

Castrads®

Declaration of Performance

No. 202009-1137-US

Rococo III 30in

Unique product code:	CI-RC3-768
Type, batch or serial number:	CI-RC3-768
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. 202009-1137-US: Dimensions and thermal outputs

Panel dimensions: 30.2 in (768 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-RC3-768-03	3	10.2	1,673	2,650	10.9	3.042	1.2589
CI-RC3-768-04	4	13.2	2,231	3,534	14.5	4.056	1.2589
CI-RC3-768-05	5	16.3	2,788	4,417	18.1	5.071	1.2589
CI-RC3-768-06	6	19.3	3,346	5,301	21.7	6.085	1.2589
CI-RC3-768-07	7	22.3	3,904	6,184	25.3	7.099	1.2589
CI-RC3-768-08	8	25.3	4,461	7,068	28.9	8.113	1.2589
CI-RC3-768-09	9	28.3	5,019	7,951	32.6	9.127	1.2589
CI-RC3-768-10	10	31.3	5,577	8,834	36.2	10.141	1.2589
CI-RC3-768-11	11	34.3	6,134	9,718	39.8	11.155	1.2589
CI-RC3-768-12	12	37.3	6,692	10,601	43.4	12.169	1.2589
CI-RC3-768-13	13	40.4	7,250	11,485	47.0	13.183	1.2589
CI-RC3-768-14	14	43.3	7,807	12,368	50.7	14.197	1.2589
CI-RC3-768-15	15	46.4	8,365	13,252	54.3	15.212	1.2589
CI-RC3-768-16	16	49.4	8,923	14,135	57.9	16.226	1.2589
CI-RC3-768-17	17	52.4	9,480	15,019	61.5	17.240	1.2589
CI-RC3-768-18	18	55.4	10,038	15,902	65.1	18.254	1.2589
CI-RC3-768-19	19	58.4	10,596	16,786	68.7	19.268	1.2589
CI-RC3-768-20	20	61.4	11,153	17,669	72.4	20.282	1.2589
CI-RC3-768-21	21	64.4	11,711	18,552	76.0	21.296	1.2589
CI-RC3-768-22	22	67.4	12,269	19,436	79.6	22.310	1.2589
CI-RC3-768-23	23	70.5	12,826	20,319	83.2	23.324	1.2589
CI-RC3-768-24	24	73.5	13,384	21,203	86.8	24.338	1.2589
CI-RC3-768-25	25	76.5	13,942	22,086	90.5	25.353	1.2589
CI-RC3-768-26	26	79.5	14,499	22,970	94.1	26.367	1.2589
CI-RC3-768-27	27	82.5	15,057	23,853	97.7	27.381	1.2589
CI-RC3-768-28	28	85.5	15,615	24,737	101.3	28.395	1.2589
CI-RC3-768-29	29	88.5	16,172	25,620	104.9	29.409	1.2589
CI-RC3-768-30	30	91.5	16,730	26,503	108.5	30.423	1.2589
CI-RC3-768-31	31	94.6	17,288	27,387	112.2	31.437	1.2589
CI-RC3-768-32	32	97.6	17,845	28,270	115.8	32.451	1.2589
CI-RC3-768-33	33	100.6	18,403	29,154	119.4	33.465	1.2589
CI-RC3-768-34	34	103.6	18,961	30,037	123.0	34.479	1.2589
CI-RC3-768-35	35	106.6	19,518	30,921	126.6	35.494	1.2589
CI-RC3-768-36	36	109.6	20,076	31,804	130.3	36.508	1.2589
CI-RC3-768-37	37	112.6	20,634	32,688	133.9	37.522	1.2589
CI-RC3-768-38	38	115.6	21,191	33,571	137.5	38.536	1.2589
CI-RC3-768-39	39	118.7	21,749	34,454	141.1	39.550	1.2589
CI-RC3-768-40	40	121.7	22,307	35,338	144.7	40.564	1.2589

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.