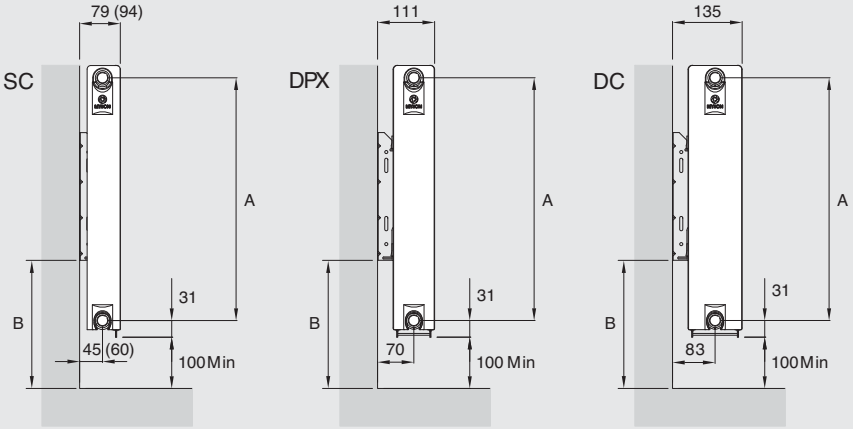
Heat emission required: 2000 Watts
Room air temperature required: 20°C
Mean water temperature in radiator: 65°C

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 Metre Length

Type		Height (mm)							
		300		450		600		700	
		Weight (kg)	Water Content (l)	Weight (kg)	Water Content (l)	Weight (kg)	Water Content (l)	Weight (kg)	Water Content (l)
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

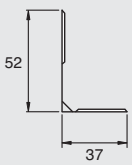
Mounting Positions, Dimensions and Wall Brackets



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

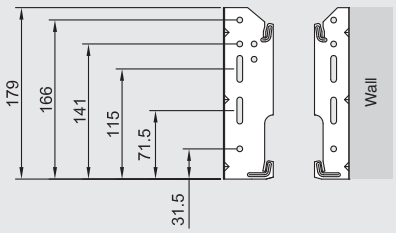
Nominal Height (mm)	A (mm)	B (mm)
300	245	170
450	395	237
600	545	320
700	645	410

Bracket Plan View

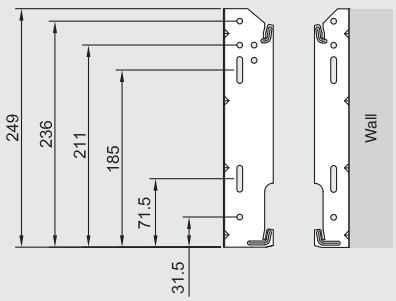


N.B. Long leg suitable for hanging Type 11 (SC) radiators only. Short leg suitable for radiator Types 11, 21 & 22.

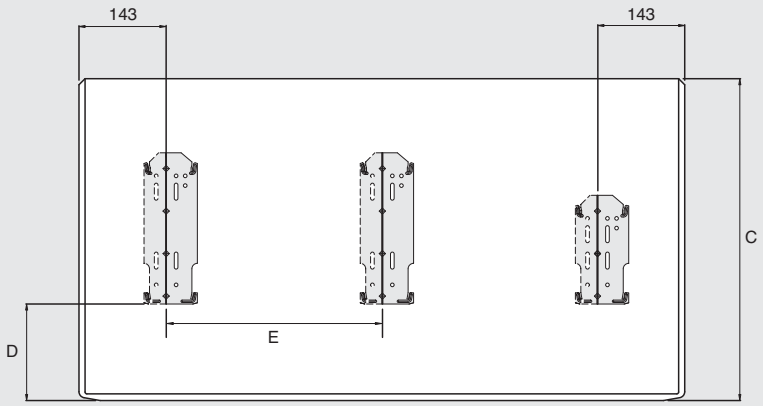
300mm Wall Bracket



450/600/700mm Wall Bracket



Bracket Positions and Dimensions



(View from back of radiator)

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

Nominal Length (mm)	E (mm)
1800	762
2000	864

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

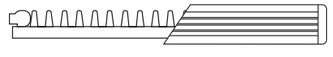
An air vent and plug are packed with every radiator.

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).

