

Castrads®

Declaration of Performance

No. 202009-1130-US

Rococo I 26in

Unique product code:	CI-RC1-660
Type, batch or serial number:	CI-RC1-660
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. 202009-1130-US: Dimensions and thermal outputs

Panel dimensions: 26 in (660 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-RC1-660-03	3	10.1	825	1,304	5.3	1.549	1.2511
CI-RC1-660-04	4	13.1	1,101	1,738	7.1	2.065	1.2511
CI-RC1-660-05	5	16.1	1,376	2,173	8.9	2.582	1.2511
CI-RC1-660-06	6	19.1	1,651	2,608	10.7	3.098	1.2511
CI-RC1-660-07	7	22	1,926	3,042	12.5	3.614	1.2511
CI-RC1-660-08	8	25	2,201	3,477	14.2	4.131	1.2511
CI-RC1-660-09	9	28	2,476	3,912	16.0	4.647	1.2511
CI-RC1-660-10	10	30.9	2,751	4,346	17.8	5.163	1.2511
CI-RC1-660-11	11	33.9	3,026	4,781	19.6	5.680	1.2511
CI-RC1-660-12	12	36.9	3,302	5,215	21.4	6.196	1.2511
CI-RC1-660-13	13	39.9	3,577	5,650	23.1	6.712	1.2511
CI-RC1-660-14	14	42.8	3,852	6,085	24.9	7.228	1.2511
CI-RC1-660-15	15	45.8	4,127	6,519	26.7	7.745	1.2511
CI-RC1-660-16	16	48.8	4,402	6,954	28.5	8.261	1.2511
CI-RC1-660-17	17	51.8	4,677	7,388	30.3	8.777	1.2511
CI-RC1-660-18	18	54.8	4,952	7,823	32.0	9.294	1.2511
CI-RC1-660-19	19	57.7	5,227	8,258	33.8	9.810	1.2511
CI-RC1-660-20	20	60.7	5,503	8,692	35.6	10.326	1.2511
CI-RC1-660-21	21	63.7	5,778	9,127	37.4	10.843	1.2511
CI-RC1-660-22	22	66.7	6,053	9,562	39.2	11.359	1.2511
CI-RC1-660-23	23	69.6	6,328	9,996	40.9	11.875	1.2511
CI-RC1-660-24	24	72.6	6,603	10,431	42.7	12.392	1.2511
CI-RC1-660-25	25	75.6	6,878	10,865	44.5	12.908	1.2511
CI-RC1-660-26	26	78.6	7,153	11,300	46.3	13.424	1.2511
CI-RC1-660-27	27	81.5	7,428	11,735	48.1	13.941	1.2511
CI-RC1-660-28	28	84.5	7,704	12,169	49.8	14.457	1.2511
CI-RC1-660-29	29	87.5	7,979	12,604	51.6	14.973	1.2511
CI-RC1-660-30	30	90.5	8,254	13,038	53.4	15.490	1.2511
CI-RC1-660-31	31	93.5	8,529	13,473	55.2	16.006	1.2511
CI-RC1-660-32	32	96.4	8,804	13,908	57.0	16.522	1.2511
CI-RC1-660-33	33	99.4	9,079	14,342	58.7	17.039	1.2511
CI-RC1-660-34	34	102.4	9,354	14,777	60.5	17.555	1.2511
CI-RC1-660-35	35	105.4	9,629	15,212	62.3	18.071	1.2511
CI-RC1-660-36	36	108.3	9,905	15,646	64.1	18.588	1.2511
CI-RC1-660-37	37	111.3	10,180	16,081	65.9	19.104	1.2511
CI-RC1-660-38	38	114.3	10,455	16,515	67.6	19.620	1.2511
CI-RC1-660-39	39	117.2	10,730	16,950	69.4	20.136	1.2511
CI-RC1-660-40	40	120.2	11,005	17,385	71.2	20.653	1.2511

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.