

FEATURING  
IMPROVED OUTPUTS  
AND NEW 10 YEAR  
WARRANTY



THE  
STELRAD  
ELITE

Cl/Sb				
	56			

**More Choice, Superb Quality, Extra Performance.  
The Perfect Solution for Naked Radiator Applications.**

**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.

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

**MORE CHOICE FOR  
APPLICATION FLEXIBILITY**

A range of 216 models provides extra sizing flexibility to cover a multitude of application requirements.

Four heights, with increments from as little as 100mm, with the longest length at 3000mm, the range also includes one of the smallest stock radiators on the market at just 400mm long, as well as one of the slimmest double panel radiators at just 77mm wide.

Flexibility of installation doesn't just mean greater choice of sizing either. There are specifically designed accessories to ensure that situations such as tiled walls can be overcome using items such as floor standing brackets.

**SUPERB QUALITY FROM  
DESIGN TO INSTALLATION**

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

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 is a warm white to blend with all styles of décor. All wrapped up in a newly designed, robust but practical packaging to provide a product of distinction with nationwide availability.



FOR THAT HIGHER SPECIFICATION REQUIREMENT, OPTIONAL TOP GRILLES AND END PANELS ARE AVAILABLE FOR A TRULY STYLISH FINISHING TOUCH.

ROBUST, BUT PRACTICAL PACKAGING PROTECTS THE RADIATOR DURING STORAGE, TRANSIT AND INSTALLATION. COMPLETE WITH FITTINGS AND COLOUR CODED LABELS FOR EASY IDENTIFICATION.

FOR EASY CALCULATIONS AND GREATER ACCURACY OF SIZING THE STELRAD STARS HEAT LOSS AND DESIGN PROGRAMS ARE AVAILABLE. CALL 0800 318 680 FOR FURTHER INFORMATION.



# Stelrad Elite Technical Data & Dimensions

Note: Products over 2m long and all P1s are produced to order.