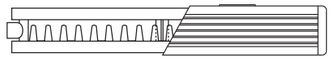
Single Convector - Type 11

(with factory fitted top grille and side panels)



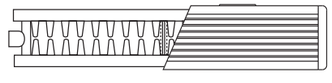
Double Panel "Xtra" - Type 21

(with factory fitted top grille and side panels)



Double Convector - Type 22

(with factory fitted top grille and side panels)



	Nominal Length (mm - inches)	Single Convector - Type 11 Heat Outputs @ ΔT 50°C Watts	Single Convector - Type 11 Heat Outputs @ ΔT 50°C Btu/h	Single Convector - Type 11 Heat Outputs @ ΔT 30°C Watts	Single Convector - Type 11 Heat Outputs @ ΔT 30°C Btu/h	Single Convector - Type 11 Order Code	Double Panel "Xtra" - Type 21 Heat Outputs @ ΔT 50°C Watts	Double Panel "Xtra" - Type 21 Heat Outputs @ ΔT 50°C Btu/h	Double Panel "Xtra" - Type 21 Heat Outputs @ ΔT 30°C Watts	Double Panel "Xtra" - Type 21 Heat Outputs @ ΔT 30°C Btu/h	Double Panel "Xtra" - Type 21 Order Code	Double Convector - Type 22 Heat Outputs @ ΔT 50°C Watts	Double Convector - Type 22 Heat Outputs @ ΔT 50°C Btu/h	Double Convector - Type 22 Heat Outputs @ ΔT 30°C Watts	Double Convector - Type 22 Heat Outputs @ ΔT 30°C Btu/h	Double Convector - Type 22 Order Code
Nominal Height 300mm	400 - 16	191	652	99	339	30 SC 40 G						353	1206	186	636	30 DC 40 G
	800 - 31	392	1338	204	695	30 SC 80 G	584	1991	313	1067	30 DPX 80 G	725	2473	382	1305	30 DC 80 G
	1000 - 39											910	3106	480	1638	30 DC 100 G
	1200 - 47	593	2023	308	1051	30 SC 120 G	882	3009	473	1612	30 DPX 120 G	1096	3738	578	1972	30 DC 120 G
	1600 - 63	794	2709	412	1407	30 SC 160 G	1181	4030	633	2159	30 DPX 160 G	1467	5006	774	2641	30 DC 160 G
	2000 - 79	994	3393	516	1762	30 SC 200 G						1838	6271	969	3308	30 DC 200 G
Nominal Height 450mm	400 - 16	272	927	141	480	45 SC 40 G						518	1767	267	912	45 DC 40 G
	500 - 20	343	1171	178	607	45 SC 50 G						654	2232	338	1152	45 DC 50 G
	600 - 24	415	1416	215	733	45 SC 60 G						791	2698	408	1392	45 DC 60 G
	700 - 28	486	1657	252	859	45 SC 70 G						926	3159	478	1630	45 DC 70 G
	800 - 31	557	1902	289	985	45 SC 80 G	796	2715	418	1425	45 DPX 80 G	1062	3625	548	1871	45 DC 80 G
	900 - 35	628	2144	325	1110	45 SC 90 G	897	3060	471	1606	45 DPX 90 G	1198	4086	618	2108	45 DC 90 G
	1000 - 39	700	2388	363	1237	45 SC 100 G	999	3409	524	1789	45 DPX 100 G	1334	4552	688	2349	45 DC 100 G
	1100 - 43	771	2632	400	1363	45 SC 110 G	1101	3757	578	1972	45 DPX 110 G	1470	5017	759	2589	45 DC 110 G
	1200 - 47	842	2874	436	1489	45 SC 120 G	1202	4103	631	2153	45 DPX 120 G	1606	5478	829	2827	45 DC 120 G
	1400 - 55	985	3360	510	1741	45 SC 140 G	1406	4797	738	2517	45 DPX 140 G	1877	6405	969	3305	45 DC 140 G
	1600 - 63	1128	3849	584	1994	45 SC 160 G	1610	5494	845	2883	45 DPX 160 G	2150	7336	1110	3786	45 DC 160 G
	1800 - 71	1271	4335	658	2246	45 SC 180 G	1814	6188	952	3247	45 DPX 180 G	2422	8263	1250	4264	45 DC 180 G
