

Castrads®

Declaration of Performance

No. 202009-1133-US

Rococo II 26in

Unique product code:	CI-RC2-660
Type, batch or serial number:	CI-RC2-660
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. 202009-1133-US: Dimensions and thermal outputs

Panel dimensions: 26 in (660 mm) high when floor standing, 8.1 in (207 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-RC2-660-03	3	10.3	1,198	1,905	7.8	2.093	1.2688
CI-RC2-660-04	4	13.3	1,597	2,540	10.4	2.791	1.2688
CI-RC2-660-05	5	16.3	1,997	3,174	13.0	3.489	1.2688
CI-RC2-660-06	6	19.4	2,396	3,809	15.6	4.186	1.2688
CI-RC2-660-07	7	22.4	2,795	4,444	18.2	4.884	1.2688
CI-RC2-660-08	8	25.4	3,195	5,079	20.8	5.582	1.2688
CI-RC2-660-09	9	28.5	3,594	5,714	23.4	6.279	1.2688
CI-RC2-660-10	10	31.5	3,993	6,349	26.0	6.977	1.2688
CI-RC2-660-11	11	34.5	4,392	6,984	28.6	7.675	1.2688
CI-RC2-660-12	12	37.6	4,792	7,619	31.2	8.372	1.2688
CI-RC2-660-13	13	40.6	5,191	8,254	33.8	9.070	1.2688
CI-RC2-660-14	14	43.6	5,590	8,888	36.4	9.768	1.2688
CI-RC2-660-15	15	46.7	5,990	9,523	39.0	10.466	1.2688
CI-RC2-660-16	16	49.7	6,389	10,158	41.6	11.163	1.2688
CI-RC2-660-17	17	52.7	6,788	10,793	44.2	11.861	1.2688
CI-RC2-660-18	18	55.7	7,188	11,428	46.8	12.559	1.2688
CI-RC2-660-19	19	58.8	7,587	12,063	49.4	13.256	1.2688
CI-RC2-660-20	20	61.8	7,986	12,698	52.0	13.954	1.2688
CI-RC2-660-21	21	64.8	8,386	13,333	54.6	14.652	1.2688
CI-RC2-660-22	22	67.9	8,785	13,968	57.2	15.349	1.2688
CI-RC2-660-23	23	70.9	9,184	14,602	59.8	16.047	1.2688
CI-RC2-660-24	24	73.9	9,584	15,237	62.4	16.745	1.2688
CI-RC2-660-25	25	77	9,983	15,872	65.0	17.443	1.2688
CI-RC2-660-26	26	80	10,382	16,507	67.6	18.140	1.2688
CI-RC2-660-27	27	83	10,782	17,142	70.2	18.838	1.2688
CI-RC2-660-28	28	86.1	11,181	17,777	72.8	19.536	1.2688
CI-RC2-660-29	29	89.1	11,580	18,412	75.4	20.233	1.2688
CI-RC2-660-30	30	92.1	11,980	19,047	78.0	20.931	1.2688
CI-RC2-660-31	31	95.2	12,379	19,682	80.6	21.629	1.2688
CI-RC2-660-32	32	98.2	12,778	20,316	83.2	22.326	1.2688
CI-RC2-660-33	33	101.2	13,177	20,951	85.8	23.024	1.2688
CI-RC2-660-34	34	104.3	13,577	21,586	88.4	23.722	1.2688
CI-RC2-660-35	35	107.3	13,976	22,221	91.0	24.420	1.2688
CI-RC2-660-36	36	110.3	14,375	22,856	93.6	25.117	1.2688
CI-RC2-660-37	37	113.3	14,775	23,491	96.2	25.815	1.2688
CI-RC2-660-38	38	116.4	15,174	24,126	98.8	26.513	1.2688
CI-RC2-660-39	39	119.4	15,573	24,761	101.4	27.210	1.2688
CI-RC2-660-40	40	122.4	15,973	25,396	104.0	27.908	1.2688

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.