## HEIGHT 300

## HEIGHT 450

## HEIGHT 600

## HEIGHT 700



### Outputs at Operating Temperature 90/70/20°C

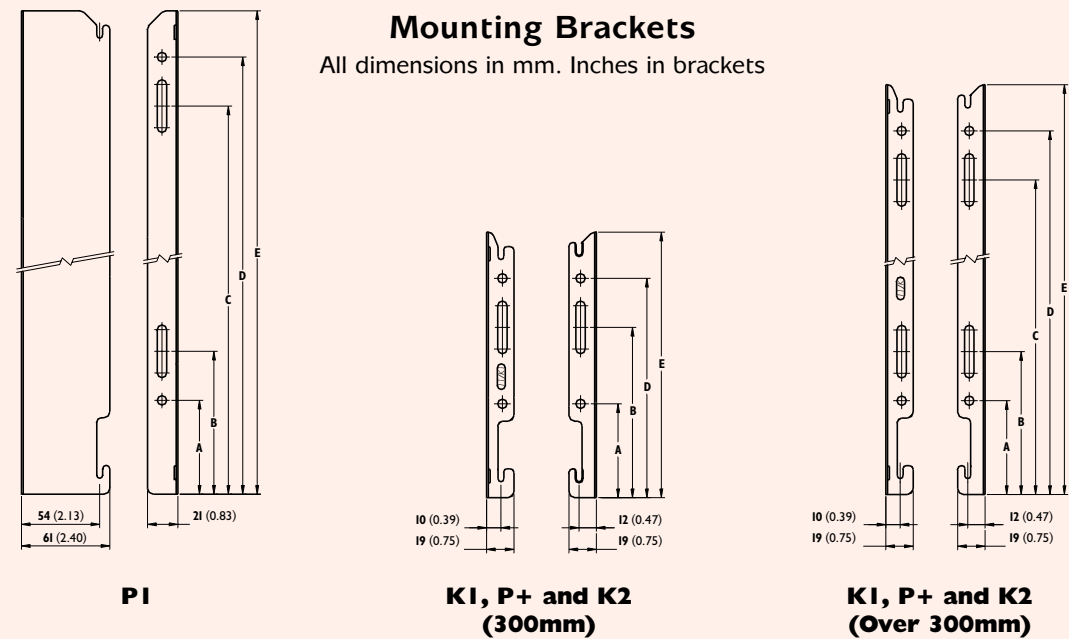
HEIGHT	LENGTH (Approx)		SECTION		KI		P+		K2		P1	
	mm	in	Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr	Watts	Btu/hr
300	500	19.7	15	329	1121	494	1687	645	2201	-	-	-
	1000	39.4	30	657	2242	989	3374	1290	4403	-	-	-
	1500	59.1	45	986	3364	1483	5059	1936	6605	-	-	-
	2000	78.7	60	1314	4484	1978	6748	2581	8806	-	-	-
	2500	98.4	75	1643	5605	2472	8434	3226	11007	-	-	-
	3000	118.1	90	1971	6725	2966	10121	3871	13209	-	-	-
	400	15.7	12	389	1329	564	1923	718	2452	241	823	-
	500	19.7	15	487	1661	705	2404	898	3065	302	1029	-
	600	23.6	18	584	1993	845	2885	1078	3677	362	1235	-
	700	27.6	21	682	2326	986	3365	1257	4290	422	1441	-
800	31.5	24	779	2658	1127	3846	1437	4903	483	1646	-	
900	35.4	27	876	2990	1268	4327	1617	5516	543	1852	-	
1000	39.4	30	974	3322	1409	4808	1796	6129	603	2058	-	
1100	43.3	33	1071	3654	1550	5289	1976	6742	-	-	-	
1200	47.2	36	1168	3987	1691	5769	2155	7355	724	2470	-	
1400	55.1	42	1363	4651	1973	6731	2515	8581	844	2881	-	
1600	63.0	48	1558	5316	2254	7692	2874	9806	965	3293	-	
1800	70.9	54	1753	5980	2536	8654	3233	11032	-	-	-	
2000	78.7	60	1947	6644	2818	9616	3592	12258	1206	4116	-	
2200	86.6	66	2142	7309	3100	10577	3952	13484	-	-	-	
2400	94.5	72	2337	7973	3382	11539	4311	14710	1448	4939	-	
2600	102.4	78	2531	8638	3663	12500	4670	15935	-	-	-	
2800	110.2	84	2726	9302	3945	13462	5029	17161	-	-	-	
3000	118.1	90	2921	9967	4227	14423	5389	18387	-	-	-	
400	15.7	12	506	1726	718	2450	906	3093	310	1058	-	
500	19.7	15	632	2158	897	3062	1133	3866	388	1322	-	
600	23.6	18	759	2589	1077	3674	1360	4639	465	1587	-	
700	27.6	21	885	3021	1256	4287	1586	5413	543	1851	-	
800	31.5	24	1012	3452	1436	4899	1813	6186	620	2116	-	
900	35.4	27	1138	3884	1615	5511	2040	6959	698	2380	-	
1000	39.4	30	1265	4315	1795	6124	2266	7732	775	2645	-	
1100	43.3	33	1391	4747	1974	6736	2493	8506	-	-	-	
1200	47.2	36	1518	5178	2154	7349	2719	9279	930	3174	-	
1400	55.1	42	1771	6041	2513	8573	3173	10825	1085	3703	-	
1600	63.0	48	2024	6905	2872	9798	3626	12372	1240	4232	-	
1800	70.9	54	2276	7768	3231	11023	4079	13918	-	-	-	
2000	78.7	60	2529	8631	3589	12248	4532	15465	1550	5290	-	
2200	86.6	66	2782	9494	3948	13473	4986	17011	-	-	-	
2400	94.5	72	3035	10357	4307	14697	5439	18558	1860	6348	-	
2600	102.4	78	3288	11220	4666	15922	5892	20104	-	-	-	
2800	110.2	84	3541	12083	5025	17147	6345	21651	-	-	-	
3000	118.1	90	3794	12946	5384	18372	6798	23197	-	-	-	
400	15.7	12	578	1972	815	2781	1026	3502	340	1161	-	
500	19.7	15	722	2464	1019	3477	1283	4378	425	1452	-	
600	23.6	18	867	2957	1223	4172	1540	5253	511	1742	-	
700	27.6	21	1011	3450	1426	4867	1796	6129	596	2033	-	
800	31.5	24	1156	3943	1630	5562	2053	7005	681	2323	-	
900	35.4	27	1300	4436	1834	6258	2309	7880	766	2613	-	
1000	39.4	30	1445	4929	2038	6953	2566	8756	851	2904	-	
1100	43.3	33	1589	5422	2242	7648	2823	9631	-	-	-	
1200	47.2	36	1733	5915	2445	8344	3079	10507	1021	3484	-	
1400	55.1	42	2022	6900	2853	9734	3593	12258	1191	4065	-	
1600	63.0	48	2311	7886	3260	11125	4106	14009	1362	4646	-	
1800	70.9	54	2600	8872	3668	12515	4619	15760	-	-	-	
2000	78.7	60	2889	9858	4075	13906	5132	17512	1702	5807	-	
2200	86.6	66	3178	10844	4483	15297	5645	19263	-	-	-	
2400	94.5	72	3467	11829	4891	16687	6159	21014	2042	6969	-	
2600	102.4	78	3756	12815	5298	18078	6672	22765	-	-	-	
2800	110.2	84	4045	13801	5706	19468	7185	24516	-	-	-	
3000	118.1	90	4334	14787	6113	20859	7698	26267	-	-	-	

