

Castrads®

Declaration of Performance

No. 202009-1136-US

Rococo III 19in

Unique product code:	CI-RC3-470
Type, batch or serial number:	CI-RC3-470
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
28th September 2026





Appendix to DoP No. 202009-1136-US: Dimensions and thermal outputs

Panel dimensions: 18.5 in (470 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-RC3-470-03	3	10.4	990	1,535	6.3	2.286	1.1997
CI-RC3-470-04	4	13.5	1,320	2,046	8.4	3.048	1.1997
CI-RC3-470-05	5	16.5	1,650	2,558	10.5	3.811	1.1997
CI-RC3-470-06	6	19.6	1,980	3,070	12.6	4.573	1.1997
CI-RC3-470-07	7	22.7	2,310	3,581	14.7	5.335	1.1997
CI-RC3-470-08	8	25.7	2,640	4,093	16.8	6.097	1.1997
CI-RC3-470-09	9	28.8	2,970	4,604	18.9	6.859	1.1997
CI-RC3-470-10	10	31.9	3,300	5,116	21.0	7.621	1.1997
CI-RC3-470-11	11	35	3,630	5,628	23.1	8.383	1.1997
CI-RC3-470-12	12	38	3,960	6,139	25.2	9.145	1.1997
CI-RC3-470-13	13	41.1	4,290	6,651	27.3	9.907	1.1997
CI-RC3-470-14	14	44.2	4,620	7,162	29.4	10.670	1.1997
CI-RC3-470-15	15	47.2	4,950	7,674	31.5	11.432	1.1997
CI-RC3-470-16	16	50.3	5,280	8,185	33.6	12.194	1.1997
CI-RC3-470-17	17	53.4	5,610	8,697	35.6	12.956	1.1997
CI-RC3-470-18	18	56.5	5,940	9,209	37.7	13.718	1.1997
CI-RC3-470-19	19	59.5	6,270	9,720	39.8	14.480	1.1997
CI-RC3-470-20	20	62.6	6,600	10,232	41.9	15.242	1.1997
CI-RC3-470-21	21	65.7	6,930	10,743	44.0	16.004	1.1997
CI-RC3-470-22	22	68.7	7,260	11,255	46.1	16.766	1.1997
CI-RC3-470-23	23	71.8	7,590	11,767	48.2	17.529	1.1997
CI-RC3-470-24	24	74.9	7,920	12,278	50.3	18.291	1.1997
CI-RC3-470-25	25	78	8,250	12,790	52.4	19.053	1.1997
CI-RC3-470-26	26	81	8,580	13,301	54.5	19.815	1.1997
CI-RC3-470-27	27	84.1	8,910	13,813	56.6	20.577	1.1997
CI-RC3-470-28	28	87.2	9,240	14,325	58.7	21.339	1.1997
CI-RC3-470-29	29	90.2	9,570	14,836	60.8	22.101	1.1997
CI-RC3-470-30	30	93.3	9,900	15,348	62.9	22.863	1.1997
CI-RC3-470-31	31	96.4	10,230	15,859	65.0	23.625	1.1997
CI-RC3-470-32	32	99.4	10,560	16,371	67.1	24.388	1.1997
CI-RC3-470-33	33	102.5	10,890	16,883	69.2	25.150	1.1997
CI-RC3-470-34	34	105.6	11,220	17,394	71.3	25.912	1.1997
CI-RC3-470-35	35	108.7	11,550	17,906	73.4	26.674	1.1997
CI-RC3-470-36	36	111.7	11,880	18,417	75.5	27.436	1.1997
CI-RC3-470-37	37	114.8	12,210	18,929	77.6	28.198	1.1997
CI-RC3-470-38	38	117.9	12,540	19,441	79.7	28.960	1.1997
CI-RC3-470-39	39	120.9	12,870	19,952	81.8	29.722	1.1997
CI-RC3-470-40	40	124	13,200	20,464	83.9	30.484	1.1997

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.