Stelrad

Declaration of performance
No. DoP-ISG2002

1. Unique identification code of the product-type:

Group code: **ECB9**
Product name: **Stelrad Compact**

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

Batch number: see packaging of the product.

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Heat emitters for central heating systems to be supplied with hot water and steam below 120°C from a remote heat source (boiler or similar).

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

Ideal Stelrad Group
69-75 Side
Newcastle Upon Tyne
NE1 3JE
United Kingdom

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12 (2):

Not applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 3

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

Institut für GebäudeEnergetik, Universität Stuttgart
Pfaffenwaldring 35
70569 Stuttgart, Deutschland
Identification number: 0626

performed the assessment and evaluation of the product under system 3 by determination of the product-type on the basis of type testing

and issued the corresponding test reports.

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Not applicable

9. Declared performance:

Essential characteristic	Performance	Harmonized technical specification
Reaction to fire	A1	EN 442-1:1995/A1:2003
Release of dangerous substances	None	EN 442-1:1995/A1:2003
Pressure tightness	Pass 1300kPa	EN 442-1:1995/A1:2003
Surface temperature	Maximum 95 °C	EN 442-1:1995/A1:2003
Resistance to pressure	Pass 1690kPa	EN 442-1:1995/A1:2003
Rated thermal outputs	See Annex 1	EN 442-1:1995/A1:2003
Thermal output in different operating conditions	$\Phi = (K_M \times \Delta T^n) \times L/1000$ (K_M , n and L : see Annex 1)	EN 442-1:1995/A1:2003

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

.....
Steve Franey
Quality Manager
Stelrad Radiators

.....
David Taylor
Operations Director
Stelrad Radiators

Date 2-SEPT-2015

Annex 1

UK type	Type	Height (mm)	Length (mm)	Heat output at ΔT50 (W)	n-coefficient	Km
P1	10	0450	0400	190	1.3306	2.6009
P1	10	0450	0500	238	1.3306	2.6009
P1	10	0450	0600	286	1.3306	2.6009
P1	10	0450	0700	333	1.3306	2.6009
P1	10	0450	0800	381	1.3306	2.6009
P1	10	0450	0900	428	1.3306	2.6009
P1	10	0450	1000	476	1.3306	2.6009
P1	10	0450	1200	571	1.3306	2.6009
P1	10	0450	1400	666	1.3306	2.6009
P1	10	0450	1600	762	1.3306	2.6009
P1	10	0450	2000	952	1.3306	2.6009
P1	10	0450	2400	1142	1.3306	2.6009
P1	10	0600	0400	244	1.3252	3.4691
P1	10	0600	0500	305	1.3252	3.4691
P1	10	0600	0600	366	1.3252	3.4691
P1	10	0600	0700	427	1.3252	3.4691
P1	10	0600	0800	488	1.3252	3.4691
P1	10	0600	0900	549	1.3252	3.4691
P1	10	0600	1000	610	1.3252	3.4691
P1	10	0600	1200	732	1.3252	3.4691
P1	10	0600	1400	854	1.3252	3.4691
P1	10	0600	1600	976	1.3252	3.4691
P1	10	0600	2000	1220	1.3252	3.4691
P1	10	0600	2400	1464	1.3252	3.4691

Annex 1

UK type	Type	Height (mm)	Length (mm)	Heat output at ΔT50 (W)	n-coefficient	Km
P1	10	0700	0400	280	1.326	3.9946
P1	10	0700	0500	350	1.326	3.9946
P1	10	0700	0600	419	1.326	3.9946
P1	10	0700	0700	489	1.326	3.9946
P1	10	0700	0800	559	1.326	3.9946
P1	10	0700	0900	629	1.326	3.9946
P1	10	0700	1000	699	1.326	3.9946
P1	10	0700	1200	839	1.326	3.9946
P1	10	0700	1400	979	1.326	3.9946
P1	10	0700	1600	1118	1.326	3.9946
P1	10	0700	2000	1398	1.326	3.9946
P1	10	0700	2400	1678	1.326	3.9946
K1	11	0300	0500	255	1.3216	2.8931
K1	11	0300	1000	509	1.3216	2.8931
K1	11	0300	1500	764	1.3216	2.8931
K1	11	0300	2000	1018	1.3216	2.8931
K1	11	0300	2500	1273	1.3216	2.8931
K1	11	0300	3000	1527	1.3216	2.8931
K1	11	0450	0400	302	1.3068	4.5531
K1	11	0450	0500	378	1.3068	4.5531
K1	11	0450	0600	454	1.3068	4.5531
K1	11	0450	0700	529	1.3068	4.5531
K1	11	0450	0800	605	1.3068	4.5531
K1	11	0450	0900	680	1.3068	4.5531