### EN 442 Certification Data - HLK tested in accordance with BS EN 442

Type	KI				P+				K2				P1			
Height	300	450	600	700	300	450	600	700	300	450	600	700	300	450	600	700
W/m at 75/65/20	517	768	1000	1142	776	1106	1409	1597	1012	1409	1778	2011	338	476	610	699
n-coefficients	1.31	1.30	1.29	1.29	1.33	1.33	1.34	1.33	1.33	1.33	1.34	1.28	1.30	1.31	1.31	1.32
Heated Surface Area (m <sup>2</sup> )	2.09	3.37	4.66	5.51	2.44	3.84	5.24	6.18	3.51	5.62	7.74	9.15	0.68	1.03	1.37	1.60
Weight (kg/m)	8.38	13.34	18.30	21.33	13.71	21.31	28.90	33.50	15.90	23.70	31.50	36.13	6.17	9.25	12.33	14.19
Water Contents (l/m)	1.89	2.57	3.25	3.77	3.70	5.15	6.60	7.63	3.70	5.15	6.60	7.63	1.89	2.57	3.25	3.77

### Mounting Brackets

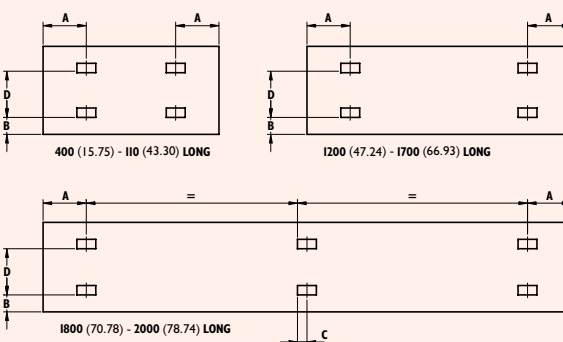
All dimensions in mm. Inches in brackets



