

General Specifications

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: 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 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.

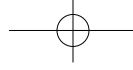
The heat outputs shown in the table below are based on a mean water to air temperature difference of 50°C. When the difference is not 50°C, the output should be multiplied by the appropriate factor from within the table:

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.



06 SELECT Compact & SELECT Standard Technical Information

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

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

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

Connections

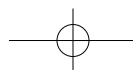
All MYSON SELECT radiators are fitted with 4 - 1/2 inch BSP connections.

Air Vents

An air vent and plug are packed with every radiator.

Operating Pressures

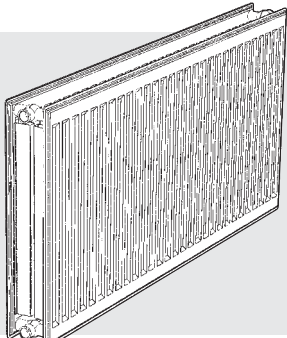
Every MYSON SELECT radiator is tested to a pressure of 10.5 bar (152.5 psi) and is suitable for a working pressure of up to 8.0 bar (117.1 psi).





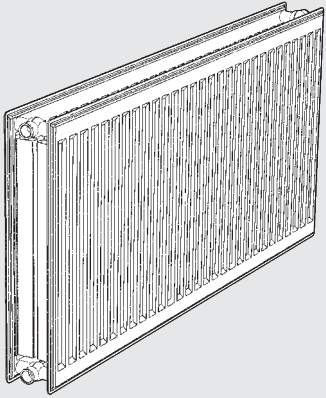
16 **SELECT Standard** Heat Outputs

Heat Outputs



**Nominal Height
300 mm / 12 in**

Nominal Length (mm - inches)
600 - 24
1000 - 39
1400 - 55
1800 - 71
2000 - 79
2400 - 94
2700 - 106
3000 - 118



**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
2000 - 79
2400 - 94
2700 - 106
3000 - 118



**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
2700 - 106
3000 - 118



SELECT Standard Heat Outputs 17

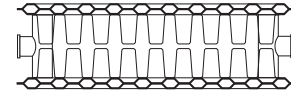
**Single Convactor
Type 11**



**Double Panel "Xtra"
Type 21**



**Double Convactor
Type 22**



Output (watts)	Output (Btu/h)	Order Code	Output (watts)	Output (Btu/h)	Order Code	Output (watts)	Output (Btu/h)	Order Code
315	1075	SS 30 60	478	1632	SX 30 60	603	2057	SD 30 60
525	1791	SS 30 100	797	2719	SX 30 100	1005	3429	SD 30 100
735	2508	SS 30 140	1116	3807	SX 30 140	1407	4801	SD 30 140
945	3224	SS 30 180	1435	4895	SX 30 180	1809	6172	SD 30 180
1050	3583	SS 30 200	1594	5439	SX 30 200	2010	6858	SD 30 200
1260	4299	SS 30 240	1913	6526	SX 30 240	2412	8230	SD 30 240
1418	4837	SS 30 270	2152	7342	SX 30 270	2714	9258	SD 30 270
1575	5374	SS 30 300	2391	8158	SX 30 300	3015	10287	SD 30 300

Output (watts)	Output (Btu/h)	Order Code	Output (watts)	Output (Btu/h)	Order Code	Output (watts)	Output (Btu/h)	Order Code
341	1163	SS 40 50	504	1720	SX 40 50	641	2187	SD 40 50
409	1396	SS 40 60	605	2064	SX 40 60	769	2625	SD 40 60
477	1629	SS 40 70	706	2408	SX 40 70	897	3062	SD 40 70
546	1862	SS 40 80	806	2751	SX 40 80	1026	3499	SD 40 80
614	2094	SS 40 90	907	3095	SX 40 90	1154	3937	SD 40 90
682	2327	SS 40 100	1008	3439	SX 40 100	1282	4374	SD 40 100
750	2560	SS 40 110	1109	3783	SX 40 110	1410	4812	SD 40 110
818	2792	SS 40 120	1210	4127	SX 40 120	1538	5249	SD 40 120
887	3025	SS 40 130	1310	4471	SX 40 130	1667	5686	SD 40 130
955	3258	SS 40 140	1411	4815	SX 40 140	1795	6124	SD 40 140
1091	3723	SS 40 160	1613	5503	SX 40 160	2051	6999	SD 40 160
1228	4189	SS 40 180	1814	6191	SX 40 180	2308	7874	SD 40 180
1364	4654	SS 40 200	2016	6879	SX 40 200	2564	8748	SD 40 200
1637	5585	SS 40 240	2419	8254	SX 40 240	3077	10498	SD 40 240
1841	6283	SS 40 270	2722	9286	SX 40 270	3461	11810	SD 40 270
2046	6981	SS 40 300	3024	10318	SX 40 300	3846	13123	SD 40 300

