Declaration of Performance

No. 202009-1134-US

Rococo II 30in

Unique product code:	CI-RC2-760
Type, batch or serial number:	CI-RC2-760
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:	59847

Declared performance

Essential characteristics	Performance	Reference standard
Reaction to fire	A1 — non-combustible	EN 442-1:2014
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	
Rated thermal outputs	See appendix 1	
Thermal output in different operating conditions (characteristic curve)	$\varphi = Km \cdot \Delta T^{n}$. See appendix for factor Km 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

Castrads®

Appendix to DoP No. 202009-1134-US: Dimensions and thermal outputs

Panel dimensions: 29.9 in (760 mm) high when floor standing, 8.5 in (215 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-RC2-760-03	3	10.4	1,375	2,173	8.9	2.583	1.2509
CI-RC2-760-04	4	13.5	1,834	2,897	11.9	3.445	1.2509
CI-RC2-760-05	5	16.5	2,292	3,621	14.8	4.306	1.2509
CI-RC2-760-06	6	19.6	2,751	4,345	17.8	5.167	1.2509
CI-RC2-760-07	7	22.6	3,209	5,070	20.8	6.028	1.2509
CI-RC2-760-08	8	25.7	3,668	5,794	23.7	6.889	1.2509
CI-RC2-760-09	9	28.8	4,126	6,518	26.7	7.750	1.2509
CI-RC2-760-10	10	31.9	4,585	7,242	29.7	8.611	1.2509
CI-RC2-760-11	11	34.9	5,043	7,966	32.6	9.472	1.2509
CI-RC2-760-12	12	38	5,502	8,691	35.6	10.334	1.2509
CI-RC2-760-13	13	41.1	5,960	9,415	38.6	11.195	1.2509
CI-RC2-760-14	14	44.1	6,419	10,139	41.5	12.056	1.2509
CI-RC2-760-15	15	47.2	6,877	10,863	44.5	12.917	1.2509
CI-RC2-760-16	16	50.2	7,336	11,588	47.5	13.778	1.2509
CI-RC2-760-17	17	53.3	7,794	12,312	50.4	14.639	1.2509
CI-RC2-760-18	18	56.4	8,253	13,036	53.4	15.500	1.2509
CI-RC2-760-19	19	59.4	8,711	13,760	56.4	16.361	1.2509
CI-RC2-760-20	20	62.5	9,170	14,484	59.3	17.223	1.2509
CI-RC2-760-21	21	65.6	9,628	15,209	62.3	18.084	1.2509
CI-RC2-760-22	22	68.7	10,087	15,933	65.3	18.945	1.2509
CI-RC2-760-23	23	71.7	10,545	16,657	68.2	19.806	1.2509
CI-RC2-760-24	24	74.8	11,004	17,381	71.2	20.667	1.2509
CI-RC2-760-25	25	77.9	11,462	18,106	74.2	21.528	1.2509
CI-RC2-760-26	26	80.9	11,921	18,830	77.1	22.389	1.2509
CI-RC2-760-27	27	84	12,379	19,554	80.1	23.251	1.2509
CI-RC2-760-28	28	87	12,838	20,278	83.1	24.112	1.2509
CI-RC2-760-29	29	90.1	13,296	21,002	86.0	24.973	1.2509
CI-RC2-760-30	30	93.2	13,755	21,727	89.0	25.834	1.2509
CI-RC2-760-31	31	96.3	14,213	22,451	92.0	26.695	1.2509
CI-RC2-760-32	32	99.3	14,672	23,175	94.9	27.556	1.2509
CI-RC2-760-33	33	102.4	15,130	23,899	97.9	28.417	1.2509
CI-RC2-760-34	34	105.5	15,589	24,624	100.9	29.278	1.2509
CI-RC2-760-35	35	108.5	16,047	25,348	103.8	30.140	1.2509
CI-RC2-760-36	36	111.6	16,506	26,072	106.8	31.001	1.2509
CI-RC2-760-37	37	114.6	16,964	26,796	109.8	31.862	1.2509
CI-RC2-760-38	38	117.7	17,423	27,520	112.7	32.723	1.2509
CI-RC2-760-39	39	120.8	17,881	28,245	115.7	33.584	1.2509
CI-RC2-760-40	40	123.9	18,340	28,969	118.7	34.445	1.2509

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 $\varphi = Km \times \Delta T^{n}$ (ΔT = mean water − room, °C); BTU/h rounded to whole numbers, EDR to one decimal place.