

Castrads®

Declaration of Performance

No. 202009-1131-US

Rococo I 37in

Unique product code:	CI-RC1-950
Type, batch or serial number:	CI-RC1-950
Intended use of the construction product:	In heating systems in buildings
Manufacturer:	Castrads Ltd 1 Kenwood Road North Reddish SK5 6PH, Manchester, United Kingdom
Test standard:	EN 442-1:2014
Test laboratory:	BSRIA
Test report number:	101885/2

Declared performance

Essential characteristics	Performance	Reference standard
Reaction to fire	A1 — non-combustible	
Release of dangerous substances	None	
Pressure tightness	No leakage at 1.3 × maximum working pressure (psi)	
Surface temperature	Maximum 248 °F	
Resistance to pressure	No breakage at 1.69 × maximum working pressure (psi) Maximum working pressure: 145 psi	EN 442-1:2014
Rated thermal outputs	See appendix 1	
Thermal output in different operating conditions (characteristic curve)	$\phi = K_m \cdot \Delta T^n$. See appendix for factor K_m and exponent n .	
Resistance against corrosion	No corrosion after 100h humidity	
Resistance against minor impact	Class 0	

Performance values are derived from testing to EN 442-1:2014 and are presented here in US customary units for the North American market. This document is a statement of manufacturer performance data; it is not issued under, and does not imply conformity with, any US regulatory or certification scheme.

Signed for and on behalf of the manufacturer by:

Nick Baylis
CEO
Syosset, England
27th August 2026





Appendix to DoP No. 202009-1131-US: Dimensions and thermal outputs

Panel dimensions: 37.4 in (950 mm) high when floor standing, 5.5 in (140 mm) deep, for all numbers of sections. See table for length.

SKU	Num of sec.	Length, in	Output (Hydronic, 170°F)	Output (Steam, 215°F)	EDR	Factor, Km	Exponent, n
CI-RC1-950-03	3	10.2	1,254	2,009	8.2	2.015	1.2896
CI-RC1-950-04	4	13.1	1,672	2,679	11.0	2.686	1.2896
CI-RC1-950-05	5	16.1	2,090	3,349	13.7	3.358	1.2896
CI-RC1-950-06	6	19.1	2,508	4,019	16.5	4.030	1.2896
CI-RC1-950-07	7	22.1	2,926	4,688	19.2	4.701	1.2896
CI-RC1-950-08	8	25.1	3,344	5,358	21.9	5.373	1.2896
CI-RC1-950-09	9	28.1	3,763	6,028	24.7	6.044	1.2896
CI-RC1-950-10	10	31.1	4,181	6,698	27.4	6.716	1.2896
CI-RC1-950-11	11	34.1	4,599	7,367	30.2	7.388	1.2896
CI-RC1-950-12	12	37.1	5,017	8,037	32.9	8.059	1.2896
CI-RC1-950-13	13	40.1	5,435	8,707	35.6	8.731	1.2896
CI-RC1-950-14	14	43.1	5,853	9,377	38.4	9.403	1.2896
CI-RC1-950-15	15	46.1	6,271	10,046	41.1	10.074	1.2896
CI-RC1-950-16	16	49.1	6,689	10,716	43.9	10.746	1.2896
CI-RC1-950-17	17	52	7,107	11,386	46.6	11.417	1.2896
CI-RC1-950-18	18	55	7,525	12,056	49.4	12.089	1.2896
CI-RC1-950-19	19	58	7,943	12,725	52.1	12.761	1.2896
CI-RC1-950-20	20	61	8,361	13,395	54.8	13.432	1.2896
CI-RC1-950-21	21	64	8,779	14,065	57.6	14.104	1.2896
CI-RC1-950-22	22	67	9,197	14,735	60.3	14.775	1.2896
CI-RC1-950-23	23	70	9,615	15,404	63.1	15.447	1.2896
CI-RC1-950-24	24	73	10,033	16,074	65.8	16.119	1.2896
CI-RC1-950-25	25	76	10,451	16,744	68.5	16.790	1.2896
CI-RC1-950-26	26	79	10,869	17,414	71.3	17.462	1.2896
CI-RC1-950-27	27	82	11,288	18,083	74.0	18.133	1.2896
CI-RC1-950-28	28	85	11,706	18,753	76.8	18.805	1.2896
CI-RC1-950-29	29	88	12,124	19,423	79.5	19.477	1.2896
CI-RC1-950-30	30	90.9	12,542	20,093	82.3	20.148	1.2896
CI-RC1-950-31	31	93.9	12,960	20,762	85.0	20.820	1.2896
CI-RC1-950-32	32	96.9	13,378	21,432	87.7	21.492	1.2896
CI-RC1-950-33	33	99.9	13,796	22,102	90.5	22.163	1.2896
CI-RC1-950-34	34	102.9	14,214	22,772	93.2	22.835	1.2896
CI-RC1-950-35	35	105.9	14,632	23,441	96.0	23.506	1.2896
CI-RC1-950-36	36	108.9	15,050	24,111	98.7	24.178	1.2896
CI-RC1-950-37	37	111.9	15,468	24,781	101.4	24.850	1.2896
CI-RC1-950-38	38	114.9	15,886	25,451	104.2	25.521	1.2896
CI-RC1-950-39	39	117.9	16,304	26,121	106.9	26.193	1.2896
CI-RC1-950-40	40	120.9	16,722	26,790	109.7	26.864	1.2896

Output (Hydronic, 170°F): BTU/h at 170°F mean water, 68°F room. **Output (Steam, 215°F):** BTU/h at 215°F steam, 68°F room. **EDR:** square feet of Equivalent Direct Radiation at the reference condition (215°F steam, 70°F room; 1 sq ft = 240 BTU/h). Outputs are derived from the EN 442-1 power law $\phi = Km \times \Delta T^n$ (ΔT = mean water – room, °C); BTU/h rounded to whole numbers, EDR to one decimal place.