

Castrads®

Declaration of Performance

No. 202009-1138-US

Rococo III 38in

Unique product code:	CI-RC3-970
Type, batch or serial number:	CI-RC3-970
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. 202009-1138-US: Dimensions and thermal outputs

Panel dimensions: 38.2 in (970 mm) high when floor standing, 10.1 in (256 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-RC3-970-03	3	10.3	2,069	3,218	13.2	4.600	1.2091
CI-RC3-970-04	4	13.3	2,758	4,291	17.6	6.133	1.2091
CI-RC3-970-05	5	16.3	3,448	5,364	22.0	7.667	1.2091
CI-RC3-970-06	6	19.4	4,138	6,437	26.4	9.200	1.2091
CI-RC3-970-07	7	22.4	4,827	7,509	30.8	10.733	1.2091
CI-RC3-970-08	8	25.4	5,517	8,582	35.2	12.266	1.2091
CI-RC3-970-09	9	28.5	6,206	9,655	39.6	13.800	1.2091
CI-RC3-970-10	10	31.5	6,896	10,728	44.0	15.333	1.2091
CI-RC3-970-11	11	34.5	7,586	11,800	48.4	16.866	1.2091
CI-RC3-970-12	12	37.6	8,275	12,873	52.8	18.400	1.2091
CI-RC3-970-13	13	40.6	8,965	13,946	57.2	19.933	1.2091
CI-RC3-970-14	14	43.6	9,655	15,019	61.6	21.466	1.2091
CI-RC3-970-15	15	46.7	10,344	16,092	65.9	23.000	1.2091
CI-RC3-970-16	16	49.7	11,034	17,164	70.3	24.533	1.2091
CI-RC3-970-17	17	52.7	11,723	18,237	74.7	26.066	1.2091
CI-RC3-970-18	18	55.7	12,413	19,310	79.1	27.599	1.2091
CI-RC3-970-19	19	58.8	13,103	20,383	83.5	29.133	1.2091
CI-RC3-970-20	20	61.8	13,792	21,455	87.9	30.666	1.2091
CI-RC3-970-21	21	64.8	14,482	22,528	92.3	32.199	1.2091
CI-RC3-970-22	22	67.9	15,171	23,601	96.7	33.733	1.2091
CI-RC3-970-23	23	70.9	15,861	24,674	101.1	35.266	1.2091
CI-RC3-970-24	24	73.9	16,551	25,747	105.5	36.799	1.2091
CI-RC3-970-25	25	77	17,240	26,819	109.9	38.333	1.2091
CI-RC3-970-26	26	80	17,930	27,892	114.3	39.866	1.2091
CI-RC3-970-27	27	83	18,619	28,965	118.7	41.399	1.2091
CI-RC3-970-28	28	86.1	19,309	30,038	123.1	42.932	1.2091
CI-RC3-970-29	29	89.1	19,999	31,110	127.5	44.466	1.2091
CI-RC3-970-30	30	92.1	20,688	32,183	131.9	45.999	1.2091
CI-RC3-970-31	31	95.2	21,378	33,256	136.3	47.532	1.2091
CI-RC3-970-32	32	98.2	22,067	34,329	140.7	49.066	1.2091
CI-RC3-970-33	33	101.2	22,757	35,401	145.1	50.599	1.2091
CI-RC3-970-34	34	104.3	23,447	36,474	149.5	52.132	1.2091
CI-RC3-970-35	35	107.3	24,136	37,547	153.9	53.666	1.2091
CI-RC3-970-36	36	110.3	24,826	38,620	158.3	55.199	1.2091
CI-RC3-970-37	37	113.3	25,516	39,693	162.7	56.732	1.2091
CI-RC3-970-38	38	116.4	26,205	40,765	167.1	58.265	1.2091
CI-RC3-970-39	39	119.4	26,895	41,838	171.5	59.799	1.2091
CI-RC3-970-40	40	122.4	27,584	42,911	175.9	61.332	1.2091

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.