	2000 - 79	1413	4822	732	2497	45 SC 200 G						2693	9190	1390	4742	45 DC 200 G
Nominal Height 600mm	400 - 16	354	1210	182	621	60 SC 40 G	491	1674	254	865	60 DPX 40 G	662	2258	335	1144	60 DC 40 G
	500 - 20	448	1528	230	785	60 SC 50 G	620	2116	320	1093	60 DPX 50 G	836	2853	424	1446	60 DC 50 G
	600 - 24	541	1847	278	949	60 SC 60 G	749	2557	387	1321	60 DPX 60 G	1011	3448	512	1747	60 DC 60 G
	700 - 28	634	2163	326	1111	60 SC 70 G	877	2994	453	1547	60 DPX 70 G	1183	4037	600	2046	60 DC 70 G
	800 - 31	727	2482	374	1275	60 SC 80 G	1007	3435	520	1775	60 DPX 80 G	1358	4633	688	2348	60 DC 80 G
	900 - 35	820	2797	421	1437	60 SC 90 G	1135	3872	586	2001	60 DPX 90 G	1530	5222	776	2646	60 DC 90 G
	1000 - 39	913	3116	469	1601	60 SC 100 G	1264	4313	653	2229	60 DPX 100 G	1705	5817	864	2948	60 DC 100 G
	1100 - 43	1007	3435	517	1764	60 SC 110 G	1394	4755	720	2457	60 DPX 110 G	1879	6412	952	3249	60 DC 110 G
	1200 - 47	1099	3750	565	1926	60 SC 120 G	1522	5192	786	2683	60 DPX 120 G	2052	7001	1040	3548	60 DC 120 G
	1400 - 55	1285	4385	660	2252	60 SC 140 G	1779	6070	919	3137	60 DPX 140 G	2399	8186	1216	4148	60 DC 140 G
	1600 - 63	1472	5023	756	2580	60 SC 160 G	2038	6953	1053	3593	60 DPX 160 G	2748	9376	1393	4751	60 DC 160 G
	1800 - 71	1658	5657	852	2906	60 SC 180 G	2295	7831	1186	4046	60 DPX 180 G	3095	10560	1568	5351	60 DC 180 G
	2000 - 79	1844	6291	947	3232	60 SC 200 G	2552	8709	1319	4500	60 DPX 200 G	3442	11745	1744	5952	60 DC 200 G
Nominal Height 700mm	300 - 12	300	1023	152	520	70 SC 30 G						545	1861	274	934	70 DC 30 G
	400 - 16	411	1404	209	714	70 SC 40 G	561	1915	288	983	70 DPX 40 G	746	2546	375	1278	70 DC 40 G
	500 - 20	520	1774	264	902	70 SC 50 G	709	2419	364	1242	70 DPX 50 G	943	3217	473	1615	70 DC 50 G
	600 - 24	628	2144	320	1090	70 SC 60 G	857	2924	440	1501	70 DPX 60 G	1139	3888	572	1952	70 DC 60 G
	700 - 28	736	2510	374	1276	70 SC 70 G	1003	3424	515	1758	70 DPX 70 G	1334	4552	670	2285	70 DC 70 G
	800 - 31	844	2880	429	1465	70 SC 80 G	1151	3928	591	2017	70 DPX 80 G	1531	5223	769	2622	70 DC 80 G
	900 - 35	951	3246	484	1651	70 SC 90 G	1298	4428	666	2274	70 DPX 90 G	1726	5888	866	2956	70 DC 90 G
	1000 - 39	1060	3616	539	1839	70 SC 100 G	1446	4933	742	2533	70 DPX 100 G	1922	6559	965	3293	70 DC 100 G
	1100 - 43	1168	3986	594	2027	70 SC 110 G	1594	5437	818	2792	70 DPX 110 G	2119	7230	1064	3630	70 DC 110 G
	1200 - 47	1276	4352	649	2214	70 SC 120 G	1740	5937	893	3048	70 DPX 120 G	2314	7894	1162	3963	70 DC 120 G
	1400 - 55	1491	5089	758	2588	70 SC 140 G	2034	6941	1045	3564	70 DPX 140 G	2705	9229	1358	4634	70 DC 140 G
	1600 - 63	1708	5829	869	2964	70 SC 160 G	2330	7950	1196	4082	70 DPX 160 G	3098	10571	1556	5307	70 DC 160 G

N.B. The tabulated heat outputs are quoted at a mean water to air temperature difference of 50°C and 30°C.

PREMIER COMPACT