

The radiator book

 **Stelrad**
Europe's favourite radiator



Style less ordinary







Welcome to the new Stelrad radiator book.

Stelrad is the UK's No.1 radiator manufacturer and Europe's favourite radiator brand. Our success has been built on four key commitments: availability, range, reliability, and value

This book contains everything you're likely to need - from steel panels and towel rails to column, decorative and low surface temperature radiators. Whether your project is domestic or commercial, we have the model and size for almost any application, and the style range to enhance any space.

What's more, because it's Stelrad, you know that each radiator is readily available and outstanding value for money.

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Elite

More choice, outstanding quality and performance, and great value - no wonder the Elite is the UK's most popular radiator. Readily available, Stelrad Elite is the perfect solution when maximum heat output is needed from a steel panel radiator.



204 models

Heights: 300mm to 700mm

Lengths: 400mm to 3000mm

Outputs: 190 to 6033 watts, 650 to 20585 Btu/hr

4 types: P1, K1, P+ & K2

Compact

The Compact is a proven winner, that's why it's the UK's best selling compact radiator. The already comprehensive range of high performing models has now been augmented by the new K3 range. Ideal for low energy systems, it gives outstanding heat output from a smaller footprint.



200 models

Heights: 300mm to 700mm

Lengths: 400mm to 3000mm

Outputs: 190 to 5883 watts, 647 to 20073 Btu/hr

4 types: P1, K1, P+ & K2

Vertex vertical models available in 3 heights & 4 lengths

Compact Towel Rail available in 5 types



NEW

Compact K3

The new Compact K3. Ideal for low energy systems, it gives outstanding heat output from a smaller footprint.



K3 40 models

Heights: 400mm to 700mm

Lengths: 400mm to 2400mm

Outputs: 956 to 5734 watts, 3262 to 19564 Btu/hr

Softline

The Softline is the compact radiator with a beautifully curved top grille and end panels, giving you more design choice and flexibility.



102 models

Heights: 300mm to 700mm

Lengths: 400mm to 2000mm

Outputs: 255 to 3922 watts, 870 to 13382 Btu/hr

3 types: K1, P+ and K2

Compact with Style

Sublime architectural design gives the Compact with Style the look and feel of an expensive designer radiator. The price, range and availability means you can easily add a distinctive look to any room - domestic or commercial.



76 models

Heights: 200mm to 2200mm

Lengths: 300mm to 2000mm

Outputs: 235 to 3202 watts, 802 to 10925 Btu/hr

3 options: Standard, Lo-line and Vertical models

4 types: K1, P+, P2 & K2

Planar

Simple and understated, the Planar is the ultimate minimalist radiator. Completely flat, smooth finish, with integrated top grille and side panels, it has an exceptionally slim profile. Truly stylish and readily available to enhance any space.



74 models

Heights: 300mm to 600mm

Lengths: 400mm to 2000mm

Outputs: 235 to 3268 watts, 800 to 11150 Btu/hr

2 types: K1 & K2

Concord

From the Lo-Line starting at just 144mm high, to the Vertical at up to 2 metres and everything in between - the high efficiency Concord range is not only incredibly stylish but offers great flexibility with four radiator design options.



Choice of 4 different radiator options

- | | | |
|---|-------------------|---|
| 1 | Concord Plane: | 102 models, 3 heights,
widths from 500mm to 3000mm |
| 2 | Concord Lo-Line: | 16 models, 2 heights and 8 width options |
| 3 | Concord Vertical: | 6 models, 2 heights and 3 width options |
| 4 | Concord Slimline: | 8 models, 2 heights and 4 width options |

Outputs: 382 to 6278 watts, 1304 to 21419 Btu/hr

1



3



2



NEW

Caliente

The stunning tube on tube design consists of a tight array of slim tubes that not only look amazing, but also give the Caliente a high heat output. Available in horizontal and vertical models, this is a radiator that will elevate the style of any interior.



15 models

Heights: 594 to 1800

Lengths: 330 & 1400

Outputs: 485 to 2120 watts, 1655 to 7233 Btu/hr

Classic Column

This column is truly a classic, dramatically enhancing the appearance of contemporary or period interiors. The Classic Column is one of the ultimate style statements, beautifully finished and available in a wide range of sizes to suit almost any application.



Classic Column



60 models

Heights: 300mm to 2500mm

Lengths: 414mm to 1842mm

Outputs: 288 to 2972 watts, 983 to 10140 Btu/hr

Towel rails

Equally at home in a bathroom or kitchen, Stelrad Towel Rails offer effective heating and practical drying performance, and are available from stock in white or chrome.



26 models

Heights: 700 to 1800

Lengths: 400, 500 & 600

Outputs: 240 to 1022 watts, 820 to 3489 Btu/hr

Optia

Pietro Facheris' iconic design affectionately known as the 'boat' has excellent heat output, together with shelving to stack towels. It's available in three widths and finished in cool metallic grey.



3 models

Heights: 1800mm

Lengths: 160mm to 240mm

Outputs: 742 to 1114 watts, 2532 to 3802 Btu/hr



Esprit

The slim tubes of the Esprit give added elegance to this beautiful ultraslim radiator which is available in 16 model options.



16 models

Heights: 900mm to 1800mm

Lengths: 450mm & 550mm

Outputs: 316 to 1056 watts, 1078 to 3604 Btu/hr





Excel

Part screen, part radiator, this stunning design is equally at home in a domestic or commercial setting. Can be floor or wall mounted and is available in six models.



6 models

Heights: 1800 & 2000

Lengths: 380 & 500

Outputs: 727 to 1048 watts, 2481 to 3577 Btu/hr

Arc & Wave

Precision curved, fine tubes define the elegant lines of the Arc and Wave, making the space they are in much more special.



6 models

Heights: 1800

Lengths: 380, 440 & 620

Outputs: 882 to 1438 watts, 3010 to 4908 Btu/hr





Ellipse

C-shaped tubes and vertical lines, with a choice of inward or outward facing columns, make the Ellipse a distinctive feature in any room. The large capacity tubes give exceptional heating performance, and the Ellipse is available in a wide range of colours.



10 models

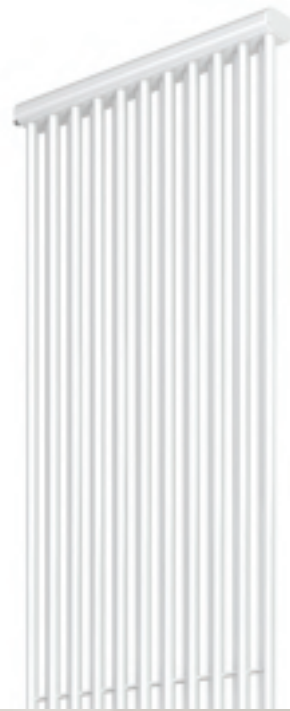
Heights: 1800 & 2000

Lengths: 459, 689 & 765

Outputs: 858 to 1590 watts, 2928 to 5426 Btu/hr

Vistaline

Tightly arranged slim tubes give this stunning vertical radiator a heating performance that belies its elegance. It is available with a single or staggered double row of tubes for maximum heat output flexibility, and is available in a wide range of colours.



11 models

Heights: 1800 & 2000

Lengths: 320 to 740

Outputs: 742 to 1886 watts, 2542 to 6437 Btu/hr



LST Standard

Stelrad's range of low surface temperature radiators is the most comprehensive in the UK and has been designed to simplify product selection, with sizes and models to suit all applications. Installation has been made as easy as possible and all the components

required are included in one robust pack. They meet NHS Guidance for 'Safe hot water and surface temperature' and come with anti-bacterial paint as standard - making them the No.1 choice for safety critical environments.



Standard 72 models

Heights: 500mm to 750mm

Lengths: 650mm to 2050mm

Outputs: 196 to 2767 watts, 668 to 9442 Btu/hr

NEW

LST Plus & Vertical



Vertical Plus 3 models

Height: 2110mm

Lengths: 560mm to 760mm

Outputs: 1335 to 1862 watts, 4555 to 6353 Btu/hr



Plus 72 models

Heights: 500 to 800mm

Lengths: 560mm to 1960mm

Outputs: 203 to 2511 watts, 692 to 8566 Btu/hr





Technical information

Elite

Extra performance to guaranteed Standards

The UK's most popular radiator has received substantial investment to provide increased quality and performance. Which means that the Stelrad Elite now offers improved outputs for exceptional heating performance.

Strictly controlled independent laboratory testing ensures that all Stelrad Elite radiators are guaranteed to perform to a maximum working pressure of 116 psi (8 bar) and conform to BS EN 442 – the European Standard for radiators.

More choice for application flexibility

As a measure of the all round dependable quality and performance, Stelrad Elite comes complete with a 10 year Manufacturer's Warranty.

A range of 204 models provides extra sizing flexibility to cover a multitude of application requirements.

Four heights, with increments from as little as 100mm. From one of the smallest stock radiators on the market at just 400mm long to a full 3000mm, all length radiators are catered for. Elite also offers one of the slimmest double panel radiators at just 77mm wide.

Superb quality from design to installation

Flexibility of installation doesn't just mean greater choice of sizing either. There are specifically designed accessories, such as floor standing brackets, to ensure that Stelrad Elite can be fitted anywhere.

The Elite is manufactured in the UK from the most sophisticated production resources in Europe, under the ISO 9000 quality system.

Symmetrical convectors allow radiator mounting either way up. TBOE connection is offered as an important facility in commercial applications and to ensure greater efficiency and economy, the convectors are precision welded directly onto the waterways.

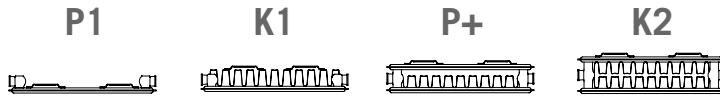
All tappings are perfectly aligned, with best quality nickel-plated plugs and vents, incorporating high quality EPDM 'O' rings. High definition pressings ensure smooth edges and corners and the perfect, run free, two-coat paint finish blends with all styles of décor.

All wrapped up in newly designed, robust but practical packaging to provide a product of distinction with nationwide availability.



Stelrad Elite

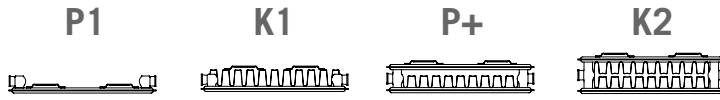
50 Δt



Height	Length mm	Sections	Heat output P1		Heat output K1		Heat output P+		Heat output K2	
			Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr
300	500	15	-	-	259	884	388	1324	506	1726
	1000	30	-	-	517	1764	776	2648	1012	3453
	1500	45	-	-	776	2648	1164	3972	1518	5179
	2000	60	-	-	1034	3528	1552	5295	2024	6906
	2500	75	-	-	1293	4412	1940	6621	2530	8632
	3000	90	-	-	1551	5292	2328	7945	3036	10359
	400	12	190	648	307	1047	442	1508	564	1924
	500	15	238	812	384	1310	553	1887	705	2405
	600	18	286	976	461	1573	664	2266	845	2883
	700	21	333	1136	538	1836	774	2641	986	3364
450	800	24	381	1300	614	2095	885	3020	1127	3845
	900	27	428	1460	691	2358	995	3395	1268	4326
	1000	30	476	1624	768	2620	1106	3774	1409	4808
	1100	33	-	-	845	2883	1217	4152	1550	5289
	1200	36	571	1948	922	3146	1327	4528	1691	5770
	1400	42	666	2272	1075	3668	1548	5282	1973	6732
	1600	48	762	2600	1229	4193	1770	6039	2254	7691
	1800	54	-	-	1382	4715	1991	6793	2536	8653
	2000	60	952	3248	1536	5241	2212	7547	2818	9615
	2200	66	-	-	1690	5766	2433	8301	3100	10577
	2400	72	1142	3897	1843	6288	2654	9055	3382	11539
	2600	78	-	-	1997	6814	2876	9813	3663	12498
	2800	84	-	-	2150	7336	3097	10567	3945	13460
	3000	90	-	-	2304	7861	3318	11321	4227	14423
	400	12	244	833	400	1365	564	1924	711	2426
	500	15	305	1041	500	1706	705	2405	889	3033
	600	18	366	1249	600	2047	845	2883	1067	3641
	700	21	427	1457	700	2388	986	3364	1245	4248
800	24	488	1665	800	2730	1127	3845	1422	4852	
900	27	549	1873	900	3071	1268	4326	1600	5459	
1000	30	610	2081	1000	3412	1409	4808	1778	6067	
1100	33	-	-	1100	3753	1550	5289	1956	6674	
1200	36	732	2498	1200	4094	1691	5770	2134	7281	
1400	42	854	2914	1400	4777	1973	6732	2489	8492	
1600	48	976	3330	1600	5459	2254	7691	2845	9707	
1800	54	-	-	1800	6142	2536	8653	3200	10918	
2000	60	1220	4163	2000	6824	2818	9615	3556	12133	
2200	66	-	-	2200	7509	3100	10577	3912	13348	
2400	72	1464	4995	2400	8189	3382	11539	4267	14559	
2600	78	-	-	2600	8871	3663	12498	4623	15774	
2800	84	-	-	2800	9554	3945	13460	4978	16985	
3000	90	-	-	3000	10239	4227	14423	5334	18200	
400	12	-	-	457	1559	639	2180	804	2743	
500	15	-	-	571	1948	799	2726	1006	3432	
600	18	-	-	685	2337	958	3269	1207	4118	
700	21	-	-	799	2726	1118	3815	1408	4804	
800	24	-	-	914	3119	1278	4361	1609	5490	
900	27	-	-	1028	3508	1437	4903	1810	6176	
1000	30	-	-	1142	3897	1597	5449	2011	6862	
1100	33	-	-	1256	4285	1757	5995	2212	7547	
1200	36	-	-	1370	4674	1916	6537	2413	8233	
1400	42	-	-	1599	5456	2236	7629	2815	9605	
1600	48	-	-	1827	6234	2555	8718	3218	10980	
1800	54	-	-	2056	7015	2875	9810	3620	12351	
2000	60	-	-	2284	7793	3194	10898	4022	13727	
2200	66	-	-	2512	8571	3513	11986	4424	15099	
2400	72	-	-	2741	9352	3833	13078	4826	16471	
2600	78	-	-	2969	10130	4152	14167	5229	17847	
2800	84	-	-	3198	10912	4472	15258	5631	19219	
3000	90	-	-	3426	11690	4791	16347	6033	20591	

Stelrad Elite

40_{Δt}



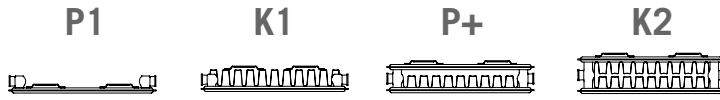
Height	Length mm	Sections	Heat output P1		Heat output K1		Heat output P+		Heat output K2	
			Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr
300	500	15	-	-	194	661	290	990	378	1291
	1000	30	-	-	387	1319	580	1980	757	2583
	1500	45	-	-	580	1980	871	2971	1135	3874
	2000	60	-	-	773	2639	1161	3961	1514	5166
	2500	75	-	-	967	3300	1451	4951	1892	6457
	3000	90	-	-	1160	3958	1741	5941	2271	7748
	400	12	142	485	230	784	331	1128	422	1439
	500	15	178	607	287	980	414	1411	527	1799
	600	18	214	730	345	1177	497	1695	632	2157
	700	21	249	850	402	1373	579	1975	738	2516
450	800	24	285	972	459	1567	662	2259	843	2876
	900	27	320	1092	517	1764	744	2539	948	3236
	1000	30	356	1215	574	1960	827	2823	1054	3596
	1100	33	-	-	632	2157	910	3106	1159	3956
	1200	36	427	1457	690	2353	993	3387	1265	4316
	1400	42	498	1700	804	2744	1158	3951	1476	5035
	1600	48	570	1945	919	3137	1324	4517	1686	5753
	1800	54	-	-	1034	3527	1489	5081	1897	6472
	2000	60	712	2430	1149	3920	1655	5645	2108	7192
	2200	66	-	-	1264	4313	1820	6209	2319	7912
	2400	72	854	2915	1379	4704	1985	6773	2530	8631
	2600	78	-	-	1494	5097	2151	7340	2740	9349
	2800	84	-	-	1608	5487	2317	7904	2951	10068
	3000	90	-	-	1723	5880	2482	8468	3162	10788
	400	12	183	623	299	1021	422	1439	532	1815
	500	15	228	778	374	1276	527	1799	665	2269
	600	18	274	934	449	1531	632	2157	798	2723
	700	21	319	1090	524	1787	738	2516	931	3177
800	24	365	1245	598	2042	843	2876	1064	3629	
900	27	411	1401	673	2297	948	3236	1197	4083	
1000	30	456	1557	748	2552	1054	3596	1330	4538	
1100	33	-	-	823	2807	1159	3956	1463	4992	
1200	36	548	1868	898	3063	1265	4316	1596	5446	
1400	42	639	2180	1047	3573	1476	5035	1862	6352	
1600	48	730	2491	1197	4083	1686	5753	2128	7261	
1800	54	-	-	1346	4594	1897	6472	2394	8167	
2000	60	913	3114	1496	5104	2108	7192	2660	9076	
2200	66	-	-	1646	5615	2319	7912	2926	9984	
2400	72	1095	3736	1795	6125	2530	8631	3192	10890	
2600	78	-	-	1945	6636	2740	9349	3458	11799	
2800	84	-	-	2094	7146	2951	10068	3724	12705	
3000	90	-	-	2244	7657	3162	10788	3990	13613	
400	12	-	-	342	1166	478	1631	601	2052	
500	15	-	-	427	1457	598	2039	752	2567	
600	18	-	-	512	1748	717	2445	903	3080	
700	21	-	-	598	2039	836	2853	1053	3593	
800	24	-	-	684	2333	956	3262	1204	4106	
900	27	-	-	769	2624	1075	3667	1354	4619	
1000	30	-	-	854	2915	1195	4076	1504	5132	
1100	33	-	-	939	3206	1314	4484	1655	5645	
1200	36	-	-	1025	3496	1433	4890	1805	6158	
1400	42	-	-	1196	4081	1673	5707	2106	7184	
1600	48	-	-	1367	4663	1911	6521	2407	8213	
1800	54	-	-	1538	5247	2151	7338	2708	9239	
2000	60	-	-	1708	5829	2389	8152	3008	10265	
2200	66	-	-	1879	6411	2628	8966	3309	11291	
2400	72	-	-	2050	6996	2867	9782	3610	12317	
2600	78	-	-	2221	7577	3106	10597	3911	13345	
2800	84	-	-	2392	8162	3345	11413	4212	14371	
3000	90	-	-	2563	8744	3584	12227	4513	15397	

600

700

Stelrad Elite

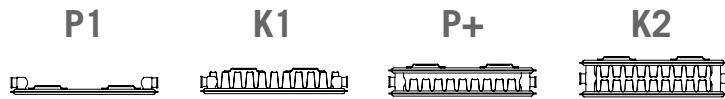
30_{Δt}



Height	Length mm	Sections	Heat output P1		Heat output K1		Heat output P+		Heat output K2	
			Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr
300	500	15	-	-	133	455	200	682	261	889
	1000	30	-	-	266	908	400	1364	521	1778
	1500	45	-	-	400	1364	599	2045	782	2667
	2000	60	-	-	533	1817	799	2727	1042	3557
	2500	75	-	-	666	2272	999	3409	1303	4446
	3000	90	-	-	799	2725	1199	4091	1564	5335
	400	12	98	334	158	539	228	777	290	991
	500	15	123	418	198	675	285	972	363	1239
	600	18	147	503	237	810	342	1167	435	1485
	700	21	171	585	277	945	399	1360	508	1733
450	800	24	196	669	316	1079	456	1555	580	1980
	900	27	220	752	356	1214	512	1748	653	2228
	1000	30	245	836	396	1350	570	1943	726	2476
	1100	33	-	-	435	1485	627	2138	798	2724
	1200	36	294	1003	475	1620	683	2332	871	2971
	1400	42	343	1170	554	1889	797	2720	1016	3467
	1600	48	392	1339	633	2160	912	3110	1161	3961
	1800	54	-	-	712	2428	1025	3499	1306	4456
	2000	60	490	1673	791	2699	1139	3887	1451	4952
	2200	66	-	-	870	2970	1253	4275	1597	5447
	2400	72	588	2007	949	3238	1367	4664	1742	5943
	2600	78	-	-	1028	3509	1481	5054	1886	6437
	2800	84	-	-	1107	3778	1595	5442	2032	6932
	3000	90	-	-	1187	4049	1709	5830	2177	7428
	400	12	126	429	206	703	290	991	366	1249
	500	15	157	536	258	879	363	1239	458	1562
	600	18	188	643	309	1054	435	1485	550	1875
	700	21	220	750	361	1230	508	1733	641	2188
800	24	251	858	412	1406	580	1980	732	2499	
900	27	283	965	464	1581	653	2228	824	2811	
1000	30	314	1072	515	1757	726	2476	916	3124	
1100	33	-	-	567	1933	798	2724	1007	3437	
1200	36	377	1286	618	2109	871	2971	1099	3750	
1400	42	440	1501	721	2460	1016	3467	1282	4374	
1600	48	503	1715	824	2811	1161	3961	1465	4999	
1800	54	-	-	927	3163	1306	4456	1648	5623	
2000	60	628	2144	1030	3514	1451	4952	1831	6249	
2200	66	-	-	1133	3866	1597	5447	2015	6874	
2400	72	754	2573	1236	4217	1742	5943	2198	7498	
2600	78	-	-	1339	4569	1886	6437	2381	8123	
2800	84	-	-	1442	4920	2032	6932	2564	8747	
3000	90	-	-	1545	5272	2177	7428	2747	9373	
400	12	-	-	235	803	329	1123	414	1413	
500	15	-	-	294	1003	411	1404	518	1768	
600	18	-	-	353	1204	493	1683	622	2121	
700	21	-	-	411	1404	576	1965	725	2474	
800	24	-	-	471	1606	658	2246	829	2827	
900	27	-	-	529	1806	740	2525	932	3180	
1000	30	-	-	588	2007	822	2806	1036	3534	
1100	33	-	-	647	2207	905	3087	1139	3887	
1200	36	-	-	706	2407	987	3367	1243	4240	
1400	42	-	-	823	2810	1152	3929	1450	4946	
1600	48	-	-	941	3210	1316	4490	1657	5655	
1800	54	-	-	1059	3613	1481	5052	1864	6361	
2000	60	-	-	1176	4013	1645	5612	2071	7067	
2200	66	-	-	1294	4414	1809	6173	2278	7774	
2400	72	-	-	1412	4816	1974	6735	2485	8480	
2600	78	-	-	1529	5217	2138	7296	2693	9188	
2800	84	-	-	1647	5619	2303	7858	2900	9895	
3000	90	-	-	1764	6020	2467	8419	3107	10601	

Stelrad Elite

Weights & Measures



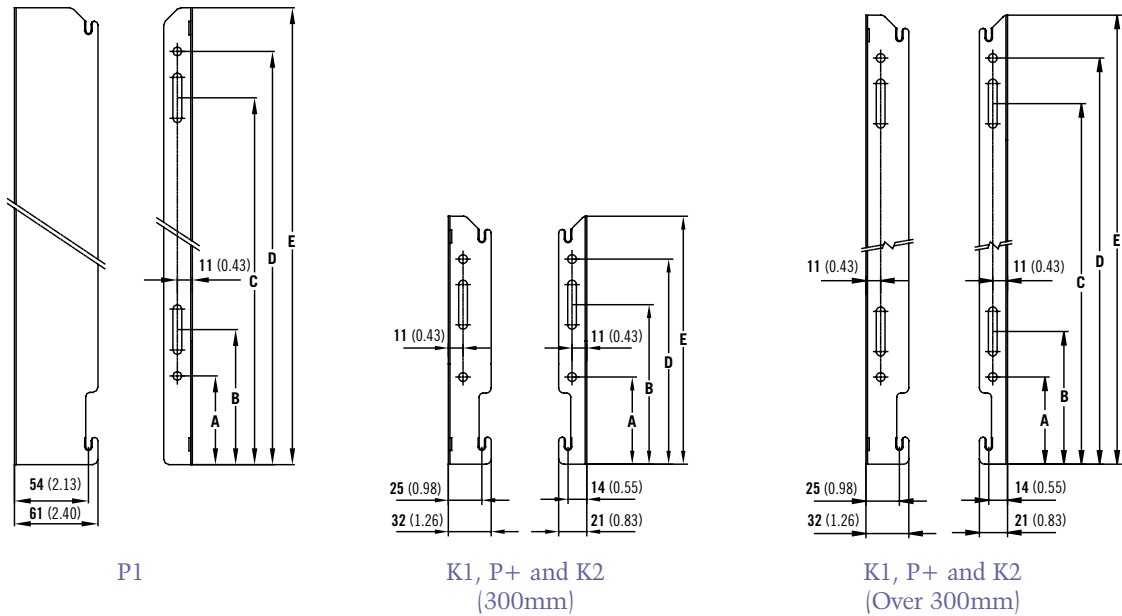
Height	Length		P1		K1		P+		K2	
	mm	in	Wall to tap centre mm	Wall to tap centre mm	Wall to tap centre mm	Wall to tap centre mm	Wall to tap centre mm	Wall to tap centre mm	Wall to tap centre mm	Wall to tap centre mm
300	500	19.7	-	51	62	73				
	1000	39.4	-	51	62	73				
	1500	59.1	-	51	62	73				
	2000	78.7	-	51	62	73				
	2500	98.4	-	51	62	73				
	3000	118.1	-	51	62	73				
450	400	15.7	46	51	62	73				
	500	19.7	46	51	62	73				
	600	23.6	46	51	62	73				
	700	27.6	46	51	62	73				
	800	31.5	46	51	62	73				
	900	35.4	46	51	62	73				
	1000	39.4	46	51	62	73				
	1100	43.3	-	51	62	73				
	1200	47.2	46	51	62	73				
	1400	55.1	46	51	62	73				
	1600	63.0	46	51	62	73				
	1800	70.9	-	51	62	73				
	2000	78.7	46	51	62	73				
	2200	86.6	-	51	62	73				
	2400	94.5	46	51	62	73				
	2600	102.4	-	51	62	73				
	2800	110.2	-	51	62	73				
	3000	118.1	-	51	62	73				
600	400	15.7	46	51	62	73				
	500	19.7	46	51	62	73				
	600	23.6	46	51	62	73				
	700	27.6	46	51	62	73				
	800	31.5	46	51	62	73				
	900	35.4	46	51	62	73				
	1000	39.4	46	51	62	73				
	1100	43.3	-	51	62	73				
	1200	47.2	46	51	62	73				
	1400	55.1	46	51	62	73				
	1600	63.0	46	51	62	73				
	1800	70.9	-	51	62	73				
	2000	78.7	46	51	62	73				
	2200	86.6	-	51	62	73				
	2400	94.5	46	51	62	73				
	2600	102.4	-	51	62	73				
	2800	110.2	-	51	62	73				
	3000	118.1	-	51	62	73				
700	400	15.7	-	51	62	73				
	500	19.7	-	51	62	73				
	600	23.6	-	51	62	73				
	700	27.6	-	51	62	73				
	800	31.5	-	51	62	73				
	900	35.4	-	51	62	73				
	1000	39.4	-	51	62	73				
	1100	43.3	-	51	62	73				
	1200	47.2	-	51	62	73				
	1400	55.1	-	51	62	73				
	1600	63.0	-	51	62	73				
	1800	70.9	-	51	62	73				
	2000	78.7	-	51	62	73				
	2200	86.6	-	51	62	73				
	2400	94.5	-	51	62	73				
	2600	102.4	-	51	62	73				
	2800	110.2	-	51	62	73				
	3000	118.1	-	51	62	73				

EN 442 Certification Data – CETIAT tested in accordance with BS EN 442

Type	P1			K1			P+				K2			
	450	600	300	450	600	700	300	450	600	700	300	450	600	700
W/m at 75/65/20	476	610	517	768	1000	1142	776	1106	1409	1597	1012	1409	1778	2011
n-coefficients	1.30	1.31	1.31	1.30	1.29	1.29	1.33	1.33	1.33	1.34	1.33	1.33	1.23	1.34
Heated Surface Area (m ² /m)	1.03	1.37	2.09	3.37	4.66	5.51	2.44	3.84	5.24	6.18	3.51	5.62	7.74	9.15
Weight (kg/m)	9.25	12.33	8.38	13.34	18.30	21.33	13.71	21.31	28.90	33.50	15.90	24.80	33.70	39.13
Water Contents (l/m)	2.57	3.25	1.89	2.57	3.25	3.77	3.70	5.15	6.60	7.63	3.70	5.15	6.60	7.63

Elite mounting brackets

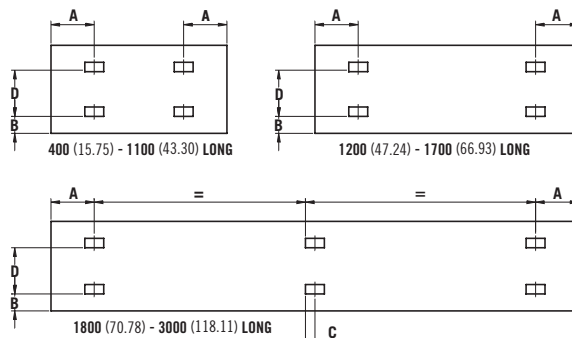
All dimensions in mm. Inches in brackets.



Dimensions	mm	in	mm	in	mm	in	mm	in
	300	11.81	450	17.72	600	23.62	700	27.56
A	65	2.56	65	2.56	65	2.56	65	2.56
B	119	4.69	99	3.90	99	3.90	99	3.90
C	-	-	269	10.59	419	16.50	519	20.43
D	153	6.02	303	11.93	453	17.83	553	21.77
E	185	7.28	335	13.19	485	19.09	585	23.03

K1, P+, K2 and P1 lug positions

All dimensions in mm. Inches in brackets.

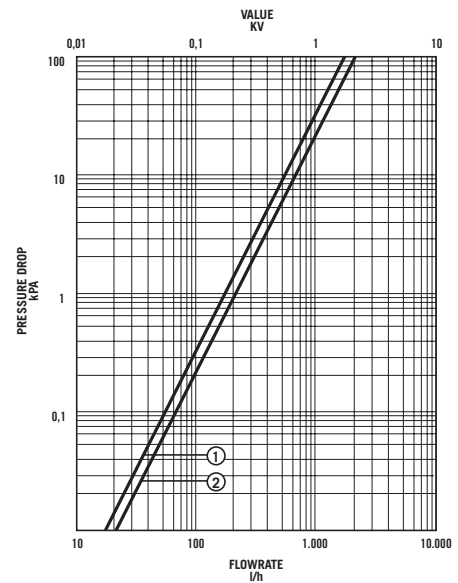


Dimensions		mm	in
A		133	5.24
B		60	2.36

Panel Height		D	
mm	in	mm	in
300	11.81	155	6.10
450	17.72	305	12.01
600	23.62	455	17.91
700	27.56	555	21.95

Dimensions		mm	in
A	400mm	117	4.61
A	500 - 3000mm	150	5.91
B	400 - 3000mm	60	2.36
C	1800 - 3000mm	17	0.67

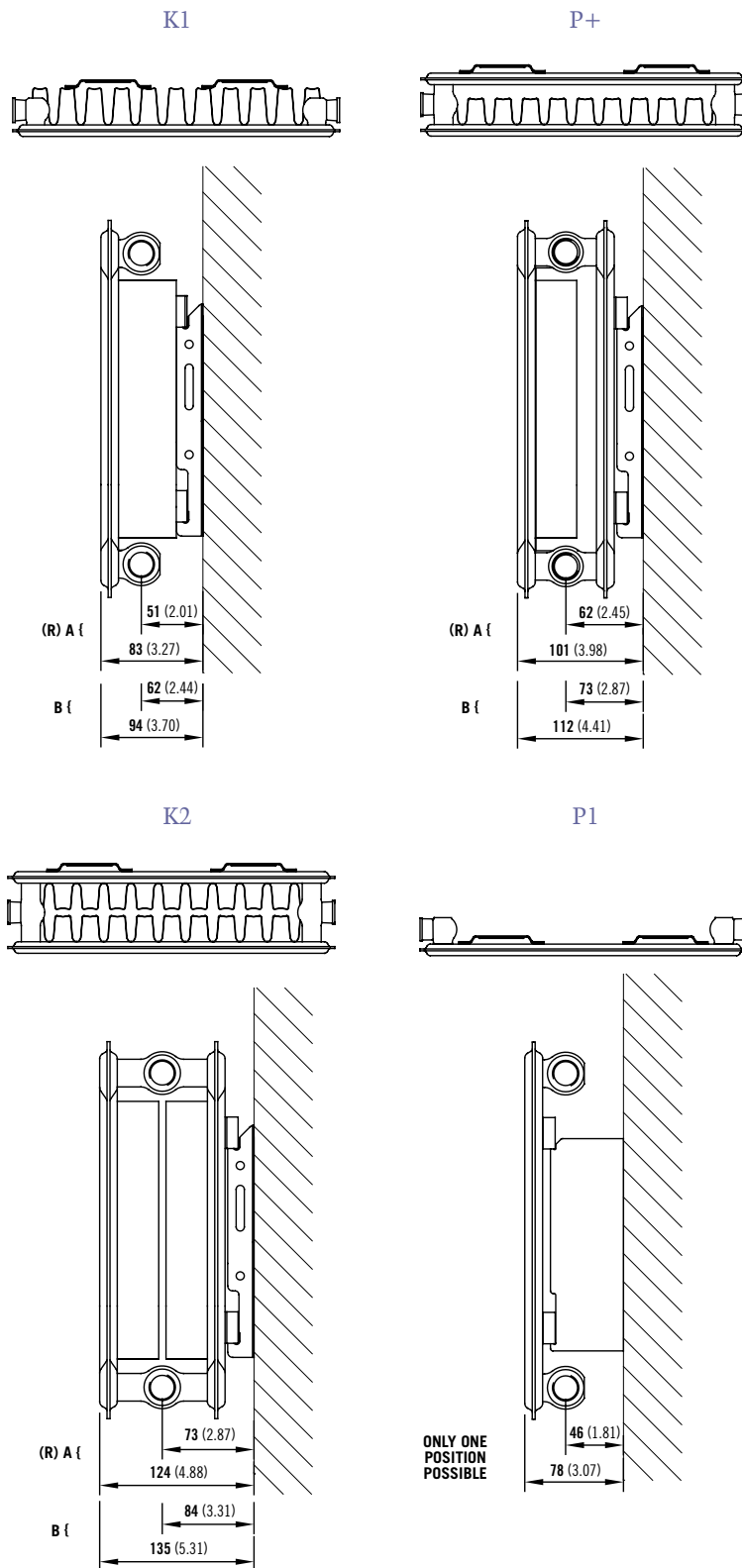
Pressure drops



- ① Type 10 (P1), 11 (K1)
- ② Type 21 (P+), 22 (K2)

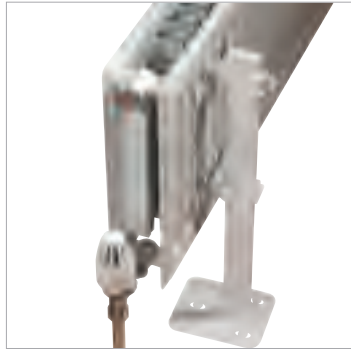
Elite wall mounting information

All dimensions in mm. Inches in brackets.



