Declaration of Performance

No. 202009-1135-US

Rococo II 37in

Unique product code:	CI-RC2-950
Type, batch or serial number:	CI-RC2-950
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:	59847

Declared performance

Essential characteristics	Performance	Reference standard
Reaction to fire	A1 — non-combustible	EN 442-1:2014
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	
Rated thermal outputs	See appendix 1	
Thermal output in different operating conditions (characteristic curve)	$\varphi = Km \cdot \Delta T^{n}$. See appendix for factor Km 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

Castrads®

Appendix to DoP No. 202009-1135-US: Dimensions and thermal outputs

Panel dimensions: 37.4 in (950 mm) high when floor standing, 8.1 in (205 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-RC2-950-03	3	10.4	1,684	2,652	10.9	3.278	1.2421
CI-RC2-950-04	4	13.4	2,246	3,536	14.5	4.370	1.2421
CI-RC2-950-05	5	16.5	2,807	4,420	18.1	5.463	1.2421
CI-RC2-950-06	6	19.5	3,368	5,304	21.7	6.555	1.2421
CI-RC2-950-07	7	22.6	3,930	6,188	25.3	7.648	1.2421
CI-RC2-950-08	8	25.6	4,491	7,071	29.0	8.740	1.2421
CI-RC2-950-09	9	28.7	5,053	7,955	32.6	9.833	1.2421
CI-RC2-950-10	10	31.7	5,614	8,839	36.2	10.926	1.2421
CI-RC2-950-11	11	34.8	6,175	9,723	39.8	12.018	1.2421
CI-RC2-950-12	12	37.8	6,737	10,607	43.5	13.111	1.2421
CI-RC2-950-13	13	40.9	7,298	11,491	47.1	14.203	1.2421
CI-RC2-950-14	14	43.9	7,860	12,375	50.7	15.296	1.2421
CI-RC2-950-15	15	47	8,421	13,259	54.3	16.388	1.2421
CI-RC2-950-16	16	50	8,982	14,143	57.9	17.481	1.2421
CI-RC2-950-17	17	53.1	9,544	15,027	61.6	18.573	1.2421
CI-RC2-950-18	18	56.1	10,105	15,911	65.2	19.666	1.2421
CI-RC2-950-19	19	59.2	10,667	16,795	68.8	20.758	1.2421
CI-RC2-950-20	20	62.2	11,228	17,679	72.4	21.851	1.2421
CI-RC2-950-21	21	65.3	11,790	18,563	76.0	22.944	1.2421
CI-RC2-950-22	22	68.3	12,351	19,447	79.7	24.036	1.2421
CI-RC2-950-23	23	71.4	12,912	20,330	83.3	25.129	1.2421
CI-RC2-950-24	24	74.4	13,474	21,214	86.9	26.221	1.2421
CI-RC2-950-25	25	77.5	14,035	22,098	90.5	27.314	1.2421
CI-RC2-950-26	26	80.5	14,597	22,982	94.1	28.406	1.2421
CI-RC2-950-27	27	83.6	15,158	23,866	97.8	29.499	1.2421
CI-RC2-950-28	28	86.6	15,719	24,750	101.4	30.591	1.2421
CI-RC2-950-29	29	89.7	16,281	25,634	105.0	31.684	1.2421
CI-RC2-950-30	30	92.7	16,842	26,518	108.6	32.777	1.2421
CI-RC2-950-31	31	95.8	17,404	27,402	112.2	33.869	1.2421
CI-RC2-950-32	32	98.8	17,965	28,286	115.9	34.962	1.2421
CI-RC2-950-33	33	101.9	18,526	29,170	119.5	36.054	1.2421
CI-RC2-950-34	34	104.9	19,088	30,054	123.1	37.147	1.2421
CI-RC2-950-35	35	108	19,649	30,938	126.7	38.239	1.2421
CI-RC2-950-36	36	111	20,211	31,822	130.4	39.332	1.2421
CI-RC2-950-37	37	114.1	20,772	32,705	134.0	40.424	1.2421
CI-RC2-950-38	38	117.1	21,333	33,589	137.6	41.517	1.2421
CI-RC2-950-39	39	120.2	21,895	34,473	141.2	42.609	1.2421
CI-RC2-950-40	40	123.2	22,456	35,357	144.8	43.702	1.2421

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 $\varphi = Km \times \Delta T^{n}$ (ΔT = mean water − room, °C); BTU/h rounded to whole numbers, EDR to one decimal place.