Output (watts)	Output (Btu/h)	Order Code	Output (watts)	Output (Btu/h)	Order Code	Output (watts)	Output (Btu/h)	Order Code
332	1133	SS 50 40	484	1650	SX 50 40	618	2110	SD 50 40
415	1416	SS 50 50	605	2063	SX 50 50	773	2637	SD 50 50
498	1699	SS 50 60	725	2475	SX 50 60	928	3165	SD 50 60
581	1982	SS 50 70	846	2888	SX 50 70	1082	3692	SD 50 70
664	2266	SS 50 80	967	3300	SX 50 80	1237	4220	SD 50 80
747	2549	SS 50 90	1088	3713	SX 50 90	1391	4747	SD 50 90
830	2832	SS 50 100	1209	4125	SX 50 100	1546	5275	SD 50 100
996	3398	SS 50 120	1451	4950	SX 50 120	1855	6330	SD 50 120
1162	3965	SS 50 140	1693	5775	SX 50 140	2164	7385	SD 50 140
1328	4531	SS 50 160	1934	6600	SX 50 160	2474	8440	SD 50 160
1494	5098	SS 50 180	2176	7425	SX 50 180	2783	9495	SD 50 180
1660	5664	SS 50 200	2418	8250	SX 50 200	3092	10550	SD 50 200
1992	6797	SS 50 240	2902	9900	SX 50 240	3710	12660	SD 50 240
2241	7646	SS 50 270	3264	11138	SX 50 270	4174	14242	SD 50 270
2490	8496	SS 50 300	3627	12375	SX 50 300	4638	15825	SD 50 300

HEAT OUTPUTS

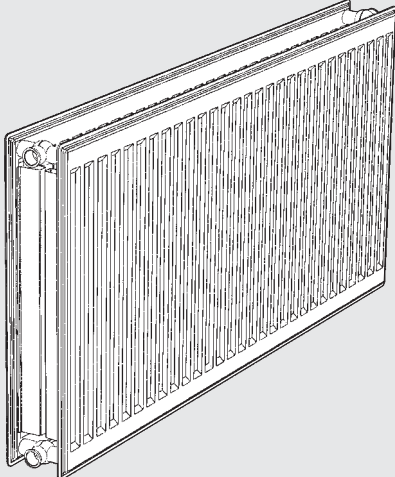
N.B. The tabulated heat outputs are quoted at a mean water to air temperature difference of 50°C.

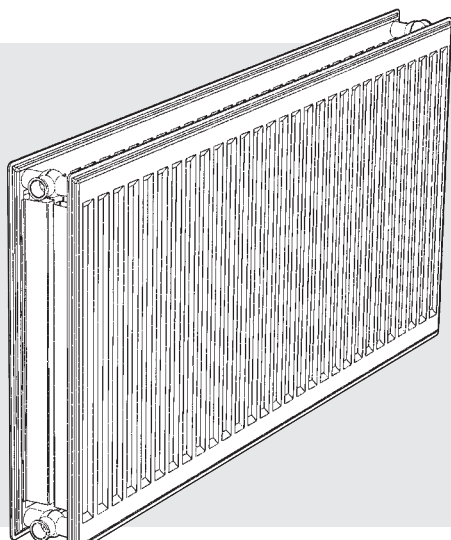
For further sizes please see page 18 overleaf.