Elite bracket position

A = Closest to Wall B = Furthest from Wall (R) = Recommended Mounting Position



Floor standing brackets provide a practical solution for standard and towel rail models, where situations, (tiled walls for example), create installation difficulties.



Robust, but practical packaging protects the radiator during storage, transit and installation, complete with fittings and colour coded labels for easy identification.



All fixing requirements are complete within the packaging.



Continental and anti-lift brackets are available for a secure fixing in commercial applications.



Optional extension pieces for easy replacement.



Optional 3/4 inch valve adaptor for connection without performance reduction.



The Stelrad STARS Heatloss Calculator contains an inbuilt U value calculator.

Save time and effort by using the Stelrad STARS program – the perfect solution for accurate sizing and design flexibility.

Elite temperature table

TEMPERATURES

Factors for differences between mean water temperature and room temperature in °C and °F other than 50°C (90°F)

°C		°F	
5	0.050	10	0.057
10	0.123	20	0.142
15	0.209	30	0.240
20	0.304	40	0.348
25	0.406	50	0.466
30	0.515	60	0.590
35	0.629	70	0.721
40	0.748	80	0.858
45	0.872	90	1.000
50	1.000	100	1.147
55	1.132	110	1.298
60	1.267	120	1.454
65	1.406	130	1.613
70	1.549	140	1.776
75	1.694	-	-

To apply the factors shown in the table above to our quoted outputs, multiply the quoted output by the chosen operating factor to give new output.

To apply the factor to required output, divide required output by factor to give correct radiator from the Stelrad Elite range.

Testing and operating pressures

All models are high pressure tested to withstand 152.3 psi (10.5 bar), to perform at a maximum working pressure of 116 psi (8 bar) at a maximum temperature of 95°C.

Connections

Each Stelrad Elite radiator has 4 x 1/2 inch connections as standard. There is also a 3/4 inch valve adaptor available, which provides a 3/4 inch connector option to the valve without reducing performance.

Applications

Elite radiators are suitable for two pipe installations. For single pipe applications, it is advisable to use diversion tees in the pipework, as this will assist in obtaining design performance from the radiators.

Although the Stelrad Elite is suitable for Microbore pipework, the back tappings make it unsuitable for twin entry valves.

Installation

Everything required for installation can be found within the robust packaging.

Brackets are of a strong design, with open top and deep slots, which facilitate easy and secure installation. Plastic inserts seat the radiator precisely on the bracket minimising expansion and contraction noise.

The neat nickel-plated plug and vent provide a watertight joint, whilst complementing the superior finish.

To facilitate easy one off replacement, nickel-plated brass extension pieces are also available, complete with sealing washer, in 20mm, 30mm and 40mm options.

Recommended height from the floor to the base of the radiator is 150 mm minimum. This allows adequate airflow when the radiator is placed on the bracket.

Caution

When designing for domestic systems we recommend that the Stelrad Elite be used only in heating systems complying with British Standard Code of Practice for Central Heating for Domestic Premises BS EN 2828:2003 and BS EN 12831:2003.

Single feed, indirect cylinders are not recommended as should interchange of water occur, fresh aerated water would enter the heating system, resulting in corrosion.

Water treatment

On completion of the installation, the system should be properly flushed and filled in accordance with the British Standard Code of Practice for the Treatment of Water in Domestic Hot Water Central Heating Systems BS 7593:2006.

This will remove flux residues and installation debris, which might promote corrosion and damage within the system.

If it is decided to apply a high performance corrosion inhibitor to maximise the working life of the system, it should be applied in accordance with the manufacturer's instructions and should be suitable for the particular metals within the system.

A comprehensive range of quality chemicals including inhibitors, cleaners, leak sealers and noise reducers that protect and maintain central heating systems can be obtained from:

Sentinel Performance Solutions Ltd
The Heath Business & Technical Park, Runcorn,
Cheshire WA7 4QX

Tel: 01928 588 330 (UK)

Fernox - Cookson Electronics,
Forsyth Road, Sheerwater, Woking,
Surrey GU21 5RZ

Tel: 01483 793200

Two coat paint process

Each Stelrad Elite radiator is subjected to a multi stage cleaning process before the paint is applied.

This involves several rinsing stages, including an iron phosphate and demineralisation rinse.

The first coat of paint is applied by electrophoresis and the radiator is then stoved and cooled. The second powder coat is applied and the radiator goes through a final curing stage. It is then allowed to cool prior to packaging.

Compact

Extra performance to guaranteed Standards

The Stelrad Compact range, including the new K3 three panel, three convector option, comes complete with all the features expected from a market leader and more. Combining the most sophisticated production resources in Europe, with substantial investment directed towards testing and verification of performance data has resulted in the creation of a high output Compact radiator for heating performance that exceeds expectation.

Strictly controlled independent laboratory testing ensures that all Stelrad Compact radiators are guaranteed to perform to a maximum working pressure of 116 psi (8 bar) and conform to BS EN 442 - the European Standard for radiators.

More choice for application flexibility

As a measure of the all round dependable quality and performance, the Stelrad Compact comes complete with a 10 year Manufacturer's Warranty.

A range of 240 models provides extra sizing flexibility and covers a multitude of application requirements.

Included in the range is the Stelrad Compact Towel Rail, perfect for use in bathrooms and cloakrooms which, like the standard Compact radiator, can be fitted to floor standing brackets in situations where there are installation difficulties.

For applications where wall space is at a premium, the Compact Vertex radiator is the answer. With height rather than width to provide the equivalent, outstanding heating performance as the standard model, this stylish radiator provides an innovative option.

Seven heights, ranging from 300mm to 2200mm, and lengths from as little as 400mm right up to 3000mm, the Stelrad Compact range can provide a size and style to fit the most challenging of application requirements.

Superb quality from design to installation

The elegant, integrated top grille and side panels have been specifically designed to eradicate any movement, providing a tight, professional fit, that will remain in place, even after storage, transit and installation.

As you would expect from a radiator with the Stelrad pedigree, the convectors are precision welded directly onto the waterways for greater efficiency and economy, with flexible connection options for the highest of commercial and domestic application specifications.

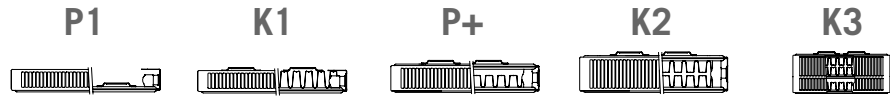
The Stelrad Compact range is manufactured under ISO 9000 quality systems in the UK and every radiator comes wrapped in robust, practical packaging that will keep the product pristine, right through to installation. Protective through storage and transit, the new packaging design also allows installation prior to removal.

With availability nationwide, the Stelrad Compact range is the perfect solution for all Compact radiator applications.



Stelrad Compact

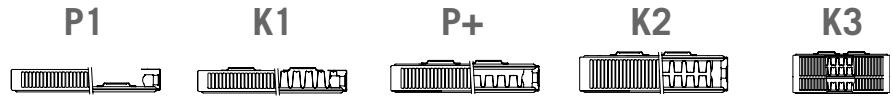
50_{Δt}



Height	Length mm	Sections	Heat output P1		Heat output K1		Heat output P+		Heat output K2		Heat output K3	
			Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr
300	500	15	-	-	255	870	373	1273	491	1675	-	-
	1000	30	-	-	509	1737	745	2542	982	3351	1349	4603
	1500	45	-	-	764	2607	1118	3815	1473	5026	-	-
	2000	60	-	-	1018	3473	1490	5084	1964	6701	2698	9206
	2500	75	-	-	1273	4343	1863	6357	2455	8376	-	-
	3000	90	-	-	1527	5210	2235	7626	2946	10052	-	-
450	400	12	190	648	302	1030	422	1440	548	1870	-	-
	500	15	237	809	378	1290	528	1802	686	2341	-	-
	600	18	284	969	454	1549	633	2160	823	2808	-	-
	700	21	332	1133	529	1805	739	2521	960	3276	-	-
	800	24	379	1293	605	2064	844	2880	1097	3743	-	-
	900	27	427	1457	680	2320	950	3241	1234	4210	-	-
	1000	30	474	1617	756	2579	1055	3600	1371	4678	-	-
	1100	33	-	-	832	2839	1161	3961	1508	5145	-	-
	1200	36	569	1941	907	3095	1266	4320	1645	5613	-	-
	1400	42	664	2266	1058	3610	1477	5040	1919	6548	-	-
	1600	48	758	2586	1210	4129	1688	5759	2194	7486	-	-
	1800	54	-	-	1361	4644	1899	6479	2468	8421	-	-
	2000	60	-	-	1512	5159	2110	7199	2742	9356	-	-
	2200	66	-	-	1663	5674	2321	7919	3016	10291	-	-
	2400	72	-	-	1814	6189	2532	8639	3290	11225	-	-
	2600	78	-	-	1966	6708	2743	9359	3565	12164	-	-
	2800	84	-	-	2117	7223	2954	10079	3839	13099	-	-
	3000	90	-	-	2268	7738	3165	10799	4113	14034	-	-
500	600	18	-	-	-	-	-	-	-	1234	4210	
	700	21	-	-	-	-	-	-	-	1439	4910	
	800	24	-	-	-	-	-	-	-	1645	5613	
	900	27	-	-	-	-	-	-	-	1850	6312	
	1000	30	-	-	-	-	-	-	-	2056	7015	
	1100	33	-	-	-	-	-	-	-	2262	7718	
	1200	36	-	-	-	-	-	-	-	2467	8417	
	1400	42	-	-	-	-	-	-	-	2878	9820	
	1600	48	-	-	-	-	-	-	-	3290	11225	
	1800	54	-	-	-	-	-	-	-	3701	12628	
	2000	60	-	-	-	-	-	-	-	4112	14030	
	2400	72	-	-	-	-	-	-	-	4934	16835	
600	400	12	248	846	392	1338	538	1836	693	2365	956	3262
	500	15	310	1058	490	1672	673	2296	866	2955	1195	4077
	600	18	371	1266	588	2006	807	2753	1039	3545	1433	4889
	700	21	433	1477	686	2341	942	3214	1212	4135	1672	5705
	800	24	495	1689	784	2675	1076	3671	1386	4729	1911	6520
	900	27	557	1900	882	3009	1211	4132	1559	5319	2150	7336
	1000	30	619	2112	980	3344	1345	4589	1732	5910	2389	8151
	1100	33	-	-	1078	3678	1480	5050	1905	6500	2628	8967
	1200	36	743	2535	1176	4013	1614	5507	2078	7090	2867	9782
	1400	42	867	2958	1372	4681	1883	6425	2425	8274	3345	11413
	1600	48	990	3378	1568	5350	2152	7343	2771	9455	3822	13041
	1800	54	-	-	1764	6019	2421	8260	3118	10639	4300	14672
	2000	60	-	-	1960	6688	2690	9178	3464	11819	4778	16303
	2200	66	-	-	2156	7356	2959	10096	3810	13000	-	-
	2400	72	-	-	2352	8025	3228	11014	4157	14184	5734	19564
	2600	78	-	-	2548	8694	3497	11932	4503	15364	-	-
	2800	84	-	-	2744	9363	3766	12850	4850	16548	-	-
	3000	90	-	-	2940	10031	4035	13767	5196	17729	-	-
700	400	12	-	-	447	1525	612	2088	784	2675	-	-
	500	15	-	-	559	1907	765	2610	981	3347	1356	4627
	600	18	-	-	670	2286	918	3132	1177	4016	1627	5551
	700	21	-	-	782	2668	1071	3654	1373	4685	1898	6476
	800	24	-	-	894	3050	1224	4176	1569	5353	2170	7404
	900	27	-	-	1005	3429	1377	4698	1765	6022	2441	8329
	1000	30	-	-	1117	3811	1530	5220	1961	6691	2712	9253
	1100	33	-	-	1229	4193	1683	5742	2157	7360	2983	10178
	1200	36	-	-	1340	4572	1836	6264	2353	8028	3254	11103
	1400	42	-	-	1564	5336	2142	7309	2745	9366	3797	12955
	1600	48	-	-	1787	6097	2448	8353	3138	10707	4339	14805
	1800	54	-	-	2011	6862	2754	9397	3530	12044	4882	16657
	2000	60	-	-	2234	7622	3060	10441	3922	13382	5424	18507
	2200	66	-	-	2457	8383	3366	11485	4314	14719	-	-
	2400	72	-	-	2681	9148	3672	12529	4706	16057	-	-
	2600	78	-	-	2904	9908	3978	13573	5099	17398	-	-
	2800	84	-	-	3128	10673	4284	14617	5491	18735	-	-
	3000	90	-	-	3351	11434	4590	15661	5883	20073	-	-

Stelrad Compact

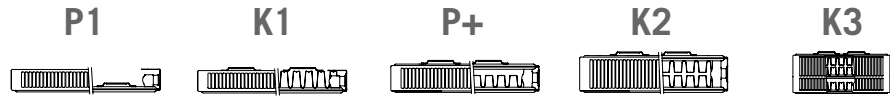
40_{Δt}



Height	Length mm	Sections	Heat output		Heat output		Heat output		Heat output		Heat output	
			Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr
300	500	15	-	-	191	651	279	952	367	1253	-	-
	1000	30	-	-	381	1299	557	1901	735	2506	1009	3443
	1500	45	-	-	571	1950	836	2853	1102	3759	-	-
	2000	60	-	-	761	2598	1115	3803	1469	5012	2018	6886
	2500	75	-	-	952	3249	1394	4755	1836	6266	-	-
	3000	90	-	-	1142	3897	1672	5704	2204	7519	-	-
450	400	12	142	485	226	771	316	1077	410	1399	-	-
	500	15	177	605	283	965	395	1348	513	1751	-	-
	600	18	212	725	340	1159	473	1616	616	2100	-	-
	700	21	248	847	396	1350	553	1886	718	2450	-	-
	800	24	283	967	453	1544	631	2154	821	2800	-	-
	900	27	319	1090	509	1735	711	2425	923	3149	-	-
	1000	30	355	1210	565	1929	789	2693	1026	3499	-	-
	1100	33	-	-	622	2123	868	2963	1128	3849	-	-
	1200	36	426	1452	678	2315	947	3231	1230	4198	-	-
	1400	42	497	1695	791	2700	1105	3770	1435	4898	-	-
	1600	48	567	1935	905	3088	1263	4308	1641	5599	-	-
	1800	54	-	-	1018	3474	1420	4847	1846	6299	-	-
	2000	60	-	-	1131	3859	1578	5385	2051	6998	-	-
	2200	66	-	-	1244	4244	1736	5924	2256	7697	-	-
	2400	72	-	-	1357	4630	1894	6462	2461	8397	-	-
	2600	78	-	-	1471	5018	2052	7001	2667	9099	-	-
	2800	84	-	-	1584	5403	2210	7539	2872	9798	-	-
	3000	90	-	-	1696	5788	2367	8078	3077	10497	-	-
500	600	18	-	-	-	-	-	-	-	-	923	3149
	700	21	-	-	-	-	-	-	-	-	1076	3673
	800	24	-	-	-	-	-	-	-	-	1230	4198
	900	27	-	-	-	-	-	-	-	-	1384	4722
	1000	30	-	-	-	-	-	-	-	-	1538	5247
	1100	33	-	-	-	-	-	-	-	-	1692	5773
	1200	36	-	-	-	-	-	-	-	-	1845	6296
	1400	42	-	-	-	-	-	-	-	-	2153	7345
	1600	48	-	-	-	-	-	-	-	-	2461	8397
	1800	54	-	-	-	-	-	-	-	-	2768	9446
	2000	60	-	-	-	-	-	-	-	-	3076	10495
	2400	72	-	-	-	-	-	-	-	-	3691	12592
600	400	12	186	633	293	1000	402	1373	518	1769	715	2440
	500	15	232	791	367	1251	503	1718	648	2210	894	3050
	600	18	278	947	440	1501	604	2060	777	2652	1072	3657
	700	21	324	1105	513	1751	705	2404	907	3093	1251	4267
	800	24	370	1263	586	2001	805	2746	1037	3537	1429	4877
	900	27	417	1422	660	2251	906	3091	1166	3979	1608	5487
	1000	30	463	1580	733	2501	1006	3433	1296	4420	1787	6097
	1100	33	-	-	806	2751	1107	3777	1425	4862	1966	6707
	1200	36	556	1896	880	3001	1207	4119	1554	5303	2145	7317
	1400	42	649	2213	1026	3502	1408	4806	1814	6189	2502	8537
	1600	48	741	2527	1173	4002	1610	5492	2073	7072	2859	9754
	1800	54	-	-	1319	4502	1811	6179	2332	7958	3216	10974
	2000	60	-	-	1466	5002	2012	6865	2591	8841	3574	12194
	2200	66	-	-	1613	5502	2213	7552	2850	9724	-	-
	2400	72	-	-	1759	6003	2415	8238	3109	10609	4289	14634
	2600	78	-	-	1906	6503	2616	8925	3368	11492	-	-
	2800	84	-	-	2053	7003	2817	9611	3628	12378	-	-
	3000	90	-	-	2199	7503	3018	10298	3887	13261	-	-
700	400	12	-	-	334	1141	458	1562	586	2001	-	-
	500	15	-	-	418	1427	572	1952	734	2504	1014	3461
	600	18	-	-	501	1710	687	2343	880	3004	1217	4152
	700	21	-	-	585	1996	801	2733	1027	3504	1420	4844
	800	24	-	-	669	2282	916	3124	1174	4004	1623	5538
	900	27	-	-	752	2565	1030	3514	1320	4505	1826	6230
	1000	30	-	-	836	2851	1144	3905	1467	5005	2029	6922
	1100	33	-	-	919	3137	1259	4295	1613	5505	2231	7613
	1200	36	-	-	1002	3420	1373	4686	1760	6005	2434	8305
	1400	42	-	-	1170	3992	1602	5467	2053	7006	2840	9691
	1600	48	-	-	1337	4561	1831	6248	2347	8009	3246	11074
	1800	54	-	-	1504	5132	2060	7029	2640	9009	3652	12460
	2000	60	-	-	1671	5702	2289	7810	2934	10010	4057	13843
	2200	66	-	-	1838	6271	2518	8591	3227	11010	-	-
	2400	72	-	-	2005	6842	2747	9372	3520	12011	-	-
	2600	78	-	-	2172	7412	2976	10153	3814	13014	-	-
	2800	84	-	-	2340	7983	3204	10934	4107	14014	-	-
	3000	90	-	-	2507	8552	3433	11714	4400	15014	-	-

Stelrad Compact

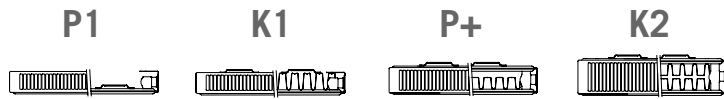
30_{Δt}



Height	Length mm	Sections	Heat output		Heat output		Heat output		Heat output		Heat output	
			Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr
300	500	15	-	-	131	448	192	655	253	863	-	-
	1000	30	-	-	262	894	384	1309	506	1726	695	2370
	1500	45	-	-	393	1342	576	1965	759	2588	-	-
	2000	60	-	-	524	1789	767	2618	1011	3451	1389	4741
	2500	75	-	-	656	2237	959	3274	1264	4314	-	-
	3000	90	-	-	786	2683	1151	3927	1517	5177	-	-
450	400	12	98	334	156	531	217	742	282	963	-	-
	500	15	122	416	195	664	272	928	353	1205	-	-
	600	18	146	499	234	798	326	1112	424	1446	-	-
	700	21	171	583	272	930	381	1299	494	1687	-	-
	800	24	195	666	312	1063	435	1483	565	1928	-	-
	900	27	220	750	350	1195	489	1669	636	2168	-	-
	1000	30	244	833	389	1328	543	1854	706	2409	-	-
	1100	33	-	-	428	1462	598	2040	777	2650	-	-
	1200	36	293	1000	467	1594	652	2225	847	2891	-	-
	1400	42	342	1167	545	1859	761	2595	988	3372	-	-
	1600	48	390	1332	623	2126	869	2966	1130	3855	-	-
	1800	54	-	-	701	2392	978	3337	1271	4337	-	-
	2000	60	-	-	779	2657	1087	3708	1412	4818	-	-
	2200	66	-	-	856	2922	1195	4078	1553	5300	-	-
	2400	72	-	-	934	3188	1304	4449	1694	5781	-	-
	2600	78	-	-	1012	3455	1413	4820	1836	6264	-	-
	2800	84	-	-	1090	3720	1521	5191	1977	6746	-	-
	3000	90	-	-	1168	3985	1630	5561	2118	7227	-	-
500	600	18	-	-	-	-	-	-	-	-	636	2168
	700	21	-	-	-	-	-	-	-	-	741	2529
	800	24	-	-	-	-	-	-	-	-	847	2891
	900	27	-	-	-	-	-	-	-	-	953	3251
	1000	30	-	-	-	-	-	-	-	-	1059	3613
	1100	33	-	-	-	-	-	-	-	-	1165	3975
	1200	36	-	-	-	-	-	-	-	-	1271	4335
	1400	42	-	-	-	-	-	-	-	-	1482	5057
	1600	48	-	-	-	-	-	-	-	-	1694	5781
	1800	54	-	-	-	-	-	-	-	-	1906	6503
	2000	60	-	-	-	-	-	-	-	-	2118	7226
	2400	72	-	-	-	-	-	-	-	-	2541	8670
600	400	12	128	436	202	689	277	945	357	1218	492	1680
	500	15	160	545	252	861	347	1183	446	1522	615	2100
	600	18	191	652	303	1033	416	1418	535	1826	738	2518
	700	21	223	761	353	1205	485	1655	624	2130	861	2938
	800	24	255	870	404	1378	554	1891	714	2435	984	3358
	900	27	287	979	454	1550	624	2128	803	2739	1107	3778
	1000	30	319	1088	505	1722	693	2363	892	3043	1230	4198
	1100	33	-	-	555	1894	762	2601	981	3347	1353	4618
	1200	36	383	1306	606	2066	831	2836	1070	3651	1477	5038
	1400	42	447	1523	707	2411	970	3309	1249	4261	1723	5878
	1600	48	510	1740	808	2755	1108	3781	1427	4869	1968	6716
	1800	54	-	-	908	3100	1247	4254	1606	5479	2215	7556
	2000	60	-	-	1009	3444	1385	4727	1784	6087	2461	8396
	2200	66	-	-	1110	3788	1524	5199	1962	6695	-	-
	2400	72	-	-	1211	4133	1662	5672	2141	7305	2953	10076
	2600	78	-	-	1312	4477	1801	6145	2319	7913	-	-
	2800	84	-	-	1413	4822	1939	6618	2498	8522	-	-
	3000	90	-	-	1514	5166	2078	7090	2676	9130	-	-
700	400	12	-	-	230	785	315	1075	404	1378	-	-
	500	15	-	-	288	982	394	1344	505	1724	698	2383
	600	18	-	-	345	1177	473	1613	606	2068	838	2859
	700	21	-	-	403	1374	552	1882	707	2413	977	3335
	800	24	-	-	460	1571	630	2151	808	2757	1118	3813
	900	27	-	-	518	1766	709	2420	909	3101	1257	4289
	1000	30	-	-	575	1963	788	2688	1010	3446	1397	4765
	1100	33	-	-	633	2160	867	2957	1111	3790	1536	5242
	1200	36	-	-	690	2355	946	3226	1212	4135	1676	5718
	1400	42	-	-	805	2748	1103	3764	1414	4823	1955	6672
	1600	48	-	-	920	3140	1261	4302	1616	5514	2235	7624
	1800	54	-	-	1036	3534	1418	4839	1818	6203	2514	8579
	2000	60	-	-	1151	3926	1576	5377	2020	6892	2793	9531
	2200	66	-	-	1265	4317	1733	5915	2222	7580	-	-
	2400	72	-	-	1381	4711	1891	6452	2424	8269	-	-
	2600	78	-	-	1496	5103	2049	6990	2626	8960	-	-
	2800	84	-	-	1611	5496	2206	7528	2828	9649	-	-
	3000	90	-	-	1726	5888	2364	8065	3030	10337	-	-

Stelrad Compact

Weights & Measures



Height	Length		P1		K1		P+		K2	
	mm	in	Wall to tap centre mm	Wall to tap centre mm	Wall to tap centre mm	Wall to tap centre mm	Wall to tap centre mm	Wall to tap centre mm	Wall to tap centre mm	Wall to tap centre mm
300	500	19.7	-	51	62	73				
	1000	39.4	-	51	62	73				
	1500	59.1	-	51	62	73				
	2000	78.7	-	51	62	73				
	2500	98.4	-	51	62	73				
	3000	118.1	-	51	62	73				
450	400	15.7	46	51	62	73				
	500	19.7	46	51	62	73				
	600	23.6	46	51	62	73				
	700	27.6	46	51	62	73				
	800	31.5	46	51	62	73				
	900	35.4	46	51	62	73				
	1000	39.4	46	51	62	73				
	1100	43.3	-	51	62	73				
	1200	47.2	46	51	62	73				
	1400	55.1	46	51	62	73				
	1600	63.0	46	51	62	73				
	1800	70.9	-	51	62	73				
	2000	78.7	-	51	62	73				
	2200	86.6	-	51	62	73				
	2400	94.5	-	51	62	73				
	2600	102.4	-	51	62	73				
	2800	110.2	-	51	62	73				
	3000	118.1	-	51	62	73				
600	400	15.7	46	51	62	73				
	500	19.7	46	51	62	73				
	600	23.6	46	51	62	73				
	700	27.6	46	51	62	73				
	800	31.5	46	51	62	73				
	900	35.4	46	51	62	73				
	1000	39.4	46	51	62	73				
	1100	43.3	-	51	62	73				
	1200	47.2	46	51	62	73				
	1400	55.1	46	51	62	73				
	1600	63.0	46	51	62	73				
	1800	70.9	-	51	62	73				
	2000	78.7	-	51	62	73				
	2200	86.6	-	51	62	73				
	2400	94.5	-	51	62	73				
	2600	102.4	-	51	62	73				
	2800	110.2	-	51	62	73				
	3000	118.1	-	51	62	73				
700	400	15.7	-	51	62	73				
	500	19.7	-	51	62	73				
	600	23.6	-	51	62	73				
	700	27.6	-	51	62	73				
	800	31.5	-	51	62	73				
	900	35.4	-	51	62	73				
	1000	39.4	-	51	62	73				
	1100	43.3	-	51	62	73				
	1200	47.2	-	51	62	73				
	1400	55.1	-	51	62	73				
	1600	63.0	-	51	62	73				
	1800	70.9	-	51	62	73				
	2000	78.7	-	51	62	73				
	2200	86.6	-	51	62	73				
	2400	94.5	-	51	62	73				
	2600	102.4	-	51	62	73				
	2800	110.2	-	51	62	73				
	3000	118.1	-	51	62	73				

EN 442 Certification Data – CETIAT tested in accordance with BS EN 442

Type	P1				K1				P+				K2			
	300	450	600	700	300	450	600	700	300	450	600	700	300	450	600	700
W/m at 75/65/20	326	474	619	715	509	756	980	1117	745	1055	1345	1530	982	1371	1732	1961
n-coefficients	1.28	1.33	1.33	1.33	1.32	1.31	1.29	1.29	1.33	1.33	1.34	1.34	1.33	1.33	1.33	1.34
Heated Surface Area (m ² /m)	0.68	1.03	1.37	1.60	2.09	3.37	4.66	5.51	2.44	3.84	5.24	6.18	3.51	5.62	7.74	9.15
Weight (kg/m)	6.64	9.82	13.00	15.12	9.31	14.51	19.70	22.90	14.29	22.04	29.80	34.50	16.80	25.90	35.00	40.53
Water Contents (l/m)	1.89	2.57	3.25	3.77	1.89	2.57	3.25	3.77	3.70	5.15	6.60	7.63	3.70	5.15	6.60	7.63

Stelrad Compact

Weights & Measures

K3



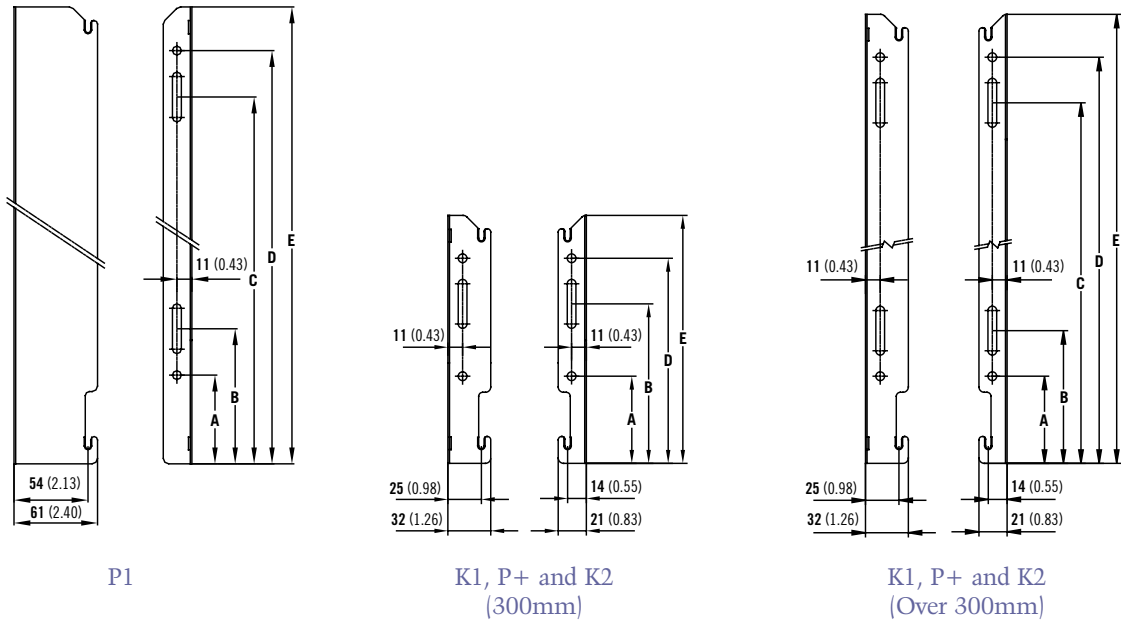
Height	Length		Wall to tap centre mm
	mm	in	
300	1000	39.4	73
	2000	78.7	73
500	600	23.6	73
	700	27.6	73
	800	31.5	73
	900	35.4	73
	1000	39.4	73
	1100	43.3	73
	1200	47.2	73
	1400	55.1	73
	1600	63.0	73
	1800	70.9	73
	2000	78.7	73
	2400	94.5	73
600	400	15.7	73
	500	19.7	73
	600	23.6	73
	700	27.6	73
	800	31.5	73
	900	35.4	73
	1000	39.4	73
	1100	43.3	73
	1200	47.2	73
	1400	55.1	73
	1600	63.0	73
	1800	70.9	73
2000	78.7	73	
2400	94.5	73	
700	500	19.7	73
	600	23.6	73
	700	27.6	73
	800	31.5	73
	900	35.4	73
	1000	39.4	73
	1100	43.3	73
	1200	47.2	73
	1400	55.1	73
	1600	63.0	73
	1800	70.9	73
	2000	78.7	73

EN 442 Certification Data – CETIAT tested in accordance with BS EN 442

Type	K3			
	300	500	600	700
Height	300	500	600	700
W/m at 75/65/20	1349	2056	2389	2712
n-coefficients	1.31	1.32	1.32	1.34
Heated Surface Area (m ² /m)	5.26	9.49	11.61	13.72
Weight (kg/m)	25.20	43.40	52.50	60.77
Water Contents (l/m)	5.40	8.33	9.80	11.37

Compact mounting brackets

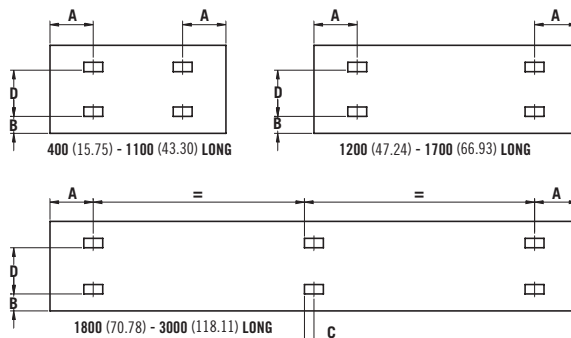
All dimensions in mm. Inches in brackets.



Dimensions	mm	in	mm	in	mm	in	mm	in
	300	11.81	450	17.72	600	23.62	700	27.56
A	65	2.56	65	2.56	65	2.56	65	2.56
B	119	4.69	99	3.90	99	3.90	99	3.90
C	-	-	269	10.59	419	16.50	519	20.43
D	153	6.02	303	11.93	453	17.83	553	21.77
E	185	7.28	335	13.19	485	19.09	585	23.03

K1, P+, K2 and P1 lug positions

All dimensions in mm. Inches in brackets.