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UK type	Type	Height (mm)	Length (mm)	Heat output at ΔT50 (W)	n-coefficient	Km
K1	11	0450	1000	756	1.3068	4.5531
K1	11	0450	1100	832	1.3068	4.5531
K1	11	0450	1200	907	1.3068	4.5531
K1	11	0450	1400	1058	1.3068	4.5531
K1	11	0450	1600	1210	1.3068	4.5531
K1	11	0450	1800	1361	1.3068	4.5531
K1	11	0450	2000	1512	1.3068	4.5531
K1	11	0450	2200	1663	1.3068	4.5531
K1	11	0450	2400	1814	1.3068	4.5531
K1	11	0450	2600	1966	1.3068	4.5531
K1	11	0450	2800	2117	1.3068	4.5531
K1	11	0450	3000	2268	1.3068	4.5531
K1	11	0500	0400	333	1.3018	5.1159
K1	11	0500	0500	417	1.3018	5.1159
K1	11	0500	0600	500	1.3018	5.1159
K1	11	0500	0700	583	1.3018	5.1159
K1	11	0500	0800	666	1.3018	5.1159
K1	11	0500	0900	750	1.3018	5.1159
K1	11	0500	1000	833	1.3018	5.1159
K1	11	0500	1100	916	1.3018	5.1159
K1	11	0500	1200	1000	1.3018	5.1159
K1	11	0500	1300	1083	1.3018	5.1159
K1	11	0500	1400	1166	1.3018	5.1159
K1	11	0500	1500	1250	1.3018	5.1159

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UK type	Type	Height (mm)	Length (mm)	Heat output at ΔT50 (W)	n-coefficient	Km
K1	11	0500	1600	1333	1.3018	5.1159
K1	11	0500	1800	1499	1.3018	5.1159
K1	11	0500	2000	1666	1.3018	5.1159
K1	11	0600	0400	392	1.2919	6.2564
K1	11	0600	0500	490	1.2919	6.2564
K1	11	0600	0600	588	1.2919	6.2564
K1	11	0600	0700	686	1.2919	6.2564
K1	11	0600	0800	784	1.2919	6.2564
K1	11	0600	0900	882	1.2919	6.2564
K1	11	0600	1000	980	1.2919	6.2564
K1	11	0600	1100	1078	1.2919	6.2564
K1	11	0600	1200	1176	1.2919	6.2564
K1	11	0600	1400	1372	1.2919	6.2564
K1	11	0600	1600	1568	1.2919	6.2564
K1	11	0600	1800	1764	1.2919	6.2564
K1	11	0600	2000	1960	1.2919	6.2564
K1	11	0600	2200	2156	1.2919	6.2564
K1	11	0600	2400	2352	1.2919	6.2564
K1	11	0600	2600	2548	1.2919	6.2564
K1	11	0600	2800	2744	1.2919	6.2564
K1	11	0600	3000	2940	1.2919	6.2564
K1	11	0700	0400	447	1.2919	7.1311
K1	11	0700	0500	559	1.2919	7.1311
K1	11	0700	0600	670	1.2919	7.1311

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UK type	Type	Height (mm)	Length (mm)	Heat output at ΔT50 (W)	n-coefficient	Km
K1	11	0700	0700	782	1.2919	7.1311
K1	11	0700	0800	894	1.2919	7.1311
K1	11	0700	0900	1005	1.2919	7.1311
K1	11	0700	1000	1117	1.2919	7.1311
K1	11	0700	1100	1229	1.2919	7.1311
K1	11	0700	1200	1340	1.2919	7.1311
K1	11	0700	1400	1564	1.2919	7.1311
K1	11	0700	1600	1787	1.2919	7.1311
K1	11	0700	1800	2011	1.2919	7.1311
K1	11	0700	2000	2234	1.2919	7.1311
K1	11	0700	2200	2457	1.2919	7.1311
K1	11	0700	2400	2681	1.2919	7.1311
K1	11	0700	2600	2904	1.2919	7.1311
K1	11	0700	2800	3128	1.2919	7.1311
K1	11	0700	3000	3351	1.2919	7.1311
P+	21	0300	0500	373	1.3297	4.1024
P+	21	0300	1000	745	1.3297	4.1024
P+	21	0300	1500	1118	1.3297	4.1024
P+	21	0300	2000	1490	1.3297	4.1024
P+	21	0300	2500	1863	1.3297	4.1024
P+	21	0300	3000	2235	1.3297	4.1024
P+	21	0450	0400	422	1.3339	5.7147
P+	21	0450	0500	528	1.3339	5.7147
P+	21	0450	0600	633	1.3339	5.7147

