



Declaration of Performance

No. 202009-1130

Rococo I 660mm

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 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: 660mm h, 138mm 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-RC1-660/03	3	257	207	109	1.549	1.25110
CI-RC1-660/04	4	333	276	146	2.065	1.25110
CI-RC1-660/05	5	409	345	182	2.582	1.25110
CI-RC1-660/06	6	484	414	218	3.098	1.25110
CI-RC1-660/07	7	560	483	255	3.614	1.25110
CI-RC1-660/08	8	636	552	291	4.131	1.25110
CI-RC1-660/09	9	711	621	328	4.647	1.25110
CI-RC1-660/10	10	787	690	364	5.163	1.25110
CI-RC1-660/11	11	863	759	400	5.680	1.25110
CI-RC1-660/12	12	938	828	437	6.196	1.25110
CI-RC1-660/13	13	1014	897	473	6.712	1.25110
CI-RC1-660/14	14	1090	966	510	7.228	1.25110
CI-RC1-660/15	15	1166	1035	546	7.745	1.25110
CI-RC1-660/16	16	1241	1104	582	8.261	1.25110
CI-RC1-660/17	17	1317	1173	619	8.777	1.25110
CI-RC1-660/18	18	1393	1242	655	9.294	1.25110
CI-RC1-660/19	19	1468	1311	692	9.810	1.25110
CI-RC1-660/20	20	1544	1380	728	10.326	1.25110
CI-RC1-660/21	21	1620	1449	764	10.843	1.25110
CI-RC1-660/22	22	1695	1518	801	11.359	1.25110
CI-RC1-660/23	23	1771	1587	837	11.875	1.25110
CI-RC1-660/24	24	1847	1656	874	12.392	1.25110
CI-RC1-660/25	25	1923	1725	910	12.908	1.25110
CI-RC1-660/26	26	1998	1794	946	13.424	1.25110
CI-RC1-660/27	27	2074	1863	983	13.941	1.25110
CI-RC1-660/28	28	2150	1932	1019	14.457	1.25110
CI-RC1-660/29	29	2225	2001	1056	14.973	1.25110
CI-RC1-660/30	30	2301	2070	1092	15.490	1.25110
CI-RC1-660/31	31	2377	2139	1128	16.006	1.25110
CI-RC1-660/32	32	2452	2208	1165	16.522	1.25110
CI-RC1-660/33	33	2528	2277	1201	17.039	1.25110
CI-RC1-660/34	34	2604	2346	1238	17.555	1.25110
CI-RC1-660/35	35	2680	2415	1274	18.071	1.25110
CI-RC1-660/36	36	2755	2484	1310	18.588	1.25110
CI-RC1-660/37	37	2831	2553	1347	19.104	1.25110
CI-RC1-660/38	38	2907	2622	1383	19.620	1.25110
CI-RC1-660/39	39	2982	2691	1420	20.136	1.25110
CI-RC1-660/40	40	3058	2760	1456	20.653	1.25110

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