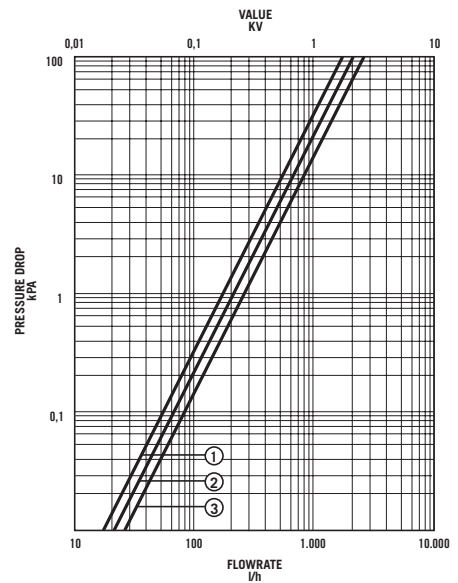


Dimensions		mm	in
A		133	5.24
B		60	2.36

Panel Height		D	
mm	in	mm	in
300	11.81	155	6.10
450	17.72	305	12.01
600	23.62	455	17.91
700	27.56	555	21.95

Dimensions		mm	in
A	400mm	117	4.61
A	500 - 3000mm	150	5.91
B	400 - 3000mm	60	2.36
C	1800 - 3000mm	17	0.67

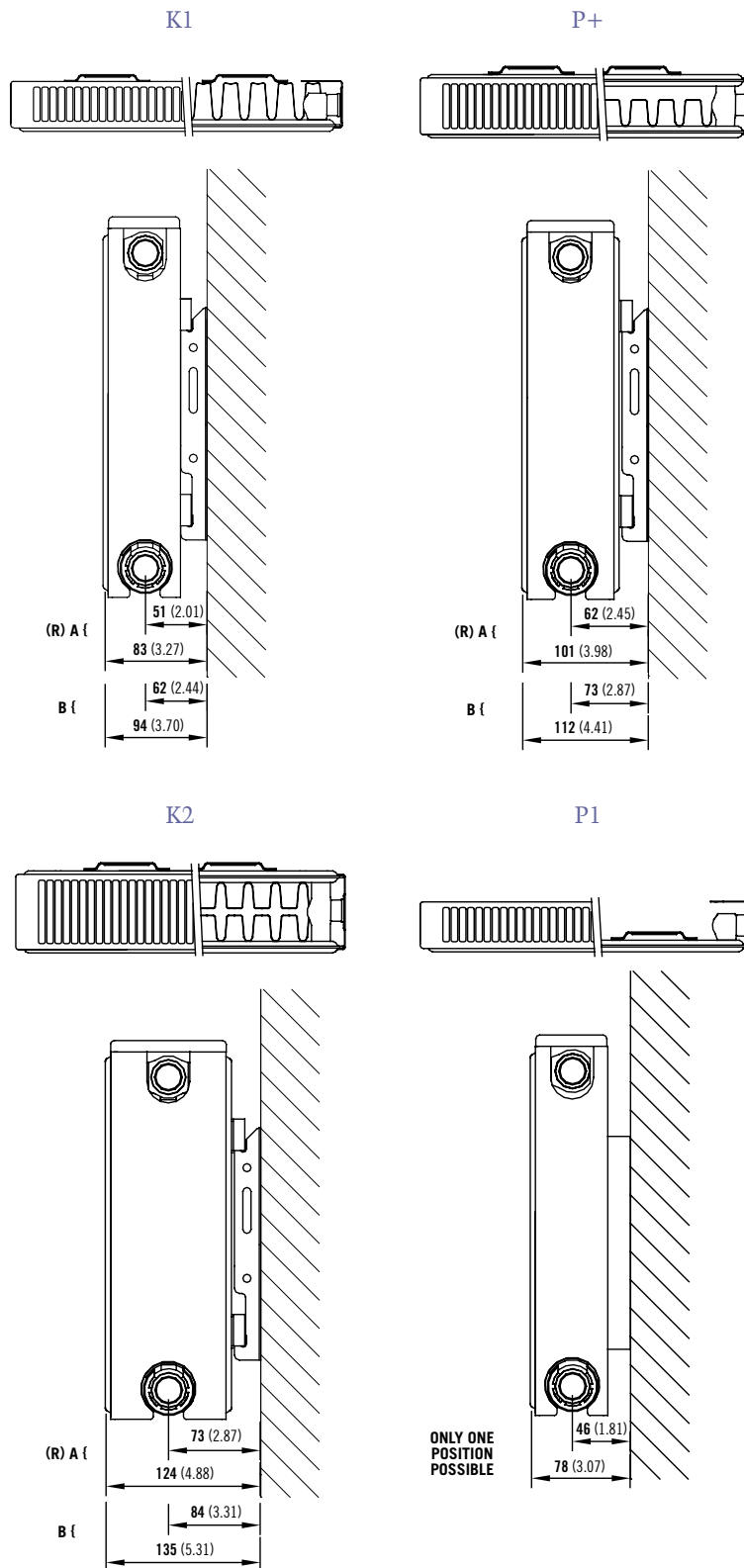
Pressure drops



- ① Type 10 (P1), 11 (K1)
- ② Type 21 (P+), 22 (K2)
- ③ Type 33 (K3)

Compact wall mounting information

All dimensions in mm. Inches in brackets.

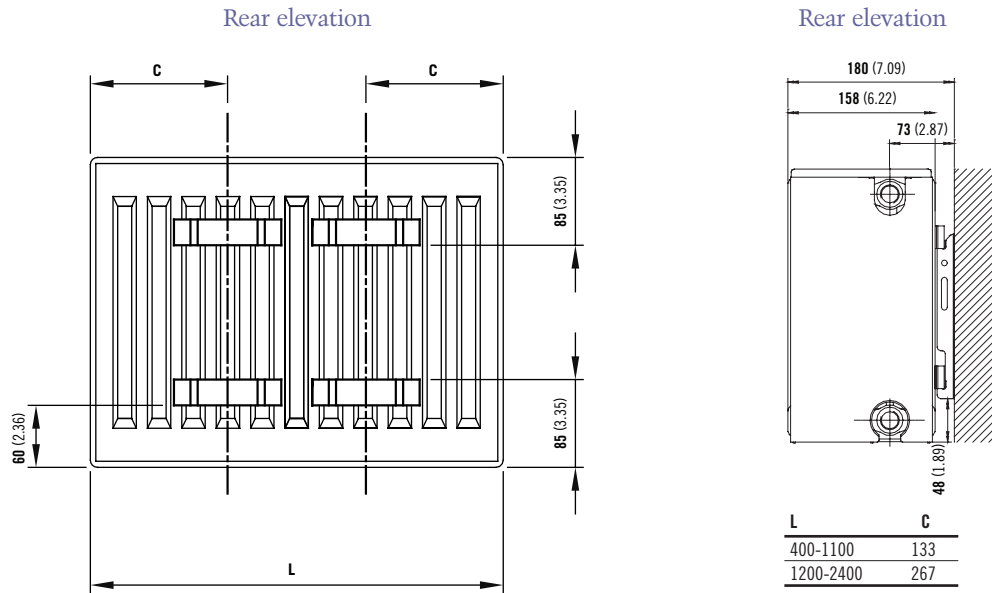


Compact bracket position

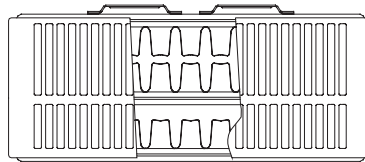
A = Closest to Wall B = Furthest from Wall (R) = Recommended Mounting Position

Compact K3 wall mounting information

All dimensions in mm. Inches in brackets.

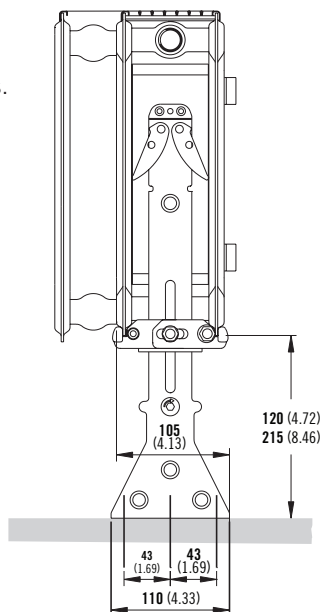


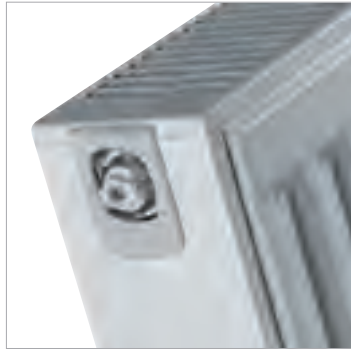
Top elevation



Compact K3 on floorstand

All dimensions in mm. Inches in brackets.





The elegant top grille and side panels have been specifically designed to eradicate movement, providing a tight, professional, quality fit.



Floor standing brackets provide a practical solution for standard and towel rail models, where situations, such as tiled walls, create installation difficulties.



Robust packaging protects the product right through to hand over. Installation instructions can be found on the reverse of the identification label.



All fixing requirements are complete within the packaging.



Optional extension pieces for easy replacement.



Optional 3/4 inch valve adaptor for connection without performance reduction.



The Stelrad STARS Heatloss Calculator contains an inbuilt U value calculator.

Save time and effort by using the Stelrad STARS program – the perfect solution for accurate sizing and design flexibility.

Compact temperature table

TEMPERATURES

Factors for differences between mean water temperature and room temperature in °C and °F other than 50°C (90°F)

°C		°F	
5	0.050	10	0.057
10	0.123	20	0.142
15	0.209	30	0.240
20	0.304	40	0.348
25	0.406	50	0.466
30	0.515	60	0.590
35	0.629	70	0.721
40	0.748	80	0.858
45	0.872	90	1.000
50	1.000	100	1.147
55	1.132	110	1.298
60	1.267	120	1.454
65	1.406	130	1.613
70	1.549	140	1.776
75	1.694	-	-

To apply the factors shown in the table above to our quoted outputs, multiply the quoted output by the chosen operating factor to give new output.

To apply the factor to required output, divide required output by factor to give correct radiator from the Stelrad Compact range.

Testing and operating pressures

All models are high pressure tested to withstand 152.3 psi (10.5 bar), to perform at a maximum working pressure of 116 psi (8 bar) at a maximum temperature of 95°C.

Connections

Each Stelrad Compact radiator has 4 x 1/2 inch connections as standard. There is also a 3/4 inch valve adaptor available, which provides a 3/4 inch connector option to the valve without reducing performance.

Applications

Stelrad Compact radiators are suitable for two pipe installations. For single pipe applications, it is advisable to use diversion tees in the pipework, as this will assist in obtaining design performance from the radiators.

Although the Stelrad Compact is suitable for Microbore pipework, the back tappings make it unsuitable for twin entry valves.

Installation

Everything required for installation can be found within the robust packaging.

Brackets are of a strong design, with open top and deep slots, which facilitate easy and secure installation. Plastic inserts seat the radiator precisely on the bracket minimising expansion and contraction noise.

The neat nickel-plated plug and vent provide a watertight joint, whilst complementing the superior finish.

To facilitate easy one off replacement, nickel-plated brass extension pieces are also available for the Stelrad Compact Towel Rail and Compact Standard radiators, complete with sealing washer, in 20mm, 30mm and 40mm options.

Recommended height from the floor to the base of the radiator is 150 mm minimum. This allows adequate airflow when the radiator is placed on the bracket.

Caution

When designing for domestic systems, we recommend that the Stelrad Compact be used only in heating systems complying with British Standard Code of Practice for Central Heating for Domestic Premises BS EN 2828:2003 and BS EN 12831:2003.

Single feed, indirect cylinders are not recommended, as should interchange of water occur, fresh aerated water would enter the heating system, resulting in corrosion.

Water treatment

On completion of the installation, the system should be properly flushed and filled in accordance with the British Standard Code of Practice for the Treatment of Water in Domestic Hot Water Central Heating Systems BS 7593:2006.

This will remove flux residues and installation debris, which might promote corrosion and damage within the system.

If it is decided to apply a high performance corrosion inhibitor to maximise the working life of the system, it should be applied in accordance with the manufacturer's instructions and should be suitable for the particular metals within the system.

A comprehensive range of quality chemicals including inhibitors, cleaners, leak sealers and noise reducers that protect and maintain central heating systems can be obtained from:

Sentinel Performance Solutions Ltd
The Heath Business & Technical Park, Runcorn,
Cheshire WA7 4QX

Tel: 01928 588 330 (UK)

Fernox - Cookson Electronics,
Forsyth Road, Sheerwater, Woking,
Surrey GU21 5RZ

Tel: 01483 793200

Two coat paint process

Each Stelrad Compact radiator is subjected to a multi stage cleaning process before the paint is applied. This involves several rinsing stages, including an iron phosphate and demineralisation rinse.

The first coat of paint is applied by electrophoresis and the radiator is then stoved and cooled. The second powder coat is applied and the radiator goes through a final curing stage. It is then allowed to cool prior to packaging.

Compact Towel Rail



Warmth that works harder

This simple design is the ultimate in neat, efficient functionality for towel warming and space heating. The superbly integrated unit allows towels and clothes to warm without interfering with the vital flow of convected room heat.

Caring for your Stelrad Compact Towel Rail

Every product is quality checked to the highest standards. Care should be taken not to site the product where it could be struck by an opening door. The rail itself should not be loaded with more than 40Kg weight and the plastic components are not suitable for painting. Cleaning is simple using a soft cloth with non-abrasive, non-corrosive agents.



Stelrad Compact Towel Rail

50 Δt

STR2

STR3

STR4

STR6

STR8

Height	Length mm	Sections	Heat output		Heat output		Heat output		Heat output		Heat output	
			Watts	BTU/H.	Watts	BTU/H.	Watts	BTU/H.	Watts	BTU/H.	Watts	BTU/H.
645	425	12	419	1430	-	-	-	-	-	-	-	-
	625	18	-	-	611	2085	-	-	-	-	-	-
745	425	12	-	-	-	-	475	1621	-	-	-	-
	625	18	-	-	-	-	-	-	693	2365	-	-
	825	24	-	-	-	-	-	-	-	-	922	3146

40 Δt

STR2

STR3

STR4

STR6

STR8

Height	Length mm	Sections	Heat output		Heat output		Heat output		Heat output		Heat output	
			Watts	BTU/H.	Watts	BTU/H.	Watts	BTU/H.	Watts	BTU/H.	Watts	BTU/H.
645	425	12	314	1070	-	-	-	-	-	-	-	-
	625	18	-	-	457	1560	-	-	-	-	-	-
745	425	12	-	-	-	-	355	1213	-	-	-	-
	625	18	-	-	-	-	-	-	518	1769	-	-
	825	24	-	-	-	-	-	-	-	-	670	2353

30 Δt

STR2

STR3

STR4

STR6

STR8

Height	Length mm	Sections	Heat output		Heat output		Heat output		Heat output		Heat output	
			Watts	BTU/H.	Watts	BTU/H.	Watts	BTU/H.	Watts	BTU/H.	Watts	BTU/H.
645	425	12	216	736	-	-	-	-	-	-	-	-
	625	18	-	-	314	1074	-	-	-	-	-	-
745	425	12	-	-	-	-	244	835	-	-	-	-
	625	18	-	-	-	-	-	-	356	1217	-	-
	825	24	-	-	-	-	-	-	-	-	475	1620

EN 442 Certification Data – CETIAT tested in accordance with BS EN 442

Type	STR2	STR3	STR4	STR6	STR8
Height	645	645	745	745	745
W/m at 75/65/20	419	611	475	693	922
n-coefficients	1.27	1.27	1.28	1.28	1.28
Heated Surface Area (m ² /m)	1.86	2.79	2.21	3.31	4.41
Weight (kg/m)	8.72	13.08	9.95	14.92	19.89
Water Contents (l/m)	1.32	1.98	1.56	2.34	3.12

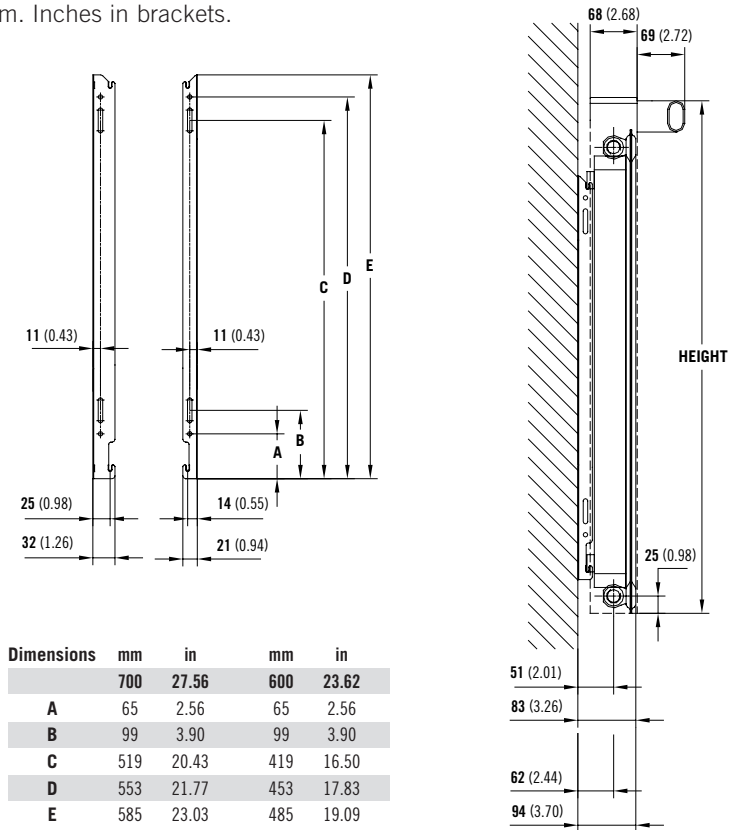


The Stelrad STARS Heatloss Calculator contains an inbuilt U value calculator.

Save time and effort by using the Stelrad STARS program – the perfect solution for accurate sizing and design flexibility.

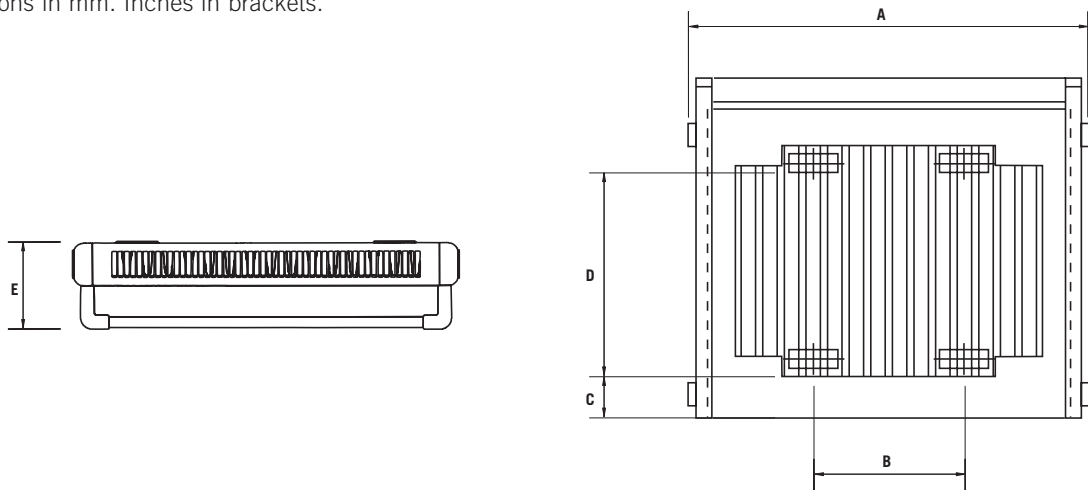
Compact Towel Rail mounting brackets

All dimensions in mm. Inches in brackets.



Compact Towel Rail wall mounting information

All dimensions in mm. Inches in brackets.



Dimensions	STR2		STR3		STR4		STR6		STR8	
	mm	in	mm	in	mm	in	mm	in	mm	in
A	425	16.73	625	24.60	425	16.73	625	24.60	825	32.48
B	167	6.57	300	11.81	167	6.57	300	11.81	500	19.68
C	60	2.36	60	2.36	60	2.36	60	2.36	60	2.36
D	555	21.85	555	21.85	555	21.85	555	21.85	555	21.85
E	140	5.51	140	5.51	140	5.51	140	5.51	140	5.51

For further information and advice call Technical Support on: 01482 498663.

Compact Vertex

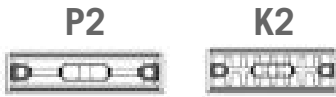
Towering warmth

This stylish, attractive vertical radiator is the simple answer for applications where wall space is at a premium. Compact Vertex is designed to complement the Stelrad Compact range. Installation is as simple as the standard models, with piping flexibility and the option of a 3/4 inch valve adaptor without reducing performance.



Stelrad Vertex

50 Δt



Height	Length mm	Sections	Heat output		Heat output	
			Watts	Btu/hr	Watts	Btu/hr
1800	400	12	1146	3910	1584	5405
	600	18	1719	5865	2376	8107
	700	21	2006	6844	2772	9458
2000	400	12	1248	4258	1716	5855
	500	15	-	-	2145	7319
	600	18	1872	6387	2574	8782
2200	700	21	2184	7452	3003	10246
	300	9	-	-	1386	4729
	400	12	1356	4627	1848	6305
	500	15	-	-	2310	7882
2200	600	18	2034	6940	2772	9458
	700	21	2373	8097	-	-

40 Δt



30 Δt

Height	Length mm	Sections	Heat output		Heat output		Heat output		Heat output	
			Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr
1800	400	12	857	2925	1185	4043	590	2014	816	2783
	600	18	1286	4387	1777	6064	885	3020	1224	4175
	700	21	1500	5119	2073	7075	1033	3525	1428	4871
2000	400	12	933	3185	1284	4380	643	2193	884	3015
	500	15	-	-	1604	5474	-	-	1105	3769
	600	18	1400	4777	1925	6569	964	3289	1326	4523
2200	700	21	1634	5574	2246	7664	1125	3838	1547	5277
	300	9	-	-	1037	3537	-	-	714	2435
	400	12	1014	3461	1382	4716	698	2383	952	3247
	500	15	-	-	1728	5896	-	-	1190	4059
2200	600	18	1521	5191	2073	7075	1048	3574	1428	4871
	700	21	1775	6057	-	-	1222	4170	-	-

Weights & Measures



Height	Length		Wall to tap centre mm	Dry weight Kg	Water content Litres	Surface area m ² /m	Wall to tap centre mm	Dry weight Kg	Water content Litres	Surface area m ² /m
	mm	in								
1800	400	15.7	65	28.44	6.48	3.30	65	35.52	6.48	11.96
	600	23.6	65	42.66	9.72	4.95	65	53.28	9.72	17.94
	700	27.6	65	49.77	11.34	5.78	65	62.16	11.34	20.93
2000	400	15.7	65	31.44	7.20	3.67	65	38.64	7.20	15.09
	500	19.7	-	-	-	-	65	48.30	9.00	18.87
	600	23.6	65	47.16	10.80	5.50	65	57.96	10.80	22.64
2200	700	27.6	65	55.02	12.60	6.42	65	67.62	12.60	26.39
	300	11.8	-	-	-	-	65	32.67	6.03	11.60
	400	15.7	65	35.04	8.04	4.04	65	43.56	8.04	15.46
	500	19.7	-	-	-	-	65	54.45	10.05	19.33
2200	600	23.6	65	52.56	12.06	6.05	65	65.34	12.06	23.20
	700	27.6	65	61.32	14.07	7.06	-	-	-	-

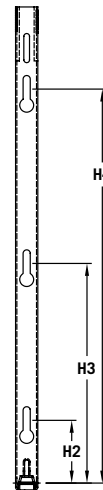
EN 442 Certification Data – CETIAT tested in accordance with BS EN 442

Type	P2			K2		
Height	1800	2000	2200	1800	2000	2200
W/m at 75/65/20	2865	3120	3390	3690	3960	4230
n-coefficients	1.31	1.30	1.30	1.33	1.33	1.33
Heated Surface Area (m ² /m)	8.20	9.10	10.10	29.90	37.74	38.66
Weight (kg/m)	71.10	78.60	87.60	105.30	116.40	126.60
Water Contents (l/m)	16.20	18.00	20.10	15.90	17.70	20.10

Compact Vertex mounting brackets

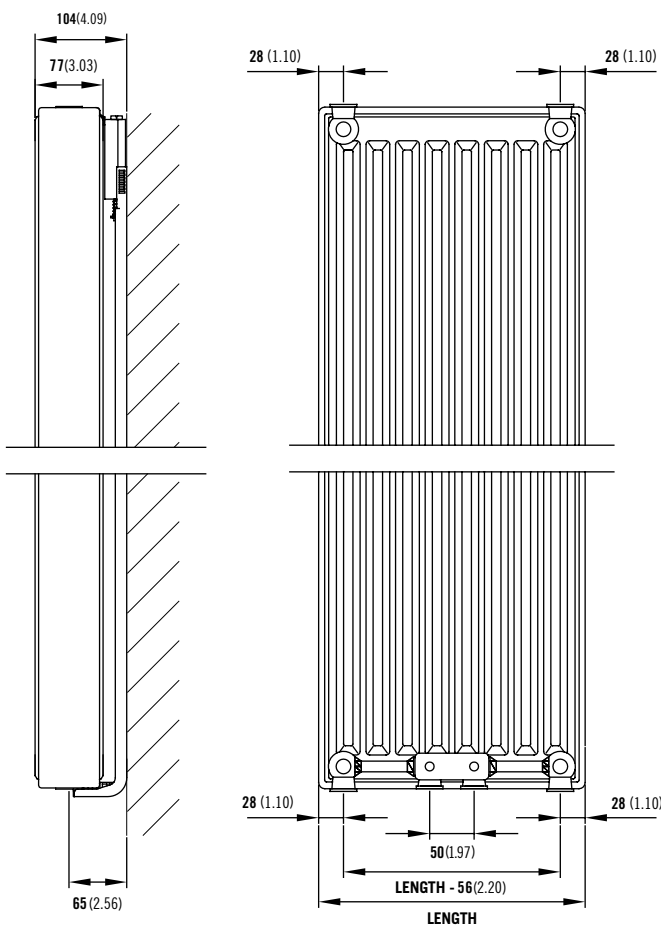
All dimensions in mm. Inches in brackets.

Height	H2		H3		H4		
	mm	in	mm	in	mm	in	
1800	70.87	70	2.75	1115	43.89	1615	63.58
2000	78.74	70	2.75	1215	47.83	1815	71.46
2200	86.61	70	2.75	1315	51.77	2015	79.33



Compact Vertex wall mounting information

All dimensions in mm. Inches in brackets.



Comes complete with Stelrad's class leading safety bracket.



The Stelrad STARS Heatloss Calculator contains an inbuilt U value calculator.

Save time and effort by using the Stelrad STARS program – the perfect solution for accurate sizing and design flexibility.

For further information and advice call Technical Support on: 01482 498663.

Softline

Extra performance to guaranteed standards

With beautifully curved top grille and end panels, the Stelrad Softline radiator is the mould-breaking next generation compact from Stelrad.

Combining the most sophisticated production resources in Europe, with substantial investment directed towards testing and verification of performance data, Stelrad has created a high output Compact radiator with heating performance that exceeds expectation.

Strictly controlled independent laboratory testing ensures that all Softline radiators are guaranteed to perform to a maximum working pressure of 116 psi (8 bar) and conform to BS EN 442 - the European Standard for radiators.

As a measure of the all round dependable quality and performance, the Stelrad Softline comes complete with a 10 year Manufacturer's Warranty.

Superb quality from design to installation

The elegant, beautifully curved top grille and end panels have been specifically designed to eradicate any movement, providing a tight, professional fit, that will remain in place, even after storage, transit and installation.

As you would expect from a radiator with the Stelrad pedigree, the convectors are precision welded directly onto the waterways for greater efficiency and economy, with flexible connection options for the highest of domestic application specifications.

Every radiator comes wrapped in robust, practical packaging that will keep the product pristine, right through to hand over. Protective through storage and transit, the new packaging design also allows installation prior to removal.



Stelrad Softline

50 Δt



Height	Length mm	Sections	Heat output		Heat output		Heat output	
			Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr
300	500	15	255	870	-	-	491	1675
	1000	30	509	1737	-	-	982	3351
	1500	45	764	2607	-	-	1473	5026
	2000	60	1018	3473	-	-	1964	6701
	400	12	302	1030	-	-	548	1870
450	500	15	378	1290	-	-	686	2341
	600	18	454	1549	-	-	823	2808
	700	21	529	1805	-	-	960	3276
	800	24	605	2064	-	-	1097	3743
	900	27	680	2320	-	-	1234	4210
	1000	30	756	2579	1055	3600	1371	4678
	1100	33	832	2839	1161	3961	1508	5145
	1200	36	907	3095	1266	4320	1645	5613
	1400	42	1058	3610	1477	5040	1919	6548
	1600	48	1210	4129	1787	6097	2194	7486
	1800	54	1361	4644	-	-	2468	8421
	2000	60	1512	5159	-	-	2742	9356
600	400	12	392	1338	538	1836	693	2365
	500	15	490	1672	673	2296	866	2955
	600	18	588	2006	807	2753	1039	3545
	700	21	686	2341	942	3214	1212	4135
	800	24	784	2675	1076	3671	1386	4729
	900	27	882	3009	1211	4132	1559	5319
	1000	30	980	3344	1345	4589	1732	5910
	1100	33	1078	3678	1480	5050	1905	6500
	1200	36	1176	4013	1614	5507	2078	7090
	1400	42	1372	4681	1883	6425	2425	8274
	1600	48	1568	5350	2152	7343	2771	9455
	1800	54	1764	6019	-	-	3118	10639
2000	60	1960	6688	-	-	3464	11819	
700	400	12	447	1525	-	-	784	2675
	500	15	559	1907	-	-	981	3347
	600	18	670	2286	-	-	1177	4016
	700	21	782	2668	-	-	1373	4685
	800	24	894	3050	-	-	1569	5353
	900	27	1005	3429	-	-	1765	6022
	1000	30	1117	3811	-	-	1961	6691
	1100	33	1229	4193	-	-	2157	7360
	1200	36	1340	4572	-	-	2353	8028
	1400	42	1564	5336	-	-	2745	9366
	1600	48	1787	6097	-	-	3138	10707
	1800	54	2011	6862	-	-	3530	12044
2000	60	2234	7622	-	-	3922	13382	

Stelrad Softline

40 Δt



Height	Length mm	Sections	Heat output		Heat output		Heat output	
			Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr
300	500	15	191	651	-	-	367	1253
	1000	30	381	1299	-	-	735	2506
	1500	45	571	1950	-	-	1102	3759
	2000	60	761	2598	-	-	1469	5012
	400	12	226	771	-	-	410	1399
450	500	15	283	965	-	-	513	1751
	600	18	340	1159	-	-	616	2100
	700	21	396	1350	-	-	718	2450
	800	24	453	1544	-	-	821	2800
	900	27	509	1735	-	-	923	3149
	1000	30	565	1929	789	2693	1026	3499
	1100	33	622	2123	868	2963	1128	3849
	1200	36	678	2315	947	3231	1230	4198
	1400	42	791	2700	1105	3770	1435	4898
	1600	48	905	3088	1337	4561	1641	5599
	1800	54	1018	3474	-	-	1846	6299
	2000	60	1131	3859	-	-	2051	6998
	600	400	12	293	1000	402	1373	518
500		15	367	1251	503	1718	648	2210
600		18	440	1501	604	2060	777	2652
700		21	513	1751	705	2404	907	3093
800		24	586	2001	805	2746	1037	3537
900		27	660	2251	906	3091	1166	3979
1000		30	733	2501	1006	3433	1296	4420
1100		33	806	2751	1107	3777	1425	4862
1200		36	880	3001	1207	4119	1554	5303
1400		42	1026	3502	1408	4806	1814	6189
1600		48	1173	4002	1610	5492	2073	7072
1800		54	1319	4502	-	-	2332	7958
2000		60	1466	5002	-	-	2591	8841
700	400	12	334	1141	-	-	586	2001
	500	15	418	1427	-	-	734	2504
	600	18	501	1710	-	-	880	3004
	700	21	585	1996	-	-	1027	3504
	800	24	669	2282	-	-	1174	4004
	900	27	752	2565	-	-	1320	4505
	1000	30	836	2851	-	-	1467	5005
	1100	33	919	3137	-	-	1613	5505
	1200	36	1002	3420	-	-	1760	6005
	1400	42	1170	3992	-	-	2053	7006
	1600	48	1337	4561	-	-	2347	8009
	1800	54	1504	5132	-	-	2640	9009
	2000	60	1671	5702	-	-	2934	10010

Stelrad Softline

30 Δt



Height	Length mm	Sections	Heat output		Heat output		Heat output	
			Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr
300	500	15	131	448	-	-	253	863
	1000	30	262	894	-	-	506	1726
	1500	45	393	1342	-	-	759	2588
	2000	60	524	1789	-	-	1011	3451
	400	12	156	531	-	-	282	963
450	500	15	195	664	-	-	353	1205
	600	18	234	798	-	-	424	1446
	700	21	272	930	-	-	494	1687
	800	24	312	1063	-	-	565	1928
	900	27	350	1195	-	-	636	2168
	1000	30	389	1328	543	1854	706	2409
	1100	33	428	1462	598	2040	777	2650
	1200	36	467	1594	652	2225	847	2891
	1400	42	545	1859	761	2595	988	3372
	1600	48	623	2126	920	3140	1130	3855
	1800	54	701	2392	-	-	1271	4337
	2000	60	779	2657	-	-	1412	4818
	600	400	12	202	689	277	945	357
500		15	252	861	347	1183	446	1522
600		18	303	1033	416	1418	535	1826
700		21	353	1205	485	1655	624	2130
800		24	404	1378	554	1891	714	2435
900		27	454	1550	624	2128	803	2739
1000		30	505	1722	693	2363	892	3043
1100		33	555	1894	762	2601	981	3347
1200		36	606	2066	831	2836	1070	3651
1400		42	707	2411	970	3309	1249	4261
1600		48	808	2755	1108	3781	1427	4869
1800		54	908	3100	-	-	1606	5479
2000		60	1009	3444	-	-	1784	6087
700	400	12	230	785	-	-	404	1378
	500	15	288	982	-	-	505	1724
	600	18	345	1177	-	-	606	2068
	700	21	403	1374	-	-	707	2413
	800	24	460	1571	-	-	808	2757
	900	27	518	1766	-	-	909	3101
	1000	30	575	1963	-	-	1010	3446
	1100	33	633	2160	-	-	1111	3790
	1200	36	690	2355	-	-	1212	4135
	1400	42	805	2748	-	-	1414	4823
	1600	48	920	3140	-	-	1616	5514
	1800	54	1036	3534	-	-	1818	6203
	2000	60	1151	3926	-	-	2020	6892

Stelrad Softline

Weights & Measures

K1

P+

K2



Height	Length		Wall to tap centre mm	Wall to tap centre mm	Wall to tap centre mm	
	mm	in				
300	500	19.7	133	-	141	
	1000	39.4	133	-	141	
	1500	59.1	267	-	275	
	2000	78.7	267	-	275	
	400	15.7	133	-	125	
450	500	19.7	133	-	158	
	600	23.6	133	-	158	
	700	27.6	133	-	158	
	800	31.5	133	-	158	
	900	35.4	133	-	158	
	1000	39.4	133	141	158	
	1100	43.3	133	141	158	
	1200	47.2	267	275	291	
	1400	55.1	267	275	291	
	1600	63.0	267	275	291	
	1800	70.9	267	-	291	
	2000	78.7	267	-	291	
	400	15.7	133	141	141	
	500	19.7	133	141	141	
	600	23.6	133	141	141	
700	27.6	133	141	141		
800	31.5	133	141	141		
900	35.4	133	141	141		
1000	39.4	133	141	141		
1100	43.3	133	141	141		
1200	47.2	267	275	275		
1400	55.1	267	275	275		
1600	63.0	267	275	275		
1800	70.9	267	-	275		
2000	78.7	267	-	275		
600	400	15.7	133	-	141	
	500	19.7	133	-	141	
	600	23.6	133	-	141	
	700	27.6	133	-	141	
	800	31.5	133	-	141	
	900	35.4	133	-	141	
	1000	39.4	133	-	141	
	1100	43.3	133	-	141	
	1200	47.2	267	275	275	
	1400	55.1	267	275	275	
	1600	63.0	267	275	275	
	1800	70.9	267	-	275	
	2000	78.7	267	-	275	
	700	400	15.7	133	-	141
		500	19.7	133	-	141
600		23.6	133	-	141	
700		27.6	133	-	141	
800		31.5	133	-	141	
900		35.4	133	-	141	
1000		39.4	133	-	141	
1100		43.3	133	-	141	
1200		47.2	267	-	275	
1400		55.1	267	-	275	
1600		63.0	267	-	275	
1800		70.9	267	-	275	
2000		78.7	267	-	275	

EN 442 Certification Data – CETIAT tested in accordance with BS EN 442

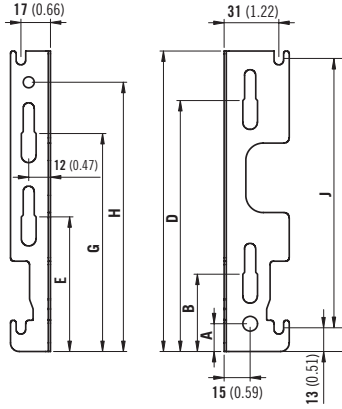
Type	K1				P+	
	300	450	600	700	450	600
Height	300	450	600	700	450	600
W/m at 75/65/20	509	756	980	1117	1055	1345
n-coefficients	1.32	1.31	1.29	1.29	1.33	1.34
Heated Surface Area (m ² /m)	2.09	3.37	4.66	5.51	3.84	5.24
Weight (kg/m)	9.31	14.51	19.70	22.90	22.04	29.80
Water Contents (l/m)	1.89	2.57	3.25	3.77	5.15	6.60

EN 442 Certification Data – CETIAT tested in accordance with BS EN 442

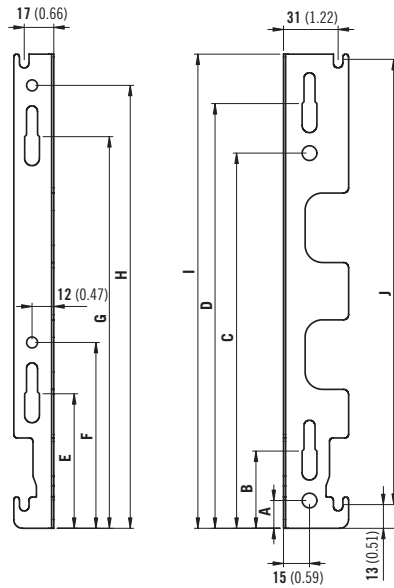
Type	K2			
	300	450	600	700
Height	300	450	600	700
W/m at 75/65/20	982	1371	1732	1961
n-coefficients	1.33	1.33	1.33	1.34
Heated Surface Area (m ² /m)	3.51	5.62	7.74	9.15
Weight (kg/m)	16.80	25.90	35.00	40.53
Water Contents (l/m)	3.70	5.15	6.60	7.63

Softline mounting brackets

All dimensions in mm. Inches in brackets.