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UK type	Type	Height (mm)	Length (mm)	Heat output at ΔT50 (W)	n-coefficient	Km
P+	21	0450	0700	739	1.3339	5.7147
P+	21	0450	0800	844	1.3339	5.7147
P+	21	0450	0900	950	1.3339	5.7147
P+	21	0450	1000	1055	1.3339	5.7147
P+	21	0450	1100	1161	1.3339	5.7147
P+	21	0450	1200	1266	1.3339	5.7147
P+	21	0450	1400	1477	1.3339	5.7147
P+	21	0450	1600	1688	1.3339	5.7147
P+	21	0450	1800	1899	1.3339	5.7147
P+	21	0450	2000	2110	1.3339	5.7147
P+	21	0450	2200	2321	1.3339	5.7147
P+	21	0450	2400	2532	1.3339	5.7147
P+	21	0450	2600	2743	1.3339	5.7147
P+	21	0450	2800	2954	1.3339	5.7147
P+	21	0450	3000	3165	1.3339	5.7147
P+	21	0600	0400	538	1.3381	7.1669
P+	21	0600	0500	673	1.3381	7.1669
P+	21	0600	0600	807	1.3381	7.1669
P+	21	0600	0700	942	1.3381	7.1669
P+	21	0600	0800	1076	1.3381	7.1669
P+	21	0600	0900	1211	1.3381	7.1669
P+	21	0600	1000	1345	1.3381	7.1669
P+	21	0600	1100	1480	1.3381	7.1669
P+	21	0600	1200	1614	1.3381	7.1669

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UK type	Type	Height (mm)	Length (mm)	Heat output at ΔT50 (W)	n-coefficient	Km
P+	21	0600	1400	1883	1.3381	7.1669
P+	21	0600	1600	2152	1.3381	7.1669
P+	21	0600	1800	2421	1.3381	7.1669
P+	21	0600	2000	2690	1.3381	7.1669
P+	21	0600	2200	2959	1.3381	7.1669
P+	21	0600	2400	3228	1.3381	7.1669
P+	21	0600	2600	3497	1.3381	7.1669
P+	21	0600	2800	3766	1.3381	7.1669
P+	21	0600	3000	4035	1.3381	7.1669
P+	21	0700	0400	612	1.3381	8.1527
P+	21	0700	0500	765	1.3381	8.1527
P+	21	0700	0600	918	1.3381	8.1527
P+	21	0700	0700	1071	1.3381	8.1527
P+	21	0700	0800	1224	1.3381	8.1527
P+	21	0700	0900	1377	1.3381	8.1527
P+	21	0700	1000	1530	1.3381	8.1527
P+	21	0700	1100	1683	1.3381	8.1527
P+	21	0700	1200	1836	1.3381	8.1527
P+	21	0700	1400	2142	1.3381	8.1527
P+	21	0700	1600	2448	1.3381	8.1527
P+	21	0700	1800	2754	1.3381	8.1527
P+	21	0700	2000	3060	1.3381	8.1527
P+	21	0700	2200	3366	1.3381	8.1527
P+	21	0700	2400	3672	1.3381	8.1527

