



Declaration of Performance

No. 202009-1138

Rococo III 970mm

Unique product code:	CI-RC3-970
Type, batch or serial number:	CI-RC3-970
Intended use of the construction product:	In heating systems in buildings
Manufacturer:	Castrads Limited 1 Kenwood Road Stockport SK5 6PH United Kingdom
System of AVCP:	System 3
Harmonized standard:	EN 442-1:2014
Notified body:	BSRIA Limited Old Bracknell Lane West Bracknell Berkshire RG12 7AH United Kingdom
Test report number:	101885/2

Declared performance

Essential characteristics	Performance	Harmonized technical specification
Reaction to fire	A1	EN 442-1:2014
Release of dangerous substances	None	
Pressure tightness	No leakage at 1.3 × maximum operating pressure [kPa]	
Surface temperature	Maximum 120 °C	
Resistance to pressure	No breakage at 1.69 × maximum operating pressure [kPa]	
Resistance to pressure	Maximum operating pressure: 1000 [kPa]	
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	

Appendix: Dimensions and thermal outputs

Panel dimensions: 965mm h, 248.3mm d for all numbers of sections. See table for length.

SKU	Number of sections	Length, mm	Output, W $\Delta T50$	Output, W $\Delta T30$	Factor, Km	Exponent, n
CI-RC3-970/03	3	260	521	281	4.600	1.20910
CI-RC3-970/04	4	336	695	375	6.133	1.20910
CI-RC3-970/05	5	413	869	469	7.667	1.20910
CI-RC3-970/06	6	489	1043	562	9.200	1.20910
CI-RC3-970/07	7	566	1217	656	10.733	1.20910
CI-RC3-970/08	8	642	1390	750	12.266	1.20910
CI-RC3-970/09	9	719	1564	843	13.800	1.20910
CI-RC3-970/10	10	795	1738	937	15.333	1.20910
CI-RC3-970/11	11	872	1912	1031	16.866	1.20910
CI-RC3-970/12	12	948	2086	1124	18.400	1.20910
CI-RC3-970/13	13	1025	2259	1218	19.933	1.20910
CI-RC3-970/14	14	1101	2433	1312	21.466	1.20910
CI-RC3-970/15	15	1178	2607	1406	23.000	1.20910
CI-RC3-970/16	16	1254	2781	1499	24.533	1.20910
CI-RC3-970/17	17	1331	2955	1593	26.066	1.20910
CI-RC3-970/18	18	1407	3128	1687	27.599	1.20910
CI-RC3-970/19	19	1484	3302	1780	29.133	1.20910
CI-RC3-970/20	20	1560	3476	1874	30.666	1.20910
CI-RC3-970/21	21	1637	3650	1968	32.199	1.20910
CI-RC3-970/22	22	1713	3824	2061	33.733	1.20910
CI-RC3-970/23	23	1790	3997	2155	35.266	1.20910
CI-RC3-970/24	24	1866	4171	2249	36.799	1.20910
CI-RC3-970/25	25	1943	4345	2343	38.333	1.20910
CI-RC3-970/26	26	2019	4519	2436	39.866	1.20910
CI-RC3-970/27	27	2096	4693	2530	41.399	1.20910
CI-RC3-970/28	28	2172	4866	2624	42.932	1.20910
CI-RC3-970/29	29	2249	5040	2717	44.466	1.20910
CI-RC3-970/30	30	2325	5214	2811	45.999	1.20910
CI-RC3-970/31	31	2402	5388	2905	47.532	1.20910
CI-RC3-970/32	32	2478	5562	2998	49.066	1.20910
CI-RC3-970/33	33	2555	5735	3092	50.599	1.20910
CI-RC3-970/34	34	2631	5909	3186	52.132	1.20910
CI-RC3-970/35	35	2708	6083	3280	53.666	1.20910
CI-RC3-970/36	36	2784	6257	3373	55.199	1.20910
CI-RC3-970/37	37	2861	6431	3467	56.732	1.20910
CI-RC3-970/38	38	2937	6604	3561	58.265	1.20910
CI-RC3-970/39	39	3014	6778	3654	59.799	1.20910
CI-RC3-970/40	40	3090	6952	3748	61.332	1.20910

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