H300

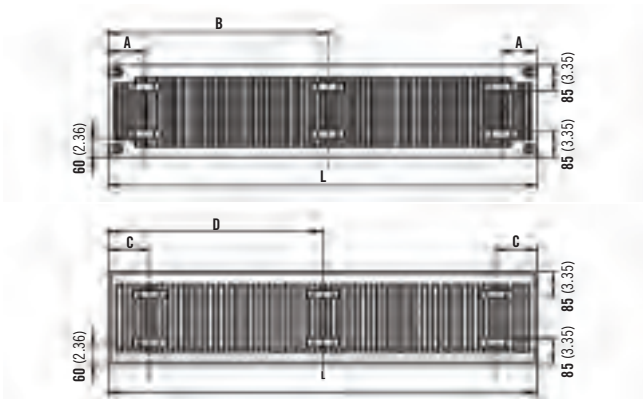


H450-600-700

Height	mm	in	mm	in	mm	in	mm	in
	300	11.81	450	17.72	600	23.62	700	27.56
A	16	0.63	16	0.63	16	0.63	16	0.63
B	44	1.73	44	1.73	44	1.73	44	1.73
C	-	-	266	10.47	416	16.38	516	20.31
D	144	5.67	294	11.57	444	17.48	544	21.42
E	77	3.03	77	3.03	77	3.03	77	3.03
F	-	-	107	4.21	107	4.21	107	4.21
G	125	4.92	275	10.83	425	16.73	525	20.67
H	155	6.10	305	12.01	455	17.91	555	21.85
I	173	6.81	323	12.72	473	18.62	573	22.56
J	155	6.10	305	12.01	455	17.91	555	21.85

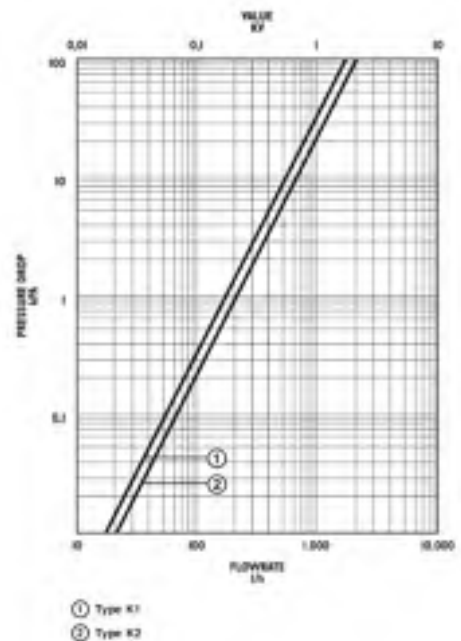
K1, P+ and K2 lug positions

All dimensions in mm. Inches in brackets.



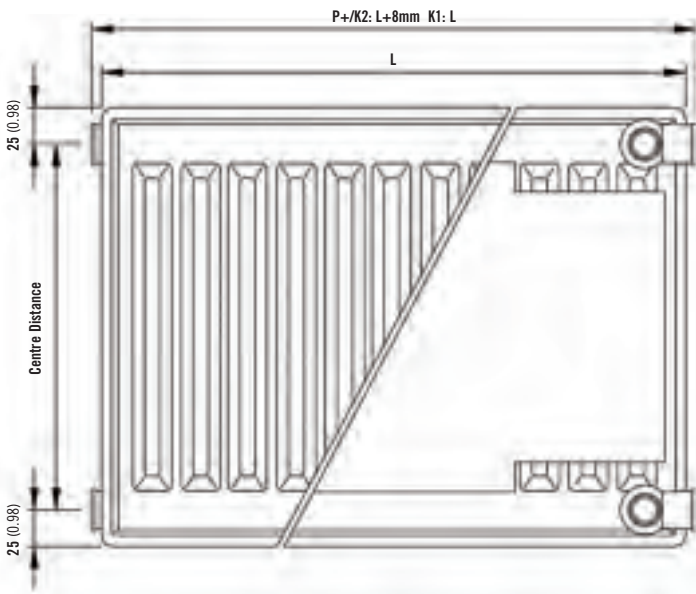
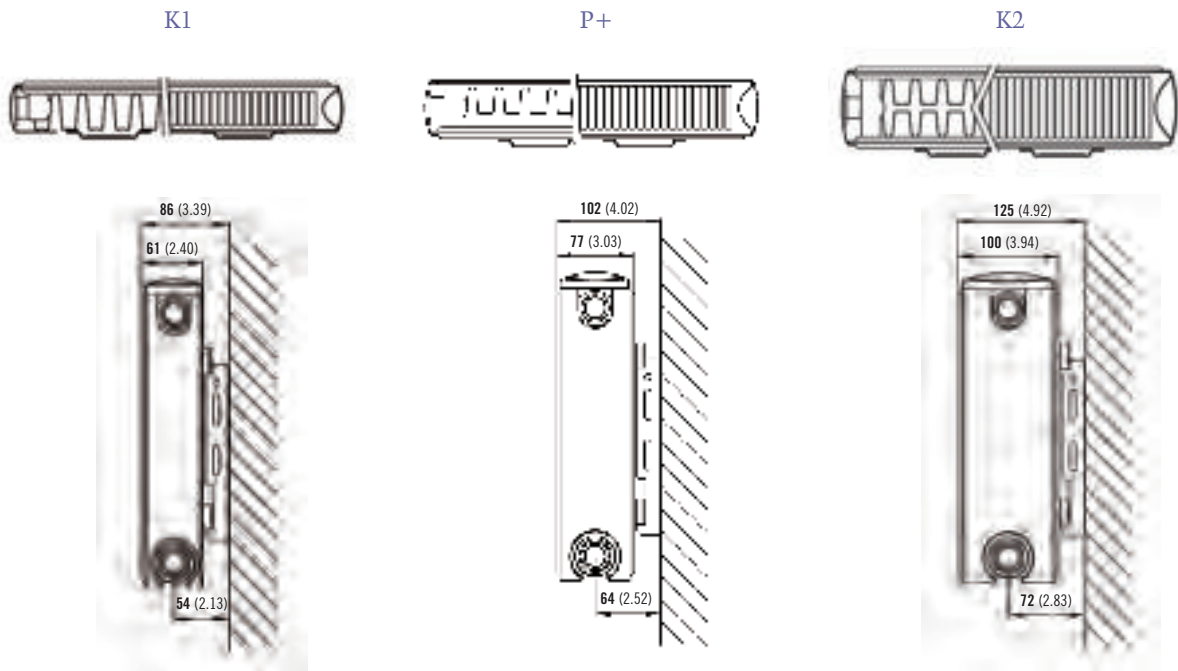
L	K1				TYPE P+/K2			
	A	B	C	D	A	B	C	D
	mm	in	mm	in	mm	in	mm	in
400	117	-	-	-	133	-	-	-
500 - 1100	150	-	-	-	133	-	-	-
1200 - 1600	283	-	-	-	267	-	-	-
1800 - 2000	283	-	(L/2) + 17	-	267	-	(L/2)	-

Pressure drops



Softline wall mounting information

All dimensions in mm. Inches in brackets.

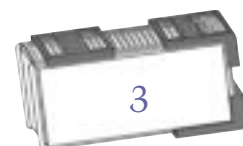
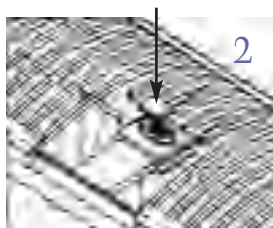


The Stelrad STARS Heatloss Calculator contains an inbuilt U value calculator.

Save time and effort by using the Stelrad STARS program – the perfect solution for accurate sizing and design flexibility.

Softline packaging and components

1. End box design. 2. Grille retaining clip. 3. Plastic corner protection.



Softline temperature table

TEMPERATURES

Factors for differences between mean water temperature and room temperature in °C and °F other than 50°C (90°F)

°C		°F	
5	0.050	10	0.057
10	0.123	20	0.142
15	0.209	30	0.240
20	0.304	40	0.348
25	0.406	50	0.466
30	0.515	60	0.590
35	0.629	70	0.721
40	0.748	80	0.858
45	0.872	90	1.000
50	1.000	100	1.147
55	1.132	110	1.298
60	1.267	120	1.454
65	1.406	130	1.613
70	1.549	140	1.776
75	1.694	-	-

To apply the factors shown in the table above to our quoted outputs, multiply the quoted output by the chosen operating factor to give new output.

To apply the factor to required output, divide required output by factor to give correct radiator from the Stelrad Softline range.

Testing and operating pressures

All models are high pressure tested to withstand 152.3 psi (10.5 bar), to perform at a maximum working pressure of 116 psi (8 bar) at a maximum temperature of 95°C.

Caution

When designing for domestic systems we recommend that the Softline range be used only in heating systems complying with the British Standard Code of Practice for Central Heating for Domestic Premises BS EN 2828:2003 and BS EN 12831:2003.

Single feed, direct cylinders are not recommended as should interchange of water occur, fresh aerated water would enter the heating system, resulting in corrosion.

Installation

Everything required for installation can be found within the robust packaging. Brackets are of a strong design, with open top and deep slots, which facilitate easy and secure installation. Plastic inserts seat the radiator precisely on the bracket minimising expansion and contraction noise.

The neat nickel-plated plug and vent provide a watertight joint, whilst complementing the superior finish.

To facilitate easy one off replacement, nickelplated brass extension pieces are also available, complete with sealing washer, in 20mm, 30mm and 40mm options.

Recommended height from the floor to the base of the radiator is 150 mm minimum. This allows adequate airflow when the radiator is placed on the bracket.

Water treatment

On completion of the installation, the system should be properly flushed and filled in accordance with the British Standard Code of Practice for the Treatment of Water in Domestic Hot Water Central Heating Systems BS 7593:2006.

This will remove flux residues and installation debris, which might promote corrosion and damage within the system.

If it is decided to apply a high performance corrosion inhibitor to maximise the working life of the system, it should be applied in accordance with the manufacturer's instructions and should be suitable for the particular metals within the system.

A comprehensive range of quality chemicals including inhibitors, cleaners, leak sealers and noise reducers that protect and maintain central heating systems can be obtained from:

Sentinel Performance Solutions Ltd
The Heath Business & Technical Park, Runcorn,
Cheshire WA7 4QX

Tel: 01928 588 330 (UK)

Fernox - Cookson Electronics,
Forsyth Road, Sheerwater, Woking,
Surrey GU21 5RZ

Tel: 01483 793200

For further information and advice call Technical Support on: 01482 498663.

Compact with Style

Its looks are stunning and out of all proportion to its price

The Stelrad Compact with Style bridges the gap between standard radiators and the more expensive decorative models.

If you are working to a tight budget but require a radiator that is different and can add a new dimension to a room, then you have found it with the Stelrad Compact with Style.

Stunning good looks are combined with the quality and performance you would expect from Stelrad, the UK's No.1 radiator manufacturer.

Eight height options for maximum application flexibility

There are 8 height options available from 200mm up to 2200mm.

There are 44 models in the standard range, with heights of 300mm, 500mm and 600mm and lengths from 400mm to 2000mm.

For applications where space is at a premium, there is a range of 24 vertical models with 4 heights from 1600mm to 2200mm, and a range of 8 Lo-line models with one height of 200mm and four lengths from 500mm to 2000mm.

With the Stelrad Compact with Style range, you should find a size and style to fit the most challenging application.

Top quality performance tested and guaranteed

Underneath the good looks is a radiator guaranteed to provide the superb performance you would expect from the market leader.

Strictly controlled independent laboratory testing ensures that all Stelrad radiators are guaranteed to perform to a maximum working pressure of 116 psi (8 bar), and conform to BS EN 442, the European Standard for radiators.

As a measure of the all round dependable quality and performance, the Stelrad Compact with Style comes complete with a 5 Year Warranty.



Stelrad Compact with Style

50 Δt

K1

P+

K2



Height	Length mm	Sections	Heat output		Heat output		Heat output	
			Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr
200	500	15	-	-	242	826	307	1047
	1000	30	-	-	483	1648	614	2095
	1400	42	-	-	676	2307	860	2934
	2000	60	-	-	966	3296	1228	4190
300	500	15	235	802	-	-	449	1532
	1000	30	469	1600	-	-	898	3064
	1400	42	658	2245	-	-	1257	4289
	2000	60	940	3207	-	-	1796	6128
500	400	12	298	1017	-	-	555	1894
	600	18	448	1529	-	-	833	2842
	800	24	597	2037	-	-	1110	3787
	1000	30	746	2545	-	-	1388	4736
	1200	36	895	3054	-	-	1666	5684
	1400	42	1044	3562	-	-	1943	6630
	1600	48	1194	4074	-	-	2221	7578
	1800	54	1343	4582	-	-	2498	8523
600	2000	60	1492	5091	-	-	2776	9472
	400	12	348	1187	-	-	640	2184
	600	18	522	1781	-	-	961	3279
	800	24	696	2375	-	-	1281	4371
	1000	30	870	2968	-	-	1601	5463
	1200	36	1044	3562	-	-	1921	6554
	1400	42	1218	4156	-	-	2241	7646
	1600	48	1392	4750	-	-	2562	8742
1800	54	1566	5343	-	-	2882	9833	
2000	60	1740	5937	-	-	3202	10925	

Stelrad Compact with Style

40 Δt

K1

P+

K2



Height	Length mm	Sections	Heat output		Heat output		Heat output	
			Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr
200	500	15	-	-	181	618	230	784
	1000	30	-	-	361	1233	459	1567
	1400	42	-	-	506	1725	643	2195
	2000	60	-	-	723	2465	919	3134
300	500	15	176	600	-	-	335	1148
	1000	30	351	1197	-	-	671	2291
	1400	42	491	1677	-	-	940	3208
	2000	60	702	2394	-	-	1343	4583
500	400	12	223	761	-	-	415	1416
	600	18	335	1143	-	-	623	2126
	800	24	447	1524	-	-	830	2833
	1000	30	558	1904	-	-	1038	3542
	1200	36	669	2284	-	-	1246	4252
	1400	42	781	2664	-	-	1453	4959
	1600	48	893	3047	-	-	1661	5668
	1800	54	1005	3428	-	-	1869	6375
600	2000	60	1116	3808	-	-	2076	7085
	400	12	260	888	-	-	479	1633
	600	18	390	1332	-	-	719	2453
	800	24	521	1776	-	-	958	3269
	1000	30	651	2220	-	-	1198	4086
	1200	36	781	2664	-	-	1437	4903
	1400	42	911	3109	-	-	1676	5719
	1600	48	1041	3553	-	-	1916	6539
1800	54	1171	3997	-	-	2156	7355	
2000	60	1302	4441	-	-	2395	8172	

Stelrad Compact with Style

30 Δt

K1

P+

K2



Height	Length mm	Sections	Heat output		Heat output		Heat output	
			Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr
200	500	15	-	-	125	425	158	539
	1000	30	-	-	249	849	316	1079
	1400	42	-	-	348	1188	443	1511
	2000	60	-	-	497	1697	632	2158
300	500	15	121	413	-	-	231	788
	1000	30	242	824	-	-	462	1577
	1400	42	338	1154	-	-	647	2208
	2000	60	483	1648	-	-	924	3155
500	400	12	153	524	-	-	286	975
	600	18	231	787	-	-	429	1464
	800	24	307	1049	-	-	572	1950
	1000	30	384	1311	-	-	715	2439
	1200	36	461	1573	-	-	858	2927
	1400	42	538	1834	-	-	1001	3414
	1600	48	615	2098	-	-	1144	3903
	1800	54	692	2360	-	-	1286	4389
600	2000	60	768	2622	-	-	1430	4878
	400	12	179	611	-	-	330	1125
	600	18	269	917	-	-	495	1689
	800	24	358	1223	-	-	660	2251
	1000	30	448	1529	-	-	825	2813
	1200	36	538	1834	-	-	989	3376
	1400	42	627	2140	-	-	1154	3938
	1600	48	717	2446	-	-	1319	4502
1800	54	806	2752	-	-	1484	5064	
2000	60	896	3057	-	-	1649	5626	

Stelrad Compact with Style

Weights & Measures

K1



P+



Height	Length		Wall to tap centre mm	Dry weight Kg	Water content Litres	Surface area m ² /m	Wall to tap centre mm	Dry weight Kg	Water content Litres	Surface area m ² /m
	mm	in								
200	500	19.7	-	-	-	-	Floor Standing	6.07	1.32	0.76
	1000	39.4	-	-	-	-	Floor Standing	12.14	2.64	1.51
	1400	55.1	-	-	-	-	Floor Standing	17.00	3.70	2.11
	2000	78.7	-	-	-	-	Floor Standing	24.28	5.28	3.02
300	500	19.7	54	7.07	0.91	1.05	-	-	-	-
	1000	39.4	54	14.13	1.81	2.09	-	-	-	-
	1400	55.1	54	19.78	2.53	2.93	-	-	-	-
	2000	78.7	54	28.86	3.62	4.18	-	-	-	-
500	400	15.7	54	8.09	1.11	1.52	-	-	-	-
	600	23.6	54	12.14	1.66	2.28	-	-	-	-
	800	31.5	54	16.18	2.21	3.04	-	-	-	-
	1000	39.4	54	20.23	2.77	3.80	-	-	-	-
600	1200	47.2	54	24.28	3.32	4.56	-	-	-	-
	1400	55.1	54	28.32	3.88	5.32	-	-	-	-
	1600	63.0	54	32.37	4.43	6.08	-	-	-	-
	1800	70.9	54	36.41	4.99	6.84	-	-	-	-
600	2000	78.7	54	40.46	5.54	7.60	-	-	-	-
	400	15.7	54	9.71	1.29	1.86	-	-	-	-
	600	23.6	54	14.56	1.94	2.80	-	-	-	-
	800	31.5	54	19.42	2.58	3.73	-	-	-	-
600	1000	39.4	54	24.27	3.23	4.66	-	-	-	-
	1200	47.2	54	29.12	3.88	5.59	-	-	-	-
	1400	55.1	54	33.98	4.52	6.52	-	-	-	-
	1600	63.0	54	38.83	5.17	7.46	-	-	-	-
600	1800	70.9	54	43.69	5.81	8.39	-	-	-	-
	2000	78.7	54	48.54	6.46	9.32	-	-	-	-

Weights & Measures

K2



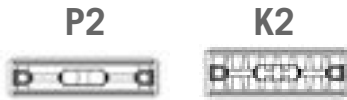
Height	Length		Wall to tap centre mm	Dry weight Kg	Water content Litres	Surface area m ² /m
	mm	in				
200	500	19.7	Floor Standing	6.58	1.35	1.05
	1000	39.4	Floor Standing	13.15	2.70	2.10
	1400	55.1	Floor Standing	18.41	3.78	2.94
	2000	78.7	Floor Standing	26.30	5.40	4.20
300	500	19.7	76	9.65	1.55	1.76
	1000	39.4	76	19.30	3.10	3.51
	1400	55.1	76	27.02	4.34	4.91
	2000	78.7	76	38.60	6.20	7.02
500	400	15.7	76	12.81	2.06	2.53
	600	23.6	76	19.21	3.10	3.80
	800	31.5	76	25.62	4.14	5.06
	1000	39.4	76	32.03	5.17	6.33
600	1200	47.2	76	38.44	6.20	7.60
	1400	55.1	76	44.84	7.24	8.86
	1600	63.0	76	51.25	8.27	10.13
	1800	70.9	76	57.65	9.31	11.39
600	2000	78.7	76	64.06	10.34	12.66
	400	15.7	76	15.36	2.48	3.10
	600	23.6	76	23.04	3.72	4.64
	800	31.5	76	30.72	4.96	6.19
600	1000	39.4	76	38.40	6.20	7.74
	1200	47.2	76	46.08	7.44	9.29
	1400	55.1	76	53.76	8.68	10.84
	1600	63.0	76	61.44	9.92	12.38
600	1800	70.9	76	69.12	11.16	13.93
	2000	78.7	76	76.80	12.40	15.48

EN 442 Certification Data – CETIAT tested in accordance with BS EN 442

Type	K1			P+	K2			
	300	500	600		200	300	500	600
Height	470	746	870	483	614	898	1388	1601
W/m at 75/65/20	1.26	1.28	1.28	1.31	1.29	1.30	1.31	1.31
Heated Surface Area (m ² /m)	2.09	3.80	4.66	1.51	2.10	3.51	6.33	7.74
Weight (kg/m)	14.13	20.23	24.27	12.14	13.15	19.30	32.03	38.40
Water Contents (l/m)	1.81	2.77	3.23	2.64	2.70	3.10	5.17	6.20

Stelrad Compact with Style Vertical

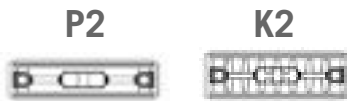
50 Δt



Height	Length mm	Sections	Heat output		Heat output	
			Watts	Btu/hr	Watts	Btu/hr
1600	300	9	693	2365	-	-
	500	15	1155	3941	-	-
	600	18	1386	4729	-	-
1800	300	9	760	2593	-	-
	400	12	-	-	1476	5036
	500	15	1266	4320	1845	6295
	600	18	1519	5183	2214	7554
2000	700	21	-	-	2583	8813
	300	9	824	2811	-	-
	400	12	-	-	1588	5405
	500	15	1374	4688	1980	6756
	600	18	1649	5626	2376	8107
2200	700	21	-	-	2772	9458
	300	9	887	3026	1269	4330
	400	12	-	-	1692	5773
	500	15	1479	5046	2115	7216
	600	18	1775	6056	2538	8660

Stelrad Compact with Style Vertical

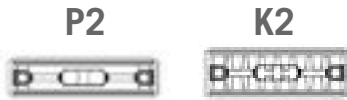
40 Δt



Height	Length mm	Sections	Heat output		Heat output	
			Watts	Btu/hr	Watts	Btu/hr
1600	300	9	518	1769	-	-
	500	15	863	2947	-	-
	600	18	1036	3537	-	-
1800	300	9	568	1940	-	-
	400	12	-	-	1104	3767
	500	15	947	3231	1380	4709
	600	18	1136	3877	1656	5651
2000	700	21	-	-	1932	6592
	300	9	616	2103	-	-
	400	12	-	-	1188	4043
	500	15	1028	3507	1481	5053
	600	18	1233	4210	1777	6064
2200	700	21	-	-	2073	7075
	300	9	663	2263	949	3239
	400	12	-	-	1266	4318
	500	15	1106	3774	1582	5398
	600	18	1328	4530	1898	6477

Stelrad Compact with Style Vertical

30_{Δt}



Height	Length mm	Sections	Heat output		Heat output	
			Watts	Btu/hr	Watts	Btu/hr
1600	300	9	356	1217	-	-
	500	15	594	2029	-	-
	600	18	713	2435	-	-
1800	300	9	391	1335	-	-
	400	12	-	-	760	2594
	500	15	652	2225	950	3242
	600	18	782	2669	1140	3890
2000	700	21	-	-	1330	4539
	300	9	424	1448	-	-
	400	12	-	-	818	2784
	500	15	708	2414	1020	3479
	600	18	849	2897	1224	4175
2200	700	21	-	-	1428	4871
	300	9	457	1558	654	2230
	400	12	-	-	871	2973
	500	15	762	2599	1089	3716
	600	18	914	3119	1307	4460

Weights & Measures



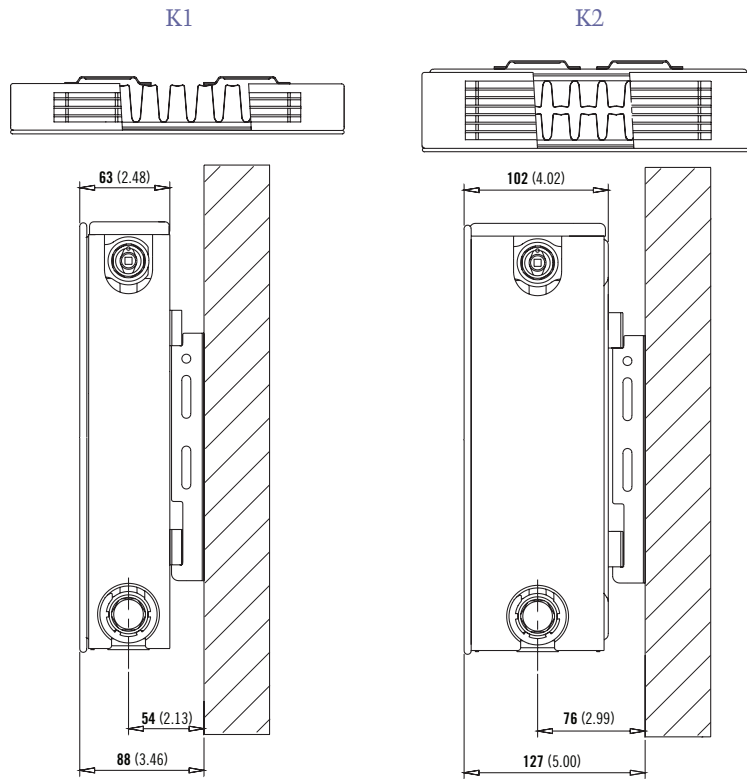
Height	Length		Wall to tap centre mm	Dry weight Kg	Water content Litres	Surface area m ² /m	Wall to tap centre mm	Dry weight Kg	Water content Litres	Surface area m ² /m
	mm	in								
1600	300	11.8	65	23.31	4.23	2.20	-	-	-	-
	500	19.7	65	38.85	7.05	3.67	-	-	-	-
	600	23.6	65	46.62	8.46	4.40	-	-	-	-
1800	300	11.8	65	26.01	4.86	2.48	-	-	-	-
	400	15.7	-	-	-	-	65	42.12	6.36	11.96
	500	19.7	65	43.35	8.10	4.13	65	52.65	7.95	14.95
	600	23.6	65	52.02	9.72	4.95	65	63.18	9.54	17.94
2000	700	27.6	-	-	-	-	65	73.71	11.13	20.93
	300	11.8	65	28.62	5.49	2.75	-	-	-	-
	400	15.7	-	-	-	-	65	46.58	7.08	15.10
	500	19.7	65	47.70	9.15	4.59	65	58.20	8.85	18.87
	600	23.6	65	57.24	10.98	5.50	65	69.84	10.62	22.64
2200	700	27.6	-	-	-	-	65	81.48	12.39	26.41
	300	11.8	65	31.68	6.03	3.02	65	37.98	6.03	11.58
	400	15.7	-	-	-	-	65	50.64	8.04	15.46
	500	19.7	65	52.80	10.05	5.05	65	63.30	10.05	19.30
	600	23.6	65	63.36	12.06	6.05	65	75.96	12.06	23.16

EN 442 Certification Data – CETIAT tested in accordance with BS EN 442

Type	P2				K2			
	1600	1800	2000	2200	1600	1800	2000	2200
Height	1600	1800	2000	2200	1600	1800	2000	2200
W/m at 75/65/20	2310	2532	2748	2958	3420	3690	3960	4230
n-coefficients	1.27	1.27	1.27	1.27	1.32	1.32	1.33	1.33
Heated Surface Area (m ² /m)	7.33	8.25	9.17	10.09	28.99	29.90	37.74	38.66
Weight (kg/m)	77.70	86.70	95.40	105.60	94.20	105.30	116.40	126.60
Water Contents (l/m)	14.10	16.20	18.30	20.10	14.10	15.90	17.70	20.10

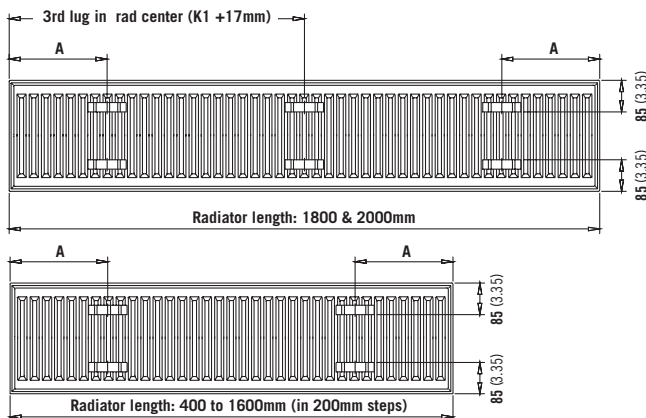
Compact with Style 300, 500 and 600 wall mounting information

All dimensions in mm. Inches in brackets.



K1 and K2 lug positions

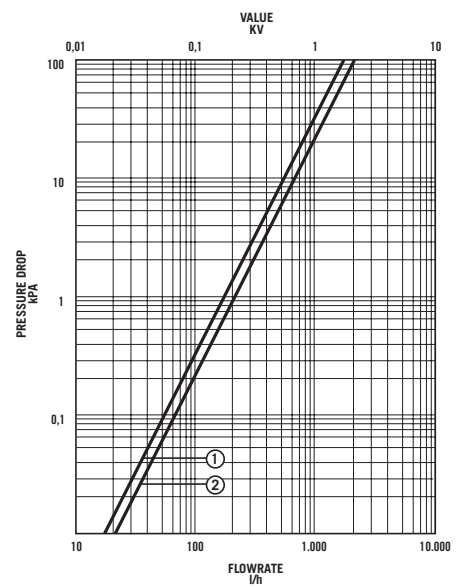
All dimensions in mm. Inches in brackets.



Length	K1		K2	
	mm	in	mm	in
400mm	117	4.61	133	5.24
500 - 1000mm	150	5.91	133	5.24
1200 - 1600mm	283	11.14	267	10.51
1800 - 2000mm	3rd lug in rad. centre*			

*K1 + 17mm

Pressure drops

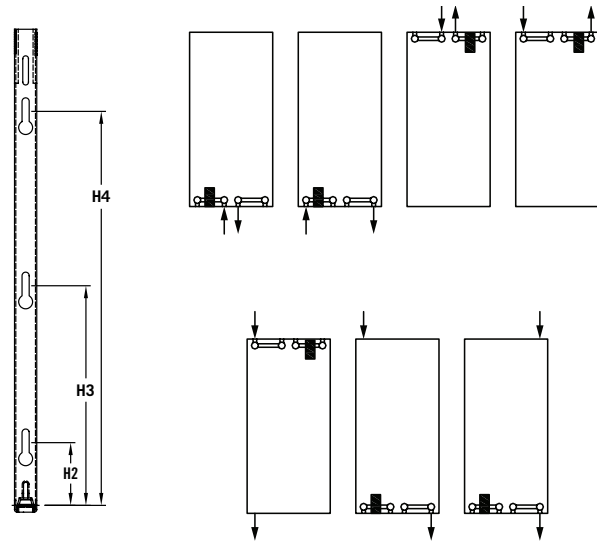


- ① Type 10 (P1), 11 (K1)
- ② Type 21 (P+), 22 (K2)

Compact with Style Vertical mounting brackets and piping options

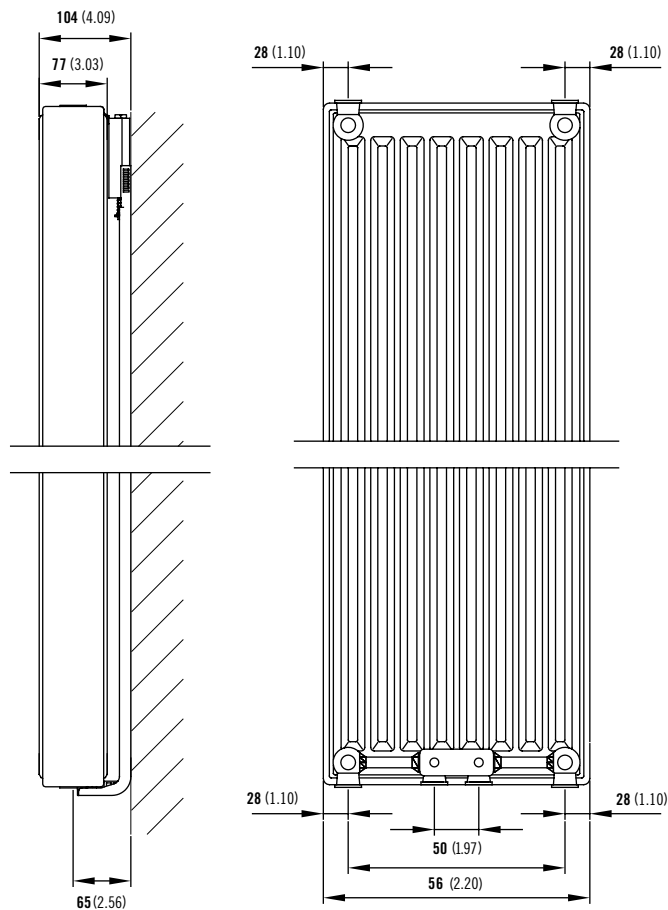
All dimensions in mm. Inches in brackets.