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UK type	Type	Height (mm)	Length (mm)	Heat output at ΔT50 (W)	n-coefficient	Km
P+	21	0700	2600	3978	1.3381	8.1527
P+	21	0700	2800	4284	1.3381	8.1527
P+	21	0700	3000	4590	1.3381	8.1527
K2	22	0300	0500	491	1.3264	5.4777
K2	22	0300	1000	982	1.3264	5.4777
K2	22	0300	1500	1473	1.3264	5.4777
K2	22	0300	2000	1964	1.3264	5.4777
K2	22	0300	2500	2455	1.3264	5.4777
K2	22	0300	3000	2946	1.3264	5.4777
K2	22	0450	0400	548	1.3305	7.5259
K2	22	0450	0500	686	1.3305	7.5259
K2	22	0450	0600	823	1.3305	7.5259
K2	22	0450	0700	960	1.3305	7.5259
K2	22	0450	0800	1097	1.3305	7.5259
K2	22	0450	0900	1234	1.3305	7.5259
K2	22	0450	1000	1371	1.3305	7.5259
K2	22	0450	1100	1508	1.3305	7.5259
K2	22	0450	1200	1645	1.3305	7.5259
K2	22	0450	1400	1919	1.3305	7.5259
K2	22	0450	1600	2194	1.3305	7.5259
K2	22	0450	1800	2468	1.3305	7.5259
K2	22	0450	2000	2742	1.3305	7.5259
K2	22	0450	2200	3016	1.3305	7.5259
K2	22	0450	2400	3290	1.3305	7.5259

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UK type	Type	Height (mm)	Length (mm)	Heat output at ΔT50 (W)	n-coefficient	Km
K2	22	0450	2600	3565	1.3305	7.5259
K2	22	0450	2800	3839	1.3305	7.5259
K2	22	0450	3000	4113	1.3305	7.5259
K2	22	0500	0400	598	1.3319	8.1563
K2	22	0500	0500	747	1.3319	8.1563
K2	22	0500	0600	896	1.3319	8.1563
K2	22	0500	0700	1046	1.3319	8.1563
K2	22	0500	0800	1195	1.3319	8.1563
K2	22	0500	0900	1345	1.3319	8.1563
K2	22	0500	1000	1494	1.3319	8.1563
K2	22	0500	1100	1643	1.3319	8.1563
K2	22	0500	1200	1793	1.3319	8.1563
K2	22	0500	1300	1942	1.3319	8.1563
K2	22	0500	1400	2092	1.3319	8.1563
K2	22	0500	1500	2241	1.3319	8.1563
K2	22	0500	1600	2390	1.3319	8.1563
K2	22	0500	1800	2689	1.3319	8.1563
K2	22	0500	2000	2988	1.3319	8.1563
K2	22	0600	0400	693	1.3346	9.3563
K2	22	0600	0500	866	1.3346	9.3563
K2	22	0600	0600	1039	1.3346	9.3563
K2	22	0600	0700	1212	1.3346	9.3563
K2	22	0600	0800	1386	1.3346	9.3563
K2	22	0600	0900	1559	1.3346	9.3563

Annex 1

UK type	Type	Height (mm)	Length (mm)	Heat output at ΔT50 (W)	n-coefficient	Km
K2	22	0600	1000	1732	1.3346	9.3563
K2	22	0600	1100	1905	1.3346	9.3563
K2	22	0600	1200	2078	1.3346	9.3563
K2	22	0600	1400	2425	1.3346	9.3563
K2	22	0600	1600	2771	1.3346	9.3563
K2	22	0600	1800	3118	1.3346	9.3563
K2	22	0600	2000	3464	1.3346	9.3563
K2	22	0600	2200	3810	1.3346	9.3563
K2	22	0600	2400	4157	1.3346	9.3563
K2	22	0600	2600	4503	1.3346	9.3563
K2	22	0600	2800	4850	1.3346	9.3563
K2	22	0600	3000	5196	1.3346	9.3563
K2	22	0700	0400	784	1.3385	10.4329
K2	22	0700	0500	981	1.3385	10.4329
K2	22	0700	0600	1177	1.3385	10.4329
K2	22	0700	0700	1373	1.3385	10.4329
K2	22	0700	0800	1569	1.3385	10.4329
K2	22	0700	0900	1765	1.3385	10.4329
K2	22	0700	1000	1961	1.3385	10.4329
K2	22	0700	1100	2157	1.3385	10.4329
K2	22	0700	1200	2353	1.3385	10.4329
K2	22	0700	1400	2745	1.3385	10.4329
K2	22	0700	1600	3138	1.3385	10.4329
K2	22	0700	1800	3530	1.3385	10.4329

Annex 1

UK type	Type	Height (mm)	Length (mm)	Heat output at ΔT50 (W)	n-coefficient	Km
K2	22	0700	2000	3922	1.3385	10.4329
K2	22	0700	2200	4314	1.3385	10.4329
K2	22	0700	2400	4706	1.3385	10.4329
K2	22	0700	2600	5099	1.3385	10.4329
K2	22	0700	2800	5491	1.3385	10.4329
K2	22	0700	3000	5883	1.3385	10.4329