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

### K1, P+, K2 and P1 Lug Positions

All dimensions in mm. Inches in brackets

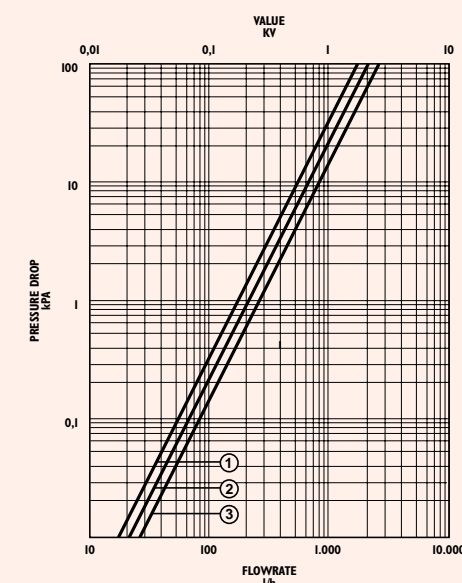


P1, P+ & K2 mm (in)		KI mm (in)	
A	133 (5.24)	A	400mm
B	85 (3.35)	A	500 - 3000mm
		B	400 - 3000mm
		C	1800 - 3000mm

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

### Pressure Drops



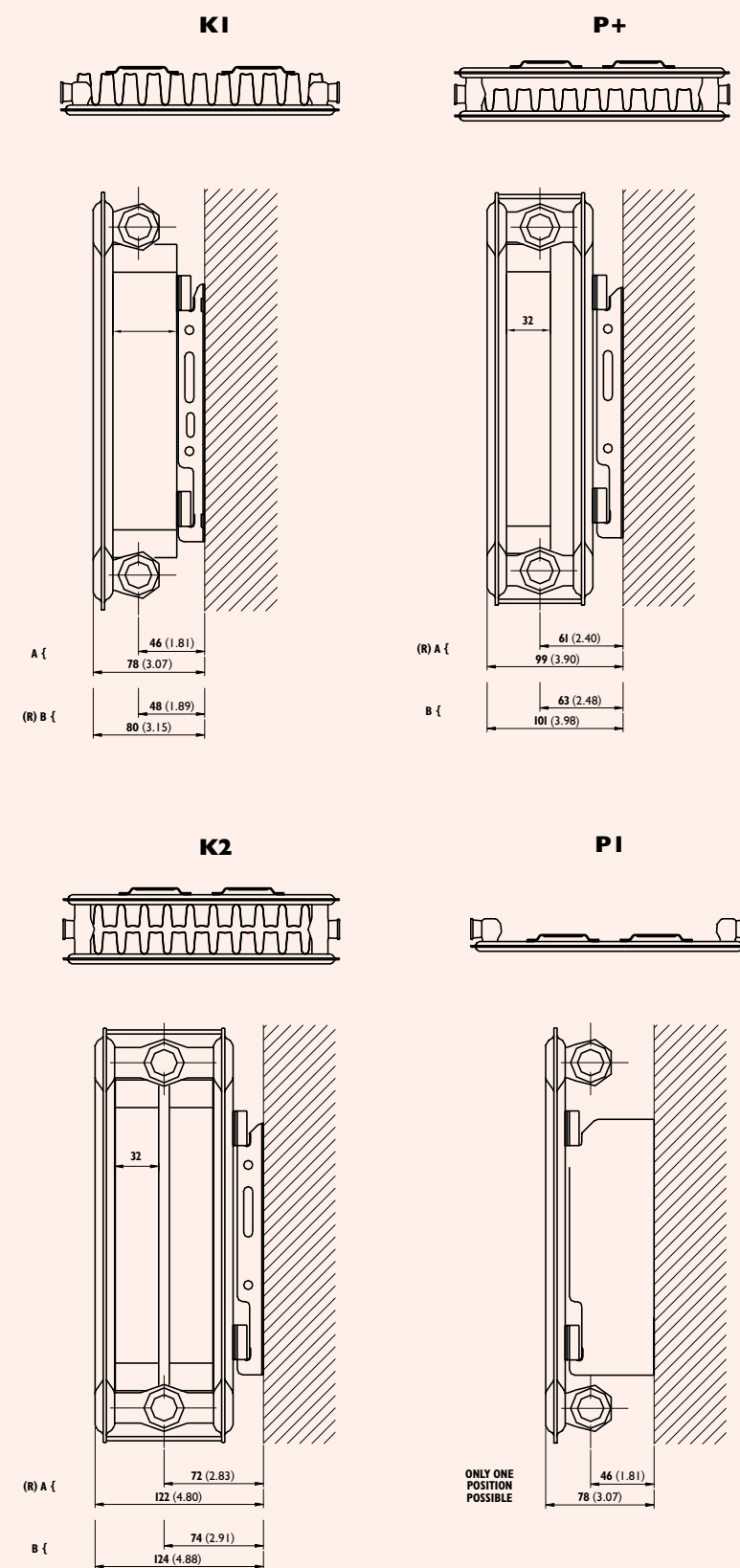
- ① Type 10 (P1), 11 (K1)
- ② Type 21 (P+), 22 (K2)
- ③ Type 33 (K3)