Height	H2		H3		H4	
	mm	in	mm	in	mm	in
1600	70	2.75	915	36.02	1415	55.71
1800	70	2.75	1115	43.89	1615	63.58
2000	70	2.75	1215	47.83	1815	71.46
2200	70	2.75	1315	51.77	2015	79.33



Compact with Style Vertical wall mounting information

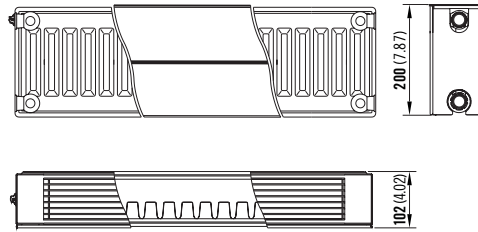
All dimensions in mm. Inches in brackets.



Compact with Style Lo-Line panel information

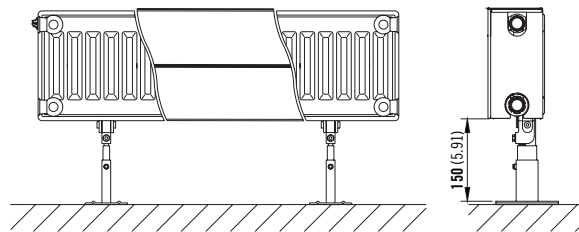
All dimensions in mm. Inches in brackets.

P+ and K2



Compact with Style Lo-Line floor mounting information

All dimensions in mm. Inches in brackets.



Compact with Style temperature table

TEMPERATURES

Factors for differences between mean water temperature and room temperature in °C and °F other than 50°C (90°F)

°C		°F	
5	0.050	10	0.057
10	0.123	20	0.142
15	0.209	30	0.240
20	0.304	40	0.348
25	0.406	50	0.466
30	0.515	60	0.590
35	0.629	70	0.721
40	0.748	80	0.858
45	0.872	90	1.000
50	1.000	100	1.147
55	1.132	110	1.298
60	1.267	120	1.454
65	1.406	130	1.613
70	1.549	140	1.776
75	1.694	-	-



STELRAD'S ADVANCED
HEATLOSS CALCULATOR

The Stelrad STARS Heatloss Calculator contains an inbuilt U value calculator.

Save time and effort by using the Stelrad STARS program – the perfect solution for accurate sizing and design flexibility.

For further information and advice call Technical Support on: 01482 498663.

Planar

Distinctive features with flexibility

With its flat, smooth front surface, complemented by elegant, integrated top grilles and side panels, the Stelrad Planar offers a stylish alternative for a multitude of applications.

The exceptionally slim profile and silk smooth surface add to the overall attractive appearance, providing an air of prestige which makes the Stelrad Planar the perfect choice for either domestic or commercial environments.

Elegance with imaginative construction

Supplied fully assembled, the Stelrad Planar radiator is easy to install.

Every model comes with a directional air vent to direct waterflow during venting, with convectors precision welded directly onto the waterways, to give greater efficiency and economy. In addition, all tappings are perfectly aligned, with best quality nickel-plated plugs and vents and the high definition pressings ensure smooth edges and corners.

Available with a choice of four heights and 74 models in the most popular sizes, the Planar range offers a wide range of outputs with outstanding heating performance.

Superb quality with pedigree

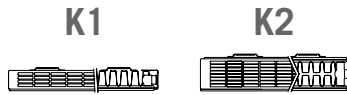
Manufactured by the UK market leader, under ISO 9000 quality system, the Stelrad Planar comes with an unequalled pedigree, strictly controlled independent laboratory testing ensuring that all Stelrad Planar radiators are guaranteed to perform to a maximum working pressure of 116 psi (8 bar) and conform to BS EN 442 - the European Standard for radiators.

The perfect solution for all prestigious heating applications, the Stelrad Planar comes complete with a 5 year Manufacturer's Warranty as a measure of the all round dependable quality and performance.



Stelrad Planar

50 Δt



Height	Length mm	Sections	Heat output		Heat output	
			Watts	Btu/hr	Watts	Btu/hr
300	500	15	235	802	465	1587
	1000	30	469	1600	929	3170
	1400	42	657	2242	1301	4439
	2000	60	938	3200	1858	6339
400	400	12	250	853	471	1607
	600	18	376	1283	706	2409
	800	24	501	1709	942	3214
	1000	30	626	2136	1177	4016
	1200	36	751	2562	1412	4818
	1400	42	876	2989	1648	5623
	1600	48	1002	3419	1883	6425
	1800	54	1127	3845	2119	7230
500	2000	60	1252	4272	2354	8032
	400	12	310	1058	564	1924
	600	18	464	1583	847	2890
	800	24	619	2112	1129	3852
	1000	30	774	2641	1411	4814
	1200	36	929	3170	1693	5777
	1400	42	1084	3699	1975	6739
	1600	48	1238	4224	2258	7704
600	1800	54	1393	4753	2540	8666
	2000	60	1548	5282	2822	9629
	400	12	364	1242	654	2231
	600	18	547	1866	980	3344
	800	24	729	2487	1307	4459
	1000	30	911	3108	1634	5575
	1200	36	1093	3729	1961	6691
	1400	42	1275	4350	2288	7807
1600	48	1458	4975	2614	8919	
1800	54	1640	5596	2941	10035	
2000	60	1822	6217	3268	11150	

40 Δt



30 Δt



Height	Length mm	Sections	Heat output		Heat output		Heat output		Heat output	
			Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr
300	500	15	176	600	348	1187	121	413	239	817
	1000	30	351	1197	695	2371	242	824	478	1632
	1400	42	491	1677	973	3320	338	1154	670	2286
	2000	60	702	2394	1390	4742	483	1648	957	3265
400	400	12	187	638	352	1202	129	439	243	828
	600	18	281	960	528	1802	194	661	364	1241
	800	24	375	1279	705	2404	258	880	485	1655
	1000	30	468	1598	880	3004	322	1100	606	2068
	1200	36	562	1917	1056	3604	387	1320	727	2481
	1400	42	655	2236	1233	4206	451	1539	849	2896
	1600	48	749	2557	1408	4806	516	1761	970	3309
	1800	54	843	2876	1585	5408	580	1980	1091	3723
2000	60	936	3195	1761	6008	645	2200	1212	4136	
500	400	12	232	791	422	1439	160	545	290	991
	600	18	347	1184	634	2162	239	815	436	1488
	800	24	463	1580	844	2881	319	1088	581	1984
	1000	30	579	1975	1055	3601	399	1360	727	2479
	1200	36	695	2371	1266	4321	478	1632	872	2975
	1400	42	811	2767	1477	5041	558	1905	1017	3470
	1600	48	926	3160	1689	5763	638	2175	1163	3968
	1800	54	1042	3555	1900	6483	717	2448	1308	4463
2000	60	1158	3951	2111	7202	797	2720	1453	4959	
600	400	12	272	929	489	1669	187	640	337	1149
	600	18	409	1396	733	2501	282	961	505	1722
	800	24	545	1861	978	3336	375	1281	673	2297
	1000	30	681	2325	1222	4170	469	1601	842	2871
	1200	36	818	2790	1467	5005	563	1921	1010	3446
	1400	42	954	3254	1711	5839	657	2240	1178	4020
	1600	48	1091	3721	1955	6671	751	2562	1346	4593
	1800	54	1227	4186	2200	7506	845	2882	1515	5168
2000	60	1363	4650	2444	8341	938	3202	1683	5742	

Stelrad Planar

Weights & Measures

K1



K2



Height	Length		Wall to tap centre mm	Dry weight Kg	Water content Litres	Surface area m ² /m	Wall to tap centre mm	Dry weight Kg	Water content Litres	Surface area m ² /m
	mm	in								
300	500	19.7	54	5.94	0.95	1.05	76	9.80	1.85	1.75
	1000	39.4	54	11.88	1.89	2.09	76	19.60	3.70	3.51
	1400	55.1	54	16.63	2.65	2.93	76	27.44	5.18	4.91
	2000	78.7	54	23.76	3.78	4.18	76	39.20	7.40	7.02
400	400	15.7	54	6.45	0.94	1.18	76	10.56	1.87	1.97
	600	23.6	54	9.68	1.40	1.77	76	15.84	2.80	2.95
	800	31.5	54	12.90	1.87	2.36	76	21.12	3.74	3.94
	1000	39.4	54	16.13	2.34	2.95	76	26.40	4.67	4.92
	1200	47.2	54	19.36	2.81	3.54	76	31.68	5.60	5.90
	1400	55.1	54	22.58	3.28	4.13	76	36.96	6.54	6.89
	1600	63.0	54	25.81	3.74	4.72	76	42.24	7.47	7.87
	1800	70.9	54	29.03	4.21	5.31	76	47.52	8.41	8.86
500	2000	78.7	54	32.36	4.68	5.90	76	52.80	9.34	9.84
	400	15.7	54	8.16	1.12	1.52	76	13.28	2.25	2.53
	600	23.6	54	12.23	1.68	2.28	76	19.92	3.38	3.80
	800	31.5	54	16.31	2.24	3.04	76	26.56	4.50	5.06
	1000	39.4	54	20.39	2.80	3.80	76	33.20	5.63	6.33
	1200	47.2	54	24.47	3.36	4.56	76	39.84	6.76	7.60
	1400	55.1	54	28.55	3.92	5.32	76	46.48	7.88	8.86
	1600	63.0	54	32.62	4.48	6.08	76	53.12	9.01	10.13
600	1800	70.9	54	36.70	5.04	6.84	76	59.76	10.13	11.39
	2000	78.7	54	40.78	5.60	7.60	76	66.40	11.26	12.66
	400	15.7	54	9.86	1.30	1.86	76	16.00	2.64	3.10
	600	23.6	54	14.79	1.95	2.80	76	24.00	3.96	4.64
	800	31.5	54	19.72	2.60	3.73	76	32.00	5.28	6.19
	1000	39.4	54	24.65	3.25	4.66	76	40.00	6.60	7.74
	1200	47.2	54	29.58	3.90	5.59	76	48.00	7.92	9.29
	1400	55.1	54	34.51	4.55	6.52	76	56.00	9.24	10.84
600	1600	63.0	54	39.44	5.20	7.46	76	64.00	10.56	12.38
	1800	70.9	54	44.37	5.85	8.39	76	72.00	11.88	13.93
	2000	78.7	54	49.30	6.50	9.32	76	80.00	13.20	15.48

EN 442 Certification Data – CETIAT tested in accordance with BS EN 442

Type	K1				K2			
	300	400	500	600	300	400	500	600
Height	300	400	500	600	300	400	500	600
W/m at 75/65/20	469	626	774	911	929	1177	1411	1634
n-coefficients	1.30	1.29	1.28	1.27	1.29	1.30	1.31	1.32
Heated Surface Area (m ² /m)	2.09	2.95	3.80	4.66	3.51	4.92	6.33	7.74
Weight (kg/m)	11.88	16.13	20.39	24.65	19.60	26.40	33.20	40.00
Water Contents (l/m)	1.89	2.34	2.80	3.25	3.70	4.67	5.63	6.60

Stelrad Planar Vertical



50 Δt

40 Δt

30 Δt

Height	Length mm	Sections	Heat output		Heat output		Heat output	
			Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr
1800	400	12	1476	5036	1104	3767	760	2594
	500	15	1845	6295	1380	4709	950	3242
	600	18	2214	7554	1656	5651	1140	3890
	700	21	2583	8813	1932	6592	1330	4539
2000	400	12	1584	5405	1185	4043	816	2783
	500	15	1980	6756	1481	5053	1020	3479
	600	18	2376	8107	1777	6064	1224	4175
	700	21	2772	9458	2073	7075	1428	4871
2200	400	12	1692	5773	1266	4318	871	2973
	500	15	2115	7216	1582	5398	1089	3716
	600	18	2538	8660	1898	6477	1307	4460
	700	21	2961	10103	2215	7557	1525	5203

Weights & Measures

K2



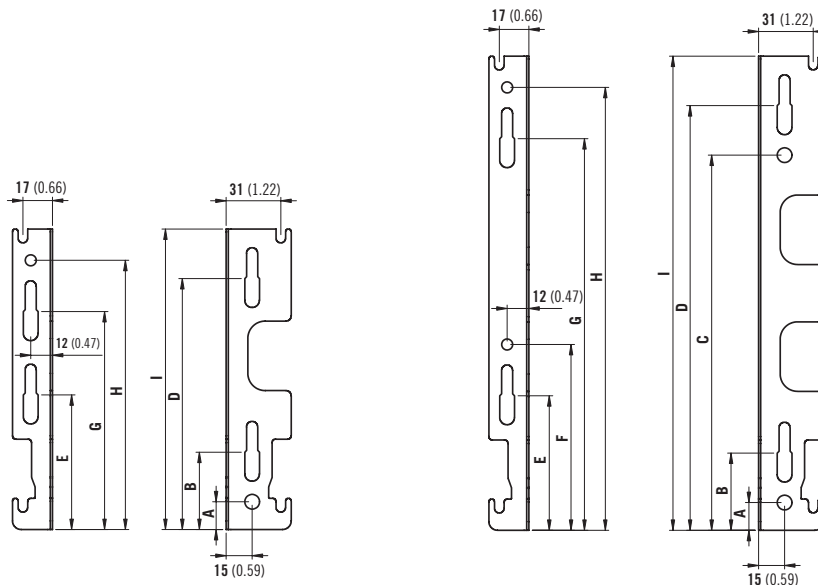
Height	Length		Wall to tap centre mm	Dry weight Kg	Water content Litres	Surface area m ² /m
	mm	in				
1800	400	15.7	65	42.12	6.36	11.96
	500	19.7	65	52.65	7.95	14.95
	600	23.6	65	63.18	9.54	17.94
	700	27.6	65	73.71	11.13	20.93
2000	400	15.7	65	46.56	7.08	15.10
	500	19.7	65	58.20	8.85	18.87
	600	23.6	65	69.84	10.62	22.64
	700	27.6	65	81.48	12.39	26.42
2200	400	15.7	65	50.64	8.04	15.46
	500	19.7	65	63.30	10.05	19.30
	600	23.6	65	75.96	12.06	23.16
	700	27.6	65	88.62	14.07	27.02

EN 442 Certification Data – CETIAT tested in accordance with BS EN 442

Type	K2		
	1800	2000	2200
Height	1800	2000	2200
W/m at 75/65/20	3690	3960	4230
n-coefficients	1.32	1.33	1.33
Heated Surface Area (m ² /m)	29.90	37.74	38.66
Weight (kg/m)	105.30	116.40	126.60
Water Contents (l/m)	15.90	17.70	20.10

Planar Horizontal mounting brackets

All dimensions in mm. Inches in brackets.



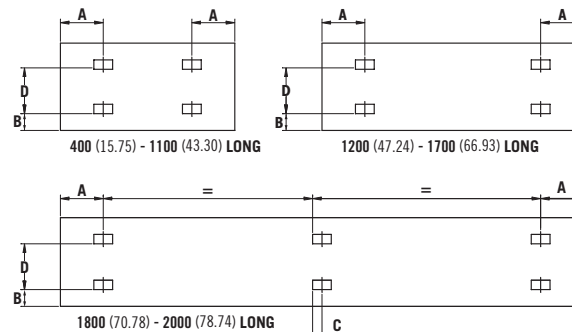
K1 and K2
(300mm)

K1 and K2
(400, 500 & 600mm)

Dimensions	mm	in	mm	in	mm	in	mm	in
	300	11.81	400	15.75	500	19.69	600	23.62
A	16	0.62	16	0.62	16	0.62	16	0.62
B	44	1.73	44	1.73	44	1.73	44	1.73
C	-	-	216	8.50	316	12.44	416	16.37
D	144	5.66	244	9.60	344	13.54	444	17.48
E	77	3.03	77	3.03	77	3.03	77	3.03
F	-	-	107	4.21	107	4.21	107	4.21
G	125	4.92	225	8.85	325	12.79	425	16.73
H	155	6.10	255	10.03	355	13.97	455	17.91
I	173	6.81	273	10.74	373	14.68	473	18.62

K1 and K2 lug positions

All dimensions in mm. Inches in brackets.



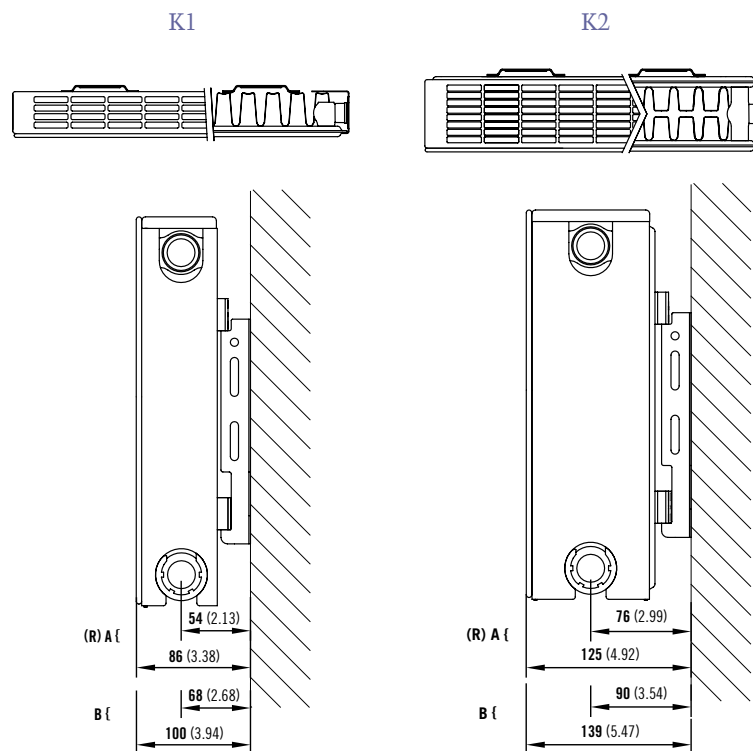
Dimensions	mm	in
A	400mm	117 4.61
A	500 - 1100mm	150 5.91
A	1200 - 2000mm	283 11.14
B	All	60 2.36
C	1800 - 3000mm	17 0.67

Dimensions	mm	in
A	400 - 1100mm	133 5.24
A	1200 - 2000mm	267 10.50
B	All	60 2.36

Panel Height	mm	in	mm	in
D	300	11.81	155	6.10
D	400	15.75	255	10.04
D	500	19.69	355	13.98
D	600	23.62	455	17.93

Planar wall mounting information

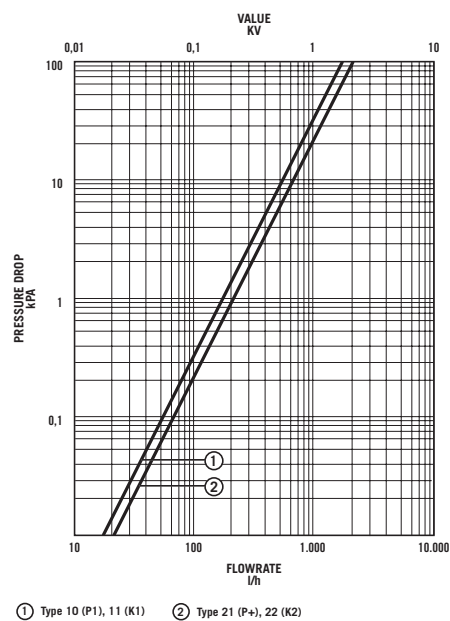
All dimensions in mm. Inches in brackets.



Planar bracket position

A = Closest to Wall B = Furthest from Wall (R) = Recommended Mounting Position

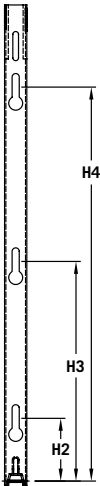
Pressure drops



Planar Vertical mounting brackets

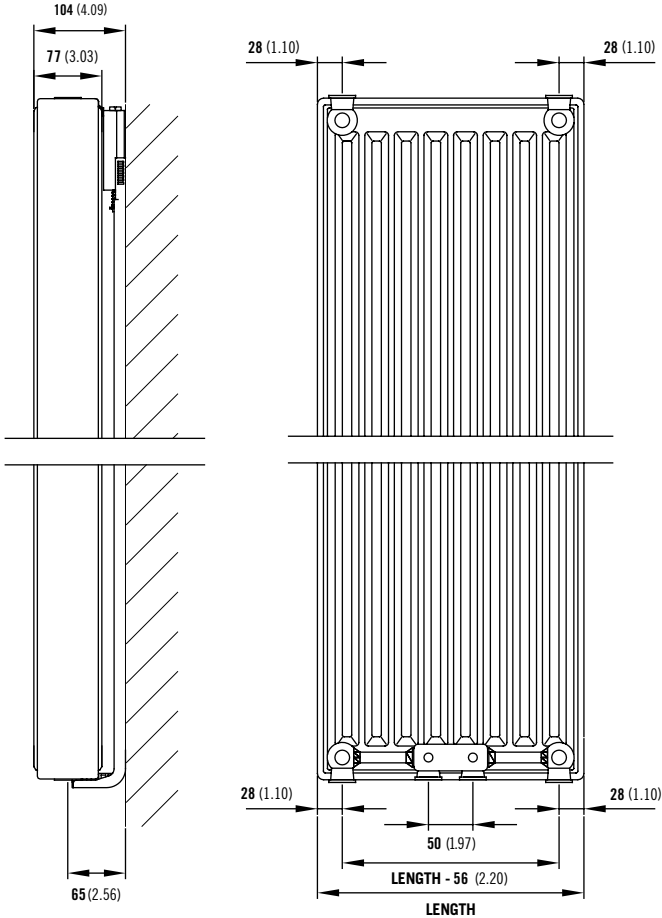
All dimensions in mm. Inches in brackets.

Height	H2		H3		H4		
	mm	in	mm	in	mm	in	
1800	70.87	70	2.75	1115	43.89	1615	63.58
2000	78.74	70	2.75	1215	47.83	1815	71.46
2200	86.61	70	2.75	1315	51.77	2015	79.33



Planar Vertical wall mounting information

All dimensions in mm. Inches in brackets.



Comes complete with Stelrad's class leading safety bracket.



Elegant top grilles and side panels.



Floor standing brackets provide a practical solution, where situations, such as floor to ceiling windows or tiled walls, create installation difficulties.



Robust, packaging protects the radiator during storage and transit.



All fixing requirements are complete within the packaging.



Optional extension pieces for easy replacement.



Optional 3/4 inch valve adaptor for connection without performance reduction.



The Stelrad STARS Heatloss Calculator contains an inbuilt U value calculator.

Save time and effort by using the Stelrad STARS program – the perfect solution for accurate sizing and design flexibility.

Planar temperature table

TEMPERATURES

Factors for differences between mean water temperature and room temperature in °C and °F other than 50°C (90°F)

°C		°F	
5	0.050	10	0.057
10	0.123	20	0.142
15	0.209	30	0.240
20	0.304	40	0.348
25	0.406	50	0.466
30	0.515	60	0.590
35	0.629	70	0.721
40	0.748	80	0.858
45	0.872	90	1.000
50	1.000	100	1.147
55	1.132	110	1.298
60	1.267	120	1.454
65	1.406	130	1.613
70	1.549	140	1.776
75	1.694	-	-

To apply the factors shown in the table above to our quoted outputs, multiply the quoted output by the chosen operating factor to give new output.

To apply the factor to required output, divide required output by factor to give correct radiator from the Stelrad Planar range.

Testing and operating pressures

All models are high pressure tested to withstand 152.3 psi (10.5 bar), to perform at a maximum working pressure of 116 psi (8 bar) at a maximum temperature of 95°C.

Connections

Each Stelrad Planar Horizontal radiator has 4 x 1/2 inch connections as standard. The Planar Vertical has 6 x 1/2 inch connections. There is also a 3/4 inch valve adaptor available, which provides a 3/4 inch connector option to the valve without reducing performance.

Applications

Planar radiators are suitable for two pipe installations. For single pipe applications, it is advisable to use diversion tees in the pipework, as this will assist in obtaining design performance from the radiators.

Although the Stelrad Planar is suitable for Microbore pipework, the back tappings make it unsuitable for twin entry valves.

Installation

Everything required for installation can be found within the robust packaging.

Brackets are of a strong design, with open top and deep slots, which facilitate easy and secure installation. Plastic inserts seat the radiator precisely on the bracket minimising expansion and contraction noise.

The neat nickel-plated plug and vent provide a watertight joint, whilst complementing the superior finish.

To facilitate easy one off replacement nickel-plated brass extension pieces are also available, complete with sealing washer, in 20mm, 30mm and 40mm options.

Recommended height from the floor to the base of the radiator is 150 mm minimum. This allows adequate airflow when the radiator is placed on the bracket.

Caution

When designing for domestic systems we recommend that the Stelrad Planar be used only in heating systems complying with British Standard Code of Practice for Central Heating for Domestic Premises BS EN 2828:2003 and BS EN 12831:2003.

Single feed, indirect cylinders are not recommended as should interchange of water occur, fresh aerated water would enter the heating system, resulting in corrosion.

Water treatment

On completion of the installation, the system should be properly flushed and filled in accordance with the British Standard Code of Practice for the Treatment of Water in Domestic Hot Water Central Heating Systems BS 7593:2006.

This will remove flux residues and installation debris, which might promote corrosion and damage within the system.

If it is decided to apply a high performance corrosion inhibitor to maximise the working life of the system, it should be applied in accordance with the manufacturer's instructions and should be suitable for the particular metals within the system.

A comprehensive range of quality chemicals including inhibitors, cleaners, leak sealers and noise reducers that protect and maintain central heating systems can be obtained from:

Sentinel Performance Solutions Ltd
The Heath Business & Technical Park, Runcorn,
Cheshire WA7 4QX

Tel: 01928 588 330 (UK)

Fernox - Cookson Electronics,
Forsyth Road, Sheerwater, Woking,
Surrey GU21 5RZ

Tel: 01483 793200

Two coat paint process

Each Stelrad Planar radiator is subjected to a multi stage cleaning process before the paint is applied.

This involves several rinsing stages, including an iron phosphate and demineralisation rinse.

The first coat of paint is applied by dipping and the radiator is then stoved and cooled. The second powder coat is applied and the radiator goes through a final curing stage. It is then allowed to cool prior to packaging.

Concord

Offering visual appeal combined with advanced technology, the Concord range of radiators provides a contemporary solution to a wide range of building applications. With a choice of four different types of radiator and a variety of sizes and outputs, Concord allows extensive flexibility of siting whilst breaking new barriers in heating efficiency.

Concord Plane

Constructed from slim flat tubes that lie horizontally, the Concord Plane offers a new vision for radiators. Available in 3 different heights with widths from 500mm to 3000mm, 102 models with outputs from 1304 Btu/hr 382 watts to 21,419 Btu/hr 6276 watts.

Concord Lo-Line

With only two panels this Lo-line model is a derivative of the standard, but offers efficiency of performance that belies its size. 16 models with 2 height and 8 width options and outputs from 1809 Btu/hr 530 watts to 8423 Btu/hr 2468 watts.

Concord Vertical

This resourceful alternative takes the same highly engineered tubes and turns technology on its head to provide a vertical model. 6 models with 2 height and 3 width options and outputs from 2662 Btu/hr 780 watts to 4949 Btu/hr 1450 watts.

Concord Slimline

With all the benefits of the vertical model, the Concord Slimline offers a subtle visual appeal by displaying the slim form of the tubes. 8 models with 2 height and 4 width options and outputs from 2976 Btu/hr 872 watts to 6675 Btu/hr 1956 watts.

Whatever your building specification, you can be sure that this advanced range of radiators will provide elegant visual style, combined with top quality engineering and performance.

Colours

RAL 7035		RAL 1004		RAL 6020		RAL 1013	
RAL 7038		RAL 2008		RAL 6012		RAL 1015	
RAL 7036		RAL 3017		RAL 6005		RAL 9002	
RAL 7030		RAL 3000		RAL 5014			
RAL 7037		RAL 3003		RAL 5022			
RAL 7015		RAL 3005		RAL 5024		Metallics	
RAL 9005		RAL 6027		RAL 5002		BR 0002	
RAL 8017		RAL 6034		RAL 5010		BR 0004	
RAL 1016		RAL 6019		RAL 9016		BR 0006	
RAL 1021		RAL 6033		RAL 9001		BR 0007	

The colours shown above are reproduced as accurately as this printing process will allow and are available to special order only on the these models. Specials are subject to a 50% restock fee if returned.



Stelrad Concord

50 Δt

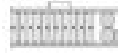
Lo-Line



Plane Single



Plane Double



Height	Length mm	Elements	Heat output		Heat output		Heat output		
			Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr	
144	800	2	530	1809	-	-	-	-	
	1000	2	663	2263	-	-	-	-	
	1200	2	796	2717	-	-	-	-	
	1400	2	928	3167	-	-	-	-	
	1600	2	1061	3621	-	-	-	-	
	1800	2	1193	4071	-	-	-	-	
	2000	2	1326	4525	-	-	-	-	
	2200	2	1459	4979	-	-	-	-	
	292	800	4	898	3065	-	-	-	-
		1000	4	1122	3829	-	-	-	-
1200		4	1346	4594	-	-	-	-	
1400		4	1571	5362	-	-	-	-	
1600		4	1795	6126	-	-	-	-	
1800		4	2020	6894	-	-	-	-	
2000		4	2244	7658	-	-	-	-	
2200		4	2468	8423	-	-	-	-	
440		500	6	-	-	382	1303	673	2296
		600	6	-	-	458	1563	808	2757
	700	6	-	-	535	1826	942	3214	
	800	6	-	-	611	2085	1077	3675	
	900	6	-	-	688	2348	1211	4132	
	1000	6	-	-	764	2607	1346	4593	
	1100	6	-	-	840	2867	1481	5053	
	1200	6	-	-	917	3130	1615	5512	
	1400	6	-	-	1070	3651	1884	6430	
	1600	6	-	-	1222	4170	2154	7351	
	1800	6	-	-	1375	4692	2423	8267	
	2000	6	-	-	1528	5215	2692	9187	
	2200	6	-	-	1681	5736	2961	10104	
	2400	6	-	-	1834	6258	3230	11023	
	2600	6	-	-	1986	6778	3500	11945	
	2800	6	-	-	2139	7298	3769	12863	
	3000	6	-	-	2292	7822	4038	13781	
	588	500	8	-	-	500	1706	827	2822
600		8	-	-	599	2044	992	3385	
700		8	-	-	699	2385	1158	3951	
800		8	-	-	799	2726	1323	4514	
900		8	-	-	899	3067	1489	5082	
1000		8	-	-	999	3409	1654	5643	
1100		8	-	-	1099	3750	1819	6206	
1200		8	-	-	1199	4091	1985	6773	
1400		8	-	-	1399	4775	2316	7902	
1600		8	-	-	1598	5454	2646	9028	
1800		8	-	-	1798	6135	2977	10158	
2000		8	-	-	1998	6819	3308	11287	
2200		8	-	-	2198	7500	3639	12416	
2400		8	-	-	2398	8182	3970	13549	
2600		8	-	-	2597	8863	4300	14672	
2800		8	-	-	2797	9546	4631	15801	
3000		8	-	-	2997	10226	4962	16934	
736		500	10	-	-	606	2068	1046	3569
	600	10	-	-	727	2481	1255	4282	
	700	10	-	-	848	2893	1464	4995	
	800	10	-	-	970	3310	1674	5712	
	900	10	-	-	1091	3722	1883	6425	
	1000	10	-	-	1212	4135	2092	7138	
	1100	10	-	-	1333	4548	2301	7851	
	1200	10	-	-	1454	4961	2510	8564	
	1400	10	-	-	1697	5792	2929	9994	
	1600	10	-	-	1939	6616	3347	11420	
	1800	10	-	-	2182	7447	3766	12850	
	2000	10	-	-	2424	8275	4184	14276	
	2200	10	-	-	2666	9099	4602	15702	
	2400	10	-	-	2909	9928	5021	17132	
	2600	10	-	-	3151	10754	5439	18558	
	2800	10	-	-	3394	11583	5858	19987	
	3000	10	-	-	3636	12409	6276	21419	