18 **SELECT Standard** Heat Outputs

Heat Outputs (continued)

 <p>Nominal Height 600 mm / 24 in</p>	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
2700 - 106	
3000 - 118	

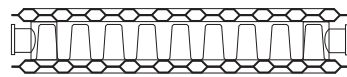
 <p>Nominal Height 700 mm / 28 in</p>	Nominal Length (mm - inches)
	400 - 16
	500 - 20
	600 - 24
	700 - 28
	800 - 31
	900 - 35
	1000 - 39
	1200 - 47
	1400 - 55
	1600 - 63
	2000 - 79
	2400 - 94
	2700 - 106
	3000 - 118

SELECT Standard Heat Outputs 19

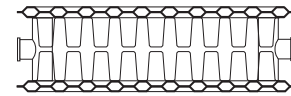
**Single Convactor
Type 11**



**Double Panel "Xtra"
Type 21**



**Double Convactor
Type 22**



Output (watts)	Output (Btu/h)	Order Code	Output (watts)	Output (Btu/h)	Order Code	Output (watts)	Output (Btu/h)	Order Code
388	1322	SS 60 40	560	1911	SX 60 40	720	2455	SD 60 40
485	1653	SS 60 50	700	2388	SX 60 50	900	3069	SD 60 50
581	1984	SS 60 60	840	2866	SX 60 60	1079	3683	SD 60 60
678	2314	SS 60 70	980	3344	SX 60 70	1259	4297	SD 60 70
775	2645	SS 60 80	1120	3821	SX 60 80	1439	4911	SD 60 80
872	2976	SS 60 90	1260	4299	SX 60 90	1619	5524	SD 60 90
969	3306	SS 60 100	1400	4777	SX 60 100	1799	6138	SD 60 100
1066	3637	SS 60 110	1540	5254	SX 60 110	1979	6752	SD 60 110
1163	3967	SS 60 120	1680	5732	SX 60 120	2159	7366	SD 60 120
1260	4298	SS 60 130	1820	6210	SX 60 130	2339	7980	SD 60 130
1357	4629	SS 60 140	1960	6688	SX 60 140	2519	8593	SD 60 140
1550	5290	SS 60 160	2240	7643	SX 60 160	2878	9821	SD 60 160
1744	5951	SS 60 180	2520	8598	SX 60 180	3238	11049	SD 60 180
1938	6612	SS 60 200	2800	9554	SX 60 200	3598	12276	SD 60 200
2326	7935	SS 60 240	3360	11464	SX 60 240	4318	14732	SD 60 240
2616	8927	SS 60 270	3780	12897	SX 60 270	4857	16573	SD 60 270
2907	9919	SS 60 300	4200	14330	SX 60 300	5397	18415	SD 60 300

Output (watts)	Output (Btu/h)	Order Code	Output (watts)	Output (Btu/h)	Order Code	Output (watts)	Output (Btu/h)	Order Code
440	1501	SS 70 40	633	2160	SX 70 40	817	2788	SD 70 40
550	1877	SS 70 50	792	2701	SX 70 50	1022	3485	SD 70 50
660	2252	SS 70 60	950	3241	SX 70 60	1226	4182	SD 70 60
770	2627	SS 70 70	1108	3781	SX 70 70	1430	4880	SD 70 70
880	3003	SS 70 80	1266	4321	SX 70 80	1634	5577	SD 70 80
990	3378	SS 70 90	1425	4861	SX 70 90	1839	6274	SD 70 90
1100	3753	SS 70 100	1583	5401	SX 70 100	2043	6971	SD 70 100
1320	4504	SS 70 120	1900	6481	SX 70 120	2452	8365	SD 70 120
1540	5254	SS 70 140	2216	7562	SX 70 140	2860	9759	SD 70 140
1760	6005	SS 70 160	2533	8642	SX 70 160	3269	11153	SD 70 160
2200	7506	SS 70 200	3166	10802	SX 70 200	4086	13941	SD 70 200
2640	9008	SS 70 240	3799	12963	SX 70 240	4903	16730	SD 70 240
2970	10134	SS 70 270	4274	14583	SX 70 270	5516	18821	SD 70 270
3300	11260	SS 70 300	4749	16204	SX 70 300	6129	20912	SD 70 300

HEAT OUTPUTS

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