### Technical Product Detail

Height	Surface (m <sup>2</sup> ) (average per section)				Volume (Litres) (average per section)				Dry Weight (kg) (average per section)			
	KI	P+	K2	PI	KI	P+	K2	PI	KI	P+	K2	PI
300	0.06196	0.08646	0.12392	0.02450	0.056	0.11	0.11	0.056	0.28	0.50	0.56	0.33
450	0.09839	0.13444	0.19678	0.03605	0.084	0.17	0.17	0.084	0.43	0.76	0.86	0.51
600	0.13485	0.18246	0.26970	0.04761	0.097	0.19	0.19	0.097	0.58	1.02	1.16	0.70
700	0.15911	0.21442	0.31822	0.05531	0.107	0.21	0.21	0.107	0.68	1.19	1.36	0.84

### Wall Mounting Information

All dimensions in mm. Inches in brackets

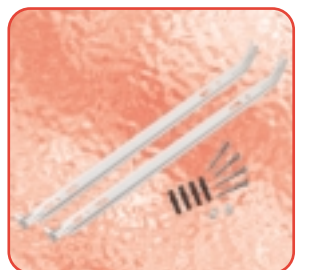


### Bracket Position

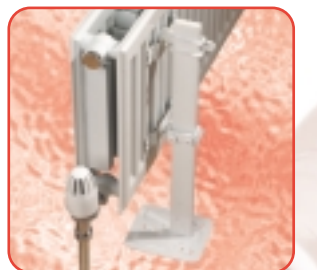
A = Closest to Wall B = Furthest from Wall (R) = Recommended Mounting Position



ALL FIXING REQUIREMENTS ARE COMPLETE WITHIN THE PACKAGING.



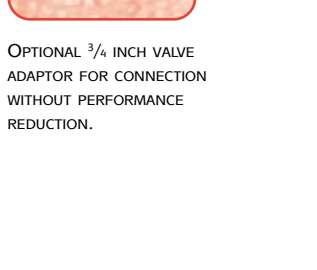
CONTINENTAL BRACKETS ARE AVAILABLE FOR A SECURE FIXING IN COMMERCIAL APPLICATIONS.



FLOOR STANDING BRACKETS PROVIDE A PRACTICAL SOLUTION FOR STANDARD AND TOWEL RAIL MODELS, WHERE SITUATIONS, SUCH AS TILED WALLS, CREATE INSTALLATION DIFFICULTIES.



OPTIONAL EXTENSION PIECES FOR EASY REPLACEMENT.



OPTIONAL 1/4 INCH VALVE ADAPTOR FOR CONNECTION WITHOUT PERFORMANCE REDUCTION.

### TEMPERATURE TABLE

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.

TEMPERATURES		
Factors for differences between mean water temperature and room temperature in °C and °F other than 60°C (120°F)		
°C	°F	Factor
5°C	41°F	0.046
10°C	50°F	0.108
15°C	59°F	0.179
20°C	68°F	0.256
25°C	77°F	0.338
30°C	86°F	0.423
35°C	95°F	0.512
40°C	104°F	0.605
45°C	113°F	0.700
50°C	122°F	0.798
55°C	131°F	0.898
60°C	140°F	1.000
65°C	149°F	1.104
70°C	158°F	1.211
75°C	167°F	1.319

To apply the factor to the 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 3/8 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.

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

### INSTALLATION