Stelrad Concord

40_{Δt}

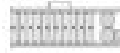
Lo-Line



Plane
Single



Plane
Double



Height	Length mm	Elements	Heat output		Heat output		Heat output		
			Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr	
144	800	2	396	1353	-	-	-	-	
	1000	2	496	1692	-	-	-	-	
	1200	2	595	2032	-	-	-	-	
	1400	2	694	2368	-	-	-	-	
	1600	2	794	2708	-	-	-	-	
	1800	2	892	3045	-	-	-	-	
	2000	2	992	3384	-	-	-	-	
	2200	2	1091	3724	-	-	-	-	
	292	800	4	672	2292	-	-	-	-
		1000	4	839	2864	-	-	-	-
1200		4	1007	3435	-	-	-	-	
1400		4	1175	4009	-	-	-	-	
1600		4	1343	4581	-	-	-	-	
1800		4	1511	5155	-	-	-	-	
2000		4	1679	5727	-	-	-	-	
2200		4	1846	6299	-	-	-	-	
440		500	6	-	-	286	975	503	1718
		600	6	-	-	343	1169	604	2062
	700	6	-	-	400	1365	705	2404	
	800	6	-	-	457	1559	806	2749	
	900	6	-	-	515	1756	906	3091	
	1000	6	-	-	571	1950	1007	3435	
	1100	6	-	-	628	2144	1108	3780	
	1200	6	-	-	686	2340	1208	4122	
	1400	6	-	-	800	2731	1409	4808	
	1600	6	-	-	914	3119	1611	5497	
	1800	6	-	-	1029	3510	1812	6184	
	2000	6	-	-	1143	3900	2014	6870	
	2200	6	-	-	1257	4290	2215	7557	
	2400	6	-	-	1372	4681	2416	8244	
	2600	6	-	-	1486	5069	2618	8933	
	2800	6	-	-	1600	5459	2819	9619	
	3000	6	-	-	1714	5850	3020	10306	
	588	500	8	-	-	374	1276	619	2111
600		8	-	-	448	1529	742	2532	
700		8	-	-	523	1784	866	2955	
800		8	-	-	598	2039	990	3377	
900		8	-	-	672	2294	1114	3800	
1000		8	-	-	747	2550	1237	4221	
1100		8	-	-	822	2805	1361	4642	
1200		8	-	-	897	3060	1485	5066	
1400		8	-	-	1046	3570	1732	5911	
1600		8	-	-	1195	4078	1979	6753	
1800		8	-	-	1345	4589	2227	7598	
2000		8	-	-	1495	5099	2474	8443	
2200		8	-	-	1644	5610	2722	9287	
2400		8	-	-	1794	6120	2970	10132	
2600		8	-	-	1943	6628	3216	10974	
2800		8	-	-	2092	7138	3464	11819	
3000		8	-	-	2242	7649	3712	12664	
736		500	10	-	-	453	1547	782	2670
	600	10	-	-	544	1855	939	3203	
	700	10	-	-	634	2164	1095	3736	
	800	10	-	-	726	2476	1252	4272	
	900	10	-	-	816	2784	1408	4806	
	1000	10	-	-	907	3093	1565	5339	
	1100	10	-	-	997	3402	1721	5873	
	1200	10	-	-	1088	3711	1877	6406	
	1400	10	-	-	1269	4331	2191	7475	
	1600	10	-	-	1450	4949	2504	8542	
	1800	10	-	-	1632	5569	2817	9611	
	2000	10	-	-	1813	6186	3130	10678	
	2200	10	-	-	1994	6804	3442	11745	
	2400	10	-	-	2176	7424	3756	12814	
	2600	10	-	-	2357	8042	4068	13881	
	2800	10	-	-	2539	8662	4382	14951	
	3000	10	-	-	2720	9280	4694	16017	

Stelrad Concord

30 Δt

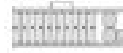
Lo-Line



Plane Single



Plane Double



Height	Length mm	Elements	Heat output		Heat output		Heat output	
			Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr
144	800	2	273	931	-	-	-	-
	1000	2	341	1165	-	-	-	-
	1200	2	410	1399	-	-	-	-
	1400	2	478	1631	-	-	-	-
	1600	2	546	1864	-	-	-	-
	1800	2	614	2096	-	-	-	-
	2000	2	683	2330	-	-	-	-
	2200	2	751	2564	-	-	-	-
292	800	4	462	1578	-	-	-	-
	1000	4	578	1972	-	-	-	-
	1200	4	693	2365	-	-	-	-
	1400	4	809	2761	-	-	-	-
	1600	4	924	3154	-	-	-	-
	1800	4	1040	3550	-	-	-	-
	2000	4	1156	3943	-	-	-	-
	2200	4	1271	4337	-	-	-	-
440	500	6	-	-	197	671	347	1183
	600	6	-	-	236	805	416	1420
	700	6	-	-	276	940	485	1655
	800	6	-	-	315	1074	555	1892
	900	6	-	-	354	1209	624	2128
	1000	6	-	-	393	1342	693	2365
	1100	6	-	-	433	1476	763	2602
	1200	6	-	-	472	1611	832	2838
	1400	6	-	-	551	1880	970	3311
	1600	6	-	-	629	2147	1109	3785
	1800	6	-	-	708	2416	1248	4258
	2000	6	-	-	787	2685	1386	4730
	2200	6	-	-	866	2954	1525	5203
	2400	6	-	-	945	3223	1663	5676
	2600	6	-	-	1023	3490	1803	6150
	2800	6	-	-	1102	3759	1941	6623
3000	6	-	-	1180	4027	2080	7095	
588	500	8	-	-	258	879	426	1453
	600	8	-	-	308	1053	511	1743
	700	8	-	-	360	1228	596	2035
	800	8	-	-	411	1404	681	2325
	900	8	-	-	463	1580	767	2616
	1000	8	-	-	514	1755	852	2906
	1100	8	-	-	566	1931	937	3196
	1200	8	-	-	617	2107	1022	3488
	1400	8	-	-	720	2458	1193	4070
	1600	8	-	-	823	2808	1363	4649
	1800	8	-	-	926	3159	1533	5231
	2000	8	-	-	1029	3511	1704	5813
	2200	8	-	-	1132	3862	1874	6394
	2400	8	-	-	1235	4214	2045	6976
	2600	8	-	-	1337	4563	2215	7556
	2800	8	-	-	1440	4915	2385	8138
3000	8	-	-	1543	5266	2555	8719	
736	500	10	-	-	312	1065	539	1838
	600	10	-	-	374	1277	646	2205
	700	10	-	-	437	1490	754	2573
	800	10	-	-	500	1704	862	2942
	900	10	-	-	562	1917	970	3309
	1000	10	-	-	624	2130	1077	3676
	1100	10	-	-	686	2342	1185	4043
	1200	10	-	-	749	2555	1293	4411
	1400	10	-	-	874	2982	1508	5147
	1600	10	-	-	999	3407	1724	5881
	1800	10	-	-	1124	3834	1939	6618
	2000	10	-	-	1248	4259	2155	7352
	2200	10	-	-	1373	4685	2370	8087
	2400	10	-	-	1498	5112	2586	8823
	2600	10	-	-	1623	5537	2801	9557
	2800	10	-	-	1748	5964	3017	10294
3000	10	-	-	1873	6389	3232	11028	

Stelrad Concord

Weights & Measures

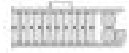
Lo-Line



Plane Single



Plane Double



Height	Length mm	in	Tap centre mm	Dry weight Kg	Water content Litres	Surface area m ² /m	Dry weight Kg	Water content Litres	Surface area m ² /m	Dry weight Kg	Water content Litres	Surface area m ² /m
144	800	31.5	812	10.10	1.42	NA	-	-	-	-	-	-
	1000	39.4	1012	12.57	1.77	NA	-	-	-	-	-	-
	1200	47.2	1212	15.10	2.12	NA	-	-	-	-	-	-
	1400	55.1	1412	17.59	2.47	NA	-	-	-	-	-	-
	1600	63.0	1612	20.11	2.83	NA	-	-	-	-	-	-
	1800	70.9	1812	22.62	3.18	NA	-	-	-	-	-	-
	2000	78.7	2012	25.14	3.54	NA	-	-	-	-	-	-
	2200	86.6	2212	27.65	3.89	NA	-	-	-	-	-	-
292	800	31.5	812	20.04	2.86	NA	-	-	-	-	-	-
	1000	39.4	1012	25.05	3.57	NA	-	-	-	-	-	-
	1200	47.2	1212	30.06	4.28	NA	-	-	-	-	-	-
	1400	55.1	1412	35.07	4.99	NA	-	-	-	-	-	-
	1600	63.0	1612	40.08	5.71	NA	-	-	-	-	-	-
	1800	70.9	1812	45.09	6.42	NA	-	-	-	-	-	-
	2000	78.7	2012	50.10	7.14	NA	-	-	-	-	-	-
	2200	86.6	2212	55.11	7.85	NA	-	-	-	-	-	-
440	500	19.7	512	-	-	-	9.12	1.34	NA	16.40	2.66	NA
	600	23.6	612	-	-	-	10.93	1.60	NA	19.67	3.19	NA
	700	27.6	712	-	-	-	12.76	1.88	NA	22.95	3.72	NA
	800	31.5	812	-	-	-	14.58	2.14	NA	26.23	4.25	NA
	900	35.4	912	-	-	-	16.41	2.41	NA	29.51	4.78	NA
	1000	39.4	1012	-	-	-	18.23	2.68	NA	32.79	5.31	NA
	1100	43.3	1112	-	-	-	20.05	2.95	NA	36.07	5.84	NA
	1200	47.2	1212	-	-	-	21.88	3.22	NA	39.35	6.37	NA
	1400	55.1	1412	-	-	-	25.52	3.75	NA	45.91	7.43	NA
	1600	63.0	1612	-	-	-	29.17	4.29	NA	52.46	8.50	NA
	1800	70.9	1812	-	-	-	32.81	4.82	NA	59.02	9.56	NA
	2000	78.7	2012	-	-	-	36.46	5.36	NA	65.58	10.62	NA
	2200	86.6	2212	-	-	-	40.11	5.90	NA	72.14	11.68	NA
	2400	94.5	2412	-	-	-	43.75	6.42	NA	78.70	12.74	NA
	2600	102.4	2612	-	-	-	47.40	6.97	NA	85.25	13.81	NA
	2800	110.2	2812	-	-	-	51.04	7.50	NA	91.81	14.87	NA
3000	118.1	3012	-	-	-	54.96	8.04	NA	98.37	15.93	NA	
588	500	19.7	512	-	-	-	12.51	1.77	NA	22.51	3.55	NA
	600	23.6	612	-	-	-	15.00	2.12	NA	27.01	4.25	NA
	700	27.6	712	-	-	-	17.51	2.48	NA	31.51	4.96	NA
	800	31.5	812	-	-	-	20.00	2.83	NA	36.01	5.67	NA
	900	35.4	912	-	-	-	22.51	3.19	NA	40.51	6.38	NA
	1000	39.4	1012	-	-	-	25.01	3.54	NA	45.01	7.09	NA
	1100	43.3	1112	-	-	-	27.51	3.89	NA	49.51	7.80	NA
	1200	47.2	1212	-	-	-	30.01	4.25	NA	54.01	8.51	NA
	1400	55.1	1412	-	-	-	35.01	4.96	NA	63.01	9.93	NA
	1600	63.0	1612	-	-	-	40.02	5.66	NA	72.02	11.34	NA
	1800	70.9	1812	-	-	-	45.02	6.37	NA	81.02	12.76	NA
	2000	78.7	2012	-	-	-	50.02	7.08	NA	90.02	14.18	NA
	2200	86.6	2212	-	-	-	55.02	7.79	NA	99.02	15.60	NA
	2400	94.5	2412	-	-	-	60.02	8.50	NA	108.02	17.02	NA
	2600	102.4	2612	-	-	-	65.03	9.20	NA	117.03	18.43	NA
	2800	110.2	2812	-	-	-	70.03	9.91	NA	126.03	19.85	NA
3000	118.1	3012	-	-	-	75.03	10.62	NA	135.03	21.27	NA	
736	500	19.7	512	-	-	-	15.99	2.22	NA	28.72	4.43	NA
	600	23.6	612	-	-	-	19.19	2.66	NA	34.46	5.32	NA
	700	27.6	712	-	-	-	22.39	3.10	NA	40.21	6.20	NA
	800	31.5	812	-	-	-	25.58	3.54	NA	45.95	7.09	NA
	900	35.4	912	-	-	-	28.78	3.99	NA	51.70	7.97	NA
	1000	39.4	1012	-	-	-	31.98	4.43	NA	57.44	8.86	NA
	1100	43.3	1112	-	-	-	35.18	4.87	NA	63.18	9.75	NA
	1200	47.2	1212	-	-	-	38.38	5.32	NA	68.93	10.63	NA
	1400	55.1	1412	-	-	-	44.77	6.20	NA	80.42	12.40	NA
	1600	63.0	1612	-	-	-	51.17	7.09	NA	91.90	14.18	NA
	1800	70.9	1812	-	-	-	57.56	7.97	NA	103.39	15.95	NA
	2000	78.7	2012	-	-	-	63.96	8.86	NA	114.88	17.72	NA
	2200	86.6	2212	-	-	-	70.36	9.75	NA	126.37	19.49	NA
	2400	94.5	2412	-	-	-	76.75	10.63	NA	137.86	21.26	NA
	2600	102.4	2612	-	-	-	83.15	11.52	NA	149.34	23.04	NA
	2800	110.2	2812	-	-	-	89.54	12.40	NA	160.83	24.81	NA
3000	118.1	3012	-	-	-	95.94	13.29	NA	172.32	26.58	NA	

Stelrad Concord

Vertical 50 Δt 40 Δt 30 Δt

Height	Length mm	Elements	Heat output		Heat output		Heat output	
			Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr
1800	440	6	780	2661	583	1991	402	1371
	588	8	1040	3548	778	2654	536	1827
	736	10	1300	4436	972	3318	670	2284
2000	440	6	870	2968	651	2220	448	1529
	588	8	1160	3958	868	2961	597	2038
	736	10	1450	4947	1085	3701	747	2548

Weights & Measures Vertical

Height	Length		Tap centre mm	Dry weight Kg	Water content Litres	Surface area m ² /m
	mm	in				
1800	440	17.3	440	19.86	4.26	NA
	588	23.1	588	26.48	5.68	NA
	736	28.9	736	33.10	7.10	NA
2000	440	17.3	440	21.90	4.68	NA
	588	23.1	588	29.20	6.24	NA
	736	28.9	736	36.50	7.80	NA

Stelrad Concord

Slimline 50 Δt 40 Δt 30 Δt

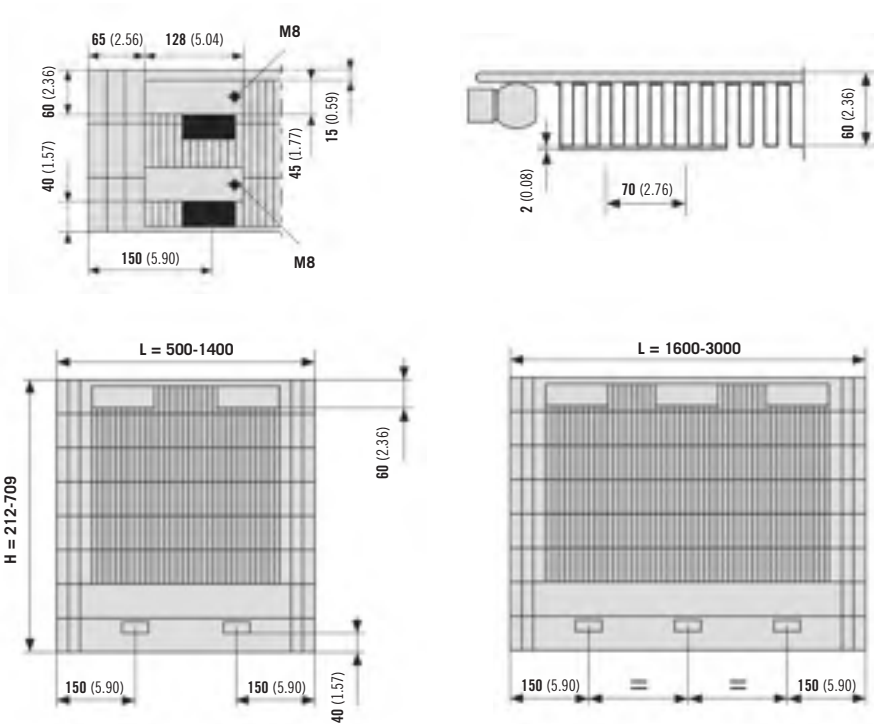
Height	Length mm	Elements	Heat output		Heat output		Heat output	
			Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr
1800	320	8	872	2975	652	2225	449	1532
	440	11	1199	4091	897	3060	617	2107
	520	13	1417	4835	1060	3616	730	2490
	640	16	1744	5951	1305	4451	898	3065
2000	320	8	978	3337	732	2496	504	1719
	440	11	1344	4586	1005	3430	692	2362
	520	13	1589	5422	1189	4055	818	2792
	640	16	1956	6674	1463	4992	1007	3437

Weights & Measures Slimline

Height	Length		Tap centre mm	Dry weight Kg	Water content Litres	Surface area m ² /m
	mm	in				
1800	320	12.5	320	24.90	5.60	NA
	440	17.3	440	34.23	7.70	NA
	520	20.4	520	40.47	9.10	NA
	640	25.1	640	49.81	11.20	NA
2000	320	12.5	320	25.12	6.16	NA
	440	17.3	440	34.54	8.47	NA
	520	20.4	520	40.82	10.01	NA
	640	25.1	640	50.24	12.32	NA

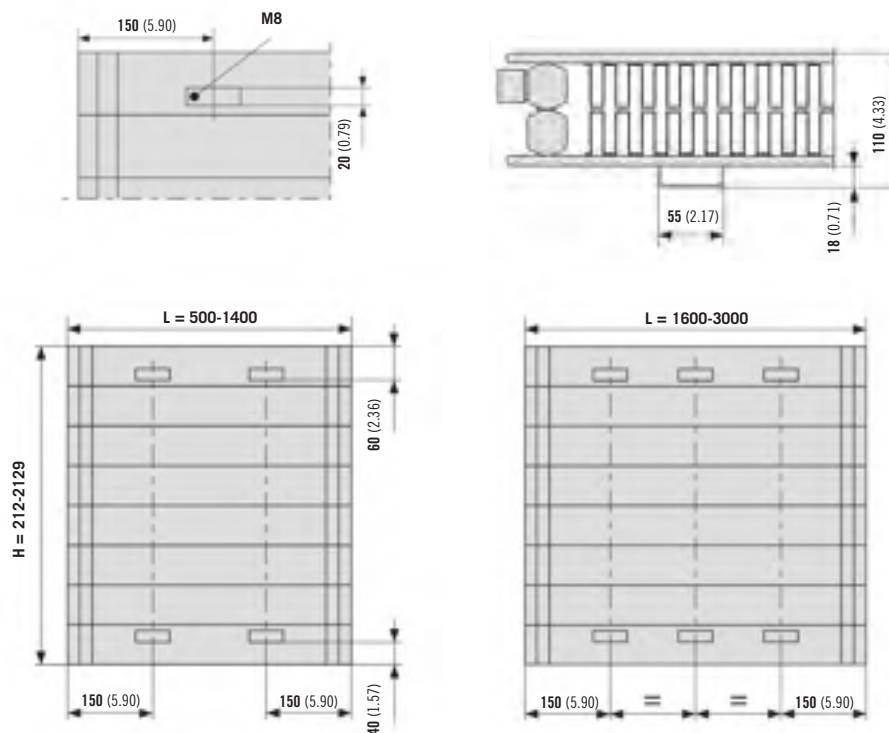
Concord Plane Single fixing positions

All dimensions in mm. Inches in brackets.



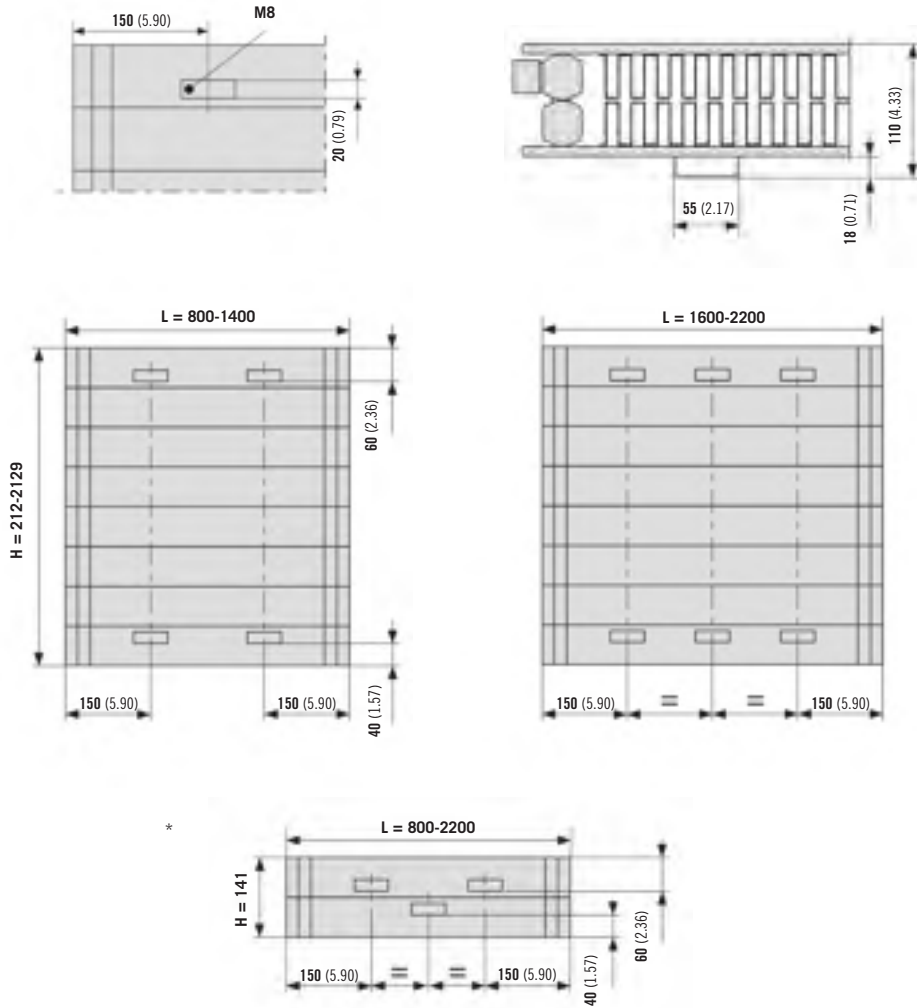
Concord Plane Double fixing positions

All dimensions in mm. Inches in brackets.



Concord Lo-Line fixing positions

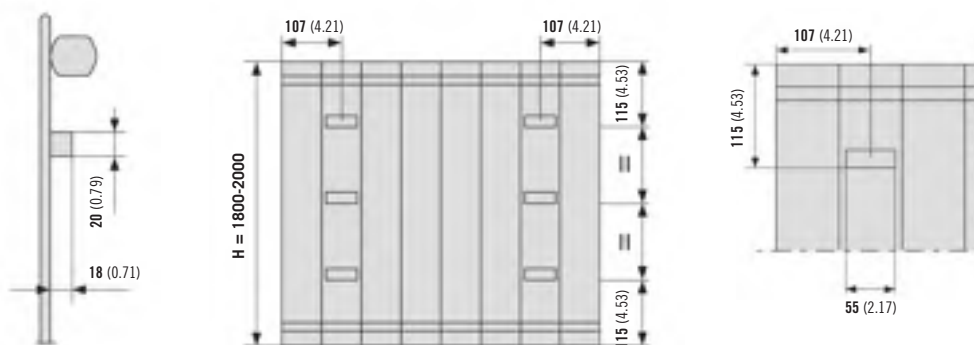
All dimensions in mm. Inches in brackets.



*Welded-on foot supports recommended

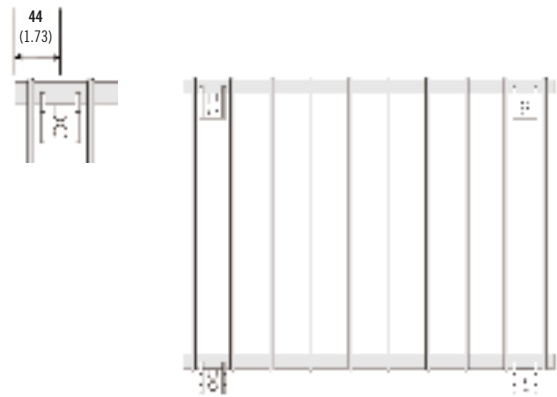
Concord Vertical fixing positions

All dimensions in mm. Inches in brackets.



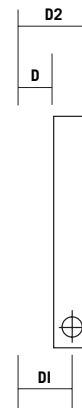
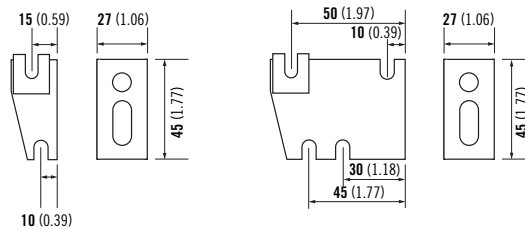
Concord Slimline fixing positions

All dimensions in mm. Inches in brackets.



Concord Plane Single, Concord Plane Double, Concord Lo-Line and Concord Vertical wall mounting information

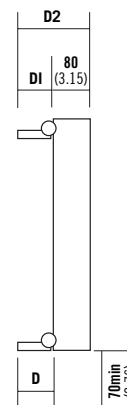
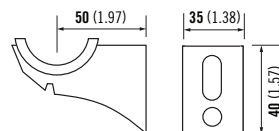
All dimensions in mm. Inches in brackets.



Type	From back of radiator to wall D		From wall to centre of connections D1		From front of radiator to wall D	
	mm	in	mm	in	mm	in
Plane Single	9	0.35	44	1.73	69	2.72
Plane Double	27	1.06	94	3.70	119	4.69
Vertical	25	0.98	44	1.73	70	2.76

Concord Slimline wall mounting information

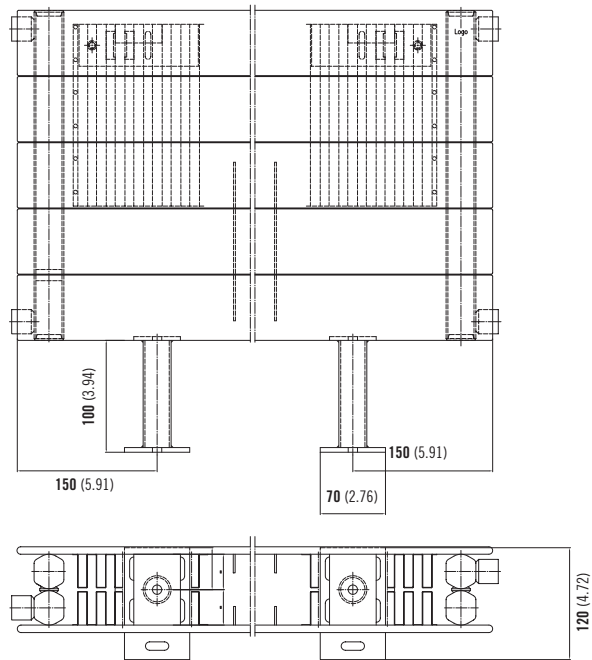
All dimensions in mm. Inches in brackets.



Type	Back face to finished wall D		Connection centres from finished wall D1		Front face from finished wall D2	
	mm	in	mm	in	mm	in
Slimline	35	1.38	50	1.97	130	5.12

Concord feet fixing positions

All dimensions in mm. Inches in brackets. Feet must be specified at time of ordering as they are securely welded during manufacture.



Floor mounting feet.



Optional extension pieces for easy replacement.



Optional 3/4 inch valve adaptor for connection without performance reduction.



The Stelrad STARS Heatloss Calculator contains an inbuilt U value calculator.

Save time and effort by using the Stelrad STARS program – the perfect solution for accurate sizing and design flexibility.

Concord temperature table

TEMPERATURES

Factors for differences between mean water temperature and room temperature in °C and °F other than 50°C (90°F)

°C		°F	
5	0.050	10	0.057
10	0.123	20	0.142
15	0.209	30	0.240
20	0.304	40	0.348
25	0.406	50	0.466
30	0.515	60	0.590
35	0.629	70	0.721
40	0.748	80	0.858
45	0.872	90	1.000
50	1.000	100	1.147
55	1.132	110	1.298
60	1.267	120	1.454
65	1.406	130	1.613
70	1.549	140	1.776
75	1.694	-	-

To apply the factors shown in the table below to our quoted outputs, multiply the quoted output by the chosen operating factor to give new output.

To apply the factor to required output, divide required output by factor to give correct radiator from the Stelrad Concord range.

General

The Stelrad Concord Plane and Lo-line radiators consist of flat oval precision tubes, pressure welded with a four mm air gap to symmetric water channels. The same precision tubes are used on the vertical and slimline models, however the creative use of the tubes to display the slim face on the slimline model offers additional visual appeal.

Connections

2 x 15mm connections BOE are fitted as standard. 4 x 15mm connections are available as an optional extra, prices available on request.

Testing and operating pressures

All models are high pressure tested to 6 bar with a maximum working pressure of 4.6 bar.

Materials used

Flat oval steel tubes 70mm x 8mm. Water channel tubing 37mm x 32mm.

Water Treatment

On completion of the installation, the system should be properly flushed and filled in accordance with the British Standard Code of Practice for the Treatment of Water in Domestic Hot Water Central Heating Systems BS 7593:2006.

This will remove flux residues and installation debris, which might promote corrosion and damage within the system.

If it is decided to apply a high performance corrosion inhibitor to maximise the working life of the system, it should be applied in accordance with the manufacturer's instructions and should be suitable for the particular metals within the system.

A comprehensive range of quality chemicals including inhibitors, cleaners, leak sealers and noise reducers that protect and maintain central heating systems can be obtained from:

Sentinel Performance Solutions Ltd
The Heath Business & Technical Park, Runcorn,
Cheshire WA7 4QX

Tel: 01928 588 330 (UK)

Fernox - Cookson Electronics,
Forsyth Road, Sheerwater, Woking,
Surrey GU21 5RZ

Tel: 01483 793200

Colours

The Stelrad Concord range colour is standard in RAL 9016 pure white. All models are available in a choice of 34 RAL colours and 4 metallic colours to special order.

Warranty

As a measure of the all round dependable quality and performance the Stelrad Concord range comes complete with a 5 year Manufacturer's Warranty.

For further information and advice call Technical Support on: 01482 498663.

Caliente

The high output tubular radiator

- Stylish tube on tube design with Stelrad's class-leading availability
- Vertical, horizontal, single and double tube versions
- Available in three heights and a variety of widths
- Range of 15 models
- High quality construction and paint finish rounded edges
- Available in white (RAL 9016) only



Stelrad Caliente Vertical

50 Δt

Single Tube

Double Tube

Height	Length mm	Elements	Heat output		Heat output	
			Watts	Btu/hr	Watts	Btu/hr
1200	330	10	485	1655	-	-
	495	15	727	2481	-	-
1800	330	10	702	2395	-	-
	429	13	912	3112	-	-
	495	15	-	-	1590	5425
	528	16	1123	3832	-	-
	660	20	1404	4790	2120	7233
	726	22	1544	5268	-	-

40 Δt

Single Tube

Double Tube

30 Δt

Single Tube

Double Tube

Height	Length mm	Elements	Heat output		Heat output		Heat output		Heat output	
			Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr
1200	330	10	281	1238	-	-	250	852	-	-
	495	15	421	1855	-	-	374	1277	-	-
1800	330	10	406	1792	-	-	362	1234	-	-
	429	13	528	2328	-	-	470	1603	-	-
	495	15	-	-	920	4058	-	-	819	2794
	528	16	650	2866	-	-	578	1973	-	-
	660	20	812	3583	1226	5411	723	2467	1092	3725
	726	22	893	3941	-	-	795	2713	-	-

Weights & Measures

Single Tube

Double Tube

Height	Length		Dry weight Kg	Water content Litres	Dry weight Kg	Water content Litres
	mm	in				
1200	330	11.8	183	3.50	-	-
	495	19.4	267	5.25	-	-
1800	330	12.9	253	5.00	-	-
	429	16.8	324	6.50	-	-
	495	19.4	-	-	356	13.95
	528	20.7	396	8.00	-	-
	660	25.9	258	10.00	423	18.60
	726	28.5	282	11.00	-	-

Stelrad Caliente Horizontal

50 Δt

Single Tube

Double Tube

Height	Length mm	Elements	Heat output		Heat output	
			Watts	Btu/hr	Watts	Btu/hr
594	800	18	626	2136	969	3306
	1000	18	782	2668	1211	4132
	1200	18	938	3200	-	-
	1400	18	1095	3736	-	-

40 Δt

Single Tube

Double Tube

30 Δt

Single Tube

Double Tube

Height	Length mm	Elements	Heat output		Heat output		Heat output		Heat output	
			Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr
594	800	18	468	1598	724	2473	322	1100	499	1703
	1000	18	584	1996	905	3091	403	1374	624	2128
	1200	18	701	2394	-	-	483	1648	-	-
	1400	18	819	2795	-	-	564	1924	-	-

Weights & Measures

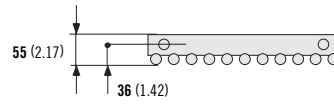
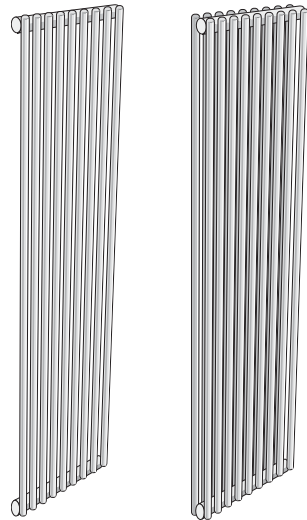
Single Tube

Double Tube

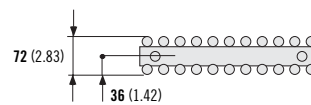
Height	Length		Dry weight Kg	Water content Litres	Dry weight Kg	Water content Litres
	mm	in				
594	800	31.4	231	4.39	213	9.98
	1000	39.3	274	5.49	254	12.47
	1200	47.2	317	6.59	-	-
	1400	55.1	357	7.69	-	-

Caliente wall mounting information

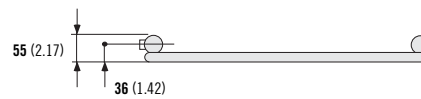
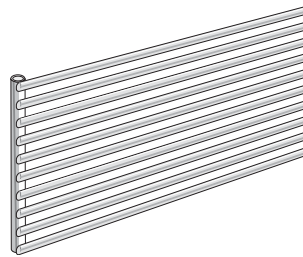
All dimensions in mm. Inches in brackets.



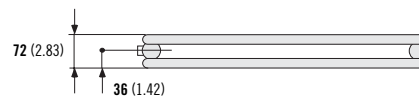
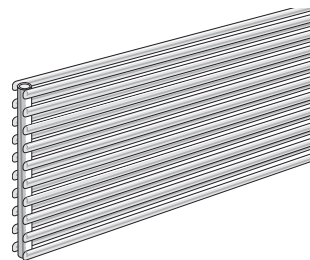
Single-row assembly



double-row assembly



Single-row assembly



double-row assembly

Product Specification

Tube diameter = $\varnothing 20\text{mm}$ and $\varnothing 38\text{mm}$
Steel thickness = 1.25mm for $\varnothing 20$; 1.4mm for $\varnothing 38$
Working pressure = 4 bar
Operating temp = 110° max



STELRAD'S ADVANCED
HEATLOSS CALCULATOR

The Stelrad STARS Heatloss Calculator contains an inbuilt U value calculator.

Save time and effort by using the Stelrad STARS program – the perfect solution for accurate sizing and design flexibility.

For further information and advice call Technical Support on: 01482 498663.

Classic Column

At home in either traditional or modern environments

With a progressive approach to classic design, this steel Column radiator can complement the most contemporary of warehouse conversions, provide compatibility with period refurbishment, or add style to the most modern of new building designs. The standard model is supplied in RAL 9016, and is also available in a wide choice of other RAL or BS colour options to harmonise with the boldest or most neutral of decors.

For a chic solution that can accentuate the use of traditional materials, enhance a contemporary or period appearance, the Classic Column is the perfect choice.

Our extensive range of size options provides fitting flexibility

There are 7 height options available from 300mm to 2500mm. The standard range consists of 54 models with heights of 300mm, 500mm, 600mm and 750mm and widths from 414mm to 1840mm. Where space is limited, there are six vertical models with heights of 1800mm, 2000mm and 2500mm and widths of 322mm and 414mm. This extensive choice of heights and widths combines with a choice of two, three or four columns to provide a versatile sizing flexibility that is ideal for use in a minimalist project, or for applications where work space is restricted.

The guaranteed performance you would expect from Stelrad

The strength of steel construction is matched by outstanding heating performance. Strictly controlled independent laboratory testing ensures that all Stelrad radiators are guaranteed to perform to a maximum working pressure of 116 psi (8 bar), and conform to EN442 the European Standard for radiators.

As a measure of all round dependable quality and performance, the Stelrad Classic Column radiator comes complete with a 5 Year Warranty.

Colours

RAL 7035		RAL 2008		RAL 5014		RAL 9002	
RAL 7038		RAL 3000		RAL 5002			
RAL 7036		RAL 3003		RAL 5024			
RAL 7030		RAL 3005		RAL 5022			
RAL 7037		RAL 6027		RAL 5010			
RAL 7015		RAL 6034		RAL 9016			
RAL 9005		RAL 6019		RAL 9010		Metallics	
RAL 1016		RAL 6033		RAL 9001		BR 0002	
RAL 1021		RAL 6012		RAL 1013		BR 0004	
RAL 1004		RAL 6005		RAL 1015		BR 0006	
						BR 0007	

The colours shown above are reproduced as accurately as this printing process will allow and are available to special order only on these models. Specials are subject to a 50% restock fee if returned.



Stelrad Classic Column

50 Δt

40 Δt

30 Δt

Height	Length mm	Columns	Heat output		Heat output		Heat output	
			Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr
300	414	3	288	983	215	735	148	506
	598	3	416	1419	311	1062	214	731
	828	3	576	1965	431	1470	297	1012
	1012	3	704	2402	527	1797	363	1237
	1242	3	864	2948	646	2205	445	1518
	1426	3	992	3385	742	2532	511	1743
	1840	3	1280	4367	957	3267	659	2249
	414	4	377	1286	282	962	194	662
	598	4	545	1860	408	1391	281	958
	828	4	754	2573	564	1924	388	1325
	1012	4	922	3146	690	2353	475	1620
	1242	4	1131	3861	846	2887	582	1987
	598	2	499	1703	373	1274	257	877
	828	2	691	2358	517	1764	356	1214
1012	2	845	2883	632	2157	435	1485	
1242	2	1037	3538	776	2647	534	1822	
500	414	3	464	1585	347	1184	239	815
	598	3	671	2289	502	1713	346	1179
	828	3	929	3170	695	2371	478	1632
	1012	3	1135	3873	849	2897	585	1994
	1242	3	1393	4755	1042	3555	717	2448
	1426	3	1600	5459	1197	4083	824	2811
	1840	3	2064	7044	1544	5268	1063	3627
	414	4	608	2074	455	1552	313	1068
	598	4	879	2999	657	2243	453	1545
	828	4	1217	4152	910	3106	627	2138
	1012	4	1487	5074	1112	3795	766	2613
	1242	4	1825	6227	1365	4658	940	3207
	598	2	589	2010	441	1503	303	1035
	828	2	815	2781	610	2080	420	1432
1012	2	997	3402	746	2545	513	1752	
1242	2	1223	4173	915	3121	630	2149	
600	414	3	548	1870	410	1399	282	963
	598	3	792	2702	592	2021	408	1392
	828	3	1096	3740	820	2797	564	1926
	1012	3	1340	4572	1002	3420	690	2355
	1242	3	1644	5612	1230	4196	847	2889
	1426	3	1888	6442	1412	4819	972	3318
	1840	3	2436	8312	1822	6217	1255	4280
	414	4	718	2450	537	1832	370	1262
	598	4	1037	3538	776	2647	534	1822
	828	4	1436	4900	1074	3665	740	2523
	1012	4	1756	5991	1313	4482	904	3086
	1242	4	2155	7353	1612	5500	1110	3787
	828	3	1337	4562	1000	3412	689	2349
	1012	3	1635	5579	1223	4173	842	2873
1242	3	2006	6844	1500	5120	1033	3525	
1426	3	2303	7861	1723	5878	1186	4047	
1840	3	2972	10140	2223	7585	1531	5222	
750	414	4	877	2992	656	2238	452	1541
	598	4	1266	4320	947	3231	652	2225
	828	4	1753	5981	1311	4474	903	3080
	1012	4	2143	7312	1603	5469	1104	3766
	1242	4	2630	8974	1967	6712	1354	4621
	322	2	868	2962	649	2215	447	1525
	414	2	1116	3808	835	2848	575	1961
	322	2	966	3296	723	2465	497	1697
	414	2	1242	4238	929	3170	640	2182
	322	2	1197	4084	895	3055	616	2103
	414	2	1539	5251	1151	3928	793	2704

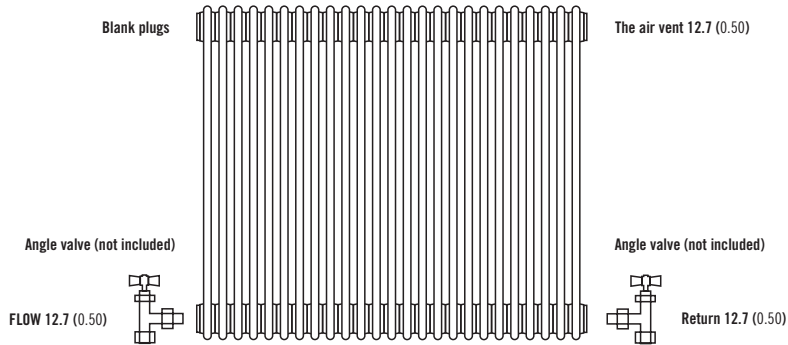
Stelrad Classic Column

Weights & Measures

Height	Length		Tap centre mm	Dry weight Kg	Water content Litres	
	mm	in				
300	414	16.2	234	6.3	5.4	
	598	23.5	234	9.1	7.8	
	828	32.5	234	12.6	10.8	
	1012	39.8	234	15.4	13.2	
	1242	48.8	234	18.9	16.2	
	1426	56.1	234	21.7	18.6	
	1840	72.4	234	28.0	24.0	
	414	16.2	234	9.0	6.3	
	598	23.5	234	13.0	9.1	
	828	32.5	234	18.0	12.6	
	1012	39.8	234	22.0	15.4	
	1242	48.8	234	27.0	18.9	
	500	598	23.5	434	10.4	6.5
		828	32.5	434	14.4	9.0
1012		39.8	434	17.6	11.0	
1242		48.8	434	21.6	13.5	
414		16.2	434	10.8	7.2	
598		23.5	434	15.6	10.4	
828		32.5	434	21.6	14.4	
1012		39.8	434	26.4	17.6	
1242		48.8	434	32.4	21.6	
1426		56.1	434	37.2	24.8	
1840		72.4	434	48.0	32.0	
414		16.2	434	15.3	9.0	
598		23.5	434	22.1	13.0	
828		32.5	434	30.6	18.0	
1012	39.8	434	37.4	22.0		
1242	48.8	434	45.9	27.0		
600	598	23.5	534	13.0	7.8	
	828	32.5	534	18.0	10.8	
	1012	39.8	534	22.0	13.2	
	1242	48.8	534	27.0	16.2	
	414	16.2	534	12.6	8.1	
	598	23.5	534	18.2	11.7	
	828	32.5	534	25.2	16.2	
	1012	39.8	534	30.8	19.8	
	1242	48.8	534	37.8	24.3	
	1426	56.1	534	43.4	27.9	
	1840	72.4	534	56.0	36.0	
	414	16.2	534	18.0	10.8	
	598	23.5	534	26.0	15.6	
	828	32.5	534	36.0	21.6	
1012	39.8	534	44.0	26.4		
1242	48.8	534	54.0	32.4		
750	828	32.5	684	30.6	19.8	
	1012	39.8	684	37.4	24.2	
	1242	48.8	684	45.9	29.7	
	1426	56.1	684	52.7	34.1	
	1840	72.4	684	68.0	44.0	
	414	16.2	684	22.5	12.6	
	598	23.5	684	32.5	18.2	
	828	32.5	684	45.0	25.2	
	1012	39.8	684	55.0	30.8	
	1242	48.8	684	67.5	37.8	
1800	322	12.6	1734	18.9	10.5	
2000	414	16.2	1734	24.3	13.5	
	322	12.6	1934	21.0	11.9	
2500	414	16.2	1934	27.0	15.3	
	322	12.5	2434	25.9	14.4	
	414	16.2	2434	33.3	18.9	

Classic Column typical valve installation

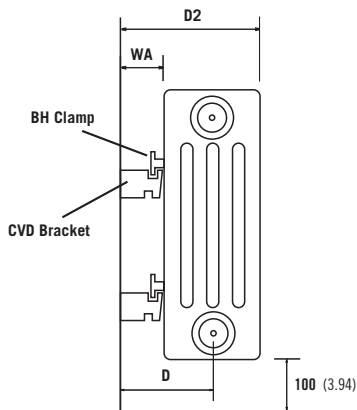
All dimensions in mm. Inches in brackets.



Note: Factory fitted bushes are welded in place and not removable.
If installing TBOE (Top Bottom Opposite End) please note that the radiator MUST be inverted.

Classic Column typical bracket installation

All dimensions in mm. Inches in brackets.



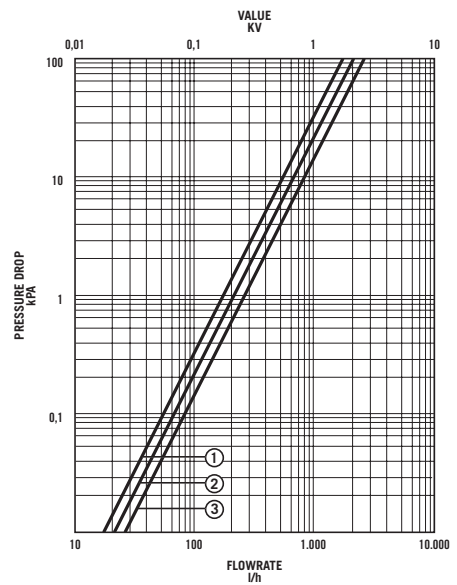
Measurements using 10mm CVD Brackets Slot
Add 5mm if using 15mm Slot

	WA	D	D2
2 Col	23	54	85
3 Col	23	73	123
4 Col	23	91	159

No of CVD Brackets and BH Clamps Required

	No of Sections
4	0 - 23
6	24 - 41

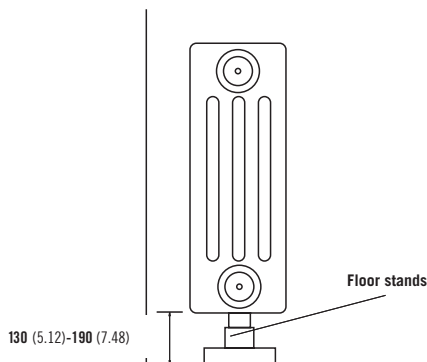
Pressure drops



- ① 2 Column (P1), 11 (K1)
- ② 3 Column (P+), 22 (K2)
- ③ 4 Column (K3)

Classic Column optional extra floor fixing

All dimensions in mm. Inches in brackets.



Classic Column temperature table

TEMPERATURES

Factors for differences between mean water temperature and room temperature in °C and °F other than 50°C (90°F)

°C		°F	
5	0.050	10	0.057
10	0.123	20	0.142
15	0.209	30	0.240
20	0.304	40	0.348
25	0.406	50	0.466
30	0.515	60	0.590
35	0.629	70	0.721
40	0.748	80	0.858
45	0.872	90	1.000
50	1.000	100	1.147
55	1.132	110	1.298
60	1.267	120	1.454
65	1.406	130	1.613
70	1.549	140	1.776
75	1.694	-	-

To apply the factors shown in the table above to our quoted outputs, multiply the quoted output by the chosen operating factor to give new output.

To apply the factor to required output, divide required output by factor to give correct radiator from the Stelrad Classic Column range.



The Stelrad STARS Heatloss Calculator contains an inbuilt U value calculator.

Save time and effort by using the Stelrad STARS program – the perfect solution for accurate sizing and design flexibility.

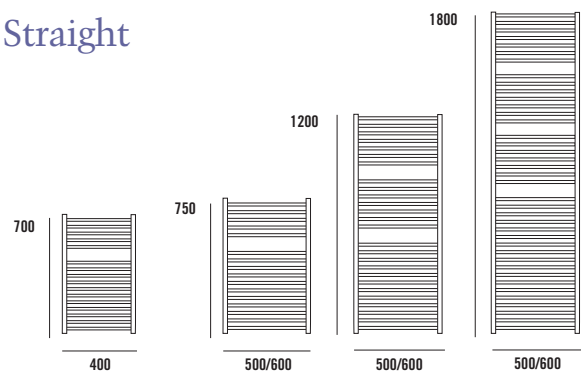
For further information and advice call Technical Support on: 01482 498663.

Towel rails

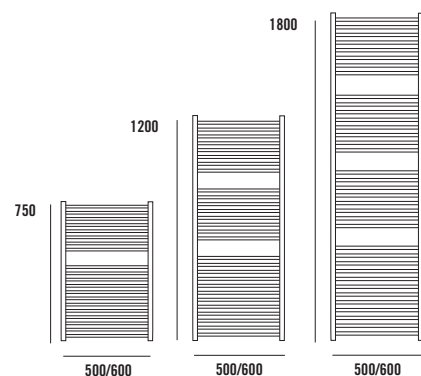
Sophistication born from simplicity

- Ideal for bathrooms and kitchens
- Effective and efficient heating
- Practical drying performance
- Range of sizes and outputs
- Ladder rail offers choice of straight or curved rails
- Available in white or chrome finish
- Special colour options available on request.

Straight



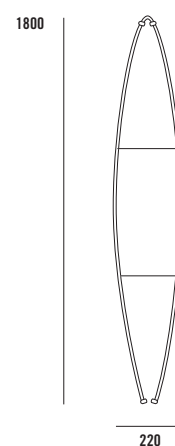
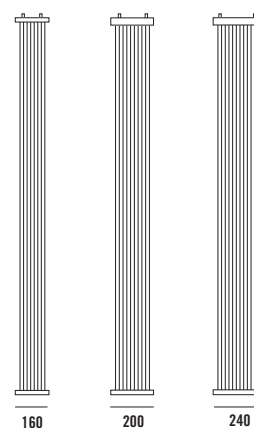
Curved



Optia

A sensational new concept in space heating

- Designed by Pietro Facheris
- Stunning appearance
- Cool metallic grey finish
- Available in 3 widths
- Offers 3 output options
- Excellent performance
- Functional towel warmer.

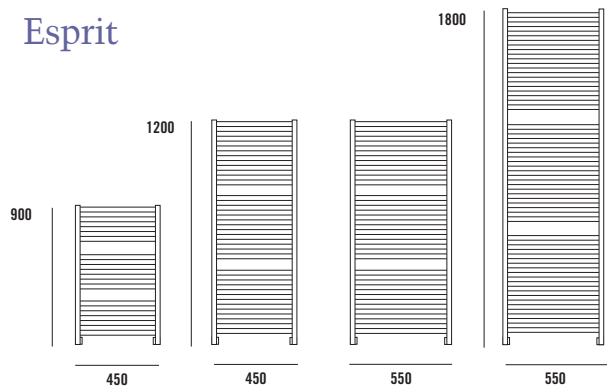


Esprit

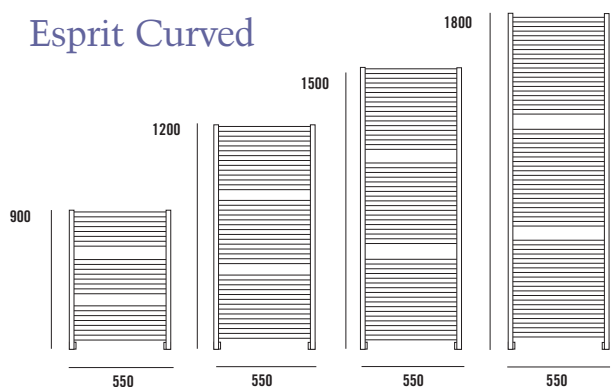
Sophistication born from simplicity

- Ideal for bathrooms and kitchens
- Effective and efficient heating
- Practical drying performance
- Range of sizes and outputs
- Ladder rail offers choice of straight or curved rails
- Available in white or chrome finish
- Special colour options available on request
- Esprit's elegantly slim tubes provide a touch of added sophistication.

Esprit



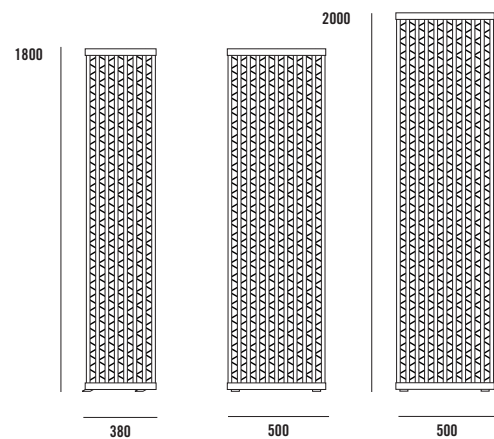
Esprit Curved



Excel

Inspired design for the home or work place

- Inspirational lattice design
- Functional space divider
- Floor or wall mounted
- Available in 3 sizes
- Optional outputs
- Sophisticated black as standard
- Engineered for maximum performance.

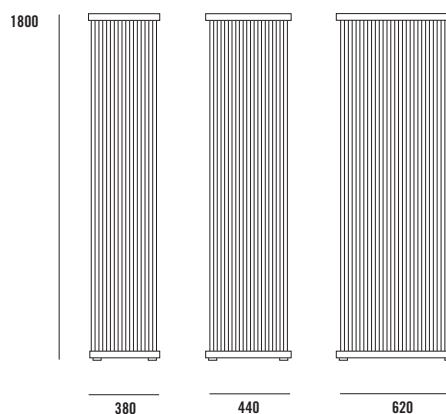


Arc & Wave

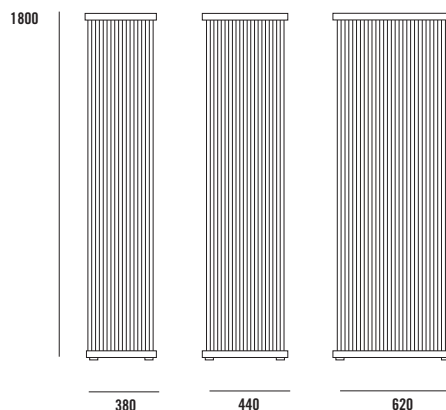
Sculptured for artistic performance

- Sculpted lines with distinctive style
- Precision curved, fine tubes
- Chic, metallic grey finish
- Available in 3 sizes
- 3 heat output options
- Excellent performance.

Arc



Wave



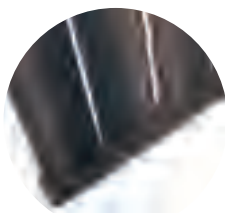
Ellipse

Distinctive C-shaped tubes and vertical lines

- Exceptional heating performance
- Range of sizes and outputs for greater versatility
- Choice of outward or inward facing columns on Ellipse
- Large range of colour options available
- Elegance and style for your environment
- For colour options see page 107.



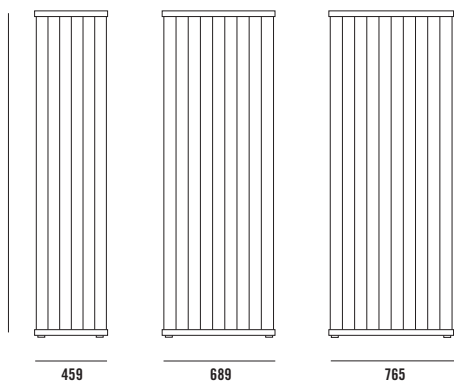
Ellipse EH



Ellipse EOH

Ellipse

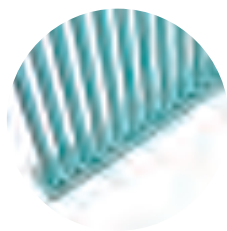
1800/2000



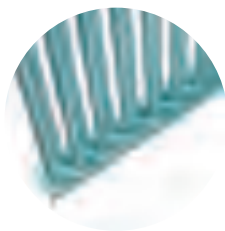
Vistaline

Creative use of curves and vertical lines for stylish elegance

- Exceptional heating performance
- Range of sizes and outputs for greater versatility
- Vistaline offers additional row of tubes for greater heat output
- Large range of colour options available
- Elegance and style for your environment
- For colour options see page 107.

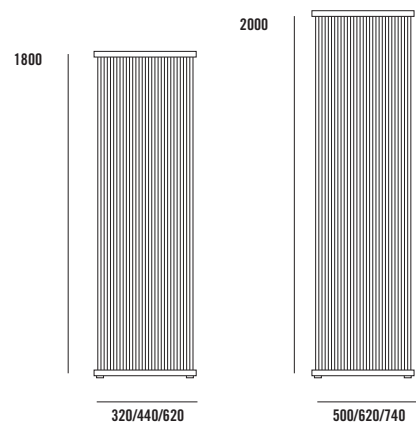


Vistaline 2



Vistaline 3

Vistaline



Stelrad Towel Rail

50_{Δt}

White

Chrome

Curved White

Curved Chrome

Height	Length mm	Max Projection mm	Heat output		Max Projection mm	Heat output		Max Projection mm	Heat output		Max Projection mm	Heat output	
			Watts	Btu/hr		Watts	Btu/hr		Watts	Btu/hr		Watts	Btu/hr
750	500	100	367	1251	100	305	1042	100	394	1345	100	328	1120
	600	100	439	1498	100	366	1248	100	472	1611	100	393	1342
1200	500	100	545	1858	100	454	1548	100	586	1998	100	488	1665
	600	100	646	2206	100	539	1837	100	695	2372	100	579	1976
1800	500	100	804	2743	100	670	2285	100	864	2949	100	720	2457
	600	100	951	3244	100	792	2703	100	1022	3489	100	852	2906

Stelrad Mini Towel Rail

50_{Δt}

White

Chrome

Height	Length mm	Max Projection mm	Heat output		Max Projection mm	Heat output	
			Watts	Btu/hr		Watts	Btu/hr
700	400	100	288	983	100	240	820

Stelrad Optia

50_{Δt}

Height	Length mm	Max Projection mm	Heat output	
			Watts	Btu/hr
1800	160	202	742	2532
	200	242	928	3167
	240	282	1114	3802

Stelrad Esprit

50_{Δt}

White

Chrome

Curved White

Curved Chrome

Height	Length mm	Max Projection mm	Heat output		Max Projection mm	Heat output		Max Projection mm	Heat output		Max Projection mm	Heat output	
			Watts	Btu/hr		Watts	Btu/hr		Watts	Btu/hr		Watts	Btu/hr
900	450	100	405	1382	100	316	1078	-	-	-	-	-	-
	550	-	-	-	-	-	-	75	492	1679	75	384	1311
1200	450	100	554	1891	100	432	1474	-	-	-	-	-	-
	550	100	676	2307	100	527	1799	75	676	2307	75	527	1799
1500	450	-	-	-	-	-	-	-	-	-	-	-	-
	550	-	-	-	-	-	-	75	860	2935	75	671	2290
1800	450	-	-	-	-	-	-	-	-	-	-	-	-
	550	100	1056	3604	100	824	2812	75	1056	3604	75	824	2812

Stelrad Excel

50 Δt

Wall Mounted

Floor Mounted

Height	Length mm	Max Projection mm	Heat output		Max Projection mm	Heat output	
			Watts	Btu/hr		Watts	Btu/hr
1800	380	60	727	2481	60	727	2481
	500	60	957	3266	60	957	3266
2000	-	-	-	-	-	-	-
	500	60	1048	3577	60	1048	3577

Stelrad Arc & Wave

50 Δt

Height	Length mm	Max Projection mm	Heat output	
			Watts	Btu/hr
1800	380	200	882	3010
	440	200	1021	3484
	620	200	1438	4908

Stelrad Ellipse

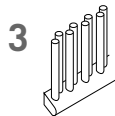
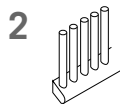
50 Δt



Height	Length mm	Max Projection mm	Heat output		Max Projection mm	Heat output	
			Watts	Btu/hr		Watts	Btu/hr
1800	459	65	858	2928	65	858	2928
	689	65	1287	4392	65	1287	4392
2000	459	65	954	3256	65	954	3256
	689	65	1431	4884	65	1431	4884
	765	65	1590	5426	65	1590	5426

Stelrad Vistaline

50 Δt



Height	Length mm	Max Projection mm	Heat output		Max Projection mm	Heat output	
			Watts	Btu/hr		Watts	Btu/hr
1800	320	60	742	2532	66	818	2792
	440	60	1021	3484	66	1130	3856
	620	60	1438	4908	66	1597	5450
2000	500	60	1275	4351	66	1415	4829
	620	60	1580	5392	66	1758	6000
	740	60	1886	6437	66	-	-

Colours

RAL 7035		RAL 1004		RAL 6020		RAL 9001	
RAL 7038		RAL 2008		RAL 6012		RAL 1013	
RAL 7036		RAL 3017		RAL 6005		RAL 1015	
RAL 7030		RAL 3000		RAL 5014		RAL 9002	
RAL 7037		RAL 3003		RAL 5022			
RAL 7015		RAL 3005		RAL 5024		Metals	
RAL 9005		RAL 6027		RAL 5002		BR 0002	
RAL 8017		RAL 6034		RAL 5010		BR 0004	
RAL 1016		RAL 6019		RAL 9016		BR 0006	
RAL 1021		RAL 6033		RAL 9010		BR 0007	

The colours shown above are reproduced as accurately as this printing process will allow and are available to special order only on specific products.

Colour availability

	standard Colour	Available in other colours
Esprit	White/Chrome	✓
Vistaline 2	White	✓
Vistaline 3	White	✓
Ellipse EH	White	✓
Ellipse EOH	White	✓
Excel	RAL 9005	✗
Arc/Wave	BR0007/ BR0002	✗
Optia	BR0007	✗
Ladder	White/Chrome	✗
Classic Column	White	✓
Concord Range	White	✓

Special orders available on request.

Temperature table

TEMPERATURES

Factors for differences between mean water temperature and room temperature in °C and °F other than 50°C (90°F)

°C		°F	
5	0.050	10	0.057
10	0.123	20	0.142
15	0.209	30	0.240
20	0.304	40	0.348
25	0.406	50	0.466
30	0.515	60	0.590
35	0.629	70	0.721
40	0.748	80	0.858
45	0.872	90	1.000
50	1.000	100	1.147
55	1.132	110	1.298
60	1.267	120	1.454
65	1.406	130	1.613
70	1.549	140	1.776
75	1.694	-	-

To apply the factors shown in the table above to our quoted outputs, multiply the quoted output by the chosen operating factor to give new output.



The Stelrad STARS Heatloss Calculator contains an inbuilt U value calculator.

Save time and effort by using the Stelrad STARS program – the perfect solution for accurate sizing and design flexibility.

Accessories



Chrome Robe Hooks. For Vistaline, Ellipse and Esprit.



Additional Towel Rail. 30cm, 40cm, 46cm or 62cm For Ellipse, Esprit and Vistaline 2 (except 320 width).



Drying & Stacking Rail. 55cm For Vistaline and Ellipse.

For further information and advice call Technical Support on: 01482 498663.

LST Standard & LST Plus

The complete choice

Stelrad, the UK's leading radiator manufacturer has created a range of low surface temperature radiators, which simplify product selection and are easy to install, providing the perfect solution for all your specification requirements in safety critical environments.

With a choice of Standard or Plus variations, the Stelrad LST range offers you the flexibility you need.

The LST Standard leaves you free to specify your preferred controls, whilst the LST Plus offers an integral remote sensing thermostat valve, the highly specified Danfoss RAS-D Remote Sensor, which can be pre-set to allow adjustment of room temperature. In addition, an arthritic adaptor is supplied as standard for special need environments, as well as a lockshield valve which can only be adjusted with a 6mm Allen key, hidden with a neat metal dust cover to discourage unauthorised tampering.

The complete performance

Every Stelrad LST radiator is supplied with an attractive, flat panel outer casing, which is totally reversible to allow piping flexibility. Simple and quick to install, the casing is held by security fittings with a unique seam fixing bracket system to prevent unauthorised access to the emitter accommodated inside. And for added protection, the smooth surface is coated in anti-bacterial paint.

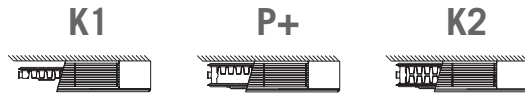
The emitter itself provides high outputs through convection for outstanding heating performance. Strictly controlled independent laboratory testing ensures that each emitter is guaranteed to perform to a maximum working pressure of 116 psi (8 bar) and conform to BS EN 442, the European Standard for radiators.

Whether the LST Standard or LST Plus is better suited to your requirements, you will find all the specified components required supplied in one robust package, and, as you would expect from Stelrad, every LST radiator is guaranteed to deliver outstanding performance and dependability.



Stelrad LST Standard

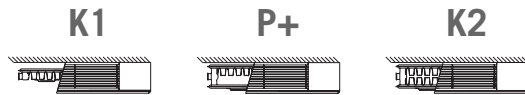
50 Δt



Casing Height	Casing Length mm	Emitter Height mm	Emitter Length mm	Heat output		Heat output		Heat output	
				Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr
500	560	300	400	196	669	284	969	348	1187
	760	300	600	293	1000	426	1454	522	1781
	960	300	800	391	1334	568	1938	696	2375
	1160	300	1000	489	1668	710	2423	870	2968
	1360	300	1200	587	2003	852	2907	1044	3562
	1560	300	1400	685	2337	994	3392	1218	4156
	1760	300	1600	782	2668	1136	3876	1392	4750
	1960	300	1800	880	3003	1278	4361	1566	5343
650	560	450	400	290	989	386	1317	478	1631
	760	450	600	435	1484	580	1979	717	2446
	960	450	800	580	1979	773	2637	956	3262
	1160	450	1000	725	2474	966	3296	1195	4077
	1360	450	1200	870	2968	1159	3955	1434	4893
	1560	450	1400	1015	3463	1352	4613	1673	5708
	1760	450	1600	1160	3958	1546	5275	1912	6524
	1960	450	1800	1305	4453	1739	5933	2151	7341
800	560	600	400	365	1245	501	1709	615	2098
	760	600	600	548	1870	751	2562	922	3146
	960	600	800	730	2493	1002	3419	1230	4197
	1160	600	1000	913	3115	1252	4272	1537	5244
	1360	600	1200	1096	3740	1502	5125	1844	6295
	1560	600	1400	1278	4361	1753	5981	2152	7343
	1760	600	1600	1461	4985	2003	6837	2459	8393
	1960	600	1800	1643	5606	2254	7691	2767	9441

Stelrad LST Standard

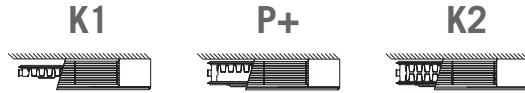
40 Δt



Casing Height	Casing Length mm	Emitter Height mm	Emitter Length mm	Heat output		Heat output		Heat output	
				Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr
500	560	300	400	147	500	212	725	260	888
	760	300	600	219	748	319	1087	390	1332
	960	300	800	292	998	425	1450	521	1776
	1160	300	1000	366	1248	531	1812	651	2220
	1360	300	1200	439	1498	637	2174	781	2664
	1560	300	1400	512	1748	744	2537	911	3109
	1760	300	1600	585	1996	850	2899	1041	3553
	1960	300	1800	658	2246	956	3262	1171	3997
650	560	450	400	217	740	289	985	358	1220
	760	450	600	325	1110	434	1480	536	1830
	960	450	800	434	1480	578	1973	715	2440
	1160	450	1000	542	1850	723	2465	894	3050
	1360	450	1200	651	2220	867	2958	1073	3660
	1560	450	1400	759	2590	1011	3451	1251	4270
	1760	450	1600	868	2961	1156	3946	1430	4880
	1960	450	1800	976	3331	1301	4438	1609	5490
800	560	600	400	273	932	375	1279	460	1570
	760	600	600	410	1399	562	1917	690	2353
	960	600	800	546	1863	749	2557	920	3139
	1160	600	1000	683	2330	936	3195	1150	3923
	1360	600	1200	820	2797	1123	3833	1379	4706
	1560	600	1400	956	3262	1311	4474	1610	5492
	1760	600	1600	1093	3729	1498	5112	1839	6276
	1960	600	1800	1229	4193	1686	5753	2070	7062

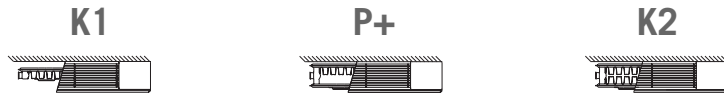
Stelrad LST Standard

30_{Δt}



Casing Height	Casing Length mm	Emitter Height mm	Emitter Length mm	Heat output		Heat output		Heat output	
				Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr
500	560	300	400	101	344	146	499	179	611
	760	300	600	151	515	219	749	269	917
	960	300	800	201	687	293	998	358	1223
	1160	300	1000	252	859	366	1248	448	1529
	1360	300	1200	302	1031	439	1497	538	1834
	1560	300	1400	353	1204	512	1747	627	2140
	1760	300	1600	403	1374	585	1996	717	2446
	1960	300	1800	453	1546	658	2246	806	2752
650	560	450	400	149	510	199	678	246	840
	760	450	600	224	764	299	1019	369	1260
	960	450	800	299	1019	398	1358	492	1680
	1160	450	1000	373	1274	497	1697	615	2100
	1360	450	1200	448	1529	597	2037	739	2520
	1560	450	1400	523	1784	696	2376	862	2940
	1760	450	1600	597	2038	796	2717	985	3360
	1960	450	1800	672	2293	896	3056	1108	3780
800	560	600	400	188	641	258	880	317	1081
	760	600	600	282	963	387	1320	475	1620
	960	600	800	376	1283	516	1761	633	2161
	1160	600	1000	470	1604	645	2200	792	2701
	1360	600	1200	564	1926	774	2639	950	3240
	1560	600	1400	658	2246	903	3080	1108	3781
	1760	600	1600	752	2567	1032	3520	1266	4321
	1960	600	1800	846	2887	1161	3961	1425	4862

Weights & Measures



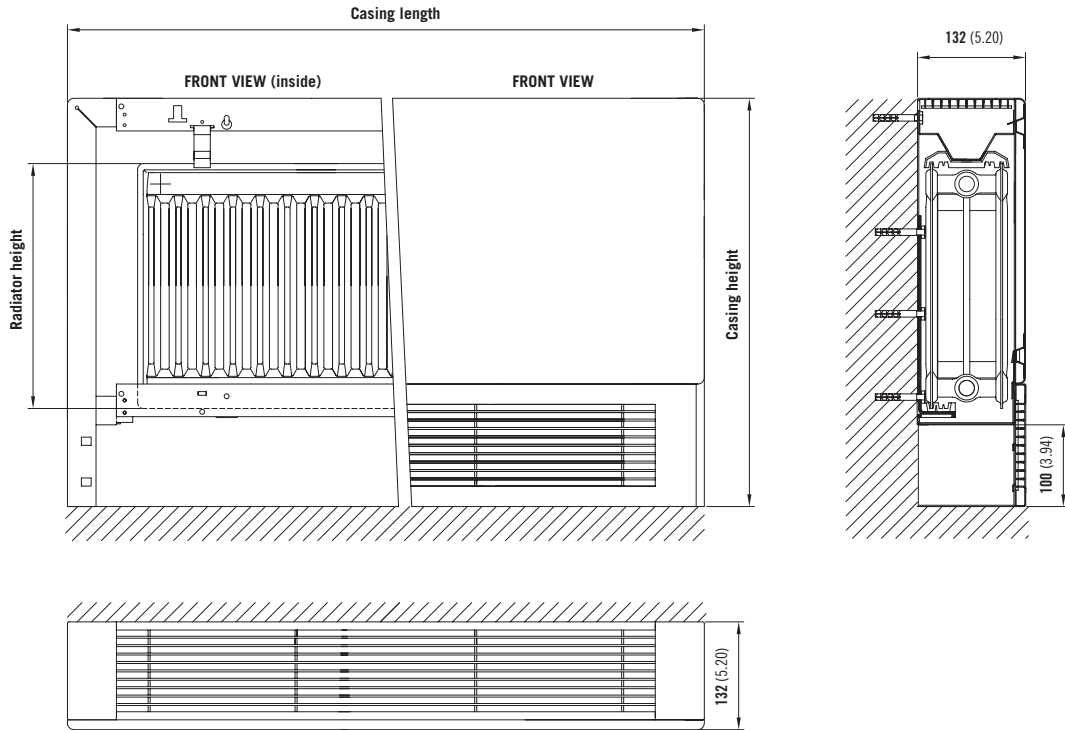
Casing Height	Casing Length mm	Casing Length in	Dry weight Kg	Water content Litres	Surface area m ² /m	Dry weight Kg	Water content Litres	Surface area m ² /m	Dry weight Kg	Water content Litres	Surface area m ² /m
500	560	22.0	9.96	1.05	1.17	12.71	2.11	1.36	13.66	2.11	1.96
	760	29.9	13.52	1.43	1.58	17.25	1.43	1.85	18.54	2.87	2.66
	960	37.7	17.08	1.81	2.00	21.79	1.81	2.34	23.42	3.62	3.36
	1160	45.6	20.64	2.19	2.42	26.33	2.19	2.83	28.30	4.38	4.07
	1360	53.5	26.52	2.57	2.84	30.87	2.57	3.31	33.18	5.14	4.77
	1560	61.4	27.76	2.94	3.26	35.41	2.94	3.80	37.44	5.89	5.47
	1760	69.2	31.32	3.32	3.67	39.95	3.32	4.29	42.94	6.65	6.17
	1960	77.1	34.88	3.70	4.09	44.49	3.70	4.78	47.82	7.40	6.87
650	560	22.0	13.16	1.43	1.88	17.20	1.43	2.15	18.64	2.87	3.14
	760	29.9	17.86	1.95	2.56	23.31	1.95	2.91	25.30	3.90	4.27
	960	37.7	22.56	2.49	3.23	29.49	2.46	3.68	31.96	4.93	5.39
	1160	45.6	27.26	2.98	3.90	35.61	2.98	4.45	38.62	5.96	6.51
	1360	53.5	31.96	3.49	4.58	41.77	3.49	4.62	45.28	6.99	7.64
	1560	61.4	36.66	4.00	5.25	47.92	4.00	5.30	57.94	8.01	8.87
	1760	69.2	41.36	4.52	5.94	54.06	4.52	6.75	58.60	9.04	9.89
	1960	77.1	46.06	5.03	6.60	60.21	5.03	7.52	65.26	10.07	11.01
800	560	22.0	16.46	1.82	2.60	21.50	1.82	2.93	23.80	3.64	4.33
	760	29.9	22.34	2.47	3.54	29.18	2.47	3.98	32.30	4.94	5.88
	960	37.7	28.22	3.12	4.47	36.86	3.12	4.99	40.80	6.24	7.43
	1160	45.6	34.10	3.77	5.40	44.54	3.77	6.07	49.80	7.54	8.97
	1360	53.5	39.98	4.42	6.33	52.22	4.42	7.12	57.80	8.84	10.52
	1560	61.4	45.86	5.07	7.26	59.90	5.07	8.17	66.30	10.14	12.07
	1760	69.2	51.74	5.72	8.20	67.58	5.72	9.22	74.80	11.44	13.62
	1960	77.1	57.62	6.37	9.13	75.26	6.37	10.27	83.30	12.74	15.17

EN 442 Certification Data – BSRIA tested in accordance with BS EN 442

Type	K1			P+			K2		
	500	650	800	500	650	800	500	650	800
Overall Height	500	650	800	500	650	800	500	650	800
Emitter Height	300	450	600	300	450	600	300	450	600
W/m at 75/65/20	489	725	913	710	966	1252	870	1195	1537
Heated Surface Area (m ² /m)	2.09	3.37	4.66	2.44	3.84	5.24	3.51	5.62	7.74
Weight (kg/m)	17.80	23.50	29.40	22.70	30.72	38.40	24.40	33.30	42.50
Water Contents (l/m)	1.89	2.57	3.25	3.78	5.14	6.50	3.78	5.14	6.50

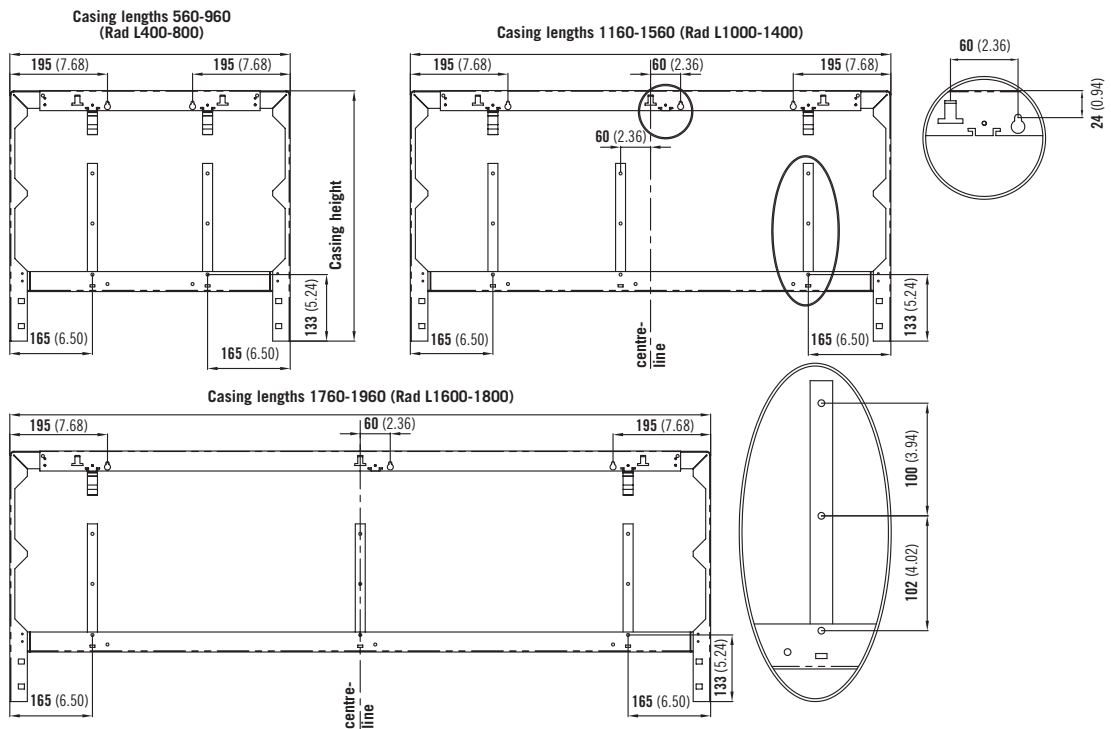
LST Standard wall mounted with integral kick grille

All dimensions in mm. Inches in brackets.



LST Standard wall fixings and bracket positions

All dimensions in mm. Inches in brackets.



Connections

Each Stelrad LST standard radiator has 4 x 1/2" connections as standard, offering adaptable piping options; TBOE, TBSE, BOE.

Installation

The pack includes heat emitter, radiator panel, casing panels, kick grille and all required hardware fixings.

The emitter brackets are of a strong design with open top and deep slots for easy and secure installation.

Plastic inserts seat the radiator precisely on the bracket, minimising expansion and contraction noise.

The neat nickel-plated plug and vent provide a watertight joint.

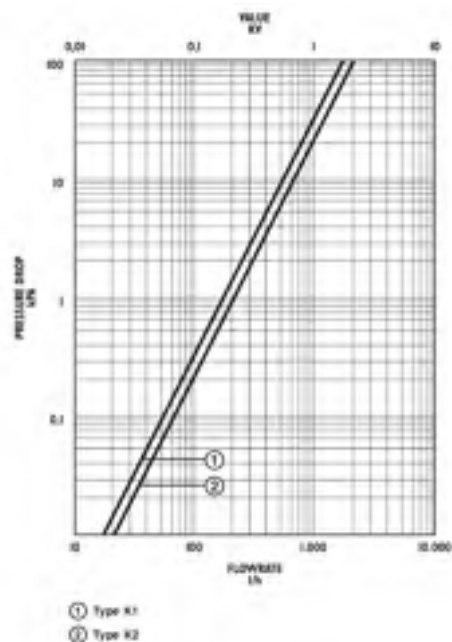


The Stelrad LST Standard emitter, showing high level valve option.



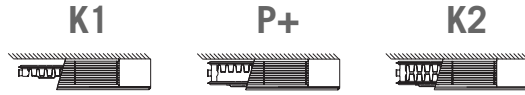
Inside the casing of the Stelrad LST Standard showing the emitter.

Pressure drops



Stelrad LST Plus

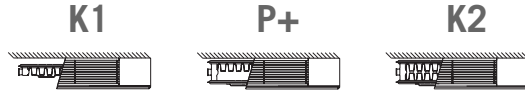
50 Δt



Casing Height	Casing Length mm	Emitter Height mm	Emitter Length mm	Heat output		Heat output		Heat output	
				Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr
500	650	300	400	203	693	290	989	362	1235
	850	300	600	304	1037	435	1484	542	1849
	1050	300	800	406	1385	580	1979	723	2467
	1250	300	1000	507	1730	725	2474	904	3084
	1450	300	1200	608	2074	870	2968	1085	3702
	1650	300	1400	710	2423	1015	3463	1266	4320
	1850	300	1600	811	2767	1160	3958	1446	4934
	2050	300	1800	913	3115	1305	4453	1627	5551
650	650	400	400	264	901	388	1324	456	1556
	850	400	600	397	1355	581	1982	685	2337
	1050	400	800	529	1805	775	2644	913	3115
	1250	400	1000	661	2255	969	3306	1141	3893
	1450	400	1200	793	2706	1163	3968	1369	4671
	1650	400	1400	925	3156	1357	4630	1597	5449
	1850	400	1600	1058	3610	1550	5289	1825	6227
	2050	400	1800	1190	4060	1744	5951	2054	7008
750	650	500	400	336	1146	461	1573	558	1904
	850	500	600	503	1716	692	2361	837	2856
	1050	500	800	671	2289	922	3146	1116	3808
	1250	500	1000	839	2863	1153	3934	1395	4760
	1450	500	1200	1007	3436	1384	4722	1674	5712
	1650	500	1400	1175	4009	1614	5507	1953	6664
	1850	500	1600	1342	4579	1845	6295	2232	7616
	2050	500	1800	1510	5152	2075	7080	2511	8568

Stelrad LST Plus

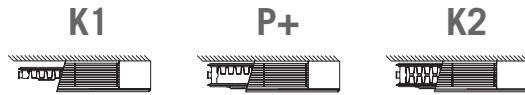
40 Δt



Casing Height	Casing Length mm	Emitter Height mm	Emitter Length mm	Heat output		Heat output		Heat output	
				Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr
500	650	300	400	152	518	217	740	271	924
	850	300	600	227	776	325	1110	405	1383
	1050	300	800	304	1036	434	1480	541	1845
	1250	300	1000	379	1294	542	1850	676	2307
	1450	300	1200	455	1552	651	2220	812	2769
	1650	300	1400	531	1812	759	2590	947	3231
	1850	300	1600	607	2070	868	2961	1082	3690
	2050	300	1800	683	2330	976	3331	1217	4152
650	650	400	400	197	674	290	990	341	1164
	850	400	600	297	1013	435	1483	512	1748
	1050	400	800	396	1350	580	1978	683	2330
	1250	400	1000	494	1687	725	2473	853	2912
	1450	400	1200	593	2024	870	2968	1024	3494
	1650	400	1400	692	2361	1015	3463	1195	4076
	1850	400	1600	791	2700	1159	3956	1365	4658
	2050	400	1800	890	3037	1305	4451	1536	5242
750	650	500	400	251	858	345	1177	417	1424
	850	500	600	376	1284	518	1766	626	2136
	1050	500	800	502	1713	690	2353	835	2848
	1250	500	1000	628	2141	862	2943	1043	3560
	1450	500	1200	753	2570	1035	3532	1252	4272
	1650	500	1400	879	2999	1207	4119	1461	4984
	1850	500	1600	1004	3425	1380	4709	1670	5696
	2050	500	1800	1129	3854	1552	5296	1878	6409

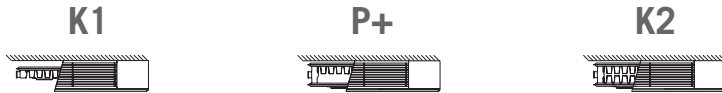
Stelrad LST Plus

30_{Δt}



Casing Height	Casing Length mm	Emitter Height mm	Emitter Length mm	Heat output		Heat output		Heat output	
				Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr
500	650	300	400	105	357	149	510	186	636
	850	300	600	157	534	224	764	279	952
	1050	300	800	209	713	299	1019	372	1270
	1250	300	1000	261	891	373	1274	466	1588
	1450	300	1200	313	1068	448	1529	559	1907
	1650	300	1400	366	1248	523	1784	652	2225
	1850	300	1600	418	1425	597	2038	745	2541
	2050	300	1800	470	1604	672	2293	838	2859
650	650	400	400	136	464	200	682	235	801
	850	400	600	204	698	299	1021	353	1204
	1050	400	800	272	930	399	1362	470	1604
	1250	400	1000	340	1161	499	1703	588	2005
	1450	400	1200	408	1393	599	2044	705	2406
	1650	400	1400	476	1625	699	2384	822	2806
	1850	400	1600	545	1859	798	2724	940	3207
	2050	400	1800	613	2091	898	3065	1058	3609
750	650	500	400	173	590	237	810	287	981
	850	500	600	259	884	356	1216	431	1471
	1050	500	800	346	1179	475	1620	575	1961
	1250	500	1000	432	1474	594	2026	718	2451
	1450	500	1200	519	1769	713	2432	862	2942
	1650	500	1400	605	2065	831	2836	1006	3432
	1850	500	1600	691	2358	950	3242	1149	3922
	2050	500	1800	778	2653	1069	3646	1293	4412

Weights & Measures



Casing Height	Casing Length mm	Casing Length in	Dry weight Kg	Water content Litres	Surface area m ² /m	Dry weight Kg	Water content Litres	Surface area m ² /m	Dry weight Kg	Water content Litres	Surface area m ² /m
850	33.4	7.91	1.43	1.77	12.14	3.14	2.07	13.75	3.14	2.98	
1050	41.3	9.77	1.81	2.19	15.00	3.88	2.56	16.98	3.88	3.69	
1250	49.2	11.63	2.19	2.61	17.89	4.62	3.05	20.55	4.62	4.39	
1450	57.1	13.49	2.57	3.03	20.72	5.36	3.53	23.46	5.36	5.09	
1650	64.9	15.36	2.94	3.44	23.57	6.10	4.02	26.69	6.10	5.79	
1850	72.8	17.22	3.32	3.89	26.43	6.84	4.51	29.93	6.84	6.49	
2050	80.7	19.08	3.70	4.28	29.29	7.58	5.00	33.16	7.58	7.20	
650	650	25.5	8.30	1.52	1.91	12.64	3.03	2.19	14.86	3.03	3.20
	850	33.4	10.86	1.98	2.50	16.54	3.73	2.89	19.43	3.73	4.18
	1050	41.3	13.41	2.45	3.09	20.43	4.90	3.53	24.01	4.90	5.17
	1250	49.2	15.91	2.92	3.68	24.32	5.83	4.21	28.37	5.83	6.15
	1450	57.1	18.53	3.39	4.27	28.21	6.77	4.88	33.16	6.77	7.13
	1650	64.9	21.08	3.89	4.86	32.10	7.70	5.56	37.73	7.70	8.12
	1850	72.8	23.64	4.32	5.45	36.00	8.63	6.23	42.30	8.63	9.10
	2050	80.7	26.19	4.79	5.12	39.89	9.57	6.90	46.88	9.57	10.09
750	650	25.5	10.55	1.82	2.47	16.00	3.65	2.80	18.80	3.65	4.11
	850	33.4	13.80	2.38	3.23	20.93	4.78	3.66	24.59	4.78	5.38
	1050	41.3	17.05	2.94	3.99	25.89	5.91	4.52	30.37	5.91	6.65
	1250	49.2	20.30	3.50	4.75	30.78	7.03	5.38	36.16	7.03	7.91
	1450	57.1	23.54	4.06	5.51	35.71	8.16	6.24	41.94	8.16	9.18
	1650	64.9	26.79	4.62	6.27	40.63	9.28	7.11	47.73	9.28	10.44
	1850	72.8	30.04	5.18	7.03	45.56	10.53	7.97	53.52	10.53	11.71
	2050	80.7	33.29	5.74	7.79	50.49	11.54	8.83	59.30	11.54	12.98

EN 442 Certification Data – BSRIA tested in accordance with BS EN 442

Type	K1			P+			K2		
Overall Height	500	650	750	500	650	750	500	650	750
Emitter Height	300	400	500	300	400	500	300	400	500
W/m at 80/60/20	507	661	839	727	969	1153	904	1141	1395
n-coefficients	1.26	1.35	1.32	1.32	1.32	1.34	1.31	1.34	1.36
Heated Surface Area (m ² /m)	2.09	2.95	3.80	2.44	3.37	4.31	3.51	4.92	6.33
Weight (kg/m)	9.31	12.78	16.24	14.29	19.46	24.63	16.18	22.87	28.93
Water Contents (l/m)	1.89	2.34	2.80	3.70	4.67	5.63	3.70	4.67	5.63

Stelrad LST Plus Vertical

50_{Δt}

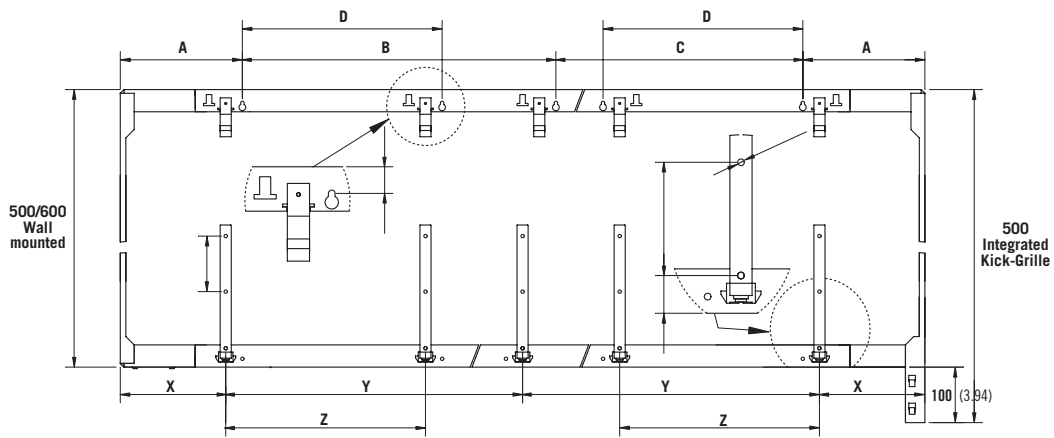
Casing Height	Casing Length mm	Emitter Height mm	Emitter Length mm	Heat output	
				Watts	BTU/H.
2110	560	1800	400	1271	4336
	660	1800	500	1588	5418
	760	1800	600	1855	6329

Weights & Measures

Casing Height	Casing Length mm	Dry weight Kg	Surface area m ² /m	Water content
				Litres
2110	560	35.52	11.96	6.48
	660	44.40	14.95	8.10
	760	53.28	17.94	9.72

LST Plus wall fixings and bracket positions

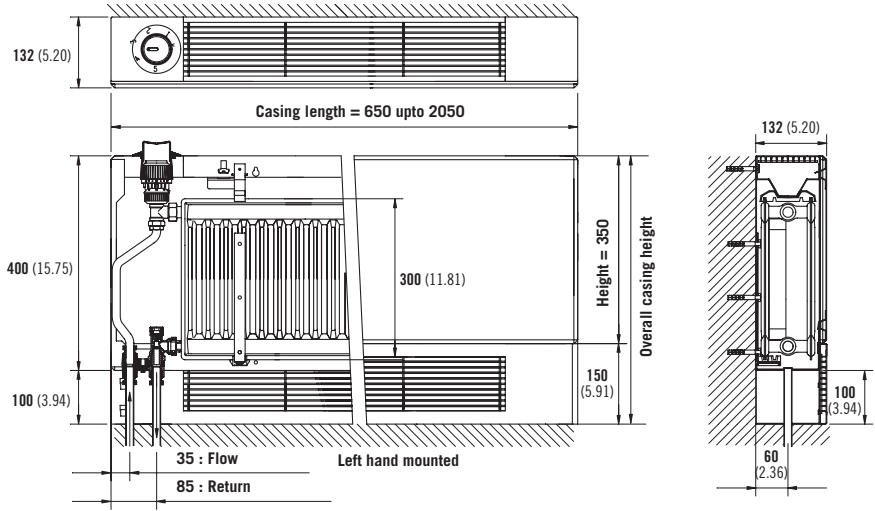
All dimensions in mm. Inches in brackets.



Casing Length	No. of brackets	Position Top				Bottom		
		A	B	C	D	X	Y	Z
650/850/10	2	270	-	-	-	240	-	-
1250	3	270	415	295	-	240	385	-
1450	3	270	515	395	-	240	485	-
1650/1850/2050	4	270	-	-	410	240	-	410

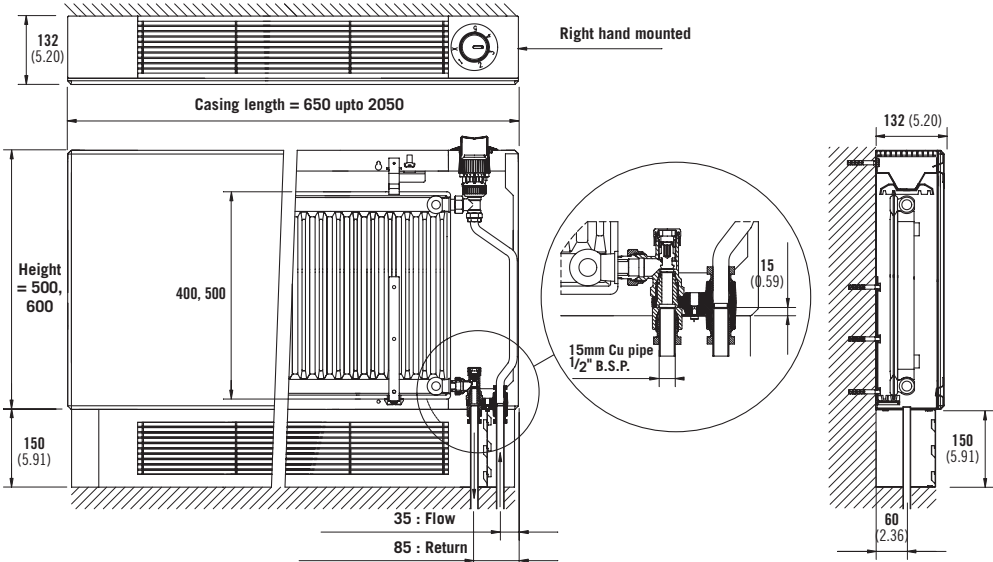
LST Plus 500mm wall mounted with integral kick grille

All dimensions in mm. Inches in brackets.



LST Plus 650mm & 750mm wall mounted

All dimensions in mm. Inches in brackets.

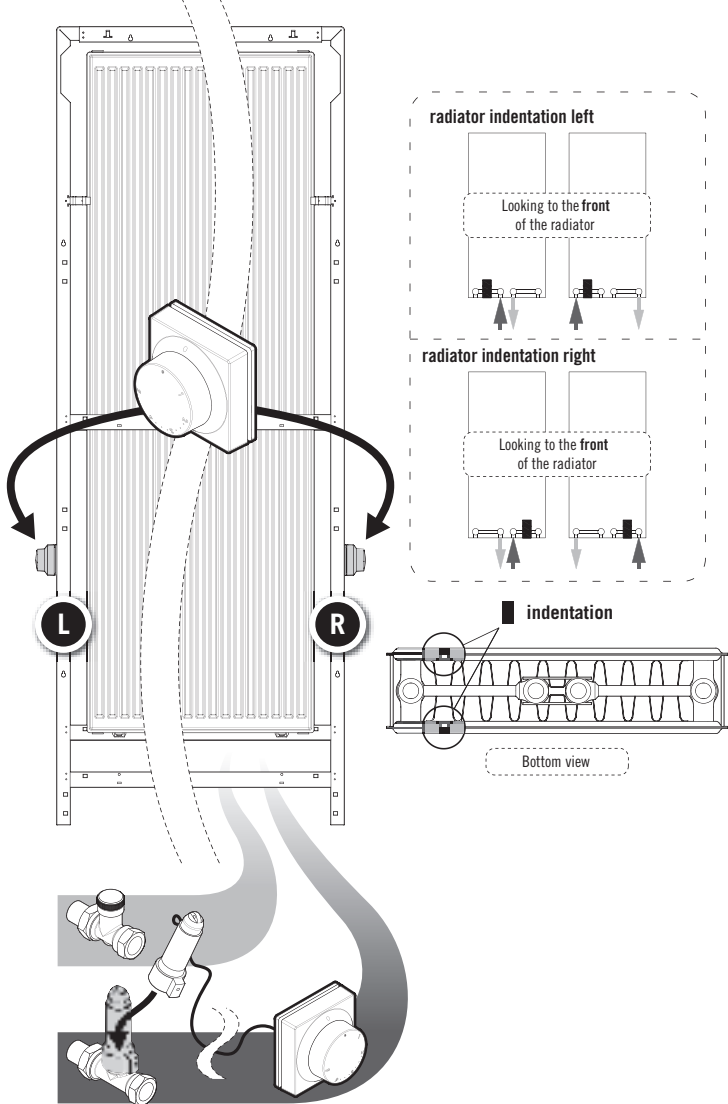
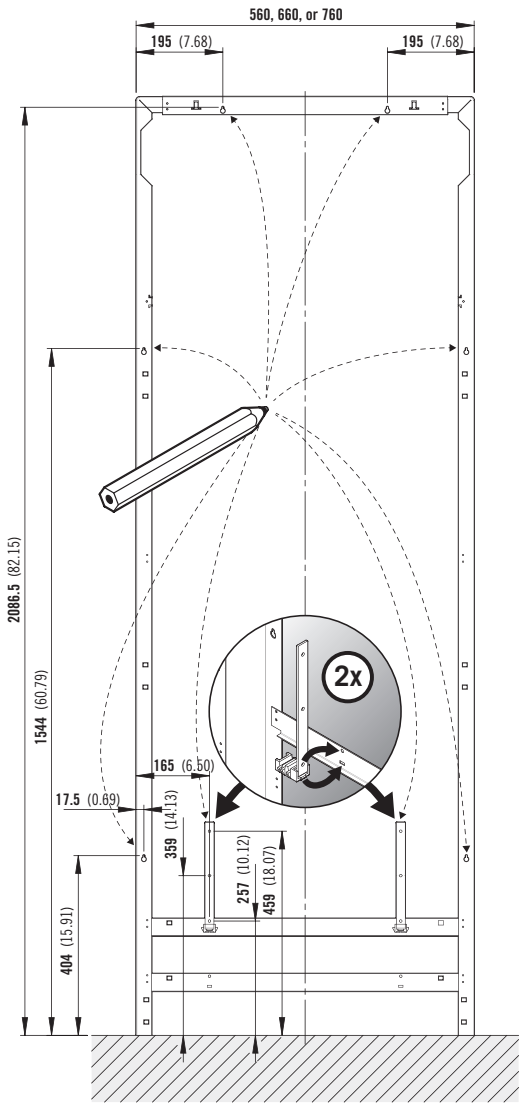


LST Plus Vertical installation instructions

All dimensions in mm. Inches in brackets.

Present casing and bottom bracket to the wall and mark drill hole positions.

Fit pipework and valve connections to the radiator.



Installation

Everything required for the installation of the Stelrad LST Plus can be found in one robust pack. This includes the emitter and radiator casing panel, together with the required brackets. These are of a strong design, with open top and deep slots, which facilitate easy and secure installation. Plastic inserts seat the radiator precisely on the bracket minimising expansion and contraction noise. The neat nickel-plated plug and vent provide a watertight joint.

The radiator valves and pipework, together with kick grille/pipe cover grille and all required hardware fixings can also be found in this pack.

Remote sensing thermostatic valve

The Danfoss RAS-D Remote Sensor is designed specifically for commercial heating systems and can be pre-set to allow adjustment of room temperature between 5°C and 26°C. Special tools are not required, as the valve is gland seal removable.

Suitable for both 1/2" steel and 15mm copper piping, with left or right hand, same end connections for flow and return, gives flexibility of installation.

Lockshield valve

Able to withstand 10 bar static pressure, the valve has a drain tap adaptor available, which can also be used as a filling point. Mandatory fittings should be used in order to comply with current water regulations.

Connections

Each Stelrad LST Plus radiator has 2 x 1/2" connections as standard, complete with Danfoss remote sensing thermostatic radiator valve, pre-piped with 2 x 1/2" BSP connections at 50mm centres positioned at either left or right of the casing.



Accommodated within the casing, the Stelrad LST Plus emitter, with TBSE valve arrangement and 2 x 1/2" BSP connections as standard.



The remote sensing thermostatic valve gives accuracy of operation and the limiting device is completely hidden to prevent the maximum temperature being exceeded.



Optional cover cap to discourage unauthorised tampering.



An arthritic adaptor is supplied as standard for special needs environments.



Robust packaging protects the emitter and casing during storage and transit to ensure the product arrives in pristine condition.



The Stelrad STARS Heatloss Calculator contains an inbuilt U value calculator.

Save time and effort by using the Stelrad STARS program – the perfect solution for accurate sizing and design flexibility.

LST Standard & LST Plus temperature table

TEMPERATURES

Factors for differences between mean water temperature and room temperature in °C and °F other than 50°C (90°F)

°C		°F	
5	0.050	10	0.057
10	0.123	20	0.142
15	0.209	30	0.240
20	0.304	40	0.348
25	0.406	50	0.466
30	0.515	60	0.590
35	0.629	70	0.721
40	0.748	80	0.858
45	0.872	90	1.000
50	1.000		

To apply the factors shown in the table above to our quoted outputs, multiply the quoted output by the chosen operating factor to give the new output.

To apply the factor to the required output, divide the required output by the factor to give the correct radiator from the LST range.

Testing and operating pressures

All models are high pressure tested to withstand 152.3 psi (10.5 bar), to perform at a maximum working pressure of 116 psi (8 bar) at a maximum temperature of 80°C.

Caution

To ensure that the emitter complies with all aspects of the NHS guidance for “Safe hot water and surface temperature”, Stelrad recommends that a maximum flow temperature of 80° be used with a 20° drop across the system.

When designing for domestic systems we recommend that the Stelrad LST range be used only in heating systems complying with the British Standard Code of Practice for Central Heating for Domestic Premises BS EN 2828:2003 and BS EN 12831:2003.

Single feed, indirect cylinders are not recommended as should interchange of water occur, fresh aerated water would enter the heating system, resulting in corrosion.

Water treatment

On completion of the installation, the system should be properly flushed and filled in accordance with the British Standard Code of Practice for the Treatment of Water in Domestic Hot Water Central Heating Systems BS 7593:2006.

This will remove flux residues and installation debris, which might promote corrosion and damage within the system.

If it is decided to apply a high performance corrosion inhibitor to maximise the working life of the system, it should be applied in accordance with the manufacturer's instructions and should be suitable for the particular metals within the system.

A comprehensive range of quality chemicals including inhibitors, cleaners, leak sealers and noise reducers that protect and maintain central heating systems can be obtained from:

Sentinel Performance Solutions Ltd
The Heath Business & Technical Park, Runcorn,
Cheshire WA7 4QX

Tel: 01928 588 330 (UK)

Fernox - Cookson Electronics,
Forsyth Road, Sheerwater, Woking,
Surrey GU21 5RZ

Tel: 01483 793200

Anti-bacterial paint

Every Stelrad LST emitter is subjected to a multi-stage cleaning process before the paint is applied. This involves several rinsing stages, including an iron phosphate and demineralisation phase.

The first coat of paint is applied by electrophoresis and the radiator is then stoved and cooled. Followed by a second powder coat in warm white, the emitter then goes through a final curing stage. It is then allowed to cool prior to packaging.

All exposed painted surfaces are finished in a long lasting anti-bacterial coating.

For further information and advice call Technical Support on: 01482 498663.

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- Extensive control options to optimise system performance
- Low NOx emissions
- 2 years parts and labour warranty

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We offer developers and specifiers a comprehensive heating system design service.

Please contact us on 0191 261 5106.

Heat outputs stated at 30 and 40 degrees C are based on a standard n-coefficient of 1.3.

Whilst every effort is made to provide accurate information, we reserve the right to change specifications and availability